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Subject: **First Quarter 2024 Groundwater Sampling Results Summary**
Gowanus Village I Site BCP #C224099/EPA Consent Order #CERCLA-02-2017-2021
322 3rd Avenue (Formerly 153 2nd Street), Brooklyn, New York

The following is a summary of the first quarter 2024 groundwater sampling event completed at the above referenced site located at 322 3rd Avenue (formerly 153 2nd Street) in Brooklyn, New York (Site). The first quarter 2024 groundwater sampling event was completed on March 18 through March 20, 2024. Groundwater sampling activities have been performed in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Site Management Plan (SMP) Revision No. 1, dated July 29, 2020, and the NYSDEC-approved Request for Modifications to the Monitoring and Sampling Plan, submitted on March 28, 2022.

Quarterly Monitoring Well Gauging and Groundwater Sampling

During the first quarter of 2024, all wells were gauged on March 18, 2024, to monitor groundwater elevations and document the thickness of any light non-aqueous phase liquid (LNAPL), if present. Monitoring well locations are shown in Figure 1 and a summary of the second quarter 2023 through the first quarter 2024 monitoring well gauging data is provided in Table 1. No measurable LNAPL has been detected since 2022.

A total of ten monitoring wells: MW-9, MW-10, MW-11, MW-12, MW-13, MW-14, MW-15, MW-16R, MW-17R, and MW-18R were sampled during the first quarter sampling event. One sample was collected from each monitoring well and one duplicate sample was collected from MW-17R for a total of 11 samples. All groundwater samples were analyzed for target compound list (TCL) volatile organic compounds (VOCs), TCL semivolatile organic compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) 8 metals (total and dissolved), polychlorinated biphenyls (PCBs), and total cyanide in accordance with the SMP and the NYSDEC's response to the Request for Modifications to the Monitoring and Sampling Plan. All groundwater samples were collected in appropriate laboratory-provided containers and were transported to TestAmerica Laboratories in Edison, New Jersey, in ice-filled coolers under chain of custody procedures. All groundwater analytical results from the first quarter 2024 sampling event are included in Tables 2 through 5. All exceedances of the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs) in groundwater samples collected during this period are shown in Figure 1.

The results of the first quarter 2024 sampling event are consistent with prior groundwater sampling rounds completed at the Site. A summary of the groundwater analytical results for the first quarter 2024 sampling event is included below:

- VOCs were not detected at MW-11, MW-12, and MW-18R. VOCs were detected at concentrations that exceeded the AWQSGVs in groundwater samples MW-9, MW-10R, MW-13, MW-14, MW-15, MW-16R and MW-17R. VOCs that exceeded the AWQSGVs include

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1,2,4-trichlorobenzene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, benzene, chlorobenzene, chloroform, cis-1,2-dichloroethylene, ethylbenzene, isopropylbenzene, m,p-xlyene, and o-xylene. Generally, VOC concentrations have remained static or decreasing Site-wide in groundwater when compared to the second quarter 2023 through the fourth quarter 2023 sampling results.

- SVOCs were detected at concentrations that exceeded the AWQSGVs in groundwater sample MW-10R and MW-15. SVOCs that exceeded the AWQSGVs at MW-10R include acenaphthene, acenaphthylene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, biphenyl, chrysene, fluorene, indeno(1,2,3-C,D)pyrene, naphthalene and phenanthrene. MW-10R and MW-15 contained generally decreasing SVOC exceedances when compared to the second quarter 2023 through the fourth quarter 2023 sampling results.
- Metals (both total and dissolved) were detected at concentrations that exceeded the AWQSGVs at MW-13. Total and dissolved arsenic was detected at MW-13 at concentrations of 52.1 and 13 ug/L, respectively. Total and dissolved arsenic concentrations have been generally static or decreasing when compared to the second quarter 2023 through the fourth quarter 2023 sampling results. Total and dissolved metals were detected at MW-9, MW-10R, MW-11, MW-12, MW-14, MW-15, MW-16R, MW-17R, and MW-18R, but did not exceed the AWQSGVs.
- PCBs were detected at concentrations that exceeded the AWQSGVs at MW-14, MW-16R, and MW-17R during the first quarter 2024 sampling event. The PCB concentrations at MW-16R and MW-17R have remained at marginal concentrations or non-detectable concentrations when compared to the second quarter 2023 through the fourth quarter 2023 sampling results.

The final laboratory reports containing the analytical data from the first quarter 2024 groundwater sampling event are included as Attachment 1.

Please do not hesitate to contact us if you have any questions or require additional information.

TABLES

1. Summary of Second Quarter 2024 through First Quarter 2024 Monitoring Well Gauging Data
2. Summary of Volatile Organic Compounds in Groundwater
3. Summary of Semivolatile Organic Compounds in Groundwater
4. Summary of Metals in Groundwater
5. Summary of Polychlorinated Biphenyls in Groundwater

Table 1. Summary of Second Quarter 2024 through First Quarter 2024 Monitoring Well Gauging Data

Well ID	Date	Well Elevation (ft)	DTW (ft)	DTP (ft)	DTB (ft)	Corrected Groundwater Elevation	Product Thickness (ft)
MW-9	3/17/2023	18.09	14.74	ND	20.25	3.35	--
MW-9	4/11/2023	18.09	14.57	ND	NM	3.52	--
MW-9	5/16/2023	18.09	14.59	ND	NM	3.50	--
MW-9	5/30/2023	18.09	14.98	ND	NM	3.11	--
MW-9	9/27/2023	18.09	14.38	ND	20.56	3.71	--
MW-9	12/12/2023	18.09	14.41	ND	20.48	3.68	--
MW-9	3/18/2024	18.09	14.86	ND	20.19	3.68	--
MW-10R	3/17/2023	13.30	4.45	ND	20.34	8.85	--
MW-10R	4/11/2023	13.30	4.61	ND	NM	8.69	--
MW-10R	5/16/2023	13.30	4.87	ND	NM	8.43	--
MW-10R	5/30/2023	13.30	4.85	ND	NM	8.45	--
MW-10R	9/28/2023	13.30	4.35	ND	20.30	8.95	--
MW-10R	12/12/2023	13.30	4.59	ND	20.30	8.71	--
MW-10R	3/18/2024	13.30	4.38	ND	20.32	8.92	--
MW-11	3/17/2023	11.88	3.94	ND	13.90	7.94	--
MW-11	4/11/2023	11.88	4.29	ND	NM	7.59	--
MW-11	5/16/2023	11.88	4.69	ND	NM	7.19	--
MW-11	5/30/2023	11.88	4.42	ND	NM	7.46	--
MW-11	9/28/2023	11.88	3.94	ND	13.97	7.94	--
MW-11	12/12/2023	11.88	3.42	ND	13.90	8.46	--
MW-11	3/18/2024	11.88	3.94	ND	13.87	7.94	--
MW-12	3/17/2023	20.50	15.86	ND	22.70	4.64	--
MW-12	4/11/2023	20.50	15.60	ND	NM	4.90	--
MW-12	5/16/2023	20.50	15.60	ND	NM	4.90	--
MW-12	5/30/2023	20.50	15.99	ND	NM	4.51	--
MW-12	9/27/2023	20.50	15.55	ND	22.45	4.95	--
MW-12	12/12/2023	20.50	14.75	ND	22.65	5.75	--
MW-12	3/18/2024	20.50	15.94	ND	23.63	4.56	--
MW-13	3/17/2023	21.50	15.47	ND	24.61	6.03	--
MW-13	4/11/2023	21.50	15.19	ND	NM	6.31	--
MW-13	5/16/2023	21.50	15.39	ND	NM	6.11	--
MW-13	5/30/2023	21.50	15.85	ND	NM	5.65	--
MW-13	9/27/2023	21.50	15.12	ND	24.80	6.38	--
MW-13	12/12/2023	21.50	15.24	ND	25.55	6.26	--
MW-13	3/18/2024	21.50	15.58	ND	24.51	5.92	--
MW-14	3/17/2023	18.77	15.31	ND	28.85	3.46	--
MW-14	4/11/2023	18.77	14.99	ND	NM	3.78	--
MW-14	5/16/2023	18.77	15.11	ND	NM	3.66	--
MW-14	5/30/2023	18.77	15.82	ND	NM	2.95	--
MW-14	9/27/2023	18.77	15.08	ND	29.09	3.69	--
MW-14	12/11/2023	18.77	15.53	ND	24.14	3.24	--
MW-14	3/18/2024	18.77	14.39	ND	24.93	4.38	--
MW-15	3/17/2023	19.34	16.11	ND	21.28	3.23	--
MW-15	4/11/2023	19.34	15.91	ND	NM	3.43	--

Table 1. Summary of Second Quarter 2024 through First Quarter 2024 Monitoring Well Gauging Data

Well ID	Date	Well Elevation (ft)	DTW (ft)	DTP (ft)	DTB (ft)	Corrected Groundwater Elevation	Product Thickness (ft)
MW-15	5/16/2023	19.34	15.77	ND	NM	3.57	--
MW-15	5/30/2023	19.34	15.74	ND	NM	3.60	--
MW-15	9/27/2023	19.34	15.60	ND	21.52	3.74	--
MW-15	12/12/2023	19.34	15.76	ND	21.25	3.58	--
MW-15	3/18/2024	19.34	16.17	ND	21.26	3.17	--
MW-16R	3/17/2023	17.88	14.76	ND	24.66	3.12	--
MW-16R	4/11/2023	17.88	14.69	ND	NM	3.19	--
MW-16R	5/16/2023	17.88	14.90	ND	NM	2.98	--
MW-16R	5/30/2023	17.88	15.85	ND	NM	2.03	--
MW-16R	9/29/2023	17.88	12.47	ND	24.88	5.41	--
MW-16R	12/12/2023	17.88	15.30	ND	24.30	2.58	--
MW-16R	3/18/2024	17.88	14.87	ND	24.65	3.01	--
MW-17R	3/17/2023	16.20	13.12	ND	25.09	3.08	--
MW-17R	4/11/2023	16.20	13.08	ND	NM	3.12	--
MW-17R	5/16/2023	16.20	13.28	ND	NM	2.92	--
MW-17R	5/30/2023	16.20	14.09	ND	NM	2.11	--
MW-17R	9/29/2023	16.20	10.73	ND	25.24	5.47	--
MW-17R	12/11/2023	16.20	13.78	ND	25.13	2.42	--
MW-17R	3/18/2024	16.20	13.24	ND	25.08	2.96	--
MW-18R	3/17/2023	15.44	11.90	ND	25.56	3.54	--
MW-18R	4/11/2023	15.44	11.88	ND	NM	3.56	--
MW-18R	5/16/2023	15.44	12.02	ND	NM	3.42	--
MW-18R	5/30/2023	15.44	12.13	ND	NM	3.31	--
MW-18R	9/28/2023	15.44	11.83	ND	24.86	3.61	--
MW-18R	12/11/2023	15.44	11.42	ND	24.55	4.02	--
MW-18R	3/18/2024	15.44	11.98	ND	24.55	3.46	--

Notes:

DTW - Depth to Water

DTP - Depth to Product

DTB - Depth to Bottom

ND - No Detection

Notes Utilized Throughout Tables	
Groundwater Tables	
J -	Estimated Value
U -	Compound was analyzed for but not detected
T -	Indicates that a quality control parameter has exceeded laboratory limits
FD -	Duplicate
NA -	Compound was not analyzed for by laboratory
µg/L -	Micrograms per liter
NYSDEC -	New York State Department of Environmental Conservation
AWQSGVs -	Ambient Water-Quality Standards and Guidance Values
--	No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs	

Table 2. Summary of Volatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

			Sample Designation:	MW-9	MW-10R	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16R
			Sample Date:	03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/20/2024	03/19/2024	03/20/2024	03/18/2024
			Normal or Field Duplicate:	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units									
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1,2-Trichloroethane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2,3-Trichlorobenzene	5	UG/L	0.8 J	1 U	1 U	1 U	1 U	1 U	0.42 J	2 U
1,2,4-Trichlorobenzene	5	UG/L	3.5	1 U	1 U	1 U	1 U	1 U	1.6	2 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichlorobenzene	3	UG/L	1.4	1 U	1 U	1 U	1 U	1 U	1.6	2 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
1,3-Dichlorobenzene	**3**	UG/L	**26**	1 U	1 U	1 U	0.45 J	1 U	**29**	**10**
1,4-Dichlorobenzene	**3**	UG/L	**90**	1 U	1 U	1 U	0.77 J	0.33 J	**110**	**290**
1,4-Dioxane (P-Dioxane)	0.35	UG/L	50 U	50 U	50 U	50 UT	50 UT	50 U	50 UT	100 UT
2-Hexanone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Benzene	**1**	UG/L	**4.4**	**3.4**	1 U	1 U	1 U	1 U	**4.9**	**11**
Bromochloromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Bromodichloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Bromoform	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Bromomethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Carbon Disulfide	60	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chlorobenzene	**5**	UG/L	**360**	1 U	1 U	1 U	**11**	1.7	**390**	**760**
Chloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chloroform	7	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Chloromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U	1 U	1 U	0.72 J	0.86 J	0.74 J	2 U
Cis-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Cyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Dibromochloromethane	50	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-9	MW-10R	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16R
	Sample Date:		03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/20/2024	03/19/2024	03/20/2024	03/18/2024
	Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units								
Ethylbenzene	**5**	UG/L	1 U	**6.3**	1 U	1 U	1 U	1 U	0.7 J	2 U
Isopropylbenzene (Cumene)	**5**	UG/L	1 U	**6.1**	1 U	1 U	1 U	1 U	0.37 J	2 U
m,p-Xylene	5	UG/L	1 U	3.3	1 U	1 U	1 U	1 U	0.59 J	2 U
Methyl Acetate	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U	5 U	5 U	5 U	5 U	10 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	1 U	**5.4**	1 U	1 U	1 U	1 U	1 U	2 U
Styrene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	0.34 J	1 U	1 U	1 U	1 U	1 U	2 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	0.69 J	1.7	2 U
Toluene	5	UG/L	1 U	1.1	1 U	1 U	1 U	1 U	0.54 J	2 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	0.28 J	2 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Trichloroethylene (TCE)	5	UG/L	1 U	1 U	1 U	1 U	1 U	0.8 J	1.9	2 U
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U	0.57 J	0.36 J	2 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-17R	MW-17R	MW-18R
	Sample Date:		03/18/2024	03/18/2024	03/20/2024
	Normal or Field Duplicate:		N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units			
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	UG/L	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	UG/L	1 U	1 U	1 U
1,1,2-Trichloroethane	1	UG/L	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	UG/L	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	UG/L	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	UG/L	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	UG/L	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	0.29 J	0.3 J	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	1 U	1 U
1,2-Dichloropropane	1	UG/L	1 U	1 U	1 U
1,3-Dichlorobenzene	**3**	UG/L	**5.2**	**5**	1 U
1,4-Dichlorobenzene	**3**	UG/L	**12**	**12**	1 U
1,4-Dioxane (P-Dioxane)	0.35	UG/L	50 UT	50 UT	50 UT
2-Hexanone	50	UG/L	5 U	5 U	5 U
Acetone	50	UG/L	5 U	5 U	5 U
Benzene	**1**	UG/L	**1.4**	**1.6**	0.4 J
Bromochloromethane	5	UG/L	1 U	1 U	1 U
Bromodichloromethane	50	UG/L	0.38 J	0.38 J	1 U
Bromoform	50	UG/L	1 U	1 U	1 U
Bromomethane	5	UG/L	1 U	1 U	1 U
Carbon Disulfide	60	UG/L	1 U	1 U	1 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U
Chlorobenzene	**5**	UG/L	**41**	**43**	1 U
Chloroethane	5	UG/L	1 U	1 U	1 U
Chloroform	7	UG/L	5.3	5.3	1 U
Chloromethane	5	UG/L	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	0.26 J	0.31 J	0.23 J
Cis-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U
Cyclohexane	--	UG/L	1 U	1 U	1 U
Dibromochloromethane	50	UG/L	1 U	1 U	1 U
Dichlorodifluoromethane	5	UG/L	1 U	1 U	1 U

Table 2. Summary of Volatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-17R	MW-17R	MW-18R
	Sample Date:		03/18/2024	03/18/2024	03/20/2024
	Normal or Field Duplicate:		N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units			
Ethylbenzene	**5**	UG/L	1 U	1 U	1 U
Isopropylbenzene (Cumene)	**5**	UG/L	1 U	1 U	1 U
m,p-Xylene	5	UG/L	1 U	1 U	1 U
Methyl Acetate	--	UG/L	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	--	UG/L	5 U	5 U	5 U
Methylcyclohexane	--	UG/L	1 U	1 U	1 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	**5**	UG/L	1 U	1 U	1 U
Styrene	5	UG/L	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	0.6 J	0.8 J	0.35 J
Tetrachloroethylene (PCE)	5	UG/L	1 U	1 U	1 U
Toluene	5	UG/L	1 U	0.41 J	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U
Trans-1,3-Dichloropropene	--	UG/L	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	1 U	1 U
Trichlorofluoromethane	5	UG/L	1 U	1 U	1 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U

Table 3. Summary of Semivolatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-9	MW-10R	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16R
	Sample Date:		03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/20/2024	03/19/2024	03/20/2024	03/18/2024
	Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units								
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	1.2 J
2,4-Dimethylphenol	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	UG/L	40 U	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	9.4 J
2-Methylnaphthalene	--	UG/L	10 U	47	10 U	10 U	10 U	10 U	3.3 J	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	0.78 J	10 U
2-Nitroaniline	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	2 J	10 U
4-Nitroaniline	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	--	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	**20**	UG/L	3.3 J	**310**	10 U	10 U	10 U	10 U	5.1 J	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	11	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	7.5	UG/L	2 UT	2 UT	2 UT	2 U	2 U	2 UT	2 U	2 U
Benzaldehyde	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(A)Anthracene	**0.002**	UG/L	1 U	**1.3**	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	**0**	UG/L	1 U	**0.87 J**	1 U	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	**0.002**	UG/L	2 U	**0.82 J**	2 U	2 U	2 U	2 U	2 U	2 U

Table 3. Summary of Semivolatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-9	MW-10R	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16R
	Sample Date:		03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/20/2024	03/19/2024	03/20/2024	03/18/2024
	Normal or Field Duplicate:		N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units								
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	**5**	UG/L	10 U	**18**	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Caprolactam	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	2.8 J	10 U	10 U	10 U	10 U	1.8 J	10 U
Chrysene	**0.002**	UG/L	2 U	**1 J**	2 U	2 U	2 U	2 U	2 U	2 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	2.1 J	10 U	10 U	10 U	10 U	1.8 J	10 U
Diethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	16	10 U	10 U	10 U	10 U	0.88 J	10 U
Fluorene	**50**	UG/L	10 U	**140**	10 U	10 U	10 U	10 U	2.5 J	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	**10**	UG/L	1.5 J	**680**	2 U	2 U	2 U	2 U	**26**	8
Nitrobenzene	0.4	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	20 U	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Phenanthrene	**50**	UG/L	10 U	**140**	10 U	10 U	10 U	10 U	4.7 J	10 U
Phenol	1	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	22	10 U	10 U	10 U	10 U	10 U	10 U

Table 3. Summary of Semivolatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-17R	MW-17R	MW-18R
	Sample Date:		03/18/2024	03/18/2024	03/20/2024
	Normal or Field Duplicate:		N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units			
1,2,4,5-Tetrachlorobenzene	5	UG/L	10 U	10 U	10 U
2,3,4,6-Tetrachlorophenol	--	UG/L	10 U	10 U	10 U
2,4,5-Trichlorophenol	--	UG/L	10 U	10 U	10 U
2,4,6-Trichlorophenol	--	UG/L	10 U	10 U	10 U
2,4-Dichlorophenol	5	UG/L	10 U	10 U	10 U
2,4-Dimethylphenol	50	UG/L	10 U	10 U	10 UT
2,4-Dinitrophenol	10	UG/L	40 U	40 U	40 U
2,4-Dinitrotoluene	5	UG/L	10 U	10 U	10 U
2,6-Dinitrotoluene	5	UG/L	2 U	2 U	2 U
2-Chloronaphthalene	10	UG/L	10 U	10 U	10 U
2-Chlorophenol	--	UG/L	10 U	10 U	10 U
2-Methylnaphthalene	--	UG/L	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U
2-Nitroaniline	5	UG/L	10 U	10 U	10 U
2-Nitrophenol	--	UG/L	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	UG/L	10 U	10 U	10 U
3-Nitroaniline	5	UG/L	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	--	UG/L	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U
4-Chloro-3-Methylphenol	--	UG/L	10 U	10 U	10 U
4-Chloroaniline	5	UG/L	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	--	UG/L	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	--	UG/L	10 U	10 U	10 U
4-Nitroaniline	5	UG/L	10 U	10 U	10 U
4-Nitrophenol	--	UG/L	20 U	20 U	20 U
Acenaphthene	**20**	UG/L	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U
Acetophenone	--	UG/L	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U
Atrazine	7.5	UG/L	2 U	2 U	2 U
Benzaldehyde	--	UG/L	10 U	10 U	10 U
Benzo(A)Anthracene	**0.002**	UG/L	1 U	1 U	1 U
Benzo(A)Pyrene	**0**	UG/L	1 U	1 U	1 U
Benzo(B)Fluoranthene	**0.002**	UG/L	2 U	2 U	2 U

Table 3. Summary of Semivolatile Organic Compounds in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-17R	MW-17R	MW-18R
	Sample Date:		03/18/2024	03/18/2024	03/20/2024
	Normal or Field Duplicate:		N	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units			
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	UG/L	10 U	10 U	10 U
Biphenyl (Diphenyl)	**5**	UG/L	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	UG/L	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	UG/L	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	UG/L	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	UG/L	2 U	2 U	2 U
Caprolactam	--	UG/L	10 U	10 U	10 U
Carbazole	--	UG/L	10 U	10 U	10 U
Chrysene	**0.002**	UG/L	2 U	2 U	2 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U
Diethyl Phthalate	50	UG/L	10 U	10 U	10 U
Dimethyl Phthalate	50	UG/L	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	UG/L	10 U	10 U	10 U
Di-N-Octylphthalate	--	UG/L	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U
Fluorene	**50**	UG/L	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U
Hexachlorobutadiene	0.5	UG/L	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	UG/L	10 U	10 U	10 U
Hexachloroethane	5	UG/L	2 U	2 U	2 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U
Isophorone	50	UG/L	10 U	10 U	10 U
Naphthalene	**10**	UG/L	2 U	2 U	2 U
Nitrobenzene	0.4	UG/L	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	--	UG/L	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	UG/L	10 U	10 U	10 U
Pentachlorophenol	1	UG/L	20 U	20 U	20 U
Phenanthrene	**50**	UG/L	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	10 U	10 U

Table 4. Summary of Metals in Groundwater, 322 3rd Avenue, Brooklyn, New York

Sample Designation:			MW-9	MW-9	MW-10R	MW-10R	MW-11	MW-11	MW-12	MW-12	MW-13	MW-13
Sample Date:			03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/18/2024	03/20/2024	03/20/2024
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	N	N
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units										
Arsenic	**25**	UG/L	2	2.1	2 U	2 U	14.9	1.3 J	1.6 J	2 U	**52.1**	13
Barium	1000	UG/L	124	134	79.3	69.1	173	135	16.6	15.9	11.6	7.5
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Cyanide	200	UG/L	10 U	NA	14	NA	10 U	NA	10 U	NA	10 U	NA
Lead	25	UG/L	1.2 U	1.2 U	2.4	1.2 U	1.7	1.2 U	1.2 U	1.2 U	1.3	1.2 U
Mercury	0.7	UG/L	0.38	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

Table 4. Summary of Metals in Groundwater, 322 3rd Avenue, Brooklyn, New York

Sample Designation:			MW-14	MW-14	MW-15	MW-15	MW-16R	MW-16R	MW-17R	MW-17R	MW-17R	MW-17R
Sample Date:			03/19/2024	03/19/2024	03/20/2024	03/20/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024	03/18/2024
Normal or Field Duplicate:			N	N	N	N	N	N	N	N	FD	FD
Total or Dissolved:			Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units										
Arsenic	**25**	UG/L	3.5	1.3 J	2 U	2 U	3.9	2 U	2.8	2 U	3	2 U
Barium	1000	UG/L	57.7	58	71.7	77.9	97.8	71.1	308	250	267	248
Cadmium	5	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Cyanide	200	UG/L	10 U	NA	10 U	NA	10 U	NA	4.1 J	NA	10 U	NA
Lead	25	UG/L	2.8	1.2 U	1.2 U	1.2 U	2.8	1.2 U	8.4	1.2 U	4.6	1.2 U
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.42	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Selenium	10	UG/L	2.5 U	2.5 U	2.5 U	2.5 U	0.81 J	0.67 J	2.5 U	2.5 U	2.5 U	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U

Table 4. Summary of Metals in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-18R	MW-18R
	Sample Date:		03/20/2024	03/20/2024
	Normal or Field Duplicate:		N	N
	Total or Dissolved:		Total	Dissolved
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units		
Arsenic	**25**	UG/L	9.6	2 U
Barium	1000	UG/L	477	352
Cadmium	5	UG/L	2 U	2 U
Chromium, Total	50	UG/L	4 U	4 U
Cyanide	200	UG/L	7.1 J	NA
Lead	25	UG/L	1.2 U	1.2 U
Mercury	0.7	UG/L	0.2 U	0.2 U
Selenium	10	UG/L	2.5 U	2.5 U
Silver	50	UG/L	2 U	2 U

Table 5. Summary of Polychlorinated Biphenyls in Groundwater, 322 3rd Avenue, Brooklyn, New York

	Sample Designation:		MW-9	MW-10R	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16R	MW-17R
	Sample Date:		03/19/2024	03/19/2024	03/19/2024	03/18/2024	03/20/2024	03/19/2024	03/20/2024	03/18/2024	03/18/2024
	Normal or Field Duplicate:		N	N	N	N	N	N	N	N	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units									
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.62	0.4 U	0.84	1.5
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	**0.09**	UG/L	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	**0.62**	0.4 U	**0.84**	**1.5**

Table 5. Summary of Polychlorinated Biphenyls in Groundwater, 322 3rd Avenue, Brooklyn, New York

		Sample Designation:	MW-17R	MW-18R
		Sample Date:	03/18/2024	03/20/2024
		Normal or Field Duplicate:	FD	N
Parameter	NYSDEC Ambient Water-Quality Standards and Guidance	Units		
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.49	0.4 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.4 U
Polychlorinated Biphenyl (PCBs)	**0.09**	UG/L	**0.49**	0.4 U

FIGURE 1

2nd Quarter 2023 – 1st Quarter 2024 Groundwater Sampling Results

MW-15	05/31/2023	09/27/2023	09/27/2023 DUP	12/13/2023	03/20/2024
VOCs					
1,2-Dichlorobenzene	NE	NE	NE	**3.6**	NE
1,3-Dichlorobenzene	**45**	**42**	**43**	**52**	**29**
1,4-Dichlorobenzene	**180**	**180**	**170**	**220**	**110**
Benzene	**3.3**	**5.7**	**5.8**	**5.5**	**4.9**
Chlorobenzene	**440**	**620**	**630**	**590**	**390**
SVOCs					
Naphthalene	**13**	**16**	**11**	NE	**26**
Phenol	ND	ND	ND	ND	ND
Metals, Total	NE	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE	NE
PCBs	ND	ND	ND	ND	ND

MW-14	06/01/2023	09/28/2023	12/13/2023	03/19/2024
VOCs				
1,3-Dichlorobenzene	NE	NE	**3.2**	ND
1,4-Dichlorobenzene	**4**	NE	**4**	NE
Chlorobenzene	**28**	NE	**19**	NE
Cis-1,2-Dichloroethylene	NE	NE	NE	NE
SVOCs	ND	ND	NE	NE
Metals, Total	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE
PCBs	ND	ND	ND	**0.62**

MW-9	06/01/2023	09/27/2023	12/12/2023	03/19/2024
VOCs				
1,2,4-Trichlorobenzene	**6.4**	NE	NE	NE
1,2-Dichlorobenzene	NE	NE	NE	NE
1,3-Dichlorobenzene	**45**	**28**	**18**	**26**
1,4-Dichlorobenzene	**170**	**110**	**68**	**90**
Benzene	**3**	**2.2**	**1.1**	**4.4**
Chlorobenzene	**490**	**250**	**130**	**360**
SVOCs	NE	NE	NE	NE
Metals, Total	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE
PCBs	ND	ND	ND	ND

MW-13	06/01/2023	09/28/2023	12/12/2023	12/12/2023 DUP	03/20/2024
VOCs					
Chlorobenzene	**12**	**12**	**12**	**12**	**11**
SVOCs	ND	ND	ND	ND	ND
Metals, Total					
Arsenic	**116**	**79.5**	**69**	**75**	**52.1**
Metals, Filtered					
Arsenic	**51.4**	**59.9**	**51.2**	**59.2**	NE
PCBs	ND	ND	ND	ND	ND

MW-12	03/16/2023 DUP	06/01/2023	09/28/2023	12/13/2023	03/18/2024
VOCs	ND	ND	NS	ND	ND
SVOCs	ND	ND	NS	ND	ND
Metals, Total	NE	NE	NS	NE	NE
Metals, Filtered	NE	NE	NS	NE	NE
PCBs	ND	ND	NS	ND	ND

MW-16R	05/30/2023	05/30/2023 DUP	09/29/2023	12/11/2023	03/18/2024
VOCs					
1,3-Dichlorobenzene	**13**	**13**	**6.2**	**10**	**10**
1,4-Dichlorobenzene	**300**	**300**	**91**	**150**	**290**
Benzene	**2.1**	**2.1**	ND	**2.5**	**11**
Chlorobenzene	**450**	**450**	**96**	**270**	**760**
SVOCs	NE	NE	NE	NE	NE
Metals, Total	NE	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE	NE
PCBs	ND	**1.7**	**5.8**	ND	**0.84**

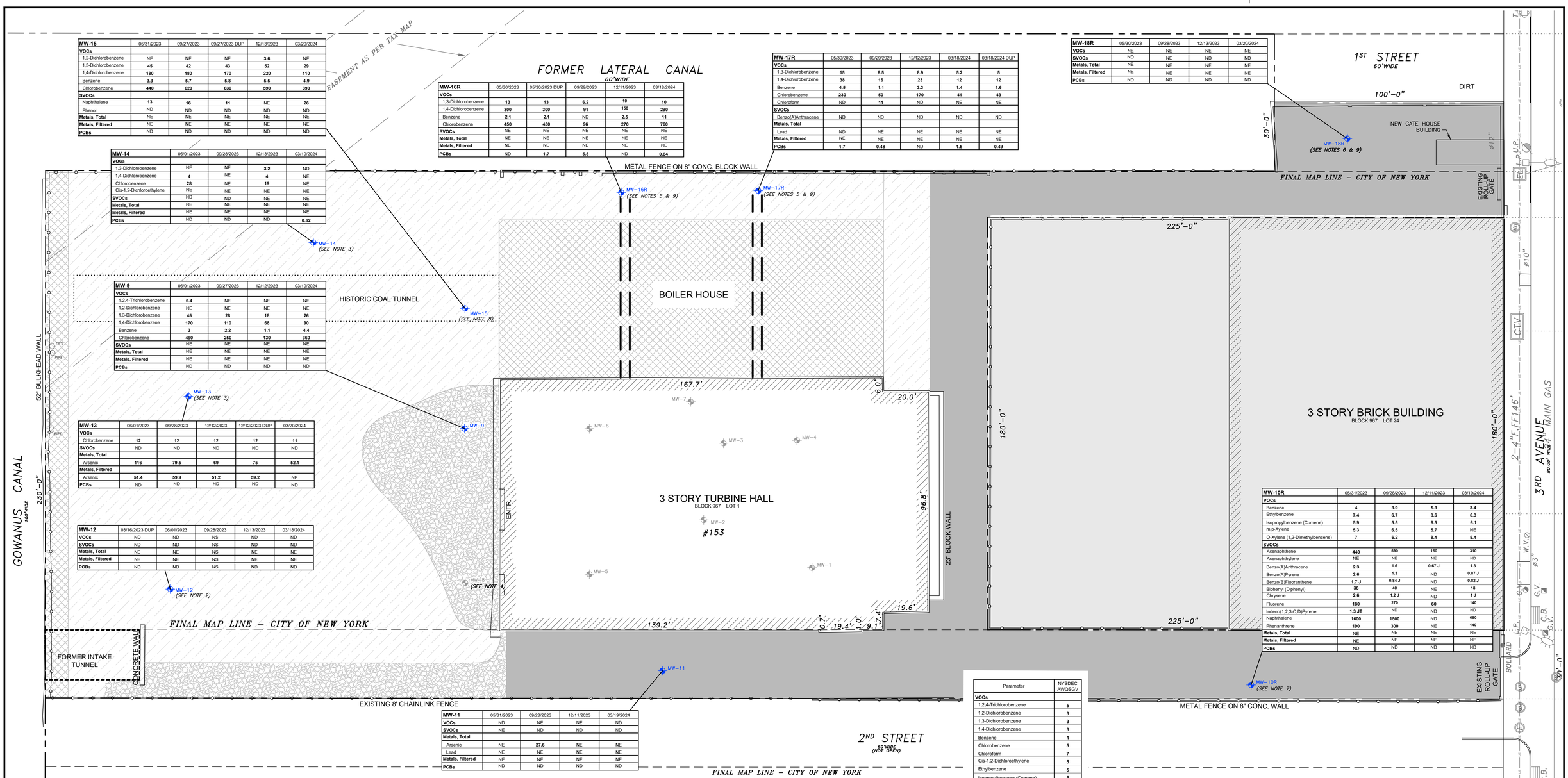
MW-17R	05/30/2023	09/29/2023	12/12/2023	03/18/2024	03/18/2024 DUP
VOCs					
1,3-Dichlorobenzene	**15**	**6.5**	**8.9**	**5.2**	**5**
1,4-Dichlorobenzene	**38**	**16**	**23**	**12**	**12**
Benzene	**4.5**	**1.1**	**3.3**	**1.4**	**1.6**
Chlorobenzene	**230**	**50**	**170**	**41**	**43**
Chloroform	ND	**11**	ND	NE	NE
SVOCs					
Benzo(A)Anthracene	ND	ND	ND	ND	ND
Metals, Total					
Lead	ND	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE	NE
PCBs	**1.7**	**0.48**	ND	**1.5**	**0.49**

MW-18R	05/30/2023	09/28/2023	12/13/2023	03/20/2024
VOCs	NE	NE	NE	NE
SVOCs	ND	NE	ND	ND
Metals, Total	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE
PCBs	ND	ND	ND	ND

MW-10R	05/31/2023	09/28/2023	12/11/2023	03/19/2024
VOCs				
Benzene	**4**	**3.9**	**5.3**	**3.4**
Ethylbenzene	**7.4**	**6.7**	**8.6**	**6.3**
Isopropylbenzene (Cumene)	**5.9**	**5.5**	**6.5**	**6.1**
m,p-Xylene	**5.3**	**6.5**	**5.7**	NE
O-Xylene (1,2-Dimethylbenzene)	**7**	**6.2**	**8.4**	**5.4**
SVOCs				
Acenaphthene	**440**	**590**	**160**	**310**
Acenaphthylene	NE	NE	NE	ND
Benzo(A)Anthracene	**2.3**	**1.6**	**0.67 J**	**1.3**
Benzo(A)Pyrene	**2.6**	**1.3**	ND	**0.87 J**
Benzo(B)Fluoranthene	**1.7 J**	**0.84 J**	ND	**0.82 J**
Biphenyl (Diphenyl)	**36**	**40**	NE	**18**
Chrysene	**2.6**	**1.2 J**	ND	**1 J**
Fluorene	**180**	**270**	**60**	**140**
Indeno(1,2,3-C,D)Pyrene	**1.3 JT**	ND	ND	ND
Naphthalene	**1600**	**1500**	ND	**680**
Phenanthrene	**190**	**300**	NE	**140**
Metals, Total	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE
PCBs	ND	ND	ND	ND

MW-11	05/31/2023	09/28/2023	12/11/2023	03/19/2024
VOCs	ND	NE	NE	ND
SVOCs	NE	ND	ND	ND
Metals, Total				
Arsenic	NE	**27.6**	NE	NE
Lead	NE	NE	NE	NE
Metals, Filtered	NE	NE	NE	NE
PCBs	ND	ND	ND	ND

Parameter	NYSDEC AWQSGV
VOCs	
1,2,4-Trichlorobenzene	**5**
1,2-Dichlorobenzene	**3**
1,3-Dichlorobenzene	**3**
1,4-Dichlorobenzene	**3**
Benzene	**1**
Chlorobenzene	**5**
Chloroform	**7**
Cis-1,2-Dichloroethylene	**5**
Ethylbenzene	**5**
Isopropylbenzene (Cumene)	**5**
m,p-Xylene	**5**
O-Xylene (1,2-Dimethylbenzene)	**5**
SVOCs	
Acenaphthene	**20**
Acenaphthylene	**20**
Benzo(A)Anthracene	**0.002**
Benzo(A)Pyrene	**0**
Benzo(B)Fluoranthene	**0.002**
Biphenyl (Diphenyl)	**5**
Chrysene	**0.002**
Fluorene	**50**
Indeno(1,2,3-C,D)Pyrene	**0.002**
Naphthalene	**10**
Phenanthrene	**50**
Phenol	**1**
Metals, Total	
Arsenic	**25**
Lead	**25**
Metals, Filtered	
Arsenic	**25**
PCBs	
Polychlorinated Biphenyl (PCBs)	**0.09**



LEGEND

- EXISTING BUILDING OR STRUCTURE
- PROPERTY LINE
- FENCE LINE
- UE — UE — EXISTING UNDERGROUND ELECTRIC
- SS — SS — EXISTING STORM WATER SEWER
- EXISTING MANHOLE
- DR. EXISTING STORM WATER DRYWELL
- APPROXIMATE LOCATION OF FORMER LATERAL DISCHARGE TUNNELS
- MW–10 LOCATION AND DESIGNATION OF MONITORING WELL
- MW–8 LOCATION AND DESIGNATION OF DESTROYED MONITORING WELL
- ASPHALT CAP
- CLEAN STONE
- EXISTING CONCRETE SLAB
- RECYCLED CONCRETE AGGREGATE

NOTES

1. BASE MAP PREPARED FROM SURVEY PERFORMED BY GARDEN STATE ENGINEERING SURVEYING & PLANNING IN JUNE 2022.
2. MW–12 INSTALLED ON DECEMBER 18, 2019.
3. MW–13 AND MW–14 INSTALLED ON FEBRUARY 20, 2020 AND FEBRUARY 21, 2020, RESPECTIVELY.
4. MW–8 WAS DESTROYED DURING REDEVELOPMENT ACTIVITIES IN JUNE 2019.
5. MW–16 AND MW–17 WERE DESTROYED DURING REDEVELOPMENT ACTIVITIES IN FEBRUARY 2020 AND WERE REINSTALLED AS MW–16R AND MW–17R, RESPECTIVELY, IN JUNE 2022 .
6. MW–18 WAS DESTROYED DURING REDEVELOPMENT ACTIVITIES IN MARCH 2021 AND WAS REINSTALLED AS MW–18R IN JUNE 2022.
7. MW–10 WAS DESTROYED DURING REDEVELOPMENT ACTIVITIES IN NOVEMBER 2021 AND WAS REINSTALLED AS MW–10R IN JUNE 2022.
8. MW–15 WAS INSTALLED IN MAY 2022.
9. ABSORBENT SOCKS WERE REMOVED FROM MW–16R, MW–17R, AND MW–18R DURING FOURTH QUARTER 2022 SAMPLING EVENT. LNAPL HAS NOT BEEN DETECTED DURING SUBSEQUENT GAUGING AND SAMPLING EVENTS.

DATA BOX KEY

SAMPLE DESIGNATION — SAMPLE DATE

MW-13	06/01/2023	09/28/2023	12/12/2023	12/12/2023 DUP	03/20/2024
VOCs					
Chlorobenzene	**12**	**12**	**12**	**12**	**11**
SVOCs	ND	ND	ND	ND	ND
Metals, Total					
Arsenic	**116**	**79.5**	**69**	**75**	**52.1**
Metals, Filtered					
Arsenic	**51.4**	**59.9**	**51.2**	**59.2**	NE
PCBs	ND	ND	ND	ND	ND

PARAMETER — CONCENTRATION

CONCENTRATIONS IN µg/L

µg/L – MICROGRAMS PER LITER

NYSDEC – NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AWQSGVs – AMBIENT WATER–QUALITY STANDARDS AND GUIDANCE VALUES

VOCs – VOLATILE ORGANIC COMPOUNDS

SVOCs – SEMIVOLATILE ORGANIC COMPOUNDS

PCBs – POLYCHLORINATED BIPHENYLS

B – COMPOUND WAS FOUND IN BLANK AND SAMPLE

J – ESTIMATED VALUE

DUP – DUPLICATE SAMPLE

ND – NO DETECTION

NE – NO EXCEEDANCES

NS – NOT SAMPLED

20' 0 20'

NO.	DATE	REVISION DESCRIPTION	INT.

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ROUX
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209 SHAFTER STREET, ISLANDIA, NEW YORK 11749
(631) 232-2600

PROJECT NAME:
GOWANUS VILLAGE I, LLC - BROOKLYN, NEW YORK

PROJECT FOR:
BRT POWERHOUSE LLC

TITLE:
SECOND QUARTER 2023 - FIRST QUARTER 2024 GROUNDWATER SAMPLING RESULTS

FIGURE
1

FIGURE 1 OF 1

V:\CAD\PROJECTS\2705\Y\0001Y\319\2705.0001Y319.01.DWG

ATTACHMENT 1

First Quarter 2024 Laboratory Reports

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

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JOB DESCRIPTION

Powerhouse, Brooklyn, NY

JOB NUMBER

460-300484-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Powerhouse, Brooklyn, NY

Report Number: 460-300484-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 3/18/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 03/22/2024.

Sample MW-16R (460-300484-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-16R (460-300484-2). Elevated reporting limits (RLs) are provided.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-965386 recovered outside control limits for 1,4-Dioxane. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

1,4-Dichlorobenzene and Chlorobenzene failed the recovery criteria low for the MS of sample MW-16RMS (460-300484-2) in batch 460-965386. 1,4-Dioxane failed the recovery criteria high.

1,4-Dichlorobenzene and Chlorobenzene failed the recovery criteria low for the MSD of sample MW-16RMSD (460-300484-2) in batch 460-965386. 1,4-Dioxane failed the recovery criteria high.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method

8270E. The samples were prepared and analyzed on 03/22/2024.

The continuing calibration verification (CCV) analyzed in batch 460-965372 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-965547 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Phenol-d5 (Surr) failed the surrogate recovery criteria high for MW-16RMSD (460-300484-2MSD).

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample MW-16RMS (460-300484-2) in batch 460-965372. Several analytes failed the recovery criteria high.

For the MSD of sample MW-16RMSD (460-300484-2) in batch 460-965372, 3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, 4-Chloroaniline exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared and analyzed on 03/22/2024.

Internal standard (ISTD) response for the following sample, MS and MSD were exceeded the control limit on the secondary Column: MW-16R (460-300484-2), MW-16R (460-300484-2[MS]) and MW-16R (460-300484-2[MSD]). As such, the sample results associated with this ISTD were reported from the other column, which met ISTD acceptance criteria.

The %RPD between the primary and confirmation column exceeded 40% for Aroclor 1260 for the following sample: MW-16R (460-300484-2). The higher value(s) has been reported due to ISTD high on the secondary column.

Aroclor 1260 failed the recovery criteria high for the MS of sample MW-16RMS (460-300484-2) in batch 460-965367.

Aroclor 1260 exceeded the RPD limit for the MSD of sample MW-16RMSD (460-300484-2) in batch 460-965367.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

METALS - DISSOLVED)(ICP/MS)
Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for Metals - Dissolved)(ICP/MS) in accordance with EPA SW-846 Method 6020B - Dissolved. The samples were prepared and analyzed on 03/26/2024.

No other difficulties were encountered during the metals, diss. analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared and analyzed on 03/22/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory. MW-12 (460-300484-1), MW-16R (460-300484-2), MW-16R (460-300484-2[MS]), MW-16R (460-300484-2[MSD]), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4)

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - DISSOLVED

Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for mercury - Dissolved in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/22/2024.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY

Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/22/2024 and 03/26/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory. MW-12 (460-300484-1), MW-16R (460-300484-2), MW-16R (460-300484-2[MS]), MW-16R (460-300484-2[MSD]), MW-17R (460-300484-3), DUP_03182024 (460-300484-4) and (460-300484-H-2 DU)

Mercury failed the recovery criteria low for the MS of sample MW-16RMS (460-300484-2) in batch 460-965534.

Mercury failed the recovery criteria low for the MSD of sample MW-16RMSD (460-300484-2) in batch 460-965534.

Refer to the QC report for details.

No other difficulties were encountered during the Hg analysis.

All other quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-12 (460-300484-1), MW-16R (460-300484-2), MW-17R (460-300484-3) and DUP_03182024 (460-300484-4) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 03/22/2024.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300484-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-300484-1	MW-12	Water	03/18/24 13:50	03/18/24 19:00
460-300484-2	MW-16R	Water	03/18/24 10:55	03/18/24 19:00
460-300484-3	MW-17R	Water	03/18/24 08:30	03/18/24 19:00
460-300484-4	DUP_03182024	Water	03/18/24 12:00	03/18/24 19:00

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-12 — Lab Sample ID: 460-300484-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	1.6	J	2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	16.6		4.0	0.93	ug/L	1		6020B	Total Recoverable
Barium	15.9		4.0	0.93	ug/L	1		6020B	Dissolved

Client Sample ID: MW-16R — Lab Sample ID: 460-300484-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	10		2.0	0.68	ug/L	2		8260D	Total/NA
1,4-Dichlorobenzene	290		2.0	0.67	ug/L	2		8260D	Total/NA
Benzene	11		2.0	0.41	ug/L	2		8260D	Total/NA
Chlorobenzene	760		2.0	0.75	ug/L	2		8260D	Total/NA
2,4-Dichlorophenol	1.2	J	10	1.1	ug/L	1		8270E	Total/NA
2-Chlorophenol	9.4	J	10	0.38	ug/L	1		8270E	Total/NA
Naphthalene	8.0		2.0	0.54	ug/L	1		8270E	Total/NA
Aroclor 1260	0.84		0.40	0.11	ug/L	1		8082A	Total/NA
Polychlorinated biphenyls, Total	0.84		0.40	0.12	ug/L	1		8082A	Total/NA
Arsenic	3.9		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	97.8		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	2.8		1.2	0.42	ug/L	1		6020B	Total Recoverable
Selenium	0.81	J	2.5	0.43	ug/L	1		6020B	Total Recoverable
Barium	71.1		4.0	0.93	ug/L	1		6020B	Dissolved
Selenium	0.67	J	2.5	0.43	ug/L	1		6020B	Dissolved
Mercury	0.42		0.20	0.091	ug/L	1		7470A	Total/NA

Client Sample ID: MW-17R — Lab Sample ID: 460-300484-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.29	J	1.0	0.21	ug/L	1		8260D	Total/NA
1,3-Dichlorobenzene	5.2		1.0	0.34	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	12		1.0	0.33	ug/L	1		8260D	Total/NA
Benzene	1.4		1.0	0.20	ug/L	1		8260D	Total/NA
Chlorobenzene	41		1.0	0.38	ug/L	1		8260D	Total/NA
Chloroform	5.3		1.0	0.33	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.26	J	1.0	0.22	ug/L	1		8260D	Total/NA
Dichlorobromomethane	0.38	J	1.0	0.34	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.60	J	1.0	0.22	ug/L	1		8260D	Total/NA
Aroclor 1260	1.5		0.40	0.11	ug/L	1		8082A	Total/NA
Polychlorinated biphenyls, Total	1.5		0.40	0.12	ug/L	1		8082A	Total/NA
Arsenic	2.8		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	308		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	8.4		1.2	0.42	ug/L	1		6020B	Total Recoverable
Barium	250		4.0	0.93	ug/L	1		6020B	Dissolved
Cyanide, Total	0.0041	J	0.010	0.0040	mg/L	1		9012B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2-Dichlorobenzene	0.30	J	1.0	0.21	ug/L	1		8260D	Total/NA
1,3-Dichlorobenzene	5.0		1.0	0.34	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	12		1.0	0.33	ug/L	1		8260D	Total/NA
Benzene	1.6		1.0	0.20	ug/L	1		8260D	Total/NA
Chlorobenzene	43		1.0	0.38	ug/L	1		8260D	Total/NA
Chloroform	5.3		1.0	0.33	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.31	J	1.0	0.22	ug/L	1		8260D	Total/NA
Dichlorobromomethane	0.38	J	1.0	0.34	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.80	J	1.0	0.22	ug/L	1		8260D	Total/NA
Toluene	0.41	J	1.0	0.38	ug/L	1		8260D	Total/NA
Aroclor 1260	0.49		0.40	0.11	ug/L	1		8082A	Total/NA
Polychlorinated biphenyls, Total	0.49		0.40	0.12	ug/L	1		8082A	Total/NA
Arsenic	3.0		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	267		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	4.6		1.2	0.42	ug/L	1		6020B	Total Recoverable
Barium	248		4.0	0.93	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: MW-12
Date Collected: 03/18/24 13:50
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 09:10	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 09:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:10	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 09:10	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 09:10	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 09:10	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 09:10	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 09:10	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 09:10	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 09:10	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 09:10	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 09:10	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 09:10	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/22/24 09:10	1
1,4-Dioxane	50	U *	50	28	ug/L			03/22/24 09:10	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 09:10	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 09:10	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 09:10	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 09:10	1
Benzene	1.0	U	1.0	0.20	ug/L			03/22/24 09:10	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 09:10	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 09:10	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 09:10	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 09:10	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/22/24 09:10	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 09:10	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 09:10	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:10	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 09:10	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 09:10	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 09:10	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:10	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 09:10	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 09:10	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:10	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 09:10	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 09:10	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 09:10	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 09:10	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 09:10	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 09:10	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 09:10	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 09:10	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 09:10	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 09:10	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 09:10	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 09:10	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 09:10	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:10	1

Client Sample ID: MW-12
Date Collected: 03/18/24 13:50
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 09:10	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:10	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*03/22/24 09:10*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/22/24 09:10*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 132*		*03/22/24 09:10*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/22/24 09:10*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:20	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 16:20	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 16:20	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:20	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 16:20	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 16:20	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:20	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 16:20	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:20	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 16:20	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 16:20	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:20	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 16:20	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 16:20	1

Client Sample ID: MW-12
Date Collected: 03/18/24 13:50
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 16:20	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 16:20	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 16:20	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 16:20	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 16:20	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 16:20	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 16:20	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 16:20	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:20	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 16:20	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 16:20	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 16:20	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:20	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 16:20	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 16:20	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 16:20	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 16:20	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 16:20	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 16:20	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 16:20	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 16:20	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 16:20	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 16:20	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 16:20	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 16:20	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 16:20	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:20	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 16:20	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*103*		*37 - 150*	*03/22/24 09:13*	*03/22/24 16:20*	*1*
2-Fluorobiphenyl	*100*		*46 - 139*	*03/22/24 09:13*	*03/22/24 16:20*	*1*
2-Fluorophenol (Surr)	*55*		*16 - 80*	*03/22/24 09:13*	*03/22/24 16:20*	*1*
Nitrobenzene-d5 (Surr)	*109*		*51 - 145*	*03/22/24 09:13*	*03/22/24 16:20*	*1*
Phenol-d5 (Surr)	*38*		*10 - 56*	*03/22/24 09:13*	*03/22/24 16:20*	*1*
Terphenyl-d14 (Surr)	*68*		*13 - 150*	*03/22/24 09:13*	*03/22/24 16:20*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:08	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:08	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:08	1

Client Sample ID: MW-12
Lab Sample ID: 460-300484-1

Date Collected: 03/18/24 13:50
Matrix: Water
Date Received: 03/18/24 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*102*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:08*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:08*	*1*
Tetrachloro-m-xylene	*90*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:08*	*1*
Tetrachloro-m-xylene	*89*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:08*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.6**	**J**	2.0	1.2	ug/L		03/22/24 13:00	03/22/24 18:46	1
Barium	**16.6**		4.0	0.93	ug/L		03/22/24 13:00	03/22/24 18:46	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/22/24 13:00	03/22/24 18:46	1
Chromium	4.0	U	4.0	1.7	ug/L		03/22/24 13:00	03/22/24 18:46	1
Lead	1.2	U	1.2	0.42	ug/L		03/22/24 13:00	03/22/24 18:46	1
Selenium	2.5	U	2.5	0.43	ug/L		03/22/24 13:00	03/22/24 18:46	1
Silver	2.0	U	2.0	1.3	ug/L		03/22/24 13:00	03/22/24 18:46	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 16:57	1
Barium	**15.9**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 16:57	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 16:57	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 16:57	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 16:57	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 16:57	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 16:57	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:00	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:26	1

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2

Date Collected: 03/18/24 10:55
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	2.0	U	2.0	0.48	ug/L			03/22/24 10:30	2
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.73	ug/L			03/22/24 10:30	2
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62	ug/L			03/22/24 10:30	2
1,1,2-Trichloroethane	2.0	U	2.0	0.41	ug/L			03/22/24 10:30	2
1,1-Dichloroethane	2.0	U	2.0	0.53	ug/L			03/22/24 10:30	2
1,1-Dichloroethene	2.0	U	2.0	0.53	ug/L			03/22/24 10:30	2
1,2,3-Trichlorobenzene	2.0	U	2.0	0.71	ug/L			03/22/24 10:30	2
1,2,4-Trichlorobenzene	2.0	U	2.0	0.73	ug/L			03/22/24 10:30	2
1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.75	ug/L			03/22/24 10:30	2

Client Sample ID: MW-16R
Date Collected: 03/18/24 10:55
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	2.0	U	2.0	0.42	ug/L			03/22/24 10:30	2
1,2-Dichloroethane	2.0	U	2.0	0.86	ug/L			03/22/24 10:30	2
1,2-Dichloropropane	2.0	U	2.0	0.71	ug/L			03/22/24 10:30	2
1,3-Dichlorobenzene	**10**		2.0	0.68	ug/L			03/22/24 10:30	2
1,4-Dichlorobenzene	**290**		2.0	0.67	ug/L			03/22/24 10:30	2
1,4-Dioxane	100	U *	100	56	ug/L			03/22/24 10:30	2
2-Butanone (MEK)	10	U	10	3.7	ug/L			03/22/24 10:30	2
2-Hexanone	10	U	10	2.3	ug/L			03/22/24 10:30	2
4-Methyl-2-pentanone (MIBK)	10	U	10	2.6	ug/L			03/22/24 10:30	2
Acetone	10	U	10	8.8	ug/L			03/22/24 10:30	2
Benzene	**11**		2.0	0.41	ug/L			03/22/24 10:30	2
Bromoform	2.0	U	2.0	1.1	ug/L			03/22/24 10:30	2
Bromomethane	2.0	U	2.0	1.1	ug/L			03/22/24 10:30	2
Carbon disulfide	2.0	U	2.0	1.6	ug/L			03/22/24 10:30	2
Carbon tetrachloride	2.0	U	2.0	0.42	ug/L			03/22/24 10:30	2
Chlorobenzene	**760**		2.0	0.75	ug/L			03/22/24 10:30	2
Chlorobromomethane	2.0	U	2.0	0.82	ug/L			03/22/24 10:30	2
Chlorodibromomethane	2.0	U	2.0	0.56	ug/L			03/22/24 10:30	2
Chloroethane	2.0	U	2.0	0.64	ug/L			03/22/24 10:30	2
Chloroform	2.0	U	2.0	0.65	ug/L			03/22/24 10:30	2
Chloromethane	2.0	U	2.0	0.80	ug/L			03/22/24 10:30	2
cis-1,2-Dichloroethene	2.0	U	2.0	0.44	ug/L			03/22/24 10:30	2
cis-1,3-Dichloropropene	2.0	U	2.0	0.44	ug/L			03/22/24 10:30	2
Cyclohexane	2.0	U	2.0	0.64	ug/L			03/22/24 10:30	2
Dichlorobromomethane	2.0	U	2.0	0.69	ug/L			03/22/24 10:30	2
Dichlorodifluoromethane	2.0	U	2.0	0.62	ug/L			03/22/24 10:30	2
Ethylbenzene	2.0	U	2.0	0.60	ug/L			03/22/24 10:30	2
Ethylene Dibromide	2.0	U	2.0	1.0	ug/L			03/22/24 10:30	2
Isopropylbenzene	2.0	U	2.0	0.67	ug/L			03/22/24 10:30	2
Methyl acetate	10	U	10	1.6	ug/L			03/22/24 10:30	2
Methyl tert-butyl ether	2.0	U	2.0	0.43	ug/L			03/22/24 10:30	2
Methylcyclohexane	2.0	U	2.0	1.4	ug/L			03/22/24 10:30	2
Methylene Chloride	2.0	U	2.0	0.63	ug/L			03/22/24 10:30	2
m-Xylene & p-Xylene	2.0	U	2.0	0.59	ug/L			03/22/24 10:30	2
o-Xylene	2.0	U	2.0	0.72	ug/L			03/22/24 10:30	2
Styrene	2.0	U	2.0	0.83	ug/L			03/22/24 10:30	2
Tetrachloroethene	2.0	U	2.0	0.50	ug/L			03/22/24 10:30	2
Toluene	2.0	U	2.0	0.76	ug/L			03/22/24 10:30	2
trans-1,2-Dichloroethene	2.0	U	2.0	0.47	ug/L			03/22/24 10:30	2
trans-1,3-Dichloropropene	2.0	U	2.0	0.45	ug/L			03/22/24 10:30	2
Trichloroethene	2.0	U	2.0	0.63	ug/L			03/22/24 10:30	2
Trichlorofluoromethane	2.0	U	2.0	0.64	ug/L			03/22/24 10:30	2
Vinyl chloride	2.0	U	2.0	0.34	ug/L			03/22/24 10:30	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*03/22/24 10:30*	*2*
4-Bromofluorobenzene	*110*		*76 - 120*		*03/22/24 10:30*	*2*
Dibromofluoromethane (Surr)	*98*		*77 - 132*		*03/22/24 10:30*	*2*
Toluene-d8 (Surr)	*99*		*80 - 120*		*03/22/24 10:30*	*2*

Client Sample ID: MW-16R
Date Collected: 03/18/24 10:55
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:41	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4-Dichlorophenol	**1.2**	**J**	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 16:41	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Chlorophenol	**9.4**	**J**	10	0.38	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 16:41	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:41	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 16:41	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 16:41	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 16:41	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 16:41	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:41	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 16:41	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 16:41	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:41	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 16:41	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 16:41	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 16:41	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 16:41	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 16:41	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 16:41	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 16:41	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 16:41	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 16:41	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 16:41	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 16:41	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 16:41	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 16:41	1

Client Sample ID: MW-16R
Date Collected: 03/18/24 10:55
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 16:41	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 16:41	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 16:41	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 16:41	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 16:41	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 16:41	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 16:41	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 16:41	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 16:41	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 16:41	1
Naphthalene	**8.0**		2.0	0.54	ug/L		03/22/24 09:13	03/22/24 16:41	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 16:41	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 16:41	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 16:41	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 16:41	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 16:41	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 16:41	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 16:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*37 - 150*	*03/22/24 09:13*	*03/22/24 16:41*	*1*
2-Fluorobiphenyl	*96*		*46 - 139*	*03/22/24 09:13*	*03/22/24 16:41*	*1*
2-Fluorophenol (Surr)	*65*		*16 - 80*	*03/22/24 09:13*	*03/22/24 16:41*	*1*
Nitrobenzene-d5 (Surr)	*106*		*51 - 145*	*03/22/24 09:13*	*03/22/24 16:41*	*1*
Phenol-d5 (Surr)	*49*		*10 - 56*	*03/22/24 09:13*	*03/22/24 16:41*	*1*
Terphenyl-d14 (Surr)	*72*		*13 - 150*	*03/22/24 09:13*	*03/22/24 16:41*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1260	**0.84**		0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:24	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:24	1
Polychlorinated biphenyls, Total	**0.84**		0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*8*	*	*10 - 150*	*03/22/24 08:44*	*03/22/24 13:24*	*1*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:24*	*1*
Tetrachloro-m-xylene	*6*	*	*10 - 147*	*03/22/24 08:44*	*03/22/24 13:24*	*1*
Tetrachloro-m-xylene	*73*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:24*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.9**		2.0	1.2	ug/L		03/22/24 13:00	03/22/24 18:41	1
Barium	**97.8**		4.0	0.93	ug/L		03/22/24 13:00	03/22/24 18:41	1

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Date Collected: 03/18/24 10:55
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.38	ug/L		03/22/24 13:00	03/22/24 18:41	1
Chromium	4.0	U	4.0	1.7	ug/L		03/22/24 13:00	03/22/24 18:41	1
Lead	**2.8**		1.2	0.42	ug/L		03/22/24 13:00	03/22/24 18:41	1
Selenium	**0.81**	**J**	2.5	0.43	ug/L		03/22/24 13:00	03/22/24 18:41	1
Silver	2.0	U	2.0	1.3	ug/L		03/22/24 13:00	03/22/24 18:41	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 16:47	1
Barium	**71.1**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 16:47	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 16:47	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 16:47	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 16:47	1
Selenium	**0.67**	**J**	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 16:47	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 16:47	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.42**		0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:15	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:23	1

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Date Collected: 03/18/24 08:30
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 09:30	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 09:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:30	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 09:30	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 09:30	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 09:30	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 09:30	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 09:30	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 09:30	1
1,2-Dichlorobenzene	**0.29**	**J**	1.0	0.21	ug/L			03/22/24 09:30	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 09:30	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 09:30	1
1,3-Dichlorobenzene	**5.2**		1.0	0.34	ug/L			03/22/24 09:30	1
1,4-Dichlorobenzene	**12**		1.0	0.33	ug/L			03/22/24 09:30	1
1,4-Dioxane	50	U *	50	28	ug/L			03/22/24 09:30	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 09:30	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 09:30	1

Client Sample ID: MW-17R
Date Collected: 03/18/24 08:30
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 09:30	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 09:30	1
Benzene	**1.4**		1.0	0.20	ug/L			03/22/24 09:30	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 09:30	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 09:30	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 09:30	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 09:30	1
Chlorobenzene	**41**		1.0	0.38	ug/L			03/22/24 09:30	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 09:30	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 09:30	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:30	1
Chloroform	**5.3**		1.0	0.33	ug/L			03/22/24 09:30	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 09:30	1
cis-1,2-Dichloroethene	**0.26**	**J**	1.0	0.22	ug/L			03/22/24 09:30	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:30	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 09:30	1
Dichlorobromomethane	**0.38**	**J**	1.0	0.34	ug/L			03/22/24 09:30	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:30	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 09:30	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 09:30	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 09:30	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 09:30	1
Methyl tert-butyl ether	**0.60**	**J**	1.0	0.22	ug/L			03/22/24 09:30	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 09:30	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 09:30	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 09:30	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 09:30	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 09:30	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 09:30	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 09:30	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 09:30	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:30	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 09:30	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:30	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 09:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*03/22/24 09:30*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/22/24 09:30*	*1*
Dibromofluoromethane (Surr)	*99*		*77 - 132*		*03/22/24 09:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*03/22/24 09:30*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 17:45	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 17:45	1

Client Sample ID: MW-17R
Date Collected: 03/18/24 08:30
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 17:45	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 17:45	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 17:45	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 17:45	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 17:45	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 17:45	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 17:45	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 17:45	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 17:45	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 17:45	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 17:45	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 17:45	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 17:45	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 17:45	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 17:45	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 17:45	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 17:45	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 17:45	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 17:45	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 17:45	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 17:45	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 17:45	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 17:45	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 17:45	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 17:45	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 17:45	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 17:45	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 17:45	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 17:45	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 17:45	1

Client Sample ID: MW-17R
Date Collected: 03/18/24 08:30
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 17:45	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 17:45	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 17:45	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 17:45	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 17:45	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 17:45	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 17:45	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 17:45	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 17:45	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 17:45	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 17:45	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 17:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*104*		*37 - 150*	*03/22/24 09:13*	*03/22/24 17:45*	*1*
2-Fluorobiphenyl	*96*		*46 - 139*	*03/22/24 09:13*	*03/22/24 17:45*	*1*
2-Fluorophenol (Surr)	*68*		*16 - 80*	*03/22/24 09:13*	*03/22/24 17:45*	*1*
Nitrobenzene-d5 (Surr)	*111*		*51 - 145*	*03/22/24 09:13*	*03/22/24 17:45*	*1*
Phenol-d5 (Surr)	*51*		*10 - 56*	*03/22/24 09:13*	*03/22/24 17:45*	*1*
Terphenyl-d14 (Surr)	*74*		*13 - 150*	*03/22/24 09:13*	*03/22/24 17:45*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1260	**1.5**		0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:41	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:41	1
Polychlorinated biphenyls, Total	**1.5**		0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*107*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:41*	*1*
DCB Decachlorobiphenyl	*106*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:41*	*1*
Tetrachloro-m-xylene	*92*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:41*	*1*
Tetrachloro-m-xylene	*90*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:41*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.8**		2.0	1.2	ug/L		03/22/24 13:00	03/22/24 18:48	1
Barium	**308**		4.0	0.93	ug/L		03/22/24 13:00	03/22/24 18:48	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/22/24 13:00	03/22/24 18:48	1
Chromium	4.0	U	4.0	1.7	ug/L		03/22/24 13:00	03/22/24 18:48	1
Lead	**8.4**		1.2	0.42	ug/L		03/22/24 13:00	03/22/24 18:48	1
Selenium	2.5	U	2.5	0.43	ug/L		03/22/24 13:00	03/22/24 18:48	1
Silver	2.0	U	2.0	1.3	ug/L		03/22/24 13:00	03/22/24 18:48	1

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3

Date Collected: 03/18/24 08:30
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:11	1
Barium	**250**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:11	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:11	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:11	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:11	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:11	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:11	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 14:52	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0041**	**J**	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:27	1

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4

Date Collected: 03/18/24 12:00
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 10:09	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 10:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 10:09	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 10:09	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 10:09	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 10:09	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 10:09	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 10:09	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 10:09	1
1,2-Dichlorobenzene	**0.30**	**J**	1.0	0.21	ug/L			03/22/24 10:09	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 10:09	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 10:09	1
1,3-Dichlorobenzene	**5.0**		1.0	0.34	ug/L			03/22/24 10:09	1
1,4-Dichlorobenzene	**12**		1.0	0.33	ug/L			03/22/24 10:09	1
1,4-Dioxane	50	U *	50	28	ug/L			03/22/24 10:09	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 10:09	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 10:09	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 10:09	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 10:09	1
Benzene	**1.6**		1.0	0.20	ug/L			03/22/24 10:09	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 10:09	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 10:09	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 10:09	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 10:09	1
Chlorobenzene	**43**		1.0	0.38	ug/L			03/22/24 10:09	1

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4

Date Collected: 03/18/24 12:00
Matrix: Water

Date Received: 03/18/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 10:09	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 10:09	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 10:09	1
Chloroform	**5.3**		1.0	0.33	ug/L			03/22/24 10:09	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 10:09	1
cis-1,2-Dichloroethene	**0.31**	**J**	1.0	0.22	ug/L			03/22/24 10:09	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 10:09	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 10:09	1
Dichlorobromomethane	**0.38**	**J**	1.0	0.34	ug/L			03/22/24 10:09	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 10:09	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 10:09	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 10:09	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 10:09	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 10:09	1
Methyl tert-butyl ether	**0.80**	**J**	1.0	0.22	ug/L			03/22/24 10:09	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 10:09	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 10:09	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 10:09	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 10:09	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 10:09	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 10:09	1
Toluene	**0.41**	**J**	1.0	0.38	ug/L			03/22/24 10:09	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 10:09	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 10:09	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 10:09	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 10:09	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 10:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*03/22/24 10:09*	*1*
4-Bromofluorobenzene	*110*		*76 - 120*		*03/22/24 10:09*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 132*		*03/22/24 10:09*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/22/24 10:09*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 14:34	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 14:34	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 14:34	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 14:34	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 14:34	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 14:34	1

Client Sample ID: DUP_03182024
Date Collected: 03/18/24 12:00
Date Received: 03/18/24 19:00

Lab Sample ID: 460-300484-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 14:34	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 14:34	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 14:34	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 14:34	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 14:34	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 14:34	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 14:34	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 14:34	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 14:34	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 14:34	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 14:34	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 14:34	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 14:34	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 14:34	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 14:34	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 14:34	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 14:34	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 14:34	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 14:34	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 14:34	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 14:34	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 14:34	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 14:34	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 14:34	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 14:34	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 14:34	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 14:34	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 14:34	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 14:34	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 14:34	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 14:34	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 14:34	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 14:34	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 14:34	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 14:34	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 14:34	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 14:34	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 14:34	1

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4

Date Collected: 03/18/24 12:00
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 14:34	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 14:34	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 14:34	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*37 - 150*	*03/22/24 09:13*	*03/22/24 14:34*	*1*
2-Fluorobiphenyl	*95*		*46 - 139*	*03/22/24 09:13*	*03/22/24 14:34*	*1*
2-Fluorophenol (Surr)	*68*		*16 - 80*	*03/22/24 09:13*	*03/22/24 14:34*	*1*
Nitrobenzene-d5 (Surr)	*106*		*51 - 145*	*03/22/24 09:13*	*03/22/24 14:34*	*1*
Phenol-d5 (Surr)	*52*		*10 - 56*	*03/22/24 09:13*	*03/22/24 14:34*	*1*
Terphenyl-d14 (Surr)	*70*		*13 - 150*	*03/22/24 09:13*	*03/22/24 14:34*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1260	**0.49**		0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:58	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 13:58	1
Polychlorinated biphenyls, Total	**0.49**		0.40	0.12	ug/L		03/22/24 08:44	03/22/24 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:58*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*03/22/24 08:44*	*03/22/24 13:58*	*1*
Tetrachloro-m-xylene	*88*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:58*	*1*
Tetrachloro-m-xylene	*85*		*10 - 147*	*03/22/24 08:44*	*03/22/24 13:58*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.0**		2.0	1.2	ug/L		03/22/24 13:00	03/22/24 18:51	1
Barium	**267**		4.0	0.93	ug/L		03/22/24 13:00	03/22/24 18:51	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/22/24 13:00	03/22/24 18:51	1
Chromium	4.0	U	4.0	1.7	ug/L		03/22/24 13:00	03/22/24 18:51	1
Lead	**4.6**		1.2	0.42	ug/L		03/22/24 13:00	03/22/24 18:51	1
Selenium	2.5	U	2.5	0.43	ug/L		03/22/24 13:00	03/22/24 18:51	1
Silver	2.0	U	2.0	1.3	ug/L		03/22/24 13:00	03/22/24 18:51	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:13	1
Barium	**248**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:13	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:13	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:13	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:13	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:13	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:13	1

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4

Date Collected: 03/18/24 12:00
Matrix: Water
Date Received: 03/18/24 19:00

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:07	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:28	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-300484-1	MW-12	101	108	99	99
460-300484-2	MW-16R	100	110	98	99
460-300484-2 MS	MW-16R	101	110	98	104
460-300484-2 MSD	MW-16R	100	109	97	100
460-300484-3	MW-17R	101	108	99	98
460-300484-4	DUP_03182024	100	110	97	100
LCS 460-965386/4	Lab Control Sample	99	108	96	102
LCSD 460-965386/5	Lab Control Sample Dup	98	111	97	103
MB 460-965386/8	Method Blank	100	108	97	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-150)
460-300484-1	MW-12	103	100	55	109	38	68
460-300484-2	MW-16R	107	96	65	106	49	72
460-300484-2 MS	MW-16R	111	103	72	113	53	75
460-300484-2 MSD	MW-16R	116	106	75	115	57 *	82
460-300484-3	MW-17R	104	96	68	111	51	74
460-300484-4	DUP_03182024	108	95	68	106	52	70
LCS 460-965454/17-A	Lab Control Sample	105	89	52	109	39	80
LCSD 460-965454/18-A	Lab Control Sample Dup	102	89	54	109	40	79
MB 460-965454/1-A	Method Blank	87	82	70	90	55	57

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-147)	(10-147)
460-300484-1	MW-12	99	102	89	90
460-300484-2	MW-16R	76	8 *	73	6 *
460-300484-2 MS	MW-16R	66	6 *	70	5 *
460-300484-2 MSD	MW-16R	75	5 *	80	5 *
460-300484-3	MW-17R	106	107	90	92

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-147)	(10-147)
460-300484-4	DUP_03182024	99	100	85	88
LCS 460-965331/2-A	Lab Control Sample	90	88	89	87
LCSD 460-965331/3-A	Lab Control Sample Dup	88	86	86	81
MB 460-965331/1-A	Method Blank	82	75	84	81

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-965386/8
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 07:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 07:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 07:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 07:53	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 07:53	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 07:53	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 07:53	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 07:53	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 07:53	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 07:53	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 07:53	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 07:53	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 07:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/22/24 07:53	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 07:53	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 07:53	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 07:53	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 07:53	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 07:53	1
Benzene	1.0	U	1.0	0.20	ug/L			03/22/24 07:53	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 07:53	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 07:53	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 07:53	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 07:53	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/22/24 07:53	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 07:53	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 07:53	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 07:53	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 07:53	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 07:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 07:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 07:53	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 07:53	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 07:53	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 07:53	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 07:53	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 07:53	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 07:53	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 07:53	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 07:53	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 07:53	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 07:53	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 07:53	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 07:53	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 07:53	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 07:53	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 07:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 07:53	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-965386/8
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 07:53	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 07:53	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 07:53	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 07:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*03/22/24 07:53*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/22/24 07:53*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 132*		*03/22/24 07:53*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/22/24 07:53*	*1*

Lab Sample ID: LCS 460-965386/4
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	23.2		ug/L		116	72 - 128
1,1,2,2-Tetrachloroethane	20.0	21.2		ug/L		106	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.1		ug/L		111	51 - 142
1,1,2-Trichloroethane	20.0	22.0		ug/L		110	74 - 125
1,1-Dichloroethane	20.0	23.8		ug/L		119	73 - 130
1,1-Dichloroethene	20.0	22.7		ug/L		114	68 - 133
1,2,3-Trichlorobenzene	20.0	24.0		ug/L		120	52 - 120
1,2,4-Trichlorobenzene	20.0	24.1		ug/L		120	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	19.8		ug/L		99	58 - 132
1,2-Dichlorobenzene	20.0	22.7		ug/L		114	80 - 120
1,2-Dichloroethane	20.0	22.3		ug/L		112	66 - 129
1,2-Dichloropropane	20.0	23.3		ug/L		116	68 - 128
1,3-Dichlorobenzene	20.0	22.9		ug/L		115	80 - 120
1,4-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 120
1,4-Dioxane	400	607	*	ug/L		152	10 - 120
2-Butanone (MEK)	100	119		ug/L		119	61 - 142
2-Hexanone	100	113		ug/L		113	61 - 134
4-Methyl-2-pentanone (MIBK)	100	104		ug/L		104	69 - 139
Acetone	100	117		ug/L		117	49 - 149
Benzene	20.0	24.2		ug/L		121	71 - 126
Bromoform	20.0	21.4		ug/L		107	58 - 136
Bromomethane	20.0	18.7		ug/L		94	10 - 120
Carbon disulfide	20.0	23.5		ug/L		118	68 - 138
Carbon tetrachloride	20.0	22.8		ug/L		114	65 - 142
Chlorobenzene	20.0	23.0		ug/L		115	80 - 120
Chlorobromomethane	20.0	22.5		ug/L		112	76 - 134
Chlorodibromomethane	20.0	21.2		ug/L		106	69 - 130
Chloroethane	20.0	19.5		ug/L		97	48 - 150
Chloroform	20.0	22.4		ug/L		112	78 - 125
Chloromethane	20.0	19.0		ug/L		95	43 - 140
cis-1,2-Dichloroethene	20.0	22.5		ug/L		113	78 - 121
cis-1,3-Dichloropropene	20.0	23.3		ug/L		116	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-965386/4
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyclohexane			20.0	25.0		ug/L		125	60 - 142		
Dichlorobromomethane			20.0	21.2		ug/L		106	76 - 121		
Dichlorodifluoromethane			20.0	18.6		ug/L		93	27 - 120		
Ethylbenzene			20.0	23.6		ug/L		118	78 - 120		
Ethylene Dibromide			20.0	21.6		ug/L		108	79 - 126		
Isopropylbenzene			20.0	24.1		ug/L		120	79 - 125		
Methyl acetate			40.0	40.8		ug/L		102	43 - 120		
Methyl tert-butyl ether			20.0	21.1		ug/L		106	72 - 131		
Methylcyclohexane			20.0	23.5		ug/L		117	49 - 149		
Methylene Chloride			20.0	23.4		ug/L		117	74 - 127		
m-Xylene & p-Xylene			20.0	23.4		ug/L		117	78 - 120		
o-Xylene			20.0	23.3		ug/L		116	78 - 120		
Styrene			20.0	23.7		ug/L		118	82 - 127		
Tetrachloroethene			20.0	23.8		ug/L		119	70 - 127		
Toluene			20.0	22.0		ug/L		110	78 - 120		
trans-1,2-Dichloroethene			20.0	22.8		ug/L		114	74 - 126		
trans-1,3-Dichloropropene			20.0	22.6		ug/L		113	66 - 127		
Trichloroethene			20.0	22.9		ug/L		115	51 - 121		
Trichlorofluoromethane			20.0	19.6		ug/L		98	50 - 120		
Vinyl chloride			20.0	20.4		ug/L		102	55 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*96*		*77 - 132*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 460-965386/5
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	23.0		ug/L		115	72 - 128	1	30
1,1,2,2-Tetrachloroethane			20.0	21.4		ug/L		107	63 - 139	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	21.7		ug/L		108	51 - 142	2	30
1,1,2-Trichloroethane			20.0	22.0		ug/L		110	74 - 125	0	30
1,1-Dichloroethane			20.0	24.0		ug/L		120	73 - 130	1	30
1,1-Dichloroethene			20.0	22.4		ug/L		112	68 - 133	1	30
1,2,3-Trichlorobenzene			20.0	23.6		ug/L		118	52 - 120	1	30
1,2,4-Trichlorobenzene			20.0	23.9		ug/L		120	67 - 132	1	30
1,2-Dibromo-3-Chloropropane			20.0	19.7		ug/L		99	58 - 132	0	30
1,2-Dichlorobenzene			20.0	23.1		ug/L		115	80 - 120	1	30
1,2-Dichloroethane			20.0	22.8		ug/L		114	66 - 129	2	30
1,2-Dichloropropane			20.0	23.3		ug/L		116	68 - 128	0	30
1,3-Dichlorobenzene			20.0	23.5		ug/L		117	80 - 120	2	30
1,4-Dichlorobenzene			20.0	23.4		ug/L		117	80 - 120	1	30
1,4-Dioxane			400	623	*	ug/L		156	10 - 120	3	30
2-Butanone (MEK)			100	120		ug/L		120	61 - 142	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-965386/5
Matrix: Water
Analysis Batch: 965386

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			100	119		ug/L		119	61 - 134	5	30
4-Methyl-2-pentanone (MIBK)			100	108		ug/L		108	69 - 139	4	30
Acetone			100	114		ug/L		114	49 - 149	3	30
Benzene			20.0	24.1		ug/L		121	71 - 126	0	30
Bromoform			20.0	22.2		ug/L		111	58 - 136	4	30
Bromomethane			20.0	18.3		ug/L		92	10 - 120	2	30
Carbon disulfide			20.0	22.8		ug/L		114	68 - 138	3	30
Carbon tetrachloride			20.0	22.8		ug/L		114	65 - 142	0	30
Chlorobenzene			20.0	23.5		ug/L		117	80 - 120	2	30
Chlorobromomethane			20.0	22.4		ug/L		112	76 - 134	1	30
Chlorodibromomethane			20.0	22.3		ug/L		111	69 - 130	5	30
Chloroethane			20.0	18.3		ug/L		91	48 - 150	6	30
Chloroform			20.0	22.6		ug/L		113	78 - 125	1	30
Chloromethane			20.0	17.7		ug/L		89	43 - 140	7	30
cis-1,2-Dichloroethene			20.0	22.8		ug/L		114	78 - 121	1	30
cis-1,3-Dichloropropene			20.0	24.2		ug/L		121	74 - 125	4	30
Cyclohexane			20.0	24.2		ug/L		121	60 - 142	4	30
Dichlorobromomethane			20.0	21.6		ug/L		108	76 - 121	2	30
Dichlorodifluoromethane			20.0	18.0		ug/L		90	27 - 120	3	30
Ethylbenzene			20.0	23.7		ug/L		119	78 - 120	1	30
Ethylene Dibromide			20.0	22.4		ug/L		112	79 - 126	3	30
Isopropylbenzene			20.0	24.1		ug/L		120	79 - 125	0	30
Methyl acetate			40.0	41.7		ug/L		104	43 - 120	2	30
Methyl tert-butyl ether			20.0	21.7		ug/L		108	72 - 131	3	30
Methylcyclohexane			20.0	23.2		ug/L		116	49 - 149	1	30
Methylene Chloride			20.0	23.0		ug/L		115	74 - 127	2	30
m-Xylene & p-Xylene			20.0	23.6		ug/L		118	78 - 120	1	30
o-Xylene			20.0	23.8		ug/L		119	78 - 120	2	30
Styrene			20.0	24.0		ug/L		120	82 - 127	1	30
Tetrachloroethene			20.0	24.2		ug/L		121	70 - 127	2	30
Toluene			20.0	22.4		ug/L		112	78 - 120	2	30
trans-1,2-Dichloroethene			20.0	22.9		ug/L		114	74 - 126	0	30
trans-1,3-Dichloropropene			20.0	23.9		ug/L		120	66 - 127	6	30
Trichloroethene			20.0	23.6		ug/L		118	51 - 121	3	30
Trichlorofluoromethane			20.0	20.3		ug/L		101	50 - 120	3	30
Vinyl chloride			20.0	19.5		ug/L		98	55 - 144	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 128*
4-Bromofluorobenzene	*111*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965386

Client Sample ID: MW-16R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	2.0	U	40.0	42.9		ug/L		107	72 - 128
1,1,2,2-Tetrachloroethane	2.0	U	40.0	42.5		ug/L		106	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	40.0	44.2		ug/L		111	51 - 142
1,1,2-Trichloroethane	2.0	U	40.0	43.3		ug/L		108	74 - 125
1,1-Dichloroethane	2.0	U	40.0	44.3		ug/L		111	73 - 130
1,1-Dichloroethene	2.0	U	40.0	42.4		ug/L		106	68 - 133
1,2,3-Trichlorobenzene	2.0	U	40.0	46.4		ug/L		116	52 - 120
1,2,4-Trichlorobenzene	2.0	U	40.0	47.2		ug/L		118	67 - 132
1,2-Dibromo-3-Chloropropane	2.0	U	40.0	41.4		ug/L		104	58 - 132
1,2-Dichlorobenzene	2.0	U	40.0	43.2		ug/L		108	80 - 120
1,2-Dichloroethane	2.0	U	40.0	43.2		ug/L		108	66 - 129
1,2-Dichloropropane	2.0	U	40.0	43.0		ug/L		107	68 - 128
1,3-Dichlorobenzene	10		40.0	52.4		ug/L		105	80 - 120
1,4-Dichlorobenzene	290		40.0	285	*	ug/L		-3	80 - 120
1,4-Dioxane	100	U *	800	1010	*	ug/L		126	10 - 120
2-Butanone (MEK)	10	U	200	205		ug/L		103	61 - 142
2-Hexanone	10	U	200	205		ug/L		102	61 - 134
4-Methyl-2-pentanone (MIBK)	10	U	200	194		ug/L		97	69 - 139
Acetone	10	U	200	175		ug/L		87	49 - 149
Benzene	11		40.0	55.0		ug/L		110	71 - 126
Bromoform	2.0	U	40.0	35.7		ug/L		89	58 - 136
Bromomethane	2.0	U	40.0	33.3		ug/L		83	10 - 120
Carbon disulfide	2.0	U	40.0	41.6		ug/L		104	68 - 138
Carbon tetrachloride	2.0	U	40.0	43.9		ug/L		110	65 - 142
Chlorobenzene	760		40.0	697	*	ug/L		-168	80 - 120
Chlorobromomethane	2.0	U	40.0	42.9		ug/L		107	76 - 134
Chlorodibromomethane	2.0	U	40.0	38.5		ug/L		96	69 - 130
Chloroethane	2.0	U	40.0	35.3		ug/L		88	48 - 150
Chloroform	2.0	U	40.0	42.5		ug/L		106	78 - 125
Chloromethane	2.0	U	40.0	31.7		ug/L		79	43 - 140
cis-1,2-Dichloroethene	2.0	U	40.0	42.8		ug/L		107	78 - 121
cis-1,3-Dichloropropene	2.0	U	40.0	44.7		ug/L		112	74 - 125
Cyclohexane	2.0	U	40.0	48.8		ug/L		122	60 - 142
Dichlorobromomethane	2.0	U	40.0	40.2		ug/L		101	76 - 121
Dichlorodifluoromethane	2.0	U	40.0	36.6		ug/L		91	27 - 120
Ethylbenzene	2.0	U	40.0	45.0		ug/L		112	78 - 120
Ethylene Dibromide	2.0	U	40.0	42.2		ug/L		106	79 - 126
Isopropylbenzene	2.0	U	40.0	46.2		ug/L		115	79 - 125
Methyl acetate	10	U	80.0	79.4		ug/L		99	43 - 120
Methyl tert-butyl ether	2.0	U	40.0	41.7		ug/L		104	72 - 131
Methylcyclohexane	2.0	U	40.0	46.8		ug/L		117	49 - 149
Methylene Chloride	2.0	U	40.0	43.9		ug/L		110	74 - 127
m-Xylene & p-Xylene	2.0	U	40.0	44.7		ug/L		112	78 - 120
o-Xylene	2.0	U	40.0	44.8		ug/L		112	78 - 120
Styrene	2.0	U	40.0	43.2		ug/L		108	82 - 127
Tetrachloroethene	2.0	U	40.0	46.7		ug/L		117	70 - 127
Toluene	2.0	U	40.0	42.6		ug/L		107	78 - 120
trans-1,2-Dichloroethene	2.0	U	40.0	43.3		ug/L		108	74 - 126

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965386

Client Sample ID: MW-16R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
trans-1,3-Dichloropropene	2.0	U	40.0	44.1		ug/L		110	66 - 127
Trichloroethene	2.0	U	40.0	42.4		ug/L		106	51 - 121
Trichlorofluoromethane	2.0	U	40.0	36.5		ug/L		91	50 - 120
Vinyl chloride	2.0	U	40.0	35.7		ug/L		89	55 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*110*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 132*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965386

Client Sample ID: MW-16R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	2.0	U	40.0	43.9		ug/L		110	72 - 128	2	30
1,1,2,2-Tetrachloroethane	2.0	U	40.0	42.8		ug/L		107	63 - 139	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	40.0	44.2		ug/L		110	51 - 142	0	30
1,1,2-Trichloroethane	2.0	U	40.0	42.0		ug/L		105	74 - 125	3	30
1,1-Dichloroethane	2.0	U	40.0	44.8		ug/L		112	73 - 130	1	30
1,1-Dichloroethene	2.0	U	40.0	44.0		ug/L		110	68 - 133	4	30
1,2,3-Trichlorobenzene	2.0	U	40.0	47.4		ug/L		118	52 - 120	2	30
1,2,4-Trichlorobenzene	2.0	U	40.0	47.8		ug/L		120	67 - 132	1	30
1,2-Dibromo-3-Chloropropane	2.0	U	40.0	43.2		ug/L		108	58 - 132	4	30
1,2-Dichlorobenzene	2.0	U	40.0	43.6		ug/L		109	80 - 120	1	30
1,2-Dichloroethane	2.0	U	40.0	44.0		ug/L		110	66 - 129	2	30
1,2-Dichloropropane	2.0	U	40.0	44.1		ug/L		110	68 - 128	3	30
1,3-Dichlorobenzene	10		40.0	53.5		ug/L		108	80 - 120	2	30
1,4-Dichlorobenzene	290		40.0	290	*	ug/L		9	80 - 120	2	30
1,4-Dioxane	100	U *	800	1150	*	ug/L		144	10 - 120	13	30
2-Butanone (MEK)	10	U	200	208		ug/L		104	61 - 142	1	30
2-Hexanone	10	U	200	217		ug/L		109	61 - 134	6	30
4-Methyl-2-pentanone (MIBK)	10	U	200	204		ug/L		102	69 - 139	5	30
Acetone	10	U	200	176		ug/L		88	49 - 149	0	30
Benzene	11		40.0	54.6		ug/L		109	71 - 126	1	30
Bromoform	2.0	U	40.0	36.3		ug/L		91	58 - 136	2	30
Bromomethane	2.0	U	40.0	34.0		ug/L		85	10 - 120	2	30
Carbon disulfide	2.0	U	40.0	42.0		ug/L		105	68 - 138	1	30
Carbon tetrachloride	2.0	U	40.0	43.4		ug/L		109	65 - 142	1	30
Chlorobenzene	760		40.0	692	*	ug/L		-179	80 - 120	1	30
Chlorobromomethane	2.0	U	40.0	43.9		ug/L		110	76 - 134	2	30
Chlorodibromomethane	2.0	U	40.0	37.5		ug/L		94	69 - 130	2	30
Chloroethane	2.0	U	40.0	34.4		ug/L		86	48 - 150	3	30
Chloroform	2.0	U	40.0	42.3		ug/L		106	78 - 125	1	30
Chloromethane	2.0	U	40.0	32.4		ug/L		81	43 - 140	2	30
cis-1,2-Dichloroethene	2.0	U	40.0	43.2		ug/L		108	78 - 121	1	30
cis-1,3-Dichloropropene	2.0	U	40.0	44.2		ug/L		111	74 - 125	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965386

Client Sample ID: MW-16R
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyclohexane	2.0	U	40.0	49.4		ug/L		124	60 - 142	1	30
Dichlorobromomethane	2.0	U	40.0	39.8		ug/L		99	76 - 121	1	30
Dichlorodifluoromethane	2.0	U	40.0	35.2		ug/L		88	27 - 120	4	30
Ethylbenzene	2.0	U	40.0	45.5		ug/L		114	78 - 120	1	30
Ethylene Dibromide	2.0	U	40.0	42.2		ug/L		105	79 - 126	0	30
Isopropylbenzene	2.0	U	40.0	45.1		ug/L		113	79 - 125	2	30
Methyl acetate	10	U	80.0	79.8		ug/L		100	43 - 120	1	30
Methyl tert-butyl ether	2.0	U	40.0	41.9		ug/L		105	72 - 131	0	30
Methylcyclohexane	2.0	U	40.0	47.6		ug/L		119	49 - 149	2	30
Methylene Chloride	2.0	U	40.0	44.4		ug/L		111	74 - 127	1	30
m-Xylene & p-Xylene	2.0	U	40.0	44.2		ug/L		111	78 - 120	1	30
o-Xylene	2.0	U	40.0	44.2		ug/L		110	78 - 120	1	30
Styrene	2.0	U	40.0	42.6		ug/L		107	82 - 127	1	30
Tetrachloroethene	2.0	U	40.0	45.3		ug/L		113	70 - 127	3	30
Toluene	2.0	U	40.0	42.0		ug/L		105	78 - 120	1	30
trans-1,2-Dichloroethene	2.0	U	40.0	42.9		ug/L		107	74 - 126	1	30
trans-1,3-Dichloropropene	2.0	U	40.0	42.8		ug/L		107	66 - 127	3	30
Trichloroethene	2.0	U	40.0	43.3		ug/L		108	51 - 121	2	30
Trichlorofluoromethane	2.0	U	40.0	39.8		ug/L		100	50 - 120	9	30
Vinyl chloride	2.0	U	40.0	36.8		ug/L		92	55 - 144	3	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*97*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-965454/1-A
Matrix: Water
Analysis Batch: 965372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 13:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-965454/1-A
Matrix: Water
Analysis Batch: 965372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 13:30	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 13:30	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 13:30	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 13:30	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 13:30	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 13:30	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 13:30	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 13:30	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 13:30	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 13:30	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 13:30	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 13:30	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 13:30	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 13:30	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 13:30	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 13:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-965454/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 13:30	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*37 - 150*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
2-Fluorobiphenyl	*82*		*46 - 139*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
2-Fluorophenol (Surr)	*70*		*16 - 80*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Nitrobenzene-d5 (Surr)	*90*		*51 - 145*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Phenol-d5 (Surr)	*55*		*10 - 56*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Terphenyl-d14 (Surr)	*57*		*13 - 150*	*03/22/24 09:13*	*03/22/24 13:30*	*1*

Lab Sample ID: LCS 460-965454/17-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	68.2		ug/L		85	53 - 131
1,2,4,5-Tetrachlorobenzene	80.0	57.9		ug/L		72	46 - 136
2,2'-oxybis[1-chloropropane]	80.0	77.2		ug/L		96	19 - 132
2,3,4,6-Tetrachlorophenol	80.0	78.4		ug/L		98	66 - 143
2,4,5-Trichlorophenol	80.0	73.1		ug/L		91	67 - 131
2,4,6-Trichlorophenol	80.0	77.3		ug/L		97	68 - 134
2,4-Dichlorophenol	80.0	71.6		ug/L		90	65 - 120
2,4-Dimethylphenol	80.0	50.6		ug/L		63	58 - 120
2,4-Dinitrophenol	160	150		ug/L		94	39 - 120
2,4-Dinitrotoluene	80.0	105		ug/L		132	68 - 146
2,6-Dinitrotoluene	80.0	91.1		ug/L		114	74 - 141
2-Chloronaphthalene	80.0	64.6		ug/L		81	52 - 131
2-Chlorophenol	80.0	62.5		ug/L		78	53 - 120
2-Methylnaphthalene	80.0	60.9		ug/L		76	44 - 120
2-Methylphenol	80.0	56.6		ug/L		71	44 - 120
2-Nitroaniline	80.0	93.3		ug/L		117	44 - 148
2-Nitrophenol	80.0	75.3		ug/L		94	60 - 125
3,3'-Dichlorobenzidine	80.0	89.6		ug/L		112	56 - 137
3-Nitroaniline	80.0	69.6		ug/L		87	54 - 120
4,6-Dinitro-2-methylphenol	160	164		ug/L		103	64 - 150
4-Bromophenyl phenyl ether	80.0	78.8		ug/L		98	62 - 136
4-Chloro-3-methylphenol	80.0	69.1		ug/L		86	61 - 120
4-Chloroaniline	80.0	64.8		ug/L		81	51 - 127
4-Chlorophenyl phenyl ether	80.0	83.7		ug/L		105	59 - 135
4-Methylphenol	80.0	50.4		ug/L		63	37 - 120
4-Nitroaniline	80.0	85.6		ug/L		107	52 - 141
4-Nitrophenol	160	80.8		ug/L		51	10 - 120
Acenaphthene	80.0	83.5		ug/L		104	57 - 132
Acenaphthylene	80.0	73.9		ug/L		92	54 - 120
Acetophenone	80.0	89.7		ug/L		112	62 - 120
Anthracene	80.0	89.6		ug/L		112	65 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-965454/17-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	40.0	53.0		ug/L		132	10 - 150
Benzaldehyde	40.0	47.0		ug/L		118	10 - 150
Benzo[a]anthracene	80.0	92.4		ug/L		116	67 - 132
Benzo[a]pyrene	80.0	91.6		ug/L		114	60 - 126
Benzo[b]fluoranthene	80.0	89.2		ug/L		112	66 - 136
Benzo[g,h,i]perylene	80.0	81.6		ug/L		102	59 - 150
Benzo[k]fluoranthene	80.0	89.3		ug/L		112	64 - 135
Bis(2-chloroethoxy)methane	80.0	80.1		ug/L		100	60 - 120
Bis(2-chloroethyl)ether	80.0	79.1		ug/L		99	55 - 120
Bis(2-ethylhexyl) phthalate	80.0	107		ug/L		134	60 - 150
Butyl benzyl phthalate	80.0	101		ug/L		126	63 - 147
Caprolactam	40.0	11.2		ug/L		28	10 - 120
Carbazole	80.0	92.7		ug/L		116	65 - 129
Chrysene	80.0	89.4		ug/L		112	63 - 127
Dibenz(a,h)anthracene	80.0	85.2		ug/L		107	62 - 150
Dibenzofuran	80.0	82.5		ug/L		103	58 - 132
Diethyl phthalate	80.0	87.8		ug/L		110	70 - 129
Dimethyl phthalate	80.0	88.7		ug/L		111	72 - 131
Di-n-butyl phthalate	80.0	99.2		ug/L		124	66 - 133
Di-n-octyl phthalate	80.0	104		ug/L		130	36 - 150
Fluoranthene	80.0	94.3		ug/L		118	65 - 130
Fluorene	80.0	88.0		ug/L		110	63 - 133
Hexachlorobenzene	80.0	84.1		ug/L		105	61 - 142
Hexachlorobutadiene	80.0	37.6		ug/L		47	21 - 120
Hexachlorocyclopentadiene	80.0	21.2		ug/L		26	14 - 135
Hexachloroethane	80.0	37.3		ug/L		47	16 - 120
Indeno[1,2,3-cd]pyrene	80.0	95.4		ug/L		119	65 - 150
Isophorone	80.0	89.6		ug/L		112	61 - 121
Naphthalene	80.0	58.3		ug/L		73	43 - 120
Nitrobenzene	80.0	88.1		ug/L		110	64 - 120
N-Nitrosodi-n-propylamine	80.0	91.9		ug/L		115	53 - 120
N-Nitrosodiphenylamine	80.0	84.1		ug/L		105	63 - 120
Pentachlorophenol	160	171		ug/L		107	51 - 150
Phenanthrene	80.0	87.6		ug/L		110	65 - 120
Phenol	80.0	32.2		ug/L		40	17 - 120
Pyrene	80.0	91.9		ug/L		115	56 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*52*		*16 - 80*
Nitrobenzene-d5 (Surr)	*109*		*51 - 145*
Phenol-d5 (Surr)	*39*		*10 - 56*
Terphenyl-d14 (Surr)	*80*		*13 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-965454/18-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	68.1		ug/L		85	53 - 131	0	30
1,2,4,5-Tetrachlorobenzene	80.0	57.6		ug/L		72	46 - 136	1	30
2,2'-oxybis[1-chloropropane]	80.0	79.8		ug/L		100	19 - 132	3	30
2,3,4,6-Tetrachlorophenol	80.0	77.2		ug/L		97	66 - 143	2	30
2,4,5-Trichlorophenol	80.0	72.7		ug/L		91	67 - 131	1	30
2,4,6-Trichlorophenol	80.0	77.3		ug/L		97	68 - 134	0	30
2,4-Dichlorophenol	80.0	71.7		ug/L		90	65 - 120	0	30
2,4-Dimethylphenol	80.0	51.3		ug/L		64	58 - 120	1	30
2,4-Dinitrophenol	160	153		ug/L		96	39 - 120	2	30
2,4-Dinitrotoluene	80.0	105		ug/L		131	68 - 146	1	30
2,6-Dinitrotoluene	80.0	92.4		ug/L		116	74 - 141	1	30
2-Chloronaphthalene	80.0	65.1		ug/L		81	52 - 131	1	30
2-Chlorophenol	80.0	62.0		ug/L		77	53 - 120	1	30
2-Methylnaphthalene	80.0	59.6		ug/L		74	44 - 120	2	30
2-Methylphenol	80.0	58.4		ug/L		73	44 - 120	3	30
2-Nitroaniline	80.0	96.5		ug/L		121	44 - 148	3	30
2-Nitrophenol	80.0	76.0		ug/L		95	60 - 125	1	30
3,3'-Dichlorobenzidine	80.0	88.7		ug/L		111	56 - 137	1	30
3-Nitroaniline	80.0	69.4		ug/L		87	54 - 120	0	30
4,6-Dinitro-2-methylphenol	160	164		ug/L		102	64 - 150	0	30
4-Bromophenyl phenyl ether	80.0	76.2		ug/L		95	62 - 136	3	30
4-Chloro-3-methylphenol	80.0	69.0		ug/L		86	61 - 120	0	30
4-Chloroaniline	80.0	65.3		ug/L		82	51 - 127	1	30
4-Chlorophenyl phenyl ether	80.0	83.6		ug/L		105	59 - 135	0	30
4-Methylphenol	80.0	51.0		ug/L		64	37 - 120	1	30
4-Nitroaniline	80.0	87.0		ug/L		109	52 - 141	2	30
4-Nitrophenol	160	83.0		ug/L		52	10 - 120	3	30
Acenaphthene	80.0	82.6		ug/L		103	57 - 132	1	30
Acenaphthylene	80.0	73.7		ug/L		92	54 - 120	0	30
Acetophenone	80.0	91.8		ug/L		115	62 - 120	2	30
Anthracene	80.0	87.9		ug/L		110	65 - 120	2	30
Atrazine	40.0	52.4		ug/L		131	10 - 150	1	30
Benzaldehyde	40.0	48.7		ug/L		122	10 - 150	4	30
Benzo[a]anthracene	80.0	92.2		ug/L		115	67 - 132	0	30
Benzo[a]pyrene	80.0	91.5		ug/L		114	60 - 126	0	30
Benzo[b]fluoranthene	80.0	88.2		ug/L		110	66 - 136	1	30
Benzo[g,h,i]perylene	80.0	81.0		ug/L		101	59 - 150	1	30
Benzo[k]fluoranthene	80.0	89.6		ug/L		112	64 - 135	0	30
Bis(2-chloroethoxy)methane	80.0	80.6		ug/L		101	60 - 120	1	30
Bis(2-chloroethyl)ether	80.0	80.7		ug/L		101	55 - 120	2	30
Bis(2-ethylhexyl) phthalate	80.0	109		ug/L		136	60 - 150	2	30
Butyl benzyl phthalate	80.0	103		ug/L		128	63 - 147	2	30
Caprolactam	40.0	11.2		ug/L		28	10 - 120	0	30
Carbazole	80.0	91.8		ug/L		115	65 - 129	1	30
Chrysene	80.0	90.6		ug/L		113	63 - 127	1	30
Dibenz(a,h)anthracene	80.0	86.7		ug/L		108	62 - 150	2	30
Dibenzofuran	80.0	82.8		ug/L		104	58 - 132	0	30
Diethyl phthalate	80.0	88.9		ug/L		111	70 - 129	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-965454/18-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethyl phthalate			80.0	89.3		ug/L		112	72 - 131	1	30
Di-n-butyl phthalate			80.0	98.5		ug/L		123	66 - 133	1	30
Di-n-octyl phthalate			80.0	105		ug/L		131	36 - 150	1	30
Fluoranthene			80.0	92.9		ug/L		116	65 - 130	2	30
Fluorene			80.0	87.2		ug/L		109	63 - 133	1	30
Hexachlorobenzene			80.0	81.4		ug/L		102	61 - 142	3	30
Hexachlorobutadiene			80.0	38.2		ug/L		48	21 - 120	2	30
Hexachlorocyclopentadiene			80.0	20.8		ug/L		26	14 - 135	2	30
Hexachloroethane			80.0	37.9		ug/L		47	16 - 120	2	30
Indeno[1,2,3-cd]pyrene			80.0	94.5		ug/L		118	65 - 150	1	30
Isophorone			80.0	88.5		ug/L		111	61 - 121	1	30
Naphthalene			80.0	58.0		ug/L		72	43 - 120	1	30
Nitrobenzene			80.0	88.0		ug/L		110	64 - 120	0	30
N-Nitrosodi-n-propylamine			80.0	93.0		ug/L		116	53 - 120	1	30
N-Nitrosodiphenylamine			80.0	82.9		ug/L		104	63 - 120	2	30
Pentachlorophenol			160	168		ug/L		105	51 - 150	2	30
Phenanthrene			80.0	88.0		ug/L		110	65 - 120	0	30
Phenol			80.0	32.7		ug/L		41	17 - 120	2	30
Pyrene			80.0	92.3		ug/L		115	56 - 144	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*54*		*16 - 80*
Nitrobenzene-d5 (Surr)	*109*		*51 - 145*
Phenol-d5 (Surr)	*40*		*10 - 56*
Terphenyl-d14 (Surr)	*79*		*13 - 150*

Lab Sample ID: 460-300484-2 MS
Client Sample ID: MW-16R
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	10	U	40.0	46.0		ug/L		115	53 - 131
1,2,4,5-Tetrachlorobenzene	10	U	40.0	42.5		ug/L		106	46 - 136
2,2'-oxybis[1-chloropropane]	10	U	40.0	45.9		ug/L		115	19 - 132
2,3,4,6-Tetrachlorophenol	10	U	40.0	48.9		ug/L		122	66 - 143
2,4,5-Trichlorophenol	10	U	40.0	46.4		ug/L		116	67 - 131
2,4,6-Trichlorophenol	10	U	40.0	49.4		ug/L		124	68 - 134
2,4-Dichlorophenol	1.2	J	40.0	47.9		ug/L		117	65 - 120
2,4-Dimethylphenol	10	U	40.0	32.0		ug/L		80	58 - 120
2,4-Dinitrophenol	40	U	80.0	107	*	ug/L		133	39 - 120
2,4-Dinitrotoluene	10	U	40.0	59.0	*	ug/L		147	68 - 146
2,6-Dinitrotoluene	2.0	U	40.0	51.7		ug/L		129	74 - 141
2-Chloronaphthalene	10	U	40.0	43.8		ug/L		109	52 - 131
2-Chlorophenol	9.4	J	40.0	48.6		ug/L		98	53 - 120
2-Methylnaphthalene	10	U	40.0	45.5		ug/L		114	44 - 120
2-Methylphenol	10	U	40.0	39.2		ug/L		98	44 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-2 MS
Client Sample ID: MW-16R
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	10	U	40.0	56.4		ug/L		141	44 - 148
2-Nitrophenol	10	U	40.0	48.0		ug/L		120	60 - 125
3,3'-Dichlorobenzidine	10	U	40.0	10	U *	ug/L		0	56 - 137
3-Nitroaniline	10	U	40.0	29.6		ug/L		74	54 - 120
4,6-Dinitro-2-methylphenol	20	U	80.0	106		ug/L		133	64 - 150
4-Bromophenyl phenyl ether	10	U	40.0	43.5		ug/L		109	62 - 136
4-Chloro-3-methylphenol	10	U	40.0	46.6		ug/L		116	61 - 120
4-Chloroaniline	10	U	40.0	5.53	J *	ug/L		14	51 - 127
4-Chlorophenyl phenyl ether	10	U	40.0	47.2		ug/L		118	59 - 135
4-Methylphenol	10	U	40.0	35.8		ug/L		89	37 - 120
4-Nitroaniline	10	U	40.0	47.7		ug/L		119	52 - 141
4-Nitrophenol	20	U	80.0	68.1		ug/L		85	10 - 120
Acenaphthene	10	U	40.0	50.6		ug/L		127	57 - 132
Acenaphthylene	10	U	40.0	45.1		ug/L		113	54 - 120
Acetophenone	10	U	40.0	48.4	*	ug/L		121	62 - 120
Anthracene	10	U	40.0	49.0	*	ug/L		123	65 - 120
Atrazine	2.0	U	40.0	75.4	E *	ug/L		188	10 - 150
Benzaldehyde	10	U	40.0	74.4	E *	ug/L		186	10 - 150
Benzo[a]anthracene	1.0	U	40.0	51.2		ug/L		128	67 - 132
Benzo[a]pyrene	1.0	U	40.0	51.3	*	ug/L		128	60 - 126
Benzo[b]fluoranthene	2.0	U	40.0	48.9		ug/L		122	66 - 136
Benzo[g,h,i]perylene	10	U	40.0	44.2		ug/L		110	59 - 150
Benzo[k]fluoranthene	1.0	U	40.0	49.0		ug/L		122	64 - 135
Bis(2-chloroethoxy)methane	10	U	40.0	46.1		ug/L		115	60 - 120
Bis(2-chloroethyl)ether	1.0	U	40.0	44.9		ug/L		112	55 - 120
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	64.6	*	ug/L		161	60 - 150
Butyl benzyl phthalate	10	U	40.0	59.4	*	ug/L		148	63 - 147
Caprolactam	10	U	40.0	20.1		ug/L		50	10 - 120
Carbazole	10	U	40.0	50.1		ug/L		125	65 - 129
Chrysene	2.0	U	40.0	50.9		ug/L		127	63 - 127
Dibenz(a,h)anthracene	1.0	U	40.0	45.8		ug/L		115	62 - 150
Dibenzofuran	10	U	40.0	48.9		ug/L		122	58 - 132
Diethyl phthalate	10	U	40.0	50.2		ug/L		126	70 - 129
Dimethyl phthalate	10	U	40.0	50.5		ug/L		126	72 - 131
Di-n-butyl phthalate	10	U	40.0	55.1	*	ug/L		138	66 - 133
Di-n-octyl phthalate	10	U	40.0	61.3	*	ug/L		153	36 - 150
Fluoranthene	10	U	40.0	52.4	*	ug/L		131	65 - 130
Fluorene	10	U	40.0	50.0		ug/L		125	63 - 133
Hexachlorobenzene	1.0	U	40.0	46.5		ug/L		116	61 - 142
Hexachlorobutadiene	1.0	U	40.0	33.3		ug/L		83	21 - 120
Hexachlorocyclopentadiene	10	U	40.0	23.0		ug/L		58	14 - 135
Hexachloroethane	2.0	U	40.0	31.6		ug/L		79	16 - 120
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	51.5		ug/L		129	65 - 150
Isophorone	10	U	40.0	50.5	*	ug/L		126	61 - 121
Naphthalene	8.0		40.0	46.3		ug/L		96	43 - 120
Nitrobenzene	1.0	U	40.0	48.7	*	ug/L		122	64 - 120
N-Nitrosodi-n-propylamine	1.0	U	40.0	50.5	*	ug/L		126	53 - 120
N-Nitrosodiphenylamine	10	U	40.0	46.9		ug/L		117	63 - 120
Pentachlorophenol	20	U	80.0	106		ug/L		133	51 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965372

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	10	U	40.0	49.0	*	ug/L		123	65 - 120
Phenol	10	U	40.0	23.2		ug/L		58	17 - 120
Pyrene	10	U	40.0	52.3		ug/L		131	56 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*37 - 150*
2-Fluorobiphenyl	*103*		*46 - 139*
2-Fluorophenol (Surr)	*72*		*16 - 80*
Nitrobenzene-d5 (Surr)	*113*		*51 - 145*
Phenol-d5 (Surr)	*53*		*10 - 56*
Terphenyl-d14 (Surr)	*75*		*13 - 150*

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965372

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	10	U	40.0	44.7		ug/L		112	53 - 131	3	30
1,2,4,5-Tetrachlorobenzene	10	U	40.0	40.8		ug/L		102	46 - 136	4	30
2,2'-oxybis[1-chloropropane]	10	U	40.0	44.7		ug/L		112	19 - 132	3	30
2,3,4,6-Tetrachlorophenol	10	U	40.0	47.6		ug/L		119	66 - 143	3	30
2,4,5-Trichlorophenol	10	U	40.0	44.9		ug/L		112	67 - 131	3	30
2,4,6-Trichlorophenol	10	U	40.0	47.0		ug/L		118	68 - 134	5	30
2,4-Dichlorophenol	1.2	J	40.0	46.8		ug/L		114	65 - 120	2	30
2,4-Dimethylphenol	10	U	40.0	31.7		ug/L		79	58 - 120	1	30
2,4-Dinitrophenol	40	U	80.0	100	*	ug/L		125	39 - 120	6	30
2,4-Dinitrotoluene	10	U	40.0	57.2		ug/L		143	68 - 146	3	30
2,6-Dinitrotoluene	2.0	U	40.0	51.4		ug/L		129	74 - 141	1	30
2-Chloronaphthalene	10	U	40.0	42.4		ug/L		106	52 - 131	3	30
2-Chlorophenol	9.4	J	40.0	49.9		ug/L		101	53 - 120	3	30
2-Methylnaphthalene	10	U	40.0	45.0		ug/L		112	44 - 120	1	30
2-Methylphenol	10	U	40.0	39.4		ug/L		99	44 - 120	1	30
2-Nitroaniline	10	U	40.0	52.5		ug/L		131	44 - 148	7	30
2-Nitrophenol	10	U	40.0	45.5		ug/L		114	60 - 125	5	30
3,3'-Dichlorobenzidine	10	U	40.0	10	U *	ug/L		0	56 - 137	NC	30
3-Nitroaniline	10	U	40.0	35.5		ug/L		89	54 - 120	18	30
4,6-Dinitro-2-methylphenol	20	U	80.0	102		ug/L		127	64 - 150	4	30
4-Bromophenyl phenyl ether	10	U	40.0	42.3		ug/L		106	62 - 136	3	30
4-Chloro-3-methylphenol	10	U	40.0	46.4		ug/L		116	61 - 120	0	30
4-Chloroaniline	10	U	40.0	11.3	*	ug/L		28	51 - 127	68	30
4-Chlorophenyl phenyl ether	10	U	40.0	45.4		ug/L		113	59 - 135	4	30
4-Methylphenol	10	U	40.0	36.4		ug/L		91	37 - 120	2	30
4-Nitroaniline	10	U	40.0	43.7		ug/L		109	52 - 141	9	30
4-Nitrophenol	20	U	80.0	66.2		ug/L		83	10 - 120	3	30
Acenaphthene	10	U	40.0	48.6		ug/L		122	57 - 132	4	30
Acenaphthylene	10	U	40.0	43.8		ug/L		109	54 - 120	3	30
Acetophenone	10	U	40.0	47.6		ug/L		119	62 - 120	2	30
Anthracene	10	U	40.0	48.2		ug/L		120	65 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-2 MSD
Client Sample ID: MW-16R
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine	2.0	U	40.0	58.6	E	ug/L		147	10 - 150	25	30
Benzaldehyde	10	U	40.0	59.1	E	ug/L		148	10 - 150	23	30
Benzo[a]anthracene	1.0	U	40.0	49.3		ug/L		123	67 - 132	4	30
Benzo[a]pyrene	1.0	U	40.0	49.6		ug/L		124	60 - 126	3	30
Benzo[b]fluoranthene	2.0	U	40.0	47.4		ug/L		119	66 - 136	3	30
Benzo[g,h,i]perylene	10	U	40.0	42.4		ug/L		106	59 - 150	4	30
Benzo[k]fluoranthene	1.0	U	40.0	47.0		ug/L		117	64 - 135	4	30
Bis(2-chloroethoxy)methane	10	U	40.0	44.9		ug/L		112	60 - 120	3	30
Bis(2-chloroethyl)ether	1.0	U	40.0	45.0		ug/L		112	55 - 120	0	30
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	62.1	*	ug/L		155	60 - 150	4	30
Butyl benzyl phthalate	10	U	40.0	58.3		ug/L		146	63 - 147	2	30
Caprolactam	10	U	40.0	16.2		ug/L		41	10 - 120	21	30
Carbazole	10	U	40.0	48.8		ug/L		122	65 - 129	3	30
Chrysene	2.0	U	40.0	49.8		ug/L		125	63 - 127	2	30
Dibenz(a,h)anthracene	1.0	U	40.0	44.3		ug/L		111	62 - 150	3	30
Dibenzofuran	10	U	40.0	47.7		ug/L		119	58 - 132	3	30
Diethyl phthalate	10	U	40.0	48.9		ug/L		122	70 - 129	3	30
Dimethyl phthalate	10	U	40.0	48.4		ug/L		121	72 - 131	4	30
Di-n-butyl phthalate	10	U	40.0	53.5	*	ug/L		134	66 - 133	3	30
Di-n-octyl phthalate	10	U	40.0	58.9		ug/L		147	36 - 150	4	30
Fluoranthene	10	U	40.0	50.2		ug/L		125	65 - 130	4	30
Fluorene	10	U	40.0	48.0		ug/L		120	63 - 133	4	30
Hexachlorobenzene	1.0	U	40.0	44.9		ug/L		112	61 - 142	4	30
Hexachlorobutadiene	1.0	U	40.0	33.4		ug/L		83	21 - 120	0	30
Hexachlorocyclopentadiene	10	U	40.0	23.2		ug/L		58	14 - 135	1	30
Hexachloroethane	2.0	U	40.0	31.7		ug/L		79	16 - 120	0	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	49.6		ug/L		124	65 - 150	4	30
Isophorone	10	U	40.0	50.2	*	ug/L		126	61 - 121	1	30
Naphthalene	8.0		40.0	49.2		ug/L		103	43 - 120	6	30
Nitrobenzene	1.0	U	40.0	47.5		ug/L		119	64 - 120	3	30
N-Nitrosodi-n-propylamine	1.0	U	40.0	48.8	*	ug/L		122	53 - 120	3	30
N-Nitrosodiphenylamine	10	U	40.0	45.8		ug/L		115	63 - 120	2	30
Pentachlorophenol	20	U	80.0	102		ug/L		128	51 - 150	4	30
Phenanthrene	10	U	40.0	47.9		ug/L		120	65 - 120	2	30
Phenol	10	U	40.0	23.3		ug/L		58	17 - 120	1	30
Pyrene	10	U	40.0	51.2		ug/L		128	56 - 144	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*116*		*37 - 150*
2-Fluorobiphenyl	*106*		*46 - 139*
2-Fluorophenol (Surr)	*75*		*16 - 80*
Nitrobenzene-d5 (Surr)	*115*		*51 - 145*
Phenol-d5 (Surr)	*57*	*	*10 - 56*
Terphenyl-d14 (Surr)	*82*		*13 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-965331/1-A
Matrix: Water
Analysis Batch: 965367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
DCB Decachlorobiphenyl	*82*		*10 - 150*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
Tetrachloro-m-xylene	*81*		*10 - 147*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
Tetrachloro-m-xylene	*84*		*10 - 147*	*03/21/24 20:26*	*03/22/24 08:08*	*1*

Lab Sample ID: LCS 460-965331/2-A
Matrix: Water
Analysis Batch: 965367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965331

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			4.00	2.92		ug/L		73	48 - 123		
Aroclor 1016			4.00	3.17		ug/L		79	48 - 123		
Aroclor 1260			4.00	3.08		ug/L		77	47 - 129		
Aroclor 1260			4.00	3.17		ug/L		79	47 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*90*		*10 - 150*
Tetrachloro-m-xylene	*87*		*10 - 147*
Tetrachloro-m-xylene	*89*		*10 - 147*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-965331/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	2.99		ug/L		75	48 - 123	2	30
Aroclor 1016			4.00	3.22		ug/L		80	48 - 123	2	30
Aroclor 1260			4.00	3.14		ug/L		78	47 - 129	2	30
Aroclor 1260			4.00	3.23		ug/L		81	47 - 129	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 150*
DCB Decachlorobiphenyl	*88*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 147*
Tetrachloro-m-xylene	*86*		*10 - 147*

Lab Sample ID: 460-300484-2 MS
Client Sample ID: MW-16R
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016	0.40	U	4.00	0.419	p *	ug/L		10	48 - 123		
Aroclor 1016	0.40	U *	4.00	3.45		ug/L		86	48 - 123		
Aroclor 1260	0.40	U *	4.00	1.02	p *	ug/L		25	47 - 129		
Aroclor 1260	0.84		4.00	10.8	E *	ug/L		248	47 - 129		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*6*	*	*10 - 150*
DCB Decachlorobiphenyl	*66*		*10 - 150*
Tetrachloro-m-xylene	*5*	*	*10 - 147*
Tetrachloro-m-xylene	*70*		*10 - 147*

Lab Sample ID: 460-300484-2 MSD
Client Sample ID: MW-16R
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016	0.40	U	4.00	0.268	J p *	ug/L		7	48 - 123	44	30
Aroclor 1016	0.40	U *	4.00	3.53		ug/L		88	48 - 123	2	30
Aroclor 1260	0.40	U *	4.00	0.321	J p *	ug/L		8	47 - 129	104	30
Aroclor 1260	0.84		4.00	4.75	*	ug/L		98	47 - 129	77	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*5*	*	*10 - 150*
DCB Decachlorobiphenyl	*75*		*10 - 150*
Tetrachloro-m-xylene	*5*	*	*10 - 147*
Tetrachloro-m-xylene	*80*		*10 - 147*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-965493/1-A
Matrix: Water
Analysis Batch: 965530

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 965493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/22/24 13:00	03/22/24 18:22	1
Barium	4.0	U	4.0	0.93	ug/L		03/22/24 13:00	03/22/24 18:22	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/22/24 13:00	03/22/24 18:22	1
Chromium	4.0	U	4.0	1.7	ug/L		03/22/24 13:00	03/22/24 18:22	1
Lead	1.2	U	1.2	0.42	ug/L		03/22/24 13:00	03/22/24 18:22	1
Selenium	2.5	U	2.5	0.43	ug/L		03/22/24 13:00	03/22/24 18:22	1
Silver	2.0	U	2.0	1.3	ug/L		03/22/24 13:00	03/22/24 18:22	1

Lab Sample ID: LCS 460-965493/2-A
Matrix: Water
Analysis Batch: 965530

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 965493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	47.95		ug/L		96	80 - 120
Barium	50.0	47.94		ug/L		96	80 - 120
Cadmium	25.0	24.35		ug/L		97	80 - 120
Chromium	50.0	47.22		ug/L		94	80 - 120
Lead	25.0	23.73		ug/L		95	80 - 120
Selenium	50.0	46.41		ug/L		93	80 - 120
Silver	25.0	24.46		ug/L		98	80 - 120

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965530

Client Sample ID: MW-16R
Prep Type: Total Recoverable
Prep Batch: 965493

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	3.9		50.0	51.59		ug/L		95	75 - 125
Barium	97.8		50.0	140.1		ug/L		85	75 - 125
Cadmium	2.0	U	25.0	24.02		ug/L		96	75 - 125
Chromium	4.0	U	50.0	46.96		ug/L		94	75 - 125
Lead	2.8		25.0	26.12		ug/L		93	75 - 125
Selenium	0.81	J	50.0	47.89		ug/L		94	75 - 125
Silver	2.0	U	25.0	23.65		ug/L		95	75 - 125

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965530

Client Sample ID: MW-16R
Prep Type: Total Recoverable
Prep Batch: 965493

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	3.9		50.0	51.41		ug/L		95	75 - 125	0	20
Barium	97.8		50.0	142.7		ug/L		90	75 - 125	2	20
Cadmium	2.0	U	25.0	23.52		ug/L		94	75 - 125	2	20
Chromium	4.0	U	50.0	46.47		ug/L		93	75 - 125	1	20
Lead	2.8		25.0	26.02		ug/L		93	75 - 125	0	20
Selenium	0.81	J	50.0	47.02		ug/L		92	75 - 125	2	20
Silver	2.0	U	25.0	23.44		ug/L		94	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-300484-2 DU
Matrix: Water
Analysis Batch: 965530

Client Sample ID: MW-16R
Prep Type: Total Recoverable
Prep Batch: 965493

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic	3.9			3.79		ug/L				3	20
Barium	97.8			96.03		ug/L				2	20
Cadmium	2.0	U		2.0	U	ug/L				NC	20
Chromium	4.0	U		4.0	U	ug/L				NC	20
Lead	2.8			2.44		ug/L				12	20
Selenium	0.81	J		0.671	J	ug/L				19	20
Silver	2.0	U		2.0	U	ug/L				NC	20

Lab Sample ID: LCS 460-965991/2-A
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 965991

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			50.0	48.69		ug/L		97	80 - 120		
Barium			50.0	47.71		ug/L		95	80 - 120		
Cadmium			25.0	24.22		ug/L		97	80 - 120		
Chromium			50.0	49.12		ug/L		98	80 - 120		
Lead			25.0	23.69		ug/L		95	80 - 120		
Selenium			50.0	49.21		ug/L		98	80 - 120		
Silver			25.0	24.10		ug/L		96	80 - 120		

Lab Sample ID: MB 460-965990/1-B
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 965991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 16:40	1
Barium	4.0	U	4.0	0.93	ug/L		03/26/24 11:50	03/26/24 16:40	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 16:40	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 16:40	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 16:40	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 16:40	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 16:40	1

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 966084

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	2.0	U	50.0	51.26		ug/L		103	75 - 125		
Barium	71.1		50.0	119.3		ug/L		96	75 - 125		
Cadmium	2.0	U	25.0	24.78		ug/L		99	75 - 125		
Chromium	4.0	U	50.0	48.89		ug/L		98	75 - 125		
Lead	1.2	U	25.0	24.74		ug/L		99	75 - 125		
Selenium	0.67	J	50.0	53.08		ug/L		105	75 - 125		
Silver	2.0	U	25.0	19.14		ug/L		77	75 - 125		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 966084

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.0	U	50.0	52.20		ug/L		104	75 - 125	2	20
Barium	71.1		50.0	121.2		ug/L		100	75 - 125	2	20
Cadmium	2.0	U	25.0	25.22		ug/L		101	75 - 125	2	20
Chromium	4.0	U	50.0	48.99		ug/L		98	75 - 125	0	20
Lead	1.2	U	25.0	24.94		ug/L		100	75 - 125	1	20
Selenium	0.67	J	50.0	54.40		ug/L		107	75 - 125	2	20
Silver	2.0	U	25.0	19.40		ug/L		78	75 - 125	1	20

Lab Sample ID: 460-300484-2 DU
Matrix: Water
Analysis Batch: 966084

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	71.1		72.47		ug/L		2	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Selenium	0.67	J	0.794	J	ug/L		17	20
Silver	2.0	U	2.0	U	ug/L		NC	20

Lab Sample ID: LRC 460-965530/12
Matrix: Water
Analysis Batch: 965530

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	4972		ug/L		99	90 - 110
Barium	20000	18970		ug/L		95	90 - 110
Cadmium	5000	4843		ug/L		97	90 - 110
Chromium	20000	19940		ug/L		100	90 - 110
Lead	20000	19120		ug/L		96	90 - 110

Lab Sample ID: LRC 460-965530/14
Matrix: Water
Analysis Batch: 965530

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	2823		ug/L		94	90 - 110
Silver	1000	968.7		ug/L		97	90 - 110

Lab Sample ID: LRC 460-966084/13
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	3039		ug/L		101	90 - 110
Silver	1000	971.8		ug/L		97	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-965497/1-A
Matrix: Water
Analysis Batch: 965534

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965497

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 14:23	1

Lab Sample ID: LCS 460-965497/2-A
Matrix: Water
Analysis Batch: 965534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965497

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	1.03		ug/L		103	80 - 120

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965497

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.42		1.00	1.16	N	ug/L		74	75 - 125

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965497

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.42		1.00	1.16	N	ug/L		74	75 - 125	1	20

Lab Sample ID: 460-300484-2 DU
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965497

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.42		0.356		ug/L		17	20

Lab Sample ID: LCS 460-965520/3-A
Matrix: Water
Analysis Batch: 965534

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965520

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.941		ug/L		94	80 - 120

Lab Sample ID: MB 460-965997/1-A
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 14:26	1

Lab Sample ID: LCS 460-965997/2-A
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.908		ug/L		91	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-300430-J-3-D MS
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.20	U	1.00	1.22		ug/L		122	75 - 125		

Lab Sample ID: 460-300430-J-3-C DU
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

Lab Sample ID: MB 460-965498/1-B
Matrix: Water
Analysis Batch: 965534

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 965520

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:20	1

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965520

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	0.20	U	1.00	1.11		ug/L		111	75 - 125		

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965520

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.15		ug/L		115	75 - 125	3	20

Lab Sample ID: 460-300484-2 DU
Matrix: Water
Analysis Batch: 965534

Client Sample ID: MW-16R
Prep Type: Dissolved
Prep Batch: 965520

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	0.20	U		0.20	U	ug/L				NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-965540/12-A
Matrix: Water
Analysis Batch: 965550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965540

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:22	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 460-965540/13-A
Matrix: Water
Analysis Batch: 965550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965540

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.0910		mg/L		91	85 - 115		

Lab Sample ID: MRL 460-965540/11-A
Matrix: Water
Analysis Batch: 965550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965540

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.0100	0.00965	J	mg/L		97	50 - 150		

Lab Sample ID: 460-300484-2 MS
Matrix: Water
Analysis Batch: 965550

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965540

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.010	U	0.200	0.207		mg/L		104	90 - 110		

Lab Sample ID: 460-300484-2 MSD
Matrix: Water
Analysis Batch: 965550

Client Sample ID: MW-16R
Prep Type: Total/NA
Prep Batch: 965540

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.010	U	0.200	0.202		mg/L		101	90 - 110	2	35

Lab Sample ID: 460-300055-C-1-D DU
Matrix: Water
Analysis Batch: 965550

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 965540

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cyanide, Total	0.011		0.0116		mg/L		2	

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
*	Surrogate is outside acceptance limits.
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
N	Spiked sample recovery is not within control limits.
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 965386

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	8260D	
460-300484-2	MW-16R	Total/NA	Water	8260D	
460-300484-3	MW-17R	Total/NA	Water	8260D	
460-300484-4	DUP_03182024	Total/NA	Water	8260D	
MB 460-965386/8	Method Blank	Total/NA	Water	8260D	
LCS 460-965386/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-965386/5	Lab Control Sample Dup	Total/NA	Water	8260D	
460-300484-2 MS	MW-16R	Total/NA	Water	8260D	
460-300484-2 MSD	MW-16R	Total/NA	Water	8260D	

GC/MS Semi VOA

Analysis Batch: 965372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	8270E	965454
460-300484-2	MW-16R	Total/NA	Water	8270E	965454
460-300484-3	MW-17R	Total/NA	Water	8270E	965454
460-300484-4	DUP_03182024	Total/NA	Water	8270E	965454
MB 460-965454/1-A	Method Blank	Total/NA	Water	8270E	965454
460-300484-2 MS	MW-16R	Total/NA	Water	8270E	965454
460-300484-2 MSD	MW-16R	Total/NA	Water	8270E	965454

Prep Batch: 965454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	3510C	
460-300484-2	MW-16R	Total/NA	Water	3510C	
460-300484-3	MW-17R	Total/NA	Water	3510C	
460-300484-4	DUP_03182024	Total/NA	Water	3510C	
MB 460-965454/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-965454/17-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-965454/18-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-300484-2 MS	MW-16R	Total/NA	Water	3510C	
460-300484-2 MSD	MW-16R	Total/NA	Water	3510C	

Analysis Batch: 965547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-965454/17-A	Lab Control Sample	Total/NA	Water	8270E	965454
LCSD 460-965454/18-A	Lab Control Sample Dup	Total/NA	Water	8270E	965454

GC Semi VOA

Prep Batch: 965331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	3510C	
460-300484-2	MW-16R	Total/NA	Water	3510C	
460-300484-3	MW-17R	Total/NA	Water	3510C	
460-300484-4	DUP_03182024	Total/NA	Water	3510C	
MB 460-965331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-965331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-965331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-300484-2 MS	MW-16R	Total/NA	Water	3510C	
460-300484-2 MSD	MW-16R	Total/NA	Water	3510C	

GC Semi VOA

Analysis Batch: 965367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	8082A	965331
460-300484-2	MW-16R	Total/NA	Water	8082A	965331
460-300484-3	MW-17R	Total/NA	Water	8082A	965331
460-300484-4	DUP_03182024	Total/NA	Water	8082A	965331
MB 460-965331/1-A	Method Blank	Total/NA	Water	8082A	965331
LCS 460-965331/2-A	Lab Control Sample	Total/NA	Water	8082A	965331
LCSD 460-965331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	965331
460-300484-2 MS	MW-16R	Total/NA	Water	8082A	965331
460-300484-2 MSD	MW-16R	Total/NA	Water	8082A	965331

Metals

Prep Batch: 965493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total Recoverable	Water	3005A	
460-300484-2	MW-16R	Total Recoverable	Water	3005A	
460-300484-3	MW-17R	Total Recoverable	Water	3005A	
460-300484-4	DUP_03182024	Total Recoverable	Water	3005A	
MB 460-965493/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-965493/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-300484-2 MS	MW-16R	Total Recoverable	Water	3005A	
460-300484-2 MSD	MW-16R	Total Recoverable	Water	3005A	
460-300484-2 DU	MW-16R	Total Recoverable	Water	3005A	

Prep Batch: 965497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	7470A	
460-300484-2	MW-16R	Total/NA	Water	7470A	
460-300484-4	DUP_03182024	Total/NA	Water	7470A	
MB 460-965497/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-965497/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-300484-2 MS	MW-16R	Total/NA	Water	7470A	
460-300484-2 MSD	MW-16R	Total/NA	Water	7470A	
460-300484-2 DU	MW-16R	Total/NA	Water	7470A	

Filtration Batch: 965498

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	FILTRATION	
460-300484-2	MW-16R	Dissolved	Water	FILTRATION	
460-300484-3	MW-17R	Dissolved	Water	FILTRATION	
460-300484-4	DUP_03182024	Dissolved	Water	FILTRATION	
MB 460-965498/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-300484-2 MS	MW-16R	Dissolved	Water	FILTRATION	
460-300484-2 MSD	MW-16R	Dissolved	Water	FILTRATION	
460-300484-2 DU	MW-16R	Dissolved	Water	FILTRATION	

Prep Batch: 965520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	7470A	965498
460-300484-2	MW-16R	Dissolved	Water	7470A	965498
460-300484-3	MW-17R	Dissolved	Water	7470A	965498

Metals (Continued)

Prep Batch: 965520 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-4	DUP_03182024	Dissolved	Water	7470A	965498
MB 460-965498/1-B	Method Blank	Dissolved	Water	7470A	965498
LCS 460-965520/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-300484-2 MS	MW-16R	Dissolved	Water	7470A	965498
460-300484-2 MSD	MW-16R	Dissolved	Water	7470A	965498
460-300484-2 DU	MW-16R	Dissolved	Water	7470A	965498

Analysis Batch: 965530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total Recoverable	Water	6020B	965493
460-300484-2	MW-16R	Total Recoverable	Water	6020B	965493
460-300484-3	MW-17R	Total Recoverable	Water	6020B	965493
460-300484-4	DUP_03182024	Total Recoverable	Water	6020B	965493
MB 460-965493/1-A	Method Blank	Total Recoverable	Water	6020B	965493
LCS 460-965493/2-A	Lab Control Sample	Total Recoverable	Water	6020B	965493
LRC 460-965530/12	Lab Control Sample		Water	6020B	
LRC 460-965530/13	Lab Control Sample		Water	6020B	
LRC 460-965530/14	Lab Control Sample		Water	6020B	
460-300484-2 MS	MW-16R	Total Recoverable	Water	6020B	965493
460-300484-2 MSD	MW-16R	Total Recoverable	Water	6020B	965493
460-300484-2 DU	MW-16R	Total Recoverable	Water	6020B	965493

Analysis Batch: 965534

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	7470A	965520
460-300484-1	MW-12	Total/NA	Water	7470A	965497
460-300484-2	MW-16R	Dissolved	Water	7470A	965520
460-300484-2	MW-16R	Total/NA	Water	7470A	965497
460-300484-3	MW-17R	Dissolved	Water	7470A	965520
460-300484-4	DUP_03182024	Dissolved	Water	7470A	965520
460-300484-4	DUP_03182024	Total/NA	Water	7470A	965497
MB 460-965497/1-A	Method Blank	Total/NA	Water	7470A	965497
MB 460-965498/1-B	Method Blank	Dissolved	Water	7470A	965520
LCS 460-965497/2-A	Lab Control Sample	Total/NA	Water	7470A	965497
LCS 460-965520/3-A	Lab Control Sample	Total/NA	Water	7470A	965520
460-300484-2 MS	MW-16R	Dissolved	Water	7470A	965520
460-300484-2 MS	MW-16R	Total/NA	Water	7470A	965497
460-300484-2 MSD	MW-16R	Dissolved	Water	7470A	965520
460-300484-2 MSD	MW-16R	Total/NA	Water	7470A	965497
460-300484-2 DU	MW-16R	Dissolved	Water	7470A	965520
460-300484-2 DU	MW-16R	Total/NA	Water	7470A	965497

Filtration Batch: 965990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	FILTRATION	
460-300484-2	MW-16R	Dissolved	Water	FILTRATION	
460-300484-3	MW-17R	Dissolved	Water	FILTRATION	
460-300484-4	DUP_03182024	Dissolved	Water	FILTRATION	
MB 460-965990/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-300484-2 MS	MW-16R	Dissolved	Water	FILTRATION	
460-300484-2 MSD	MW-16R	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 965990 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-2 DU	MW-16R	Dissolved	Water	FILTRATION	

Prep Batch: 965991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	3005A	965990
460-300484-2	MW-16R	Dissolved	Water	3005A	965990
460-300484-3	MW-17R	Dissolved	Water	3005A	965990
460-300484-4	DUP_03182024	Dissolved	Water	3005A	965990
MB 460-965990/1-B	Method Blank	Dissolved	Water	3005A	965990
LCS 460-965991/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-300484-2 MS	MW-16R	Dissolved	Water	3005A	965990
460-300484-2 MSD	MW-16R	Dissolved	Water	3005A	965990
460-300484-2 DU	MW-16R	Dissolved	Water	3005A	965990

Prep Batch: 965997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-3	MW-17R	Total/NA	Water	7470A	
MB 460-965997/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-965997/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-300430-J-3-D MS	Matrix Spike	Total/NA	Water	7470A	
460-300430-J-3-C DU	Duplicate	Total/NA	Water	7470A	

Analysis Batch: 966040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-3	MW-17R	Total/NA	Water	7470A	965997
MB 460-965997/1-A	Method Blank	Total/NA	Water	7470A	965997
LCS 460-965997/2-A	Lab Control Sample	Total/NA	Water	7470A	965997
460-300430-J-3-D MS	Matrix Spike	Total/NA	Water	7470A	965997
460-300430-J-3-C DU	Duplicate	Total/NA	Water	7470A	965997

Analysis Batch: 966084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Dissolved	Water	6020B	965991
460-300484-2	MW-16R	Dissolved	Water	6020B	965991
460-300484-3	MW-17R	Dissolved	Water	6020B	965991
460-300484-4	DUP_03182024	Dissolved	Water	6020B	965991
MB 460-965990/1-B	Method Blank	Dissolved	Water	6020B	965991
LCS 460-965991/2-A	Lab Control Sample	Total Recoverable	Water	6020B	965991
LRC 460-966084/13	Lab Control Sample		Water	6020B	
LRC 460-966084/14	Lab Control Sample		Water	6020B	
460-300484-2 MS	MW-16R	Dissolved	Water	6020B	965991
460-300484-2 MSD	MW-16R	Dissolved	Water	6020B	965991
460-300484-2 DU	MW-16R	Dissolved	Water	6020B	965991

General Chemistry

Prep Batch: 965540

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	9012B	
460-300484-2	MW-16R	Total/NA	Water	9012B	
460-300484-3	MW-17R	Total/NA	Water	9012B	

General Chemistry (Continued)

Prep Batch: 965540 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-4	DUP_03182024	Total/NA	Water	9012B	
MB 460-965540/12-A	Method Blank	Total/NA	Water	9012B	
LCS 460-965540/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-965540/11-A	Lab Control Sample	Total/NA	Water	9012B	
460-300484-2 MS	MW-16R	Total/NA	Water	9012B	
460-300484-2 MSD	MW-16R	Total/NA	Water	9012B	
460-300055-C-1-D DU	Duplicate	Total/NA	Water	9012B	

Analysis Batch: 965550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300484-1	MW-12	Total/NA	Water	9012B	965540
460-300484-2	MW-16R	Total/NA	Water	9012B	965540
460-300484-3	MW-17R	Total/NA	Water	9012B	965540
460-300484-4	DUP_03182024	Total/NA	Water	9012B	965540
MB 460-965540/12-A	Method Blank	Total/NA	Water	9012B	965540
LCS 460-965540/13-A	Lab Control Sample	Total/NA	Water	9012B	965540
MRL 460-965540/11-A	Lab Control Sample	Total/NA	Water	9012B	965540
460-300484-2 MS	MW-16R	Total/NA	Water	9012B	965540
460-300484-2 MSD	MW-16R	Total/NA	Water	9012B	965540
460-300055-C-1-D DU	Duplicate	Total/NA	Water	9012B	965540

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-12
Lab Sample ID: 460-300484-1
Date Collected: 03/18/24 13:50
Matrix: Water
Date Received: 03/18/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965386	SZD	EET EDI	03/22/24 09:10
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 16:20
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 13:08
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 16:57
Total Recoverable	Prep	3005A			965493	KXN	EET EDI	03/22/24 13:00
Total Recoverable	Analysis	6020B		1	965530	FBT	EET EDI	03/22/24 18:46
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:36
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:00
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:26

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Date Collected: 03/18/24 10:55
Matrix: Water
Date Received: 03/18/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2	965386	SZD	EET EDI	03/22/24 10:30
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 16:41
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 13:24
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 16:47
Total Recoverable	Prep	3005A			965493	KXN	EET EDI	03/22/24 13:00
Total Recoverable	Analysis	6020B		1	965530	FBT	EET EDI	03/22/24 18:41
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:27
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:15
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:23

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Date Collected: 03/18/24 08:30
Matrix: Water
Date Received: 03/18/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965386	SZD	EET EDI	03/22/24 09:30
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 17:45
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 13:41
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:11
Total Recoverable	Prep	3005A			965493	KXN	EET EDI	03/22/24 13:00
Total Recoverable	Analysis	6020B		1	965530	FBT	EET EDI	03/22/24 18:48
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:38
Total/NA	Prep	7470A			965997	RBS	EET EDI	03/26/24 13:18
Total/NA	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 14:52
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:27

Client Sample ID: DUP_03182024
Lab Sample ID: 460-300484-4
Date Collected: 03/18/24 12:00
Matrix: Water
Date Received: 03/18/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965386	SZD	EET EDI	03/22/24 10:09
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 14:34
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 13:58
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:13
Total Recoverable	Prep	3005A			965493	KXN	EET EDI	03/22/24 13:00
Total Recoverable	Analysis	6020B		1	965530	FBT	EET EDI	03/22/24 18:51
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:39
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:07
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:28

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300484-1
Project/Site: Powerhouse, Brooklyn, NY

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
14DIOXINTER_00166	03/17/24	02/17/24	MeOH, Lot 22L0562016	10 mL	14DIOXINTER_00154	100 uL	1,4-Dioxane	500.001 ug/mL
.14DIOXINTER_00154	02/28/25	03/31/23	MeOH, Lot 22C2862010	10 mL	14DIOXNEAT_00004	483.56 uL	1,4-Dioxane	50000.1 ug/mL
..14DIOXNEAT_00004	02/28/25	SIGMA-ALDRICH, Lot BCCH3811			(Purchased Reagent)		1,4-Dioxane	1.034 g/g
524FREONS_00015	03/21/24	02/21/24	MeOH, Lot 22L0562016	50 mL	7 Freons_00003	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Chlorodifluoromethane	50 ug/mL
							Chlorotrifluoroethene	50 ug/mL
.7 Freons_00003	04/07/26	Absolute, Lot 040723			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
7 Freons Hi_00002	06/18/24	05/18/23	MeOH, Lot 22C2862010	5 mL	7 Freons_00001	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	500 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	500 ug/mL
							Chlorodifluoromethane	500 ug/mL
							Chlorotrifluoroethene	500 ug/mL
.7 Freons_00001	04/07/26	Absolute, Lot 040723			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
8260 SP_00177	03/17/24	02/17/24	MeOH, Lot 22L0562016	10 mL	KetonesC SS_00016	200 uL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					Mega Mix SS_00020	200 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1000 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC SS_00016	02/28/26		RESTEK, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix SS_00020	08/31/25		RESTEK, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260MIX1COMB_00183	03/08/24	02/08/24	MeOH, Lot 22L0562016	50 mL	2-CEVEC_00028	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00020	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	50 ug/mL
							2,3-Dihydroindene	50 ug/mL
							2-Methyl-1,3-butadiene	50 ug/mL
							4-Ethyltoluene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Cyclopentene	50 ug/mL
							Isopropyl acetate	50 ug/mL
							Methyl acrylate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							p-Diethylbenzene	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00027	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					LIST2/STD6_00020	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					Mega Mix_00037	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					POLAR ADD_00026	1 mL	Acetonitrile	500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					Vinyl Acetate_00097	1 mL	Vinyl acetate	100 ug/mL
.2-CEVEC_00028	09/30/26		RESTEK, Lot A0202590		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.ETHANOL(new)_00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.LIST2/STD6_00020	04/30/25		RESTEK, Lot A0203604		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.POLAR ADD_00026	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260MIX1COMB_00184	03/29/24	02/29/24	MeOH, Lot 22L0562016	50 mL	KetonesC_00027	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					Mega Mix_00037	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Isopropylbenzene	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
ACROLEIN W_00165	02/29/24	01/31/24	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACRY/EPIH MIX_00122	03/17/24	02/17/24	MeOH, Lot 22L0562016	10 mL	Acrylonitrile_00009	500 uL	Acrylonitrile	50 ug/mL
					EPICH(working_00013	12.5 uL	Epichlorohydrin	125 ug/mL
.Acrylonitrile_00009	11/18/24		ABSOLUTE, Lot 111821		(Purchased Reagent)		Acrylonitrile	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
BFB_00035							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Xylenes, Total	
					VMC21SU_00011	200 uL	4-Bromofluorobenzene	50 ug/mL
							BFB	50 ug/mL
.VMC21SU_00011	03/08/27		Absolute, Lot 030822		(Purchased Reagent)		4-Bromofluorobenzene	2500 ug/mL
							BFB	2500 ug/mL
Ethanol mix_00086	03/01/24	02/01/24	MeOH, Lot 22L0562016	5 mL	ETHANOL(new)_00020	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new)_00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
GAS C SP_00555	02/24/24	02/17/24	MeOH, Lot 22L0562016	10 mL	GASES SS_00023	0.2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES SS_00023	07/31/26		RESTEK, Lot A0200059		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS Hi_00463	02/29/24	02/15/24	MeOH, Lot 22L0562016	5 mL	GASES C_00040	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloroethane	500 ug/mL
							Chloromethane	500 ug/mL
							Dichlorodifluoromethane	500 ug/mL
							Dichlorofluoromethane	500 ug/mL
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00572	02/24/24	02/17/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00576	03/22/24	03/15/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
Interm_ICV_00013	04/24/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-ICV-Int_00020	8 mL	Silver	80 ug/L
					ME_TA-Cal1-SS_00009	0.32 mL	Arsenic	160 ug/L
							Barium	160 ug/L
							Cadmium	160 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chromium	160 ug/L
							Lead	160 ug/L
							Selenium	160 ug/L
.ME_ms-ICV-Int_00020	08/12/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-2nd_00006	0.4 mL	Silver	2000 ug/L
..ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
.ME_TA-Cal1-SS_00009	09/29/24	CPI International, Lot 1304460-1			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Lead	100000 ug/L
							Selenium	100000 ug/L
me_Cal2_00119	03/31/24	03/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_6020BRL_IV_00003	10 mL	Arsenic	10 ug/L
							Barium	20 ug/L
							Cadmium	10 ug/L
							Chromium	20 ug/L
							Lead	6 ug/L
							Selenium	12.5 ug/L
							Silver	10 ug/L
.ME_6020BRL_IV_00003	09/28/24	Inorganic Ventures, Lot U2-MEB736940			(Purchased Reagent)		Arsenic	200 ug/L
							Barium	400 ug/L
							Cadmium	200 ug/L
							Chromium	400 ug/L
							Lead	120 ug/L
							Selenium	250 ug/L
							Silver	200 ug/L
me_Cal5_00151	03/31/24	03/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-Cal-Int_00018	10 mL	Silver	100 ug/L
					ME_TA-Cal1_00014	0.4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Lead	200 ug/L
							Selenium	200 ug/L
.ME_ms-Cal-Int_00018	05/31/24	01/26/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.4 mL	Silver	2000 ug/L
..ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.ME_TA-Cal1_00014	10/10/24	CPI International, Lot 1370764			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Lead	100000 ug/L
							Selenium	100000 ug/L
ME_DCAL-IN_04540	03/23/24	03/22/24	0.15%HNO3, Lot ME_0.15%_HNO3_00113	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ME_DCAL-IN_04542	03/27/24	03/26/24	0.15%HNO3, Lot ME_0.15%_HNO3_00113	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04270	03/23/24	03/22/24	0.15%HNO3, Lot ME_0.15%_HNO3_00114	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04272	03/27/24	03/26/24	0.15%HNO3, Lot ME_0.15%_HNO3_00114	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
me_ICSA_00216	03/22/24	03/15/24	5%HCL:5%HNO3, Lot 11209783	200 mL	me_MS-ICSA_00012	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
me_ICSA_00217	03/30/24	03/23/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_MS-ICSA_00011	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
.ME_MS-ICSA_00011	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
me_ICSAB_00179	03/22/24	03/15/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.04 mL	Silver	200 ug/L
					me_MS-ICSA_00012	20 mL	Al	100000 ug/L

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
					ME_ms_ICSAB_00007	4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Be	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Co	200 ug/L
							Cu	200 ug/L
							Lead	200 ug/L
							Mn	200 ug/L
							Ni	200 ug/L
							Sb	100 ug/L
							Selenium	200 ug/L
							Sn	200 ug/L
							Sr	200 ug/L
							Tl	100 ug/L
							V	200 ug/L
					ME_Zn-1st_00007	0.04 mL	Zn	200 ug/L
.ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
.ME_ms_ICSAB_00007	11/24/24	CPI International, Lot 1243971-1			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Be	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	10000 ug/L
							Co	10000 ug/L
							Cu	10000 ug/L
							Lead	10000 ug/L
							Mn	10000 ug/L
							Ni	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tl	5000 ug/L
							V	10000 ug/L
.ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zn	1000000 ug/L
me_ICSAB_00180	03/30/24	03/23/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.04 mL	Silver	200 ug/L
					me_MS-ICSA_00012	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
					ME_ms_ICSAB_00007	4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Be	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Co	200 ug/L
							Cu	200 ug/L
							Lead	200 ug/L
							Mn	200 ug/L
							Ni	200 ug/L
							Sb	100 ug/L
							Selenium	200 ug/L
							Sn	200 ug/L
							Sr	200 ug/L
							Tl	100 ug/L
							V	200 ug/L
					ME_Zn-1st_00007	0.04 mL	Zn	200 ug/L
.ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
.ME_ms_ICSAB_00007	11/24/24	CPI International, Lot 1243971-1			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Be	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	10000 ug/L
							Co	10000 ug/L
							Cu	10000 ug/L
							Lead	10000 ug/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Mn	10000 ug/L
							Ni	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Tl	5000 ug/L
							V	10000 ug/L
.ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zn	1000000 ug/L
ME_ipmsSPK_00050	05/31/24	High-Purity Standards, Lot 2314637-500			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Lead	5000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
ME_ipmsSPK_00052	12/31/24	High-Purity Standards, Lot 2333357-500			(Purchased Reagent)		Al	500000 ug/L
							Arsenic	10000 ug/L
							B	100000 ug/L
							Barium	10000 ug/L
							Be	5000 ug/L
							Ca	500000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Co	5000 ug/L
							Cu	10000 ug/L
							Fe	500000 ug/L
							K	500000 ug/L
							Lead	5000 ug/L
							Mg	500000 ug/L
							Mn	50000 ug/L
							Mo	10000 ug/L
							Na	500000 ug/L
							Ni	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Ti	10000 ug/L
							Tl	4000 ug/L
							V	10000 ug/L
							Zn	50000 ug/L
me_LR-A_00037	05/01/24	02/26/24	5%HCL:5%HNO3, Lot 11124408	500 mL	ME_As_00015	0.25 mL	Arsenic	5000 ug/L
					ME_Ba_00014	1 mL	Barium	20000 ug/L
					ME_Cd_00015	0.25 mL	Cadmium	5000 ug/L

REAGENT TRACEABILITY SUMMARY

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					me_Cr_00019	1 mL	Chromium	20000 ug/L
					ME_Pb_00015	1 mL	Lead	20000 ug/L
.ME_As_00015	09/30/24	Agilent, Lot 0013387069			(Purchased Reagent)		Arsenic	10000000 ug/L
.ME_Ba_00014	08/22/24	CPI, Lot 1282477-2			(Purchased Reagent)		Barium	10000000 ug/L
.ME_Cd_00015	05/31/24	Agilent, Lot 0124065611			(Purchased Reagent)		Cadmium	10000000 ug/L
.me_Cr_00019	02/28/25	Agilent, Lot 0013615477			(Purchased Reagent)		Chromium	10000000 ug/L
.ME_Pb_00015	04/30/25	Agilent Technologies, Lot 0013824586			(Purchased Reagent)		Lead	10000000 ug/L
me_LR-C_00004	05/31/24	02/26/24	5%HCL:5%HNO3, Lot 11124409	500 mL	ME_Ag-1st_00005	0.5 mL	Silver	1000 ug/L
					ME_Se_00017	0.15 mL	Selenium	3000 ug/L
.ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.ME_Se_00017	08/31/24	Agilent, Lot 0128504011			(Purchased Reagent)		Selenium	10000000 ug/L
MIX 2 Hi_00145	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	2-CEVEC_00027	1 mL	2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	500 ug/mL
							2,3-Dihydroindene	500 ug/mL
							2-Methyl-1,3-butadiene	500 ug/mL
							4-Ethyltoluene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Cyclopentene	500 ug/mL
							Isopropyl acetate	500 ug/mL
							Methyl acrylate	500 ug/mL
							n-Butyl acrylate	500 ug/mL
							n-Propyl acetate	500 ug/mL
							p-Diethylbenzene	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00019	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							1,3,5-Trichlorobenzene	500 ug/mL
							2-Chloro-1,3-butadiene	500 ug/mL
							2-Nitropropane	1000 ug/mL
							Benzyl chloride	500 ug/mL
							Isooctane	500 ug/mL
							Isopropyl alcohol	5000 ug/mL
							Methacrylonitrile	5000 ug/mL
							n-Butanol	12500 ug/mL
					LIST2/STD7_00022	1 mL	Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
							Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL
					POLAR ADD_00025	1 mL	Acetonitrile	5000 ug/mL
							Isopropyl ether	500 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	500 ug/mL
							Tert-butyl ethyl ether	500 ug/mL
.2-CEVEC_00027	01/31/26	RESTEK, Lot A0193735			(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.Extra Cmpd_00021	09/29/25	Absolute, Lot 092922			(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.LIST2/STD6_00019	09/30/24		RESTEK, Lot A0195733		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00022	03/31/24		RESTEK, Lot A0189215		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.POLAR ADD_00025	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
MIX I Hi_00173	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	EPICH(working_00013	0.5 mL	Epichlorohydrin	10000 ug/mL
					KetonesC_00027	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL
							Acetone	2500 ug/mL
					Mega Mix_00036	1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL
							1,1,1-Trichloroethane	500 ug/mL
							1,1,2,2-Tetrachloroethane	500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	500 ug/mL
							1,1,2-Trichloroethane	500 ug/mL
							1,1-Dichloroethane	500 ug/mL
							1,1-Dichloroethene	500 ug/mL
							1,1-Dichloropropene	500 ug/mL
							1,2,3-Trichlorobenzene	500 ug/mL
							1,2,3-Trichloropropane	500 ug/mL
							1,2,4-Trichlorobenzene	500 ug/mL
							1,2,4-Trimethylbenzene	500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL
							Chlorodibromomethane	500 ug/mL
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromomethane	500 ug/mL
							Dichlorobromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethyl methacrylate	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tert-butyl ether	500 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
							Trichloroethene	500 ug/mL
					Vinyl Acetate_00097	1 mL	Vinyl acetate	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
OP_Benzald_sp_00020	07/30/24		RESTEK, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
OP_BNA SPIK_00051	07/30/24	12/05/23	Acetone, Lot 131184	200 mL	OP_Agilent456_00007	10 mL	1,3-Dimethylnaphthalene	100 ug/mL
							2-tertbutyl-4-methylphenol	100 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	100 ug/mL
							Benzonitrile	100 ug/mL
							Carbamazepine	100 ug/mL
							Coumarin	100 ug/mL
							n,n'-Dimethylaniline	100 ug/mL
							N-Methylaniline	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenyl ether	100 ug/mL
					OP_Agilent457_00004	10 mL	Bisphenol-A	50 ug/mL
					OP_BenzAcid_00014	10 mL	Benzoic acid	100 ug/mL
							Indene	100 ug/mL
					OP_MEGA_2017_00014	20 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					OP_std #1_BNA_00013	10 mL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.OP_Agilent456_00007	12/31/24		Agilent, Lot 6715186		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Benzonitrile	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_Agilent457_00004	12/31/24		Agilent, Lot 6715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.OP_BenzAcid_00014	07/30/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.OP_MEGA_2017_00014	05/31/25		Restek, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.OP_std #1_BNA_00013	08/31/24		Restek, Lot A0194453		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
OP_BNASurroga_00027	04/30/24	10/31/23	MeOH, Lot 268781	1000 mL	OP_BNA_SURR_00012	20 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.OP_BNA_SURR_00012	12/31/24		Agilent, Lot 6715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
OP_PCB SP_LVI_00018	08/12/24	02/13/24	Acetone, Lot 216864	50 mL	OP_PCBSP_00058	10 mL	Aroclor 1016	20 ug/mL
							Aroclor 1260	20 ug/mL
.OP_PCBSP_00058	08/13/24	02/13/24	Acetone, Lot 462008	100 mL	OP_AROCLOR_00022	10 mL	Aroclor 1016	100 ug/mL
							Aroclor 1260	100 ug/mL
..OP_AROCLOR_00022	05/31/29		RESTEK, Lot A0194496		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
OPPSPCBSU_LVI_00022	03/30/24	01/04/24	Acetone, Lot 2462008	100 mL	OPPSTPCBSURR_00030	20 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
.OPPSTPCBSURR_00030	03/30/24	10/01/23	Acetone, Lot 137485	200 mL	OPPESTsurr_00011	10 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
..OPPESTsurr_00011	03/30/27		Restek, Lot A0167624		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1221L4_00034	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1221-PCB_00003	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
							PCB-1221 Peak 4	1 ug/mL
							PCB-1221 Peak 5	1 ug/mL
							PCB-1221 Peak 6	1 ug/mL
							PCB-1221 Peak 7	1 ug/mL
							PCB-1221 Peak 8	1 ug/mL
.SG1221-PCB_00003	12/31/25		RESTEK, Lot A0152666		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
							PCB-1221 Peak 6	1000 ug/mL
							PCB-1221 Peak 7	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 8	1000 ug/mL
SG1232L4_00036	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1232-PCB_00003	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
							PCB-1232 Peak 6	1 ug/mL
							PCB-1232 Peak 7	1 ug/mL
							PCB-1232 Peak 8	1 ug/mL
.SG1232-PCB_00003	01/31/26		RESTEK, Lot A0154078		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
							PCB-1232 Peak 6	1000 ug/mL
							PCB-1232 Peak 7	1000 ug/mL
							PCB-1232 Peak 8	1000 ug/mL
SG1242L4_00036	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1242-PCB_00002	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
							PCB-1242 Peak 6	1 ug/mL
							PCB-1242 Peak 7	1 ug/mL
							PCB-1242 Peak 8	1 ug/mL
.SG1242-PCB_00002	01/31/24		RESTEK, Lot A0131616		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
							PCB-1242 Peak 6	1000 ug/mL
							PCB-1242 Peak 7	1000 ug/mL
							PCB-1242 Peak 8	1000 ug/mL
SG1248L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1248-PCB_00003	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
							PCB-1248 Peak 6	1 ug/mL
							PCB-1248 Peak 7	1 ug/mL
							PCB-1248 Peak 8	1 ug/mL
.SG1248-PCB_00003	12/31/25		RESTEK, Lot A0152759		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 6	1000 ug/mL
							PCB-1248 Peak 7	1000 ug/mL
							PCB-1248 Peak 8	1000 ug/mL
SG1254L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1254-PCB_00003	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
							PCB-1254 Peak 6	1 ug/mL
							PCB-1254 Peak 7	1 ug/mL
							PCB-1254 Peak 8	1 ug/mL
.SG1254-PCB_00003	11/30/25		RESTEK, Lot A0152362		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
							PCB-1254 Peak 6	1000 ug/mL
							PCB-1254 Peak 7	1000 ug/mL
							PCB-1254 Peak 8	1000 ug/mL
SG1262L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1262-PCB_00003	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
							PCB-1262 Peak 6	1 ug/mL
							PCB-1262 Peak 7	1 ug/mL
							PCB-1262 Peak 8	1 ug/mL
.SG1262-PCB_00003	07/30/26		RESTEK, Lot A0160426		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
							PCB-1262 Peak 6	1000 ug/mL
							PCB-1262 Peak 7	1000 ug/mL
							PCB-1262 Peak 8	1000 ug/mL
SG1268L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1268-PCB_00003	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
							PCB-1268 Peak 6	1 ug/mL
							PCB-1268 Peak 7	1 ug/mL
							PCB-1268 Peak 8	1 ug/mL
.SG1268-PCB_00003	09/30/26		RESTEK, Lot A0161438		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
							PCB-1268 Peak 6	1000 ug/mL
							PCB-1268 Peak 7	1000 ug/mL
							PCB-1268 Peak 8	1000 ug/mL
SG1660L1_00027	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	6.25 uL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
					SG-1660-PCB_00006	5 uL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1016 Peak 6	0.05 ug/mL
							PCB-1016 Peak 7	0.05 ug/mL
							PCB-1016 Peak 8	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
							PCB-1260 Peak 6	0.05 ug/mL
							PCB-1260 Peak 7	0.05 ug/mL
							PCB-1260 Peak 8	0.05 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L2_00036	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					SG-1660-PCB_00006	50 uL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1016 Peak 6	0.5 ug/mL
							PCB-1016 Peak 7	0.5 ug/mL
							PCB-1016 Peak 8	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							PCB-1260 Peak 6	0.5 ug/mL
							PCB-1260 Peak 7	0.5 ug/mL
							PCB-1260 Peak 8	0.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L3_00043	08/08/24	08/08/23	Hexane, Lot 249555	500 mL	PESTSURRMIX_00011	250 uL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
					SG-1660-PCB_00006	500 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1016 Peak 6	1 ug/mL
							PCB-1016 Peak 7	1 ug/mL
							PCB-1016 Peak 8	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
							PCB-1260 Peak 6	1 ug/mL
							PCB-1260 Peak 7	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 8	1 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L3_00043	08/08/24	08/08/23	Hexane, Lot 249555	500 mL	SG-1660-PCB_00006	500 uL	Aroclor 1016	1 ug/mL
							Aroclor 1260	1 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
SG1660L4_00035	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	75 uL	DCB Decachlorobiphenyl	0.15 ug/mL
							Tetrachloro-m-xylene	0.15 ug/mL
					SG-1660-PCB_00006	150 uL	PCB-1016 Peak 1	1.5 ug/mL
							PCB-1016 Peak 2	1.5 ug/mL
							PCB-1016 Peak 3	1.5 ug/mL
							PCB-1016 Peak 4	1.5 ug/mL
							PCB-1016 Peak 5	1.5 ug/mL
							PCB-1016 Peak 6	1.5 ug/mL
							PCB-1016 Peak 7	1.5 ug/mL
							PCB-1016 Peak 8	1.5 ug/mL
							PCB-1260 Peak 1	1.5 ug/mL
							PCB-1260 Peak 2	1.5 ug/mL
							PCB-1260 Peak 3	1.5 ug/mL
							PCB-1260 Peak 4	1.5 ug/mL
							PCB-1260 Peak 5	1.5 ug/mL
							PCB-1260 Peak 6	1.5 ug/mL
							PCB-1260 Peak 7	1.5 ug/mL
							PCB-1260 Peak 8	1.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L5_00035	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	100 uL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
					SG-1660-PCB_00006	250 uL	PCB-1016 Peak 1	2.5 ug/mL
							PCB-1016 Peak 2	2.5 ug/mL
							PCB-1016 Peak 3	2.5 ug/mL
							PCB-1016 Peak 4	2.5 ug/mL
							PCB-1016 Peak 5	2.5 ug/mL
							PCB-1016 Peak 6	2.5 ug/mL
							PCB-1016 Peak 7	2.5 ug/mL
							PCB-1016 Peak 8	2.5 ug/mL
							PCB-1260 Peak 1	2.5 ug/mL
							PCB-1260 Peak 2	2.5 ug/mL
							PCB-1260 Peak 3	2.5 ug/mL
							PCB-1260 Peak 4	2.5 ug/mL
							PCB-1260 Peak 5	2.5 ug/mL
							PCB-1260 Peak 6	2.5 ug/mL
							PCB-1260 Peak 7	2.5 ug/mL
							PCB-1260 Peak 8	2.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 8	1000 ug/mL
SGPCBICV_00032	08/08/24	08/08/23	Hexane, Lot 249555	200 mL	SG1660SecPCB_00005	200 uL	Aroclor 1016	1 ug/mL
							Aroclor 1260	1 ug/mL
.SG1660SecPCB_00005	02/28/25		RESTEK, Lot A0143130		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
SGPCBISTD_00029	09/20/24	09/21/23	Hexane, Lot 33895	1000 mL	SGPCBISTD_00026	1000 uL	1-Bromo-2-nitrobenzene	1000 ppb
.SGPCBISTD_00026	06/30/25		RESTEK, Lot A0182850		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SGPIBLK_00035	04/17/24	04/17/23	Hexane, Lot J33E40	1000 mL	PESTSURRMIX_00011	100 uL	DCB Decachlorobiphenyl	0.02 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SM_ISTD_LVI_00196	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_ISTD_00196	10 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
.SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMDFTP_CH_00036							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
					SMDFTTP_CH_00021	2.5 mL	4,4'-DDT	25 ug/mL
							Benzidine_T	25 ug/mL
							DFTPP	25 ug/mL
							Pentachlorophenol_T	25 ug/mL
.SMDFTTP_CH_00021	07/31/26		Restek, Lot A0200028		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
SV_BNAL1_LVI_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L1_00005	2 mL	2-Fluorobiphenyl	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
							n,n'-Dimethylaniline	0.1 ug/mL
							N-Methylaniline	0.1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							4-Chloroaniline	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Pyridine	0.2 ug/mL
.SV_BNA_L1_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_8270_surr_00013	5 uL	2-Fluorobiphenyl	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
					SM_8270cusmix_00004	12.5 uL	n,n'-Dimethylaniline	0.5 ug/mL
							N-Methylaniline	0.5 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_STD#1mega_00025	25 uL	1,2,4-Trichlorobenzene	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pyridine	1 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2-Fluorobiphenyl	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL2_LVI_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L2_00005	2 mL	2,4,6-Tribromophenol (Surr)	0.2 ug/mL
							2-Fluorobiphenyl	0.2 ug/mL
							2-Fluorophenol (Surr)	0.2 ug/mL
							Nitrobenzene-d5 (Surr)	0.2 ug/mL
							Phenol-d5 (Surr)	0.2 ug/mL
							Terphenyl-d14 (Surr)	0.2 ug/mL
							2-tertbutyl-4-methylphenol	0.2 ug/mL
							n,n'-Dimethylaniline	0.2 ug/mL
							N-Methylaniline	0.2 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							Caprolactam	0.2 ug/mL
							3,3'-Dichlorobenzidine	0.2 ug/mL
							1,2,4-Trichlorobenzene	0.2 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	0.2 ug/mL
							2,4,6-Trichlorophenol	0.2 ug/mL
							2,4-Dinitrotoluene	0.2 ug/mL
							2,6-Dinitrotoluene	0.2 ug/mL
							2-Methylnaphthalene	0.2 ug/mL
							4-Chloroaniline	0.2 ug/mL
							Benzo[a]anthracene	0.2 ug/mL
							Benzo[a]pyrene	0.2 ug/mL
							Benzo[b]fluoranthene	0.2 ug/mL
							Benzo[k]fluoranthene	0.2 ug/mL
							Bis(2-chloroethyl)ether	0.2 ug/mL
							Bis(2-ethylhexyl) phthalate	0.2 ug/mL
							Chrysene	0.2 ug/mL
							Dibenz(a,h)anthracene	0.2 ug/mL
							Fluoranthene	0.2 ug/mL
							Hexachlorobenzene	0.2 ug/mL
							Hexachlorobutadiene	0.2 ug/mL
							Hexachloroethane	0.2 ug/mL
							Indeno[1,2,3-cd]pyrene	0.2 ug/mL
							Isophorone	0.2 ug/mL
							N-Nitrosodi-n-propylamine	0.2 ug/mL
							Naphthalene	0.2 ug/mL
							Nitrobenzene	0.2 ug/mL
							Pyrene	0.2 ug/mL
							Pyridine	0.4 ug/mL
.SV_BNA_L2_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_8270_surr_00013	10 uL	2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
					SM_8270cusmix_00004	25 uL	2-tertbutyl-4-methylphenol	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	25 uL	Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
					SM_std #9BNA_00023	25 uL	3,3'-Dichlorobenzidine	1 ug/mL
					SM_STD#1mega_00025	50 uL	1,2,4-Trichlorobenzene	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							4-Chloroaniline	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		2-tertbutyl-4-methylphenol	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL3_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L3_00005	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.4 ug/mL
							Benzaldehyde	0.4 ug/mL
							Caprolactam	0.4 ug/mL
.SV_BNA_L3_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	50 uL	Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
..SM_ISTD_00196	08/31/24	Agilent, Lot 6627459			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24	restek, Lot A0193487			(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
SV_BNAL4_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L4_00005	2 mL	Benzoic acid	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
							1,3-Dimethylnaphthalene	1 ug/mL
							2-tertbutyl-4-methylphenol	1 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	1 ug/mL
							Carbamazepine	1 ug/mL
							Coumarin	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
							Pentachloronitrobenzene	1 ug/mL
							Phenyl ether	1 ug/mL
							Bisphenol-A	1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Methylphenol	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
.SV_BNA_L4_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM-BenzAcid_00019	125 uL	Benzoic acid	5 ug/mL
					SM_8270_surr_00013	50 uL	2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
					SM_8270cusmix_00004	125 uL	1,3-Dimethylnaphthalene	5 ug/mL
							2-tertbutyl-4-methylphenol	5 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	5 ug/mL
							Carbamazepine	5 ug/mL
							Coumarin	5 ug/mL
							n,n'-Dimethylaniline	5 ug/mL
							N-Methylaniline	5 ug/mL
							Pentachloronitrobenzene	5 ug/mL
							Phenyl ether	5 ug/mL
					SM_BPA_00019	250 uL	Bisphenol-A	5 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	125 uL	Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
					SM_std #9BNA_00023	125 uL	3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
					SM_STD#1mega_00025	250 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Methylphenol	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL5_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L5_00005	2 mL	Benzoic acid	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dimethylnaphthalene	2 ug/mL
							2-tertbutyl-4-methylphenol	2 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2 ug/mL
							Carbamazepine	2 ug/mL
							Coumarin	2 ug/mL
							n,n'-Dimethylaniline	2 ug/mL
							N-Methylaniline	2 ug/mL
							Pentachloronitrobenzene	2 ug/mL
							Phenyl ether	2 ug/mL
							Bisphenol-A	2 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Methylphenol	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	4 ug/mL
.SV_BNA_L5_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	125 uL	Benzoic acid	10 ug/mL
					SM_8270_surr_00013	50 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
					SM_8270cusmix_00004	125 uL	1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
					SM_BPA_00019	250 uL	Bisphenol-A	10 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	125 uL	Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
					SM_std #9BNA_00023	125 uL	3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
					SM_STD#1mega_00025	250 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL6_LVI_00008	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L6_00005	2 mL	Benzoic acid	4 ug/mL
							2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,3-Dimethylnaphthalene	4 ug/mL
							2-tertbutyl-4-methylphenol	4 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	4 ug/mL
							Carbamazepine	4 ug/mL
							Coumarin	4 ug/mL
							n,n'-Dimethylaniline	4 ug/mL
							N-Methylaniline	4 ug/mL
							Pentachloronitrobenzene	4 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	4 ug/mL
							Bisphenol-A	4 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	3.2 ug/mL
							Benzaldehyde	3.2 ug/mL
							Caprolactam	3.2 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							n-Decane	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	8 ug/mL
.SV_BNA_L6_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	250 uL	Benzoic acid	20 ug/mL
					SM_8270_surr_00013	100 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
					SM_8270cusmix_00004	250 uL	1,3-Dimethylnaphthalene	20 ug/mL
							2-tertbutyl-4-methylphenol	20 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	20 ug/mL
							Carbamazepine	20 ug/mL
							Coumarin	20 ug/mL
							n,n'-Dimethylaniline	20 ug/mL
							N-Methylaniline	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenyl ether	20 ug/mL
					SM_BPA_00019	500 uL	Bisphenol-A	20 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	200 uL	Atrazine	16 ug/mL
							Benzaldehyde	16 ug/mL
							Caprolactam	16 ug/mL
					SM_std #9BNA_00023	250 uL	3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
					SM_STD#1mega_00025	500 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL7_LVI_00008	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L7_00006	2 mL	Benzoic acid	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
							Bisphenol-A	10 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
							2,3,7,8-TCDD	0.1 ug/mL
.SV_BNA_L7_00006	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM-BenzAcid_00019	1250 uL	Benzoic acid	50 ug/mL
					SM_8270_surr_00013	500 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
					SM_8270cusmix_00004	1250 uL	1,3-Dimethylnaphthalene	50 ug/mL
							2-tertbutyl-4-methylphenol	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,5-di-tert-butyl-4-hydroxytol	50 ug/mL
							Carbamazepine	50 ug/mL
							Coumarin	50 ug/mL
							n,n'-Dimethylaniline	50 ug/mL
							N-Methylaniline	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenyl ether	50 ug/mL
					SM_BPA_00019	2500 uL	Bisphenol-A	50 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	500 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #9BNA_00023	1250 uL	3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
					SM_STD#1mega_00025	2500 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	100 ug/mL
					SM_TCDD_00015	500 uL	2,3,7,8-TCDD	0.5 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SM_TCDD_00015	07/08/24	Spex CertiPrep, Lot AA190709011			(Purchased Reagent)		2,3,7,8-TCDD	50 ug/mL
SV_BNAL8_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L8_00005	2 mL	Benzoic acid	16 ug/mL
							2,4,6-Tribromophenol (Surr)	16 ug/mL
							2-Fluorobiphenyl	16 ug/mL
							2-Fluorophenol (Surr)	16 ug/mL
							Nitrobenzene-d5 (Surr)	16 ug/mL
							Phenol-d5 (Surr)	16 ug/mL
							Terphenyl-d14 (Surr)	16 ug/mL
							1,3-Dimethylnaphthalene	16 ug/mL
							2-tertbutyl-4-methylphenol	16 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	16 ug/mL
							Carbamazepine	16 ug/mL
							Coumarin	16 ug/mL
							n,n'-Dimethylaniline	16 ug/mL
							N-Methylaniline	16 ug/mL
							Pentachloronitrobenzene	16 ug/mL
							Phenyl ether	16 ug/mL
							Bisphenol-A	16 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	4.8 ug/mL
							Benzaldehyde	4.8 ug/mL
							Caprolactam	4.8 ug/mL
							3,3'-Dichlorobenzidine	16 ug/mL
							Benzidine	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1'-Biphenyl	16 ug/mL
							1,2,4,5-Tetrachlorobenzene	16 ug/mL
							1,2,4-Trichlorobenzene	16 ug/mL
							1,2-Dichlorobenzene	16 ug/mL
							1,2-Diphenylhydrazine	16 ug/mL
							1,3-Dichlorobenzene	16 ug/mL
							1,4-Dichlorobenzene	16 ug/mL
							1,4-Dioxane	16 ug/mL
							1-Methylnaphthalene	16 ug/mL
							2,2'-oxybis[1-chloropropane]	16 ug/mL
							2,3,4,6-Tetrachlorophenol	16 ug/mL
							2,4,5-Trichlorophenol	16 ug/mL
							2,4,6-Trichlorophenol	16 ug/mL
							2,4-Dichlorophenol	16 ug/mL
							2,4-Dimethylphenol	16 ug/mL
							2,4-Dinitrophenol	32 ug/mL
							2,4-Dinitrotoluene	16 ug/mL
							2,6-Dichlorophenol	16 ug/mL
							2,6-Dinitrotoluene	16 ug/mL
							2-Chloronaphthalene	16 ug/mL
							2-Chlorophenol	16 ug/mL
							2-Methylnaphthalene	16 ug/mL
							2-Methylphenol	16 ug/mL
							2-Nitroaniline	16 ug/mL
							2-Nitrophenol	16 ug/mL
							3 & 4 Methylphenol	16 ug/mL
							3-Nitroaniline	16 ug/mL
							4,6-Dinitro-2-methylphenol	32 ug/mL
							4-Bromophenyl phenyl ether	16 ug/mL
							4-Chloro-3-methylphenol	16 ug/mL
							4-Chloroaniline	16 ug/mL
							4-Chlorophenyl phenyl ether	16 ug/mL
							4-Methylphenol	16 ug/mL
							4-Nitroaniline	16 ug/mL
							4-Nitrophenol	32 ug/mL
							Acenaphthene	16 ug/mL
							Acenaphthylene	16 ug/mL
							Acetophenone	16 ug/mL
							Aniline	16 ug/mL
							Anthracene	16 ug/mL
							Azobenzene	16 ug/mL
							Benzo[a]anthracene	16 ug/mL
							Benzo[a]pyrene	16 ug/mL
							Benzo[b]fluoranthene	16 ug/mL
							Benzo[g,h,i]perylene	16 ug/mL
							Benzo[k]fluoranthene	16 ug/mL
							Benzyl alcohol	16 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	16 ug/mL
							Bis(2-chloroethyl)ether	16 ug/mL
							Bis(2-ethylhexyl) phthalate	16 ug/mL
							Butyl benzyl phthalate	16 ug/mL
							Carbazole	16 ug/mL
							Chrysene	16 ug/mL
							Di-n-butyl phthalate	16 ug/mL
							Di-n-octyl phthalate	16 ug/mL
							Dibenz(a,h)anthracene	16 ug/mL
							Dibenzofuran	16 ug/mL
							Diethyl phthalate	16 ug/mL
							Dimethyl phthalate	16 ug/mL
							Fluoranthene	16 ug/mL
							Fluorene	16 ug/mL
							Hexachlorobenzene	16 ug/mL
							Hexachlorobutadiene	16 ug/mL
							Hexachlorocyclopentadiene	16 ug/mL
							Hexachloroethane	16 ug/mL
							Indeno[1,2,3-cd]pyrene	16 ug/mL
							Isophorone	16 ug/mL
							n-Decane	16 ug/mL
							N-Nitrosodi-n-propylamine	16 ug/mL
							N-Nitrosodimethylamine	16 ug/mL
							N-Nitrosodiphenylamine	16 ug/mL
							n-Octadecane	16 ug/mL
							Naphthalene	16 ug/mL
							Nitrobenzene	16 ug/mL
							Pentachlorophenol	32 ug/mL
							Phenanthrene	16 ug/mL
							Phenol	16 ug/mL
							Pyrene	16 ug/mL
							Pyridine	32 ug/mL
.SV_BNA_L8_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	1000 uL	Benzoic acid	80 ug/mL
					SM_8270_surr_00013	400 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
					SM_8270cusmix_00004	1000 uL	1,3-Dimethylnaphthalene	80 ug/mL
							2-tertbutyl-4-methylphenol	80 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	80 ug/mL
							Carbamazepine	80 ug/mL
							Coumarin	80 ug/mL
							n,n'-Dimethylaniline	80 ug/mL
							N-Methylaniline	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenyl ether	80 ug/mL
					SM_BPA_00019	2000 uL	Bisphenol-A	80 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	300 uL	Atrazine	24 ug/mL
							Benzaldehyde	24 ug/mL
							Caprolactam	24 ug/mL
					SM_std #9BNA_00023	1000 uL	3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
					SM_STD#1mega_00025	2000 uL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	160 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL9_LVI_00006	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L9_00005	2 mL	Benzoic acid	24 ug/mL
							2,4,6-Tribromophenol (Surr)	24 ug/mL
							2-Fluorobiphenyl	24 ug/mL
							2-Fluorophenol (Surr)	24 ug/mL
							Nitrobenzene-d5 (Surr)	24 ug/mL
							Phenol-d5 (Surr)	24 ug/mL
							Terphenyl-d14 (Surr)	24 ug/mL
							1,3-Dimethylnaphthalene	24 ug/mL
							2-tertbutyl-4-methylphenol	24 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	24 ug/mL
							Carbamazepine	24 ug/mL
							Coumarin	24 ug/mL
							n,n'-Dimethylaniline	24 ug/mL
							N-Methylaniline	24 ug/mL
							Pentachloronitrobenzene	24 ug/mL
							Phenyl ether	24 ug/mL
							Bisphenol-A	24 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	6.4 ug/mL
							Benzaldehyde	6.4 ug/mL
							Caprolactam	6.4 ug/mL
							3,3'-Dichlorobenzidine	24 ug/mL
							Benzidine	24 ug/mL
							1,1'-Biphenyl	24 ug/mL
							1,2,4,5-Tetrachlorobenzene	24 ug/mL
							1,2,4-Trichlorobenzene	24 ug/mL
							1,2-Dichlorobenzene	24 ug/mL
							1,2-Diphenylhydrazine	24 ug/mL
							1,3-Dichlorobenzene	24 ug/mL
							1,4-Dichlorobenzene	24 ug/mL
							1,4-Dioxane	24 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	24 ug/mL
							2,2'-oxybis[1-chloropropane]	24 ug/mL
							2,3,4,6-Tetrachlorophenol	24 ug/mL
							2,4,5-Trichlorophenol	24 ug/mL
							2,4,6-Trichlorophenol	24 ug/mL
							2,4-Dichlorophenol	24 ug/mL
							2,4-Dimethylphenol	24 ug/mL
							2,4-Dinitrophenol	48 ug/mL
							2,4-Dinitrotoluene	24 ug/mL
							2,6-Dichlorophenol	24 ug/mL
							2,6-Dinitrotoluene	24 ug/mL
							2-Chloronaphthalene	24 ug/mL
							2-Chlorophenol	24 ug/mL
							2-Methylnaphthalene	24 ug/mL
							2-Methylphenol	24 ug/mL
							2-Nitroaniline	24 ug/mL
							2-Nitrophenol	24 ug/mL
							3 & 4 Methylphenol	24 ug/mL
							3-Nitroaniline	24 ug/mL
							4,6-Dinitro-2-methylphenol	48 ug/mL
							4-Bromophenyl phenyl ether	24 ug/mL
							4-Chloro-3-methylphenol	24 ug/mL
							4-Chloroaniline	24 ug/mL
							4-Chlorophenyl phenyl ether	24 ug/mL
							4-Methylphenol	24 ug/mL
							4-Nitroaniline	24 ug/mL
							4-Nitrophenol	48 ug/mL
							Acenaphthene	24 ug/mL
							Acenaphthylene	24 ug/mL
							Acetophenone	24 ug/mL
							Aniline	24 ug/mL
							Anthracene	24 ug/mL
							Azobenzene	24 ug/mL
							Benzo[a]anthracene	24 ug/mL
							Benzo[a]pyrene	24 ug/mL
							Benzo[b]fluoranthene	24 ug/mL
							Benzo[g,h,i]perylene	24 ug/mL
							Benzo[k]fluoranthene	24 ug/mL
							Benzyl alcohol	24 ug/mL
							Bis(2-chloroethoxy)methane	24 ug/mL
							Bis(2-chloroethyl)ether	24 ug/mL
							Bis(2-ethylhexyl) phthalate	24 ug/mL
							Butyl benzyl phthalate	24 ug/mL
							Carbazole	24 ug/mL
							Chrysene	24 ug/mL
							Di-n-butyl phthalate	24 ug/mL
							Di-n-octyl phthalate	24 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenz(a,h)anthracene	24 ug/mL
							Dibenzofuran	24 ug/mL
							Diethyl phthalate	24 ug/mL
							Dimethyl phthalate	24 ug/mL
							Fluoranthene	24 ug/mL
							Fluorene	24 ug/mL
							Hexachlorobenzene	24 ug/mL
							Hexachlorobutadiene	24 ug/mL
							Hexachlorocyclopentadiene	24 ug/mL
							Hexachloroethane	24 ug/mL
							Indeno[1,2,3-cd]pyrene	24 ug/mL
							Isophorone	24 ug/mL
							n-Decane	24 ug/mL
							N-Nitrosodi-n-propylamine	24 ug/mL
							N-Nitrosodimethylamine	24 ug/mL
							N-Nitrosodiphenylamine	24 ug/mL
							n-Octadecane	24 ug/mL
							Naphthalene	24 ug/mL
							Nitrobenzene	24 ug/mL
							Pentachlorophenol	48 ug/mL
							Phenanthrene	24 ug/mL
							Phenol	24 ug/mL
							Pyrene	24 ug/mL
							Pyridine	48 ug/mL
.SV_BNA_L9_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	1500 uL	Benzoic acid	120 ug/mL
					SM_8270_surr_00013	600 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
					SM_8270cusmix_00004	1500 uL	1,3-Dimethylnaphthalene	120 ug/mL
							2-tertbutyl-4-methylphenol	120 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	120 ug/mL
							Carbamazepine	120 ug/mL
							Coumarin	120 ug/mL
							n,n'-Dimethylaniline	120 ug/mL
							N-Methylaniline	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenyl ether	120 ug/mL
					SM_BPA_00019	3000 uL	Bisphenol-A	120 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_std #11BNA_00021	400 uL	Atrazine	32 ug/mL
							Benzaldehyde	32 ug/mL
							Caprolactam	32 ug/mL
					SM_std #9BNA_00023	1500 uL	3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
					SM_STD#1mega_00025	3000 uL	1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	120 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							n-Octadecane	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	240 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_std #112nd_00007	250 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #92nd_00006	625 uL	3,3'-Dichlorobenzidine	50 ug/mL
					SM_STD1meg2nd_00006	1250 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Anthracene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
..SM_std #112nd_00007	09/30/24		restek, Lot A01983126		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #92nd_00006	09/30/24		restek, Lot A0197867		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SM_STD1meg2nd_00006	10/30/24		RESTEK, Lot A0190451		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
VOA6IS/SURR_00071	04/20/24	02/20/24	MeOH, Lot 22L0562016	10 mL	8260 SURR C_00062	200 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					8260ISNEW_00197	2 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							1,4-Dioxane-d8	1000 ug/mL
							2-Butanone-d5	250 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
							TBA-d9 (IS)	1000 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene-d8 (Surr)	2500 ug/mL
.8260ISNEW_00197	05/31/28	RESTEK, Lot A0198586			(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
WTcn6ppm_ICV_01147	03/23/24	03/22/24	0.25N NaOH, Lot C-2441-24	100 mL	WTCNstock2_00033	0.6 mL	Cyanide, Free	6 mg/L
							Cyanide, Total	6 mg/L
.WTCNstock2_00033	04/30/24	RICCA, Lot 1311C03			(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Total	1000 mg/L
WTcn6ppm_Pri_01170	03/23/24	03/22/24	0.25N NaOH, Lot C-2441-24	100 mL	WTcnSP1_00039	0.6 mL	Cyanide, Free	6 mg/L
							Cyanide, Non-amenable	6 mg/L
							Cyanide, Total	6 mg/L
.WTcnSP1_00039	10/06/24	ERA, Lot 181023m			(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L
WTcnCmplex-IM_01202	03/23/24	03/22/24	0.25N NaOH, Lot C-2441-24	100 mL	WTCNstock_00020	0.6 mL	Cyanide, Non-amenable	6 mg/L
							Cyanide, Total	6 mg/L
.WTCNstock_00020	09/26/24	ERA, Lot 510922m			(Purchased Reagent)		Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L

Reagent

14DIOXNEAT_00004

Supelco

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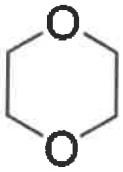
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
1,4-Dioxane - analytical standard

Product Number:	**76887**
Batch Number:	**BCCH3811**
Brand:	SIAL
CAS Number:	123-91-1
Formula:	C4H8O2
Formula Weight:	88,11 g/mol
Quality Release Date:	18 MAR 2022
Expiration Date:	FEB 2025



R2386

HS 3/31/23 #10669636

Test	Specification	Result
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Purity (GC)	≥ 99.5 %	100.0 %
Refractive index at 20 °C	1.421 - 1.423	1.422
Water (Coulometric)	≤ 0.05 %	0.03 %
Peroxide (as H2O2)	≤ 50.00 mg/kg	< 50.00 mg/kg

Dr. R. Schwenninger

Dr.Reinhold Schwenninger
Quality Assurance
Buchs,Switzerland CH

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

2-CEVEC_00027

R2434

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3/27/2024 12:01:22 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0193735

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,500.0 µg/mL	+/- 31.1129

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

2-CEVEC_00028

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0202590

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,518.0 µg/mL	+/- 31.3370

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

7 Freons_00001

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM 16700175

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

3/27/2024
12:01:22 PM

CERTIFIED WEIGHT REPORT

Part Number:	65833	**Solvent(s):**	**Lot#**
Lot Number:	040723	Methanol	EF282-USQ5
Description:	Freon Standard Rev 1 7 components		
Expiration Date:	040726	R2389	
Recommended Storage:	Freezer (0 °C)		
Nominal Concentration (µg/mL):	2000	MS 4/12/23	
NIST Test ID#:	6UTB	5E-05	Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty

Eli Aliaga	040723	
Formulated By: Eli Aliaga	DATE	
Pedro Rentas	040723	
Reviewed By: Pedro L. Rentas	DATE	

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6 ✓	1000 ppm(3500mg/m3/8H)	N/A
2.	Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3 ✓	N/A	N/A
3.	Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9 ✓	N/A	N/A
4.	1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4 ✓	N/A	N/A
5.	2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2 ✓	N/A	N/A
6.	1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6 ✓	N/A	N/A
7.	1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0 ✓	500 ppm	N/A

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7 FREONS
2000 ppm 7 Freons
1
mL
ug/mL

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

7 Freons_00003

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Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
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CERTIFIED WEIGHT REPORT

Part Number: 65833
Lot Number: 040723
Description: Freon Standard Rev 1
7 components
Expiration Date: 040726
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EF282-USQ5

R2449
11/29/2023 MS #11349853

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Eli Aliaga	040723
Formulated By: Eli Aliaga	DATE
Pedro Rentas	040723
Reviewed By: Pedro L. Rentas	DATE

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6	1000 ppm(3500mg/m3/8H)	N/A
2.	Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3	N/A	N/A
3.	Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9	N/A	N/A
4.	1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4	N/A	N/A
5.	2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2	N/A	N/A
6.	1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6	N/A	N/A
7.	1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0	500 ppm	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

8260 SURR C_00062

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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MS 12/14/23

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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R2460

#1139212G

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

3/27/2024 12:01:22 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0201943

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

8260ISNEW_00197

R2454

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3/27/2024 12:01:22 PM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0198586

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,003.0 µg/mL	+/- 62.1338
2	2-Butanone-d5	24313-50-6	M-276	99%	1,252.5 µg/mL	+/- 15.5555
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.4 µg/mL	+/- 3.1114
4	1,4-Dioxane-d8	17647-74-4	RP230202	99%	5,014.5 µg/mL	+/- 62.2773
5	Chlorobenzene-d5	3114-55-4	PR-29571	99%	251.0 µg/mL	+/- 3.1189
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	250.2 µg/mL	+/- 3.1083

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Reagent

ACROLEIN_00024

R24731

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0194513

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RD230201	99%	19,768.0 µg/mL	+/- 580.7437

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

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Reagent

Acrylonitrile_00009

Absolute Standards, Inc.
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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 79007
Lot Number: 111821
Description: Acrylonitrile

Solvent: Methanol **Lot#** EA899-USQ2

R2401 # 10853228 MS 5/31/23

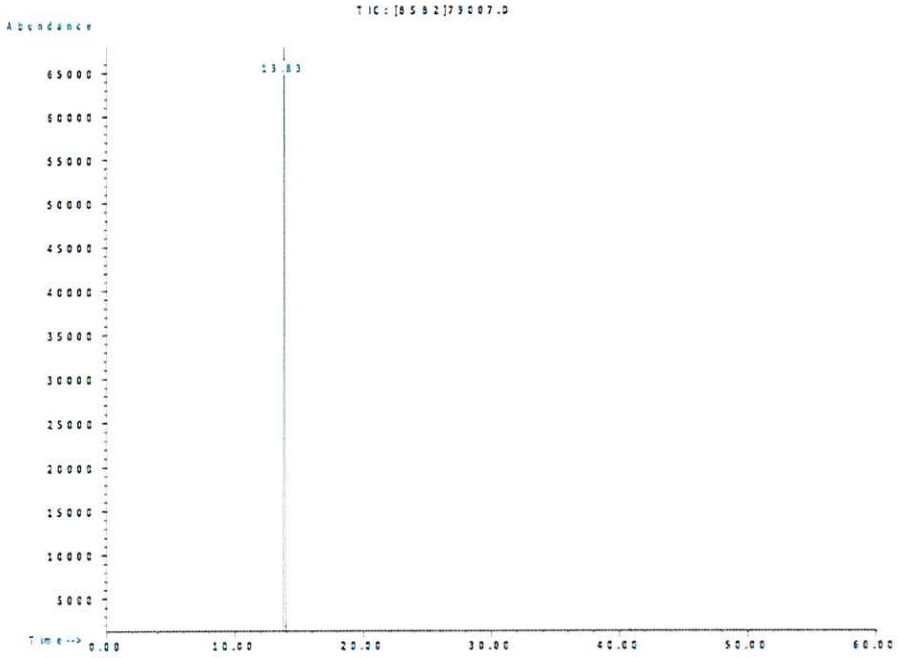
Expiration Date: 111824
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

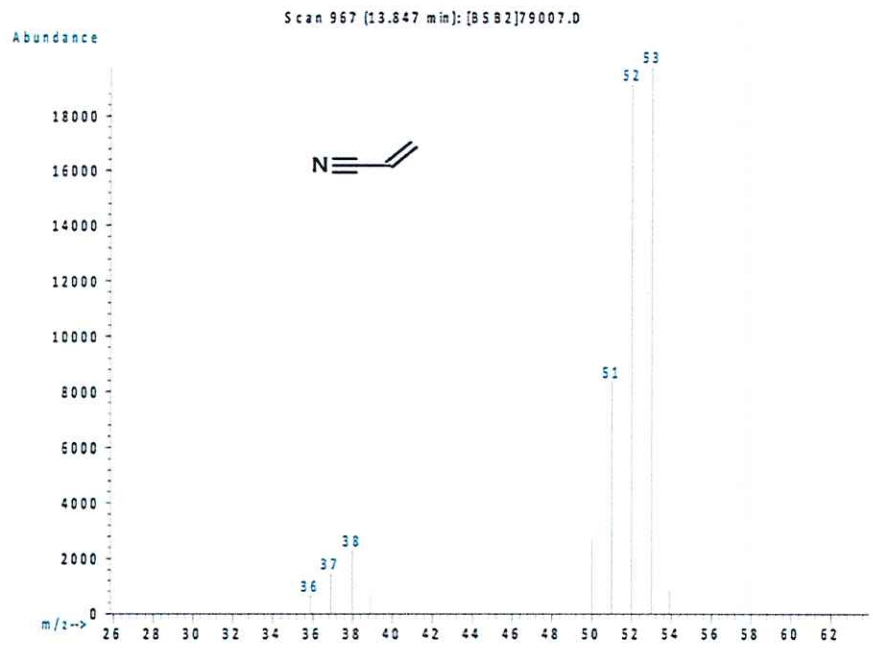
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	111821 DATE
Reviewed By:	Pedro L. Rentas	111821 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	1000	99	0.2	0.05054	0.05064	1002.0	4.5	107-13-1	N/A	orl-rat 78 mg/kg

Method: GC16MSD-1 **Detector:** Mass Selective Detector **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

EPICHLO(NEAT)_00001

R1584

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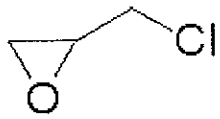
Certificate of Analysis

Product Name:
(±)-Epichlorohydrin - purum, ≥99% (GC)



Product Number:	**45340**
Batch Number:	**SHBD0368V**
Brand:	FLUKA
CAS Number:	106-89-8
MDL Number:	MFCD00005132
Formula:	C3H5ClO
Formula Weight:	92.52 g/mol
Quality Release Date:	23 JAN 2013

Test	Specification	Result
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Color Test	≤ 20 APHA	< 10 APHA
Refractive index at 20 °C	1.437 - 1.439	1.438
Purity (GC)	≥ 99.0 %	99.9 %
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %

Jamie Gleason

Jamie Gleason, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

ETHANOL(new)_00020

R2437

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571994 **Lot No.:** A0195429

Description : 8260 Ethanol Standard

8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethanol	64-17-5	SHBQ2807	99%	100,006.7 µg/mL	+/- 1,243.9578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

Extra Cmpd_00021

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www.absolutestandards.com

Certified Reference Material CRM

R 2453

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CERTIFIED WEIGHT REPORT

Part Number: 98593
Lot Number: 092922
Description: VOC Standard 2015
14 components
Expiration Date: 092925
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Methanol EC592-USQ6

Formulated By:	Benson Chan	092922 DATE
Reviewed By:	Pedro L. Rentas	092922 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	n-Amyl acetate	1515	OGL01	2500	98	0.2	0.25511	0.25561	2504.9	10.3	628-63-7	100 ppm (525 mg/m3/8H)	orl-rbt 7400 mg/kg
2.	tert-Amyl ethyl ether	2609	IKVYB-KF	2500	98	0.2	0.25511	0.25536	2502.4	10.3	919-94-8	N/A	inh-mus 81284mg/m3/15H
3.	n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25254	0.25273	2501.9	10.2	141-32-2	10 ppm (55mg/m3/8H)	orl-rat 900mg/kg
4.	Butyl methacrylate	1314	03220HG	2500	99	0.2	0.25254	0.25285	2503.1	10.2	97-88-1	N/A	orl-rat 18 g/kg
5.	Cyclopentene	519	04013BX	2500	99	0.2	0.25254	0.25265	2501.1	10.2	142-29-0	N/A	orl-rat 1656mg/kg
6.	4-Ethyltoluene	1001	031097	2500	99	0.2	0.25254	0.25313	2505.9	10.2	622-96-8	N/A	N/A
7.	Indan	955	02625MQ	2500	96	0.2	0.26043	0.26075	2503.1	10.5	496-11-7	N/A	N/A
8.	Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25076	0.25112	2503.5	10.1	78-79-5	N/A	N/A
9.	Isopropyl acetate	1106	U17E045	2500	99.9	0.2	0.25026	0.25097	2507.1	10.1	108-21-4	250 ppm (950mg/m3)	orl-rbt 6946mg/kg
10.	Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.25026	0.25088	2506.2	10.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
11.	n-Pentane	783	SHBM5087	**5000**	99.4	0.2	0.50304	0.50358	**5005.3**	20.2	109-66-0	600 ppm(1800mg/m3/8H)	ivn-mus 446mg/kg
12.	Propyl acetate	1105	05017HY	2500	99	0.2	0.25254	0.25286	2503.2	10.2	109-60-4	200 ppm (840mg/m3)	orl-rat 9370mg/kg
13.	1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25511	0.25520	2500.8	10.3	95-93-2	N/A	orl-rat 6989mg/kg
14.	1,4-Diethylbenzene	949	OGE01	2500	98	0.2	0.25511	0.25536	2502.4	10.3	105-05-5	N/A	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

GASES C_00040

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MS 12/11/23

#11357235

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0198219

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

GASES SS_00023

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Certificate of Analysis

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R2459

MS 12/14/2023 #11392079

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722.SEC **Lot No.:** A0200059

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,498.7 µg/mL	+/- 141.3032
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,499.9 µg/mL	+/- 141.5220
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,500.7 µg/mL	+/- 142.8051
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,500.4 µg/mL	+/- 141.3330
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,505.7 µg/mL	+/- 141.5475
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,499.8 µg/mL	+/- 141.4404
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5657
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,500.7 µg/mL	+/- 142.0532

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

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Reagent

KetonesC SS_00016

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Certificate of Analysis

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MS 11/7/23 R2444 #11295656

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0194631

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Reagent

KetonesC_00027

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MS 12/1/23

11357243

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0193494

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Page 1 of 2311

Reagent

LIST2/STD6_00019

R2439

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0195733

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,144.5 µg/mL	+/- 411.1608
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	220712JLM	99%	2,505.5 µg/mL	+/- 40.9817
3	Methacrylonitrile	126-98-7	1012014	99%	25,171.0 µg/mL	+/- 411.5941
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	MKCF8045	99%	2,511.5 µg/mL	+/- 41.0798
5	1-Butanol	71-36-3	SHBN6854	99%	62,604.0 µg/mL	+/- 1,023.6887
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,028.0 µg/mL	+/- 82.2174
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,522.0 µg/mL	+/- 41.2516
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,523.0 µg/mL	+/- 41.2681
9	Benzyl chloride	100-44-7	MKCM5986	99%	2,509.5 µg/mL	+/- 41.0471
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,516.5 µg/mL	+/- 41.1616

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

LIST2/STD6_00020

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R2468
1/25/2024 MS # 11480084

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0203604

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBQ4760	99%	25,118.5 µg/mL	+/- 410.7356
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	230928JLM	99%	2,517.5 µg/mL	+/- 41.1780
3	Methacrylonitrile	126-98-7	1012014	99%	25,073.0 µg/mL	+/- 409.9916
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	2,521.5 µg/mL	+/- 41.2434
5	1-Butanol	71-36-3	101601K21K	99%	62,717.5 µg/mL	+/- 1,025.5446
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,037.2 µg/mL	+/- 82.3680
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,509.5 µg/mL	+/- 41.0471
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,524.0 µg/mL	+/- 41.2841
9	Benzyl chloride	100-44-7	SHBH2102V	99%	2,511.5 µg/mL	+/- 41.0798
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,515.0 µg/mL	+/- 41.1371

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

LIST2/STD7_00022

R2435

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0189215

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6 (Lot SHBP3779) **Purity** 99%	5,047.5 µg/mL	+/- 29.5542 µg/mL +/- 304.5581 µg/mL +/- 305.2811 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 (Lot 10129902) **Purity** 99%	2,517.0 µg/mL	+/- 14.7712 µg/mL +/- 151.8750 µg/mL +/- 152.2356 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 (Lot MKCQ2755) **Purity** 99%	5,050.0 µg/mL	+/- 29.5689 µg/mL +/- 304.7090 µg/mL +/- 305.4323 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 (Lot SHBN3806) **Purity** 99%	2,521.5 µg/mL	+/- 14.7976 µg/mL +/- 152.1466 µg/mL +/- 152.5077 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

LIST2/STD7_00023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2469
1/25/2024 MS #11480095

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0200274

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethyl acetate	141-78-6	SHBP9289	99%	5,031.0 µg/mL	+/- 173.8830
2	Ethyl acrylate	140-88-5	10129902	99%	2,502.5 µg/mL	+/- 86.4979
3	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,000.0 µg/mL	+/- 172.8116
4	Butyl acetate	123-86-4	SHBP6314	99%	2,506.0 µg/mL	+/- 86.6188

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

ME_6020BRL_IV_00003

INORGANIC VENTURES™

Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

rec'd 9/28/23 JD

11176964
ID: ME_6020BRL_IV_00003
Exp: 09/28/24 Prpd:
RL Std ICPMS from inorgan

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate #83.01
ACCREDITED Reference Material Producer Certificate #83.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-55664
Lot Number:	U2-MEB736940
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 12 µg/mL ea: Iron, 8 µg/mL ea: Boron, 4 µg/mL ea: Aluminum, 1.6 µg/mL ea: Tin, Zinc, 0.8 µg/mL ea: Manganese, 0.4 µg/mL ea: Molybdenum, Nickel, Barium, Cobalt, Chromium, Copper, Vanadium, Strontium, Titanium, 0.25 µg/mL ea: Selenium, 0.2 µg/mL ea: Antimony, Cadmium, Arsenic, Silver, 0.12 µg/mL ea: Lead, 0.08 µg/mL ea: Beryllium, Thallium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	3.999 ± 0.021 µg/mL	Antimony, Sb	0.2001 ± 0.0014 µg/mL
Arsenic, As	0.2001 ± 0.0014 µg/mL	Barium, Ba	0.4000 ± 0.0022 µg/mL
Beryllium, Be	0.0801 ± 0.0005 µg/mL	Boron, B	8.00 ± 0.05 µg/mL
Cadmium, Cd	0.2001 ± 0.0012 µg/mL	Calcium, Ca	20.00 ± 0.06 µg/mL
Chromium, Cr	0.4001 ± 0.0028 µg/mL	Cobalt, Co	0.4005 ± 0.0022 µg/mL
Copper, Cu	0.4008 ± 0.0022 µg/mL	Iron, Fe	12.00 ± 0.06 µg/mL
Lead, Pb	0.1201 ± 0.0007 µg/mL	Magnesium, Mg	20.00 ± 0.09 µg/mL
Manganese, Mn	0.800 ± 0.004 µg/mL	Molybdenum, Mo	0.3998 ± 0.0022 µg/mL
Nickel, Ni	0.4006 ± 0.0022 µg/mL	Potassium, K	20.00 ± 0.10 µg/mL
Selenium, Se	0.2502 ± 0.0019 µg/mL	Silver, Ag	0.2001 ± 0.0015 µg/mL
Sodium, Na	20.00 ± 0.10 µg/mL	Strontium, Sr	0.4008 ± 0.0022 µg/mL
Thallium, Tl	0.0801 ± 0.0006 µg/mL	Tin, Sn	1.601 ± 0.011 µg/mL
Titanium, Ti	0.4005 ± 0.0027 µg/mL	Vanadium, V	0.4003 ± 0.0024 µg/mL
Zinc, Zn	1.601 ± 0.009 µg/mL		

Density: 1.008 g/mL (measured at 20 ± 4 °C)

Assay Information:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Al	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Ca	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Calculated		See Sec. 4.2
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mg	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Sn	ICP Assay	3161a	140917

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Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = \{\Sigma((w_i)^2 (u_{char\ i})^2)\}^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

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6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

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11.1 Certification Issue Date

September 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

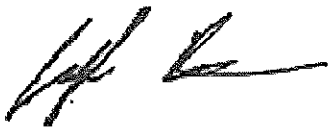
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

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Reagent

ME_Ag-1st_00005

Rec'd 10-10-23 DE

Agilent

11213192
ID: ME_Ag-1st_00005
Exp:05/31/24 Prpd: Opn:10/10/23
1,000 ppm Silver

CERTIFICATE OF ANALYSIS

Agilent Product Name: Silver Standard: 1000 µg/mL Ag in 5% HNO_3
Agilent Part No: 5190-8523
Lot No: 0121197645

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Ag	Ag	7440-22-4	5% HNO_3	1006 ± 2 µg/mL (w/v)
				999.0 ± 2.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.999% pure silver (Ag) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3151, lot #160729. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	MAJOR	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	0.6	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	0.6	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Chuck Goudreau

Chuck Goudreau, Certifying Officer

Date of release: 7 November 2022
Date of expiration: 31 May 2024

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_Ag-2nd_00006

rec'd 9/15/23 JD

11138127
ID: ME_Ag-2nd_00006
Exp: 03/12/25 Prpd:
1000 ppm stock std

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CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: TA-1000511-SS

SE Std Silver (Ag) – 1000 µg/mL

Product Lot #: 711727250-2

Matrix: 2% HNO_3

Source Material Lot #: 26-169AGX

Element	Certified Concentration & Uncertainty
Ag	1001 ± 5 µg/mL (w/v)
	991.1 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a second source certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using high purity silver nitrate dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3151**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	MAJOR	Co	<0.001	Ge	<0.001	Mg	<0.001	Pd	<0.001	Si	<0.1	V	<0.001
Al	0.006	Cr	<0.001	Hf	<0.001	Mn	<0.001	Pr	<0.001	Sm	<0.001	W	<0.001
As	<0.001	Cs	<0.001	Hg	<0.001	Mo	<0.001	Pt	<0.001	Sn	<0.001	Y	<0.001
Au	<0.001	Cu	<0.001	Ho	<0.001	Na	0.02	Rb	<0.001	Sr	<0.001	Yb	<0.001
B	0.001	Dy	<0.001	In	<0.001	Nb	<0.001	Re	<0.001	Ta	<0.001	Zn	0.09
Ba	<0.001	Er	<0.001	Ir	<0.001	Nd	<0.001	Rh	<0.001	Tb	<0.001		
Bi	<0.001	Eu	<0.001	K	<0.1	Ni	<0.001	Ru	<0.001	Te	<0.001		
Ca	0.006	Fe	<0.002	La	<0.001	Os	Nd	Sb	<0.001	Ti	<0.001		
Cd	<0.001	Ga	<0.001	Li	<0.001	P	<0.1	Sc	<0.001	Tl	<0.001		
Ce	<0.001	Gd	<0.001	Lu	<0.001	Pb	<0.001	Se	<0.01	Tm	<0.001		

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

September 12, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

ME_Ba_00014

CPI INTERNATIONAL

10577045
ID: ME_Ba_00014
Exp: 08/22/24 Prpd: LBD
Barium 10000ppb

rec'd 2/23/23 LD

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: S4400-10M41

Barium (Ba) – 10,000 µg/mL

Lot #: 1282477-2

Matrix: 4% HNO_3

Element	Certified Concentration & Uncertainty
Ba	10,020 ± 39 µg/mL (w/v)
	9776 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure barium nitrate [$Ba(NO_3)_2$]. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3104a, lot #140909**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	6	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	27	V	<10
Ba	MAJOR	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	113	Y	17
Ca	<250	Fe	<100	La	32	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 22, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

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me_Cr_00019

Rec'd 9-20-23 DF

Agilent

11151927
ID: me_Cr_00019
Exp:02/28/25 Prpd: Opn:09/20/23
Chromium

3/27/2024 12:01:22 PM

CERTIFICATE OF ANALYSIS

Agilent Product Name: Chromium Standard: 10000 µg/mL Cr in 5% HNO_3
Agilent Part No: 5190-8374
Lot No: 0013615477

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Cr	$Cr(NO_3)_3$	13548-38-4	5% HNO_3	9998 ± 42 µg/mL (w/v)
				9187 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.996% pure chromium nitrate [$Cr(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3112a, lot #170630. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	556	Ge	<5	Lu	<2	P	<1000	Sb	11	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	MAJOR	Hg	<5	Mn	12	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	8	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	15
Ba	<10	Er	<2	Ir	<2	Nb	6	Rb	<5	Sn	<5	W	9
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	38
Ca	<250	Fe	1112	La	<5	Ni	301	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	115	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Chuck Goudreau, Certifying Officer

Date of release: 2 August 2023
Date of expiration: 28 February 2025

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_ipmsSPK_00052

7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

3/27/2024
12:01:22 PM

Certificate of Analysis

Certified Reference Material

rec'd 12/11/23 LD

Product Description: ICPMS LCS/SPK

Product Number:	**SM-606-111-500**
Lot Number:	**2333357-500**
Matrix:	4% HNO3 / Tr HF
Purity:	99.98% - 99.9999%

11380092
ID: ME_ipmsSPK_00052
Exp: 12/31/24 Prpd.
ICP-MS LCS/SPK, matrix sp

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER
ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Certified Values:

Element	(µg/mL)	SRM ID	Element	(µg/mL)	SRM ID
Ag	5.00 ± 0.05	3151	Mn	50.0 ± 0.8	3132
Al	500 ± 5	3101a	Mo	10.0 ± 0.1	3134
As	10.0 ± 0.1	3103a	Na	500 ± 5	3152a
B	100 ± 1	3107	Ni	10.0 ± 0.1	3136
Ba	10.0 ± 0.1	3104a	Pb	5.00 ± 0.05	3128
Be	5.00 ± 0.05	3105a	Sb	5.00 ± 0.05	3102a
Ca	500 ± 5	3109a	Se	10.0 ± 0.1	3149
Cd	5.00 ± 0.05	3108	Sn	10.0 ± 0.1	3161a
Co	5.00 ± 0.05	3113	Sr	10.0 ± 0.1	3153a
Cr	10.0 ± 0.1	3112a	Ti	10.0 ± 0.1	3162a
Cu	10.0 ± 0.1	3114	Tl	4.00 ± 0.04	3158
Fe	500 ± 5	3126a	V	10.0 ± 0.1	3165
K	500 ± 5	3141a	Zn	50.0 ± 0.5	3168a
Mg	500 ± 5	3131a			

Certified values are based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.
* Refer to Traceability Information, Section 4

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for one year from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: December 2023
Expiration Date: December 31, 2024
Certificate Issue Date: December 4, 2023

Julio Soto, Quality Manager

Preparation Information:

This Certified Reference Material (CRM) is generally prepared from single element standard solutions that are ISO 17034 certified reference materials and manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

Reagent

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me_MS-ICSA_00012

Recd 8-29-23 DE

11094917
ID: me_MS-ICSA_00012
Exp:11/02/24 Prpd: Opn:08/29/23
ICP-MS STOCK STD

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICPMS-ICSA

ICPMS ICSA Mix

Lot #: 1332492-1

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Na	1000 ± 5 mg/L
C	2000 ± 10 mg/L	K	1000 ± 5 mg/L	P	1000 ± 5 mg/L
Ca	999.9 ± 5.0 mg/L	Mg	1000 ± 5 mg/L	S	1000 ± 5 mg/L
Cl	10,000 ± 50 mg/L	Mo	20.02 ± 0.10 mg/L	Ti	20.05 ± 0.10 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1249289	Fe	1249266	Na	1245609
C	T18I013	K	1287603	P	1225600
Ca	1232112	Mg	1222806	S	1207779
Cl	221613	Mo	1207790	Ti	1094307

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	MAJOR	Sb	3	Te	<1
Al	MAJOR	Cs	<0.5	Hf	<0.2	Mg	MAJOR	Pb	<1	Sc	<5	Ti	MAJOR
As	<2	Cr	75	Hg	<0.5	Mn	3	Pd	<0.5	Se	10	Tl	<0.5
Au	1	Cu	2	Ho	<0.2	Mo	MAJOR	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	MAJOR	Pt	<0.5	Sm	<0.2	V	<1
Ba	6	Er	<0.2	Ir	0.4	Nb	<0.5	Rb	7	Sn	5	W	1
Bi	2	Eu	<0.2	K	MAJOR	Nd	<0.2	Re	<0.2	Sr	6	Y	<0.5
Ca	MAJOR	Fe	MAJOR	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	4	Ga	28	Li	3	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	8
Ce	<0.2	Gd	<0.2										

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

May 2, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

ME_Pb_00015

3/27/2024
12:01:22 PM

Agilent

rec'd 2/20/24
LD

CERTIFICATE OF ANALYSIS

11531751
ID: ME_Pb_00015
Exp 04/30/25 Prpd
Lead 10,000 mg/L

Agilent Product Name: Lead Standard: 10000 µg/mL Pb in 5% HNO_3
Agilent Part No: 5190-8406
Lot No: 0013824586

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Pb	Pb	7439-92-1	5% HNO_3	9944 ± 61 µg/mL (w/v)
				9711 ± 59 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.999% pure lead (Pb) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3128, lot #101026. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

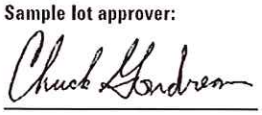
Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	MAJOR	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	33
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	10	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<50	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 10 October 2023
Date of expiration: 30 April 2025

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

Mega Mix SS_00020

R2396

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSPO	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC DMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC PI4SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2 µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0 µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8 µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3 µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3 µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7 µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8 µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0 µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3 µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0 µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1 µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0 µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5 µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7 µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0 µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7 µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7 µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4 µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0 µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8 µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

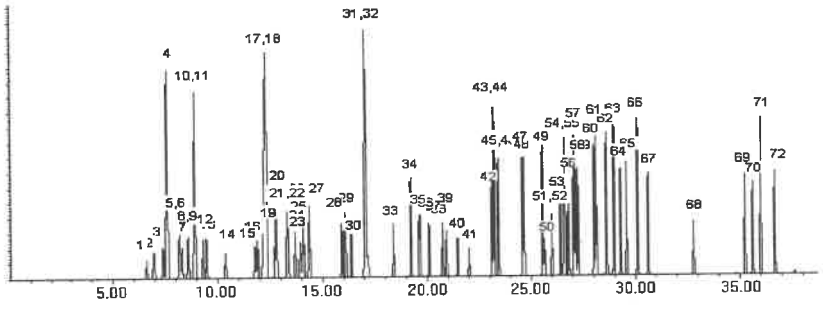
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 28-Feb-2023 **Balance Serial #** 1127510105

Christie Mills - Operations Tech II - ARM QC

Date Passed: 22-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

Mega Mix_00036

R2433

3/27/2024
12:01:22 PM

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBN4280) **Purity** 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RD211021) **Purity** 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBP1417)			+/-	151.6355	µg/mL	Unstressed
	Purity 99%				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide		2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	151.4470	µg/mL	Unstressed
	Purity 99%				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile		25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	1,514.5670	µg/mL	Unstressed
	Purity 99%				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKCP7830)			+/-	151.7486	µg/mL	Unstressed
	Purity 99%				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6)		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 760200)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot RD211103)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot 098794J01H)			+/-	3,778.9321	µg/mL	Unstressed
	Purity 99%				+/-	3,787.9040	µg/mL	Stressed
18	chloroform		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBN8469)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane		2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	151.8618	µg/mL	Unstressed
	Purity 99%				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran		5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBN3757)			+/-	303.8517	µg/mL	Unstressed
	Purity 99%				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane		2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	151.4168	µg/mL	Unstressed
	Purity 99%				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed

24	carbon tetrachloride		2,513.5	µg/mL	+/-	14.6137	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	151.6506	µg/mL	Unstressed
	Purity 99%				+/-	152.0106	µg/mL	Stressed
25	n-Heptane (C7)		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
26	1,2-Dichloroethane		2,514.4	µg/mL	+/-	14.6188	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	151.7034	µg/mL	Unstressed
	Purity 99%				+/-	152.0636	µg/mL	Stressed
27	Benzene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
28	Trichloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed
29	Methylcyclohexane		2,510.3	µg/mL	+/-	14.5948	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	151.4545	µg/mL	Unstressed
	Purity 99%				+/-	151.8141	µg/mL	Stressed
30	1,2-Dichloropropane		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
31	1,4-Dioxane		50,187.5	µg/mL	+/-	291.7792	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM9675)			+/-	3,028.0328	µg/mL	Unstressed
	Purity 99%				+/-	3,035.2219	µg/mL	Stressed
32	Dibromomethane		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD220311)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
34	Toluene		2,518.4	µg/mL	+/-	14.6420	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	151.9447	µg/mL	Unstressed
	Purity 99%				+/-	152.3055	µg/mL	Stressed
35	Ethyl methacrylate		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,504.5	µg/mL	+/-	14.5615	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD211104)			+/-	151.1083	µg/mL	Unstressed
	Purity 98%				+/-	151.4671	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
38	1,3-Dichloropropane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
39	Tetrachloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed

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40	dibromochloromethane		2,514.8	µg/mL	+/-	14.6210	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	151.7260	µg/mL	Unstressed
	Purity 99%				+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,513.9	µg/mL	+/-	14.6159	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCCF5058)			+/-	151.6732	µg/mL	Unstressed
	Purity 99%				+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene		2,507.9	µg/mL	+/-	14.5810	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	151.3112	µg/mL	Unstressed
	Purity 99%				+/-	151.6704	µg/mL	Stressed
43	m-Xylene		1,260.0	µg/mL	+/-	7.3257	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot Q13G020)			+/-	76.0214	µg/mL	Unstressed
	Purity 99%				+/-	76.2019	µg/mL	Stressed
44	p-Xylene		1,258.6	µg/mL	+/-	7.3178	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	75.9384	µg/mL	Unstressed
	Purity 99%				+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene		2,516.0	µg/mL	+/-	14.6282	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	151.8014	µg/mL	Unstressed
	Purity 99%				+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,519.1	µg/mL	+/-	14.6464	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot TMWGK)			+/-	151.9900	µg/mL	Unstressed
	Purity 99%				+/-	152.3508	µg/mL	Stressed
47	o-Xylene		2,513.5	µg/mL	+/-	14.6134	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBN5105)			+/-	151.6479	µg/mL	Unstressed
	Purity 98%				+/-	152.0079	µg/mL	Stressed
48	Styrene		2,509.1	µg/mL	+/-	14.5883	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	151.3866	µg/mL	Unstressed
	Purity 99%				+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,518.5	µg/mL	+/-	14.6428	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	151.9523	µg/mL	Unstressed
	Purity 99%				+/-	152.3130	µg/mL	Stressed
50	bromoform		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	151.5001	µg/mL	Unstressed
	Purity 98%				+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane		2,518.1	µg/mL	+/-	14.6406	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	151.9296	µg/mL	Unstressed
	Purity 99%				+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,512.5	µg/mL	+/-	14.6079	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	151.5903	µg/mL	Unstressed
	Purity 99%				+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,511.8	µg/mL	+/-	14.6038	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	151.5480	µg/mL	Unstressed
	Purity 95%				+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene		2,515.6	µg/mL	+/-	14.6261	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCN1126)			+/-	151.7788	µg/mL	Unstressed
	Purity 99%				+/-	152.1392	µg/mL	Stressed

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56	Bromobenzene		2,516.9	µg/mL	+/-	14.6333	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot MKBD4032V)			+/-	151.8542	µg/mL	Unstressed
	Purity 99%				+/-	152.2147	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,512.3	µg/mL	+/-	14.6064	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	151.5752	µg/mL	Unstressed
	Purity 99%				+/-	151.9350	µg/mL	Stressed
58	2-Chlorotoluene		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
59	4-Chlorotoluene		2,513.1	µg/mL	+/-	14.6115	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	151.6280	µg/mL	Unstressed
	Purity 99%				+/-	151.9880	µg/mL	Stressed
60	tert-Butylbenzene		2,514.6	µg/mL	+/-	14.6202	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBD6954V)			+/-	151.7185	µg/mL	Unstressed
	Purity 99%				+/-	152.0787	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,517.1	µg/mL	+/-	14.6348	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	151.8696	µg/mL	Unstressed
	Purity 98%				+/-	152.2302	µg/mL	Stressed
62	sec-Butylbenzene		2,519.3	µg/mL	+/-	14.6471	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	151.9975	µg/mL	Unstressed
	Purity 99%				+/-	152.3584	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,512.0	µg/mL	+/-	14.6050	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	151.5601	µg/mL	Unstressed
	Purity 99%				+/-	151.9199	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,513.4	µg/mL	+/-	14.6130	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	151.6431	µg/mL	Unstressed
	Purity 99%				+/-	152.0031	µg/mL	Stressed
66	n-Butylbenzene		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,512.4	µg/mL	+/-	14.6074	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	151.5855	µg/mL	Unstressed
	Purity 97%				+/-	151.9454	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,510.4	µg/mL	+/-	14.5955	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	151.4620	µg/mL	Unstressed
	Purity 99%				+/-	151.8216	µg/mL	Stressed
70	Hexachlorobutadiene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
71	Naphthalene		2,520.6	µg/mL	+/-	14.6551	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	152.0805	µg/mL	Unstressed
	Purity 99%				+/-	152.4415	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,513.0	µg/mL	+/-	14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	151.6204	µg/mL	Unstressed
	Purity 99%				+/-	151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

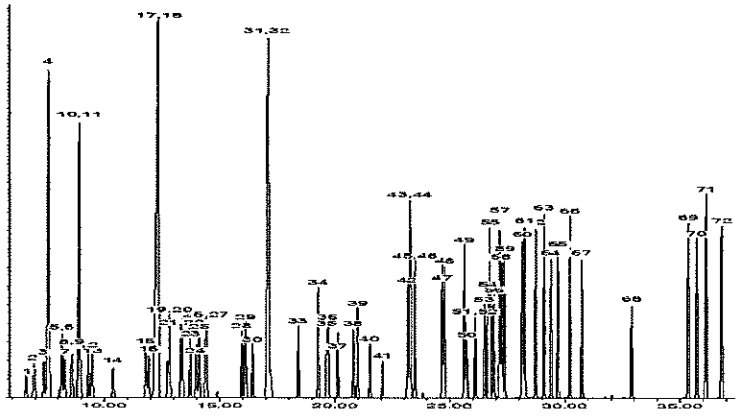
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckai - Mix Technician

Date Mixed: 31-Mar-2022 **Balance:** B707717271

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

Mega Mix_00037

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

R2464 # 11479992

1/25/2024 MS

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBN4280) **Purity** 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RD211021) **Purity** 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

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8	Methylene chloride (dichloromethane)		2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBP1417)			+/-	151.6355	µg/mL	Unstressed
	Purity 99%				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide		2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	151.4470	µg/mL	Unstressed
	Purity 99%				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile		25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	1,514.5670	µg/mL	Unstressed
	Purity 99%				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKCP7830)			+/-	151.7486	µg/mL	Unstressed
	Purity 99%				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6)		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 760200)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot RD211103)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot 098794J01H)			+/-	3,778.9321	µg/mL	Unstressed
	Purity 99%				+/-	3,787.9040	µg/mL	Stressed
18	chloroform		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBN8469)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane		2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	151.8618	µg/mL	Unstressed
	Purity 99%				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran		5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBN3757)			+/-	303.8517	µg/mL	Unstressed
	Purity 99%				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane		2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	151.4168	µg/mL	Unstressed
	Purity 99%				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed

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24	carbon tetrachloride		2,513.5	µg/mL	+/-	14.6137	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	151.6506	µg/mL	Unstressed
	Purity 99%				+/-	152.0106	µg/mL	Stressed
25	n-Heptane (C7)		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
26	1,2-Dichloroethane		2,514.4	µg/mL	+/-	14.6188	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	151.7034	µg/mL	Unstressed
	Purity 99%				+/-	152.0636	µg/mL	Stressed
27	Benzene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
28	Trichloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed
29	Methylcyclohexane		2,510.3	µg/mL	+/-	14.5948	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	151.4545	µg/mL	Unstressed
	Purity 99%				+/-	151.8141	µg/mL	Stressed
30	1,2-Dichloropropane		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
31	1,4-Dioxane		50,187.5	µg/mL	+/-	291.7792	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM9675)			+/-	3,028.0328	µg/mL	Unstressed
	Purity 99%				+/-	3,035.2219	µg/mL	Stressed
32	Dibromomethane		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD220311)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
34	Toluene		2,518.4	µg/mL	+/-	14.6420	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	151.9447	µg/mL	Unstressed
	Purity 99%				+/-	152.3055	µg/mL	Stressed
35	Ethyl methacrylate		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,504.5	µg/mL	+/-	14.5615	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD211104)			+/-	151.1083	µg/mL	Unstressed
	Purity 98%				+/-	151.4671	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
38	1,3-Dichloropropane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
39	Tetrachloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed

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40	dibromochloromethane		2,514.8	µg/mL	+/-	14.6210	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	151.7260	µg/mL	Unstressed
	Purity 99%				+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,513.9	µg/mL	+/-	14.6159	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCCF5058)			+/-	151.6732	µg/mL	Unstressed
	Purity 99%				+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene		2,507.9	µg/mL	+/-	14.5810	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	151.3112	µg/mL	Unstressed
	Purity 99%				+/-	151.6704	µg/mL	Stressed
43	m-Xylene		1,260.0	µg/mL	+/-	7.3257	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot Q13G020)			+/-	76.0214	µg/mL	Unstressed
	Purity 99%				+/-	76.2019	µg/mL	Stressed
44	p-Xylene		1,258.6	µg/mL	+/-	7.3178	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	75.9384	µg/mL	Unstressed
	Purity 99%				+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene		2,516.0	µg/mL	+/-	14.6282	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	151.8014	µg/mL	Unstressed
	Purity 99%				+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,519.1	µg/mL	+/-	14.6464	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot TMWGK)			+/-	151.9900	µg/mL	Unstressed
	Purity 99%				+/-	152.3508	µg/mL	Stressed
47	o-Xylene		2,513.5	µg/mL	+/-	14.6134	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBN5105)			+/-	151.6479	µg/mL	Unstressed
	Purity 98%				+/-	152.0079	µg/mL	Stressed
48	Styrene		2,509.1	µg/mL	+/-	14.5883	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	151.3866	µg/mL	Unstressed
	Purity 99%				+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,518.5	µg/mL	+/-	14.6428	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	151.9523	µg/mL	Unstressed
	Purity 99%				+/-	152.3130	µg/mL	Stressed
50	bromoform		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	151.5001	µg/mL	Unstressed
	Purity 98%				+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane		2,518.1	µg/mL	+/-	14.6406	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	151.9296	µg/mL	Unstressed
	Purity 99%				+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,512.5	µg/mL	+/-	14.6079	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	151.5903	µg/mL	Unstressed
	Purity 99%				+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,511.8	µg/mL	+/-	14.6038	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	151.5480	µg/mL	Unstressed
	Purity 95%				+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene		2,515.6	µg/mL	+/-	14.6261	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCN1126)			+/-	151.7788	µg/mL	Unstressed
	Purity 99%				+/-	152.1392	µg/mL	Stressed

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56	Bromobenzene		2,516.9	µg/mL	+/-	14.6333	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot MKBD4032V)			+/-	151.8542	µg/mL	Unstressed
	Purity 99%				+/-	152.2147	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,512.3	µg/mL	+/-	14.6064	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	151.5752	µg/mL	Unstressed
	Purity 99%				+/-	151.9350	µg/mL	Stressed
58	2-Chlorotoluene		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
59	4-Chlorotoluene		2,513.1	µg/mL	+/-	14.6115	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	151.6280	µg/mL	Unstressed
	Purity 99%				+/-	151.9880	µg/mL	Stressed
60	tert-Butylbenzene		2,514.6	µg/mL	+/-	14.6202	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBD6954V)			+/-	151.7185	µg/mL	Unstressed
	Purity 99%				+/-	152.0787	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,517.1	µg/mL	+/-	14.6348	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	151.8696	µg/mL	Unstressed
	Purity 98%				+/-	152.2302	µg/mL	Stressed
62	sec-Butylbenzene		2,519.3	µg/mL	+/-	14.6471	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	151.9975	µg/mL	Unstressed
	Purity 99%				+/-	152.3584	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,512.0	µg/mL	+/-	14.6050	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	151.5601	µg/mL	Unstressed
	Purity 99%				+/-	151.9199	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,513.4	µg/mL	+/-	14.6130	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	151.6431	µg/mL	Unstressed
	Purity 99%				+/-	152.0031	µg/mL	Stressed
66	n-Butylbenzene		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,512.4	µg/mL	+/-	14.6074	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	151.5855	µg/mL	Unstressed
	Purity 97%				+/-	151.9454	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,510.4	µg/mL	+/-	14.5955	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	151.4620	µg/mL	Unstressed
	Purity 99%				+/-	151.8216	µg/mL	Stressed
70	Hexachlorobutadiene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
71	Naphthalene		2,520.6	µg/mL	+/-	14.6551	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	152.0805	µg/mL	Unstressed
	Purity 99%				+/-	152.4415	µg/mL	Stressed

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72	1,2,3-Trichlorobenzene		2,513.0 µg/mL	+/-	14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/-	151.6204	µg/mL	Unstressed
	Purity 99%			+/-	151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

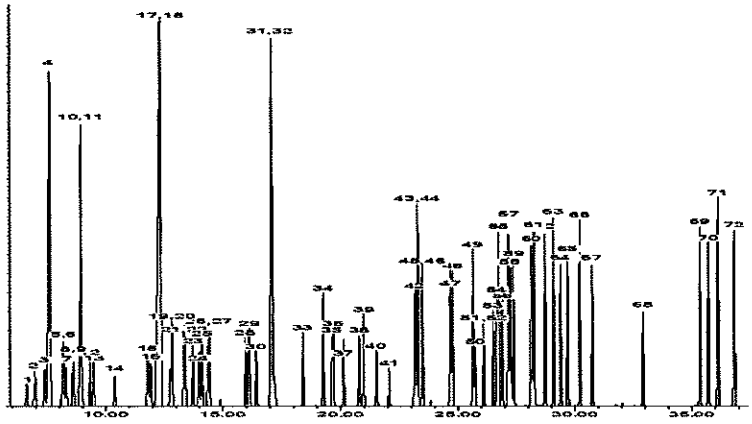
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

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Tom Suckar - Mix Technician

Date Mixed: 31-Mar-2022 **Balance:** B707717271

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

OP_Agilent456_00007

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)
Product Number: CUS-00003500
Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715186
Lot Issue Date: 17-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2001	± 10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2008	± 10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2009	± 10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2003	± 10 µg/mL	000100-47-0	RM03650
carbamazepin	2001	± 10 µg/mL	000298-46-4	RM05185
coumarin	2005	± 10 µg/mL	000091-64-5	RM01892
N-methylaniline	2000	± 10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2007	± 10 µg/mL	000082-68-8	RM20368
diphenyl ether	2003	± 10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2001	± 10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

OP_Agilent457_00004

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Bisphenol A Std - 1000ug/mL (5mL)
Product Number: CUS-00003804
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006715838
Lot Issue Date: 18-Nov-2022
Expiration Date: 31-Dec-2024

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
bisphenol A	1002 ±	5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Reagent

OP_AROCLOR_00022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0194496

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2029 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	4	----%	1,006.3 µg/mL	+/- 55.8274
2	Aroclor 1260	11096-82-5	1320657	----%	1,005.0 µg/mL	+/- 55.7581

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

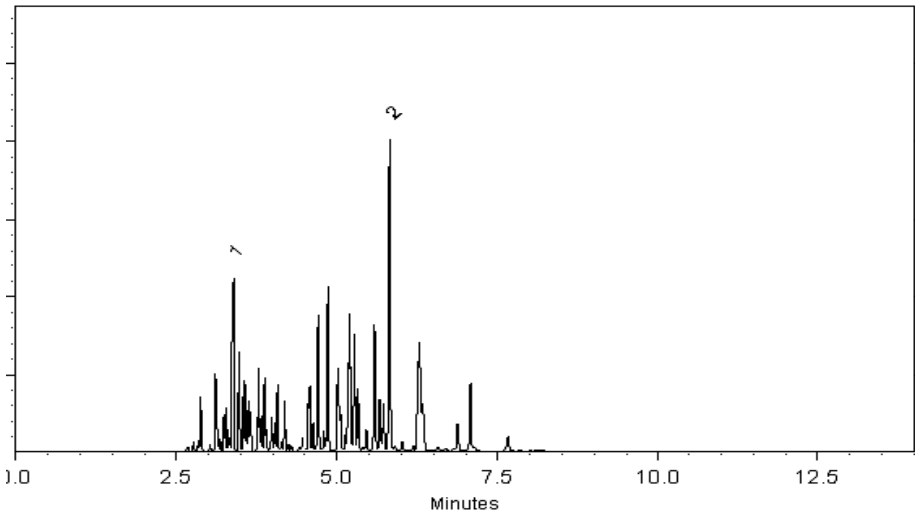
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 09-Feb-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_BenzAcid_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

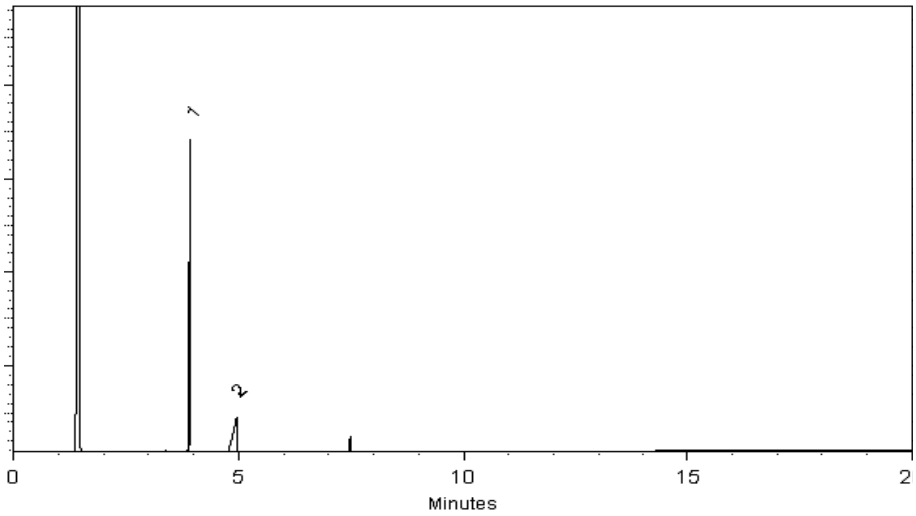
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_Benzald_sp_00020

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

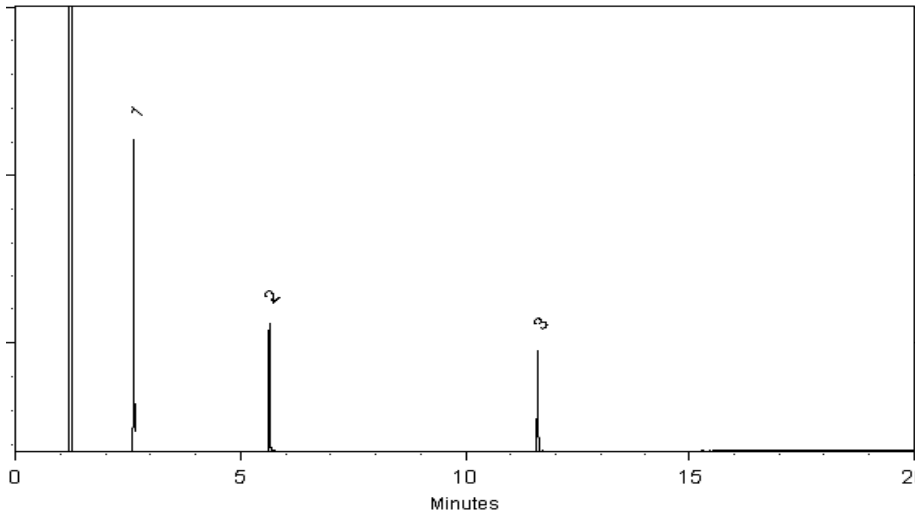
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_BNA_SURR_00012

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
2-fluorophenol	5003	±	25 µg/mL	000367-12-4	RM18822
phenol-d5	5003	±	25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	±	25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	±	25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	±	25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	±	25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

OP_MEGA_2017_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0204755

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ2407	99%	1,005.5 µg/mL	+/- 18.5816
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,010.0 µg/mL	+/- 18.6648
3	Pyridine	110-86-1	SHBP6240	99%	2,016.2 µg/mL	+/- 37.2501
4	Phenol	108-95-2	MKCK1120	99%	1,006.3 µg/mL	+/- 18.5970
5	Aniline	62-53-3	X22F726	99%	1,007.7 µg/mL	+/- 18.6216
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,009.0 µg/mL	+/- 18.6463
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,008.2 µg/mL	+/- 18.6309
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,008.7 µg/mL	+/- 18.6401
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.0 µg/mL	+/- 18.5539
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,009.7 µg/mL	+/- 18.6586
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 18.5816
12	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,008.3 µg/mL	+/- 18.6340
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,005.5 µg/mL	+/- 18.5816
14	2,2'-oxybis(1-chloropropane)	108-60-1	230609JLM	99%	1,007.7 µg/mL	+/- 18.6216
15	Acetophenone	98-86-2	STBH8205	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.0	µg/mL	+/- 9.2954
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,007.3	µg/mL	+/- 18.6155
19	Hexachloroethane	67-72-1	QTORH	99%	1,003.8	µg/mL	+/- 18.5508
20	Nitrobenzene	98-95-3	10224044	99%	1,004.3	µg/mL	+/- 18.5600
21	Isophorone	78-59-1	MKCC9506	99%	1,005.5	µg/mL	+/- 18.5816
22	2-Nitrophenol	88-75-5	RP230710	99%	1,005.5	µg/mL	+/- 18.5816
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 18.5508
24	Bis(2-chloroethoxy)methane	111-91-1	14407100	99%	1,009.3	µg/mL	+/- 18.6524
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,005.2	µg/mL	+/- 18.5754
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.3	µg/mL	+/- 18.5970
27	Naphthalene	91-20-3	STBL1057	99%	1,005.0	µg/mL	+/- 18.5724
28	2,6-Dichlorophenol	87-65-0	MKCP7682	99%	1,009.2	µg/mL	+/- 18.6494
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.2	µg/mL	+/- 18.6309
30	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,007.1	µg/mL	+/- 18.6114
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.8	µg/mL	+/- 18.5878
32	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	999.6	µg/mL	+/- 18.4726
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,009.5	µg/mL	+/- 18.6555
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,007.9	µg/mL	+/- 18.6265
36	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,005.5	µg/mL	+/- 18.5816
37	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,008.3	µg/mL	+/- 18.6325
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.2	µg/mL	+/- 18.5570
39	Biphenyl	92-52-4	MKCL6515	99%	1,005.0	µg/mL	+/- 18.5724
40	2-Nitroaniline	88-74-4	RP230531	99%	1,009.7	µg/mL	+/- 18.6586
41	Acenaphthylene	208-96-8	p06V	98%	1,008.7	µg/mL	+/- 18.6416
42	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,007.5	µg/mL	+/- 18.6186
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,009.5	µg/mL	+/- 18.6555
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,007.7	µg/mL	+/- 18.6216
45	3-Nitroaniline	99-09-2	RP231103CTH-1	99%	1,007.2	µg/mL	+/- 18.6124
46	Acenaphthene	83-32-9	MKCR7169	99%	1,008.5	µg/mL	+/- 18.6370
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.7	µg/mL	+/- 37.2963
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.0	µg/mL	+/- 18.5539
49	4-Nitrophenol	100-02-7	RP230627	99%	2,019.0	µg/mL	+/- 37.3025
50	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,006.8	µg/mL	+/- 18.6062
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,010.0	µg/mL	+/- 18.6648
52	Fluorene	86-73-7	10241100	99%	1,010.0	µg/mL	+/- 18.6648

53	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	1,003.8	µg/mL	+/- 18.5508
54	Diethylphthalate	84-66-2	BCCD3396	99%	1,008.7	µg/mL	+/- 18.6401
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,005.3	µg/mL	+/- 18.5785
56	4-Nitroaniline	100-01-6	RP230111	99%	1,005.5	µg/mL	+/- 18.5816
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	2,018.5	µg/mL	+/- 37.2933
58	Diphenylamine	122-39-4	MKCT1512	99%	856.3	µg/mL	+/- 15.8250
59	Azobenzene	103-33-3	BCCK0887	99%	1,005.5	µg/mL	+/- 18.5816
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.2	µg/mL	+/- 18.5754
61	Hexachlorobenzene	118-74-1	14821700	99%	1,008.0	µg/mL	+/- 18.6278
62	Pentachlorophenol	87-86-5	RP231108CTH	99%	2,017.7	µg/mL	+/- 37.2779
63	n-Octadecane (C18)	593-45-3	UE5NG	98%	1,008.9	µg/mL	+/- 18.6446
64	Phenanthrene	85-01-8	MKCS5188	99%	1,009.5	µg/mL	+/- 18.6555
65	Anthracene	120-12-7	MKCR0570	99%	1,008.8	µg/mL	+/- 18.6432
66	Carbazole	86-74-8	14351100	99%	1,006.8	µg/mL	+/- 18.6062
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.3	µg/mL	+/- 18.6155
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0	BCCG8479	98%	1,007.3	µg/mL	+/- 18.6144
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,009.8	µg/mL	+/- 18.6617
71	Benz(a)anthracene	56-55-3	I30012022BAA	99%	1,009.2	µg/mL	+/- 18.6494
72	Chrysene	218-01-9	RP231102CTH	99%	1,007.7	µg/mL	+/- 18.6216
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,007.3	µg/mL	+/- 18.6155
74	Di-n-octyl phthalate	117-84-0	14783100	99%	1,004.7	µg/mL	+/- 18.5662
75	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,005.3	µg/mL	+/- 18.5785
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.7	µg/mL	+/- 18.5477
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,006.0	µg/mL	+/- 18.5903
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,007.0	µg/mL	+/- 18.6097
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,005.5	µg/mL	+/- 18.5816
80	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,009.8	µg/mL	+/- 18.6617

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

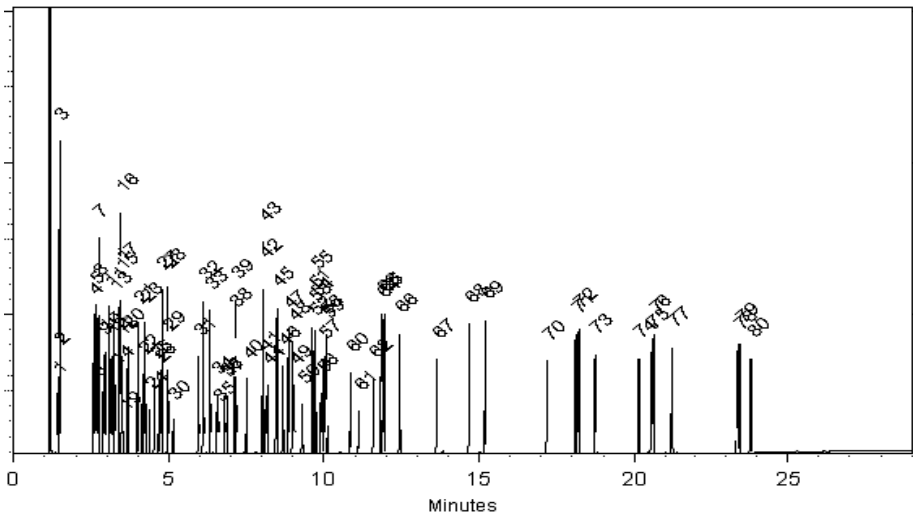
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 27-Nov-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 30-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_std #1_BNA_00013

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0194453

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S221205RSR	99%	2,018.3 µg/mL	+/- 37.2902
2	3,3'-Dichlorobenzidine	91-94-1	S221201RSR	99%	2,018.6 µg/mL	+/- 37.2948

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

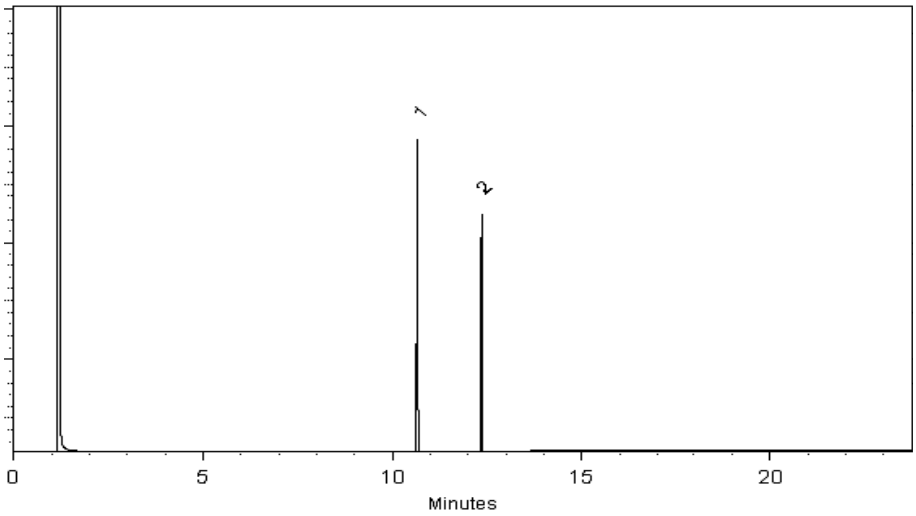
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 08-Feb-2023 **Balance Serial #** 1122030677

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OPPESTsurr_00011

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32457 **Lot No.:** A0167624

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200µg/mL, Acetone, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1794	µg/mL Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3374	µg/mL Unstressed
	Purity 98%		+/- 8.2781	µg/mL Stressed
2	Decachlorobiphenyl (BZ# 209)	201.2 µg/mL	+/- 1.1869	µg/mL Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3780	µg/mL Unstressed
	Purity 99%		+/- 8.3311	µg/mL Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

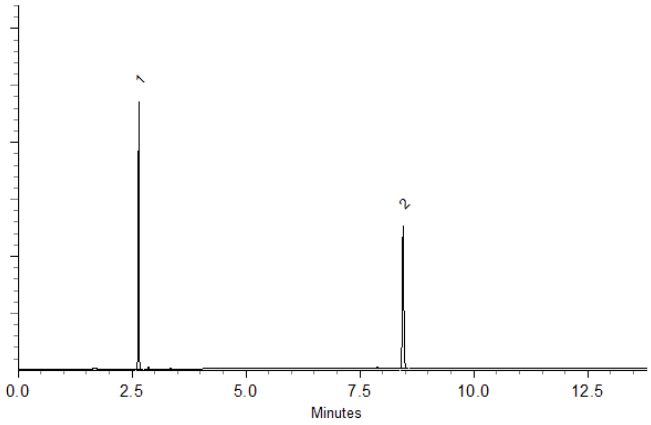
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 29-Dec-2020 **Balance:** 1127510105

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

PESTSURRMIX_00011

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%			+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%			+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

POLAR ADD_00025

R2438

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0194786

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

POLAR ADD_00026

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0194786

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

2311 Pag

Reagent

SG-1660-PCB_00006

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1221-PCB_00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0152666

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 8041300)		+/- 31.8552	µg/mL	Unstressed
	Purity ----%		+/- 41.6063	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1221L4_00034

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0152666

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 8041300)		+/- 31.8552	µg/mL	Unstressed
	Purity ----%		+/- 41.6063	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1232-PCB_00003

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0154078

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot A7080363-01)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1232L4_00036

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0154078

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot A7080363-01)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1242-PCB_00002

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0131616

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242	993.3 µg/mL	+/- 5.9001	µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 31.4958	µg/mL	Unstressed
	Purity ----%		+/- 41.1369	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1242L4_00036

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0156635

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242		1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric
	CAS # 53469-21-9	(Lot 01141-A)		+/- 31.7284	µg/mL	Unstressed
	Purity ----%			+/- 41.4406	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1248-PCB_00003

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Catalog No. : 32010 **Lot No.:** A0152759

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248		1,003.0 µg/mL	+/- 5.8862	µg/mL	Gravimetric
	CAS # 12672-29-6	(Lot 7872900)		+/- 31.7890	µg/mL	Unstressed
	Purity ----%			+/- 41.5271	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1248L4_00035

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Catalog No. : 32010 **Lot No.:** A0152759

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248		1,003.0 µg/mL	+/- 5.8862	µg/mL	Gravimetric
	CAS # 12672-29-6	(Lot 7872900)		+/- 31.7890	µg/mL	Unstressed
	Purity ----%			+/- 41.5271	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1254-PCB_00003

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Catalog No. : 32011 **Lot No.:** A0152362

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1254		1,002.8 µg/mL	+/-	5.8850	µg/mL	Gravimetric
	CAS # 11097-69-1	(Lot 124-191-B)		+/-	31.7827	µg/mL	Unstressed
	Purity ----%			+/-	41.5188	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1254L4_00035

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0152362

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1254		1,002.8 µg/mL	+/-	5.8850	µg/mL	Gravimetric
	CAS # 11097-69-1	(Lot 124-191-B)		+/-	31.7827	µg/mL	Unstressed
	Purity ----%			+/-	41.5188	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1262-PCB_00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0160426

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	998.0 µg/mL	+/- 7.0767	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 5428400)		+/- 31.8790	µg/mL	Unstressed
	Purity ----%		+/- 41.5105	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1262L4_00035

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0160426

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	998.0 µg/mL	+/- 7.0767	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 5428400)		+/- 31.8790	µg/mL	Unstressed
	Purity ----%		+/- 41.5105	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1268-PCB_00003

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Catalog No. : 32410 **Lot No.:** A0161438

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 2743900)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1268L4_00035

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0161438

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 2743900)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1660L1_00027

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%			+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%			+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L2_00036

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ---%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ---%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L3_00043

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

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Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L4_00035

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L5_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660SecPCB_00005

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039.SEC **Lot No.:** A0143130

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,010.0 µg/mL	+/- 5.9991 µg/mL	Gravimetric
	CAS # 12674-11-2.SEC (Lot 129)		+/- 32.0243 µg/mL	Unstressed
	Purity ----%		+/- 41.8271 µg/mL	Stressed
2	Aroclor 1260	1,005.0 µg/mL	+/- 5.9694 µg/mL	Gravimetric
	CAS # 11096-82-5.SEC (Lot 021-020-1A)		+/- 31.8658 µg/mL	Unstressed
	Purity ----%		+/- 41.6201 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SGPCBICV_00032

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039.SEC **Lot No.:** A0143130

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	1,010.0 µg/mL	+/- 5.9991	µg/mL	Gravimetric
	CAS # 12674-11-2.SEC (Lot 129)		+/- 32.0243	µg/mL	Unstressed
	Purity ----%		+/- 41.8271	µg/mL	Stressed
2	Aroclor 1260	1,005.0 µg/mL	+/- 5.9694	µg/mL	Gravimetric
	CAS # 11096-82-5.SEC (Lot 021-020-1A)		+/- 31.8658	µg/mL	Unstressed
	Purity ----%		+/- 41.6201	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SGPCBISTD_00026

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0182850

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Bromo-2-nitrobenzene	1,008.0 µg/mL	+/- 5.9872 µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.5308 µg/mL	Unstressed
	Purity 99%		+/- 57.8530 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

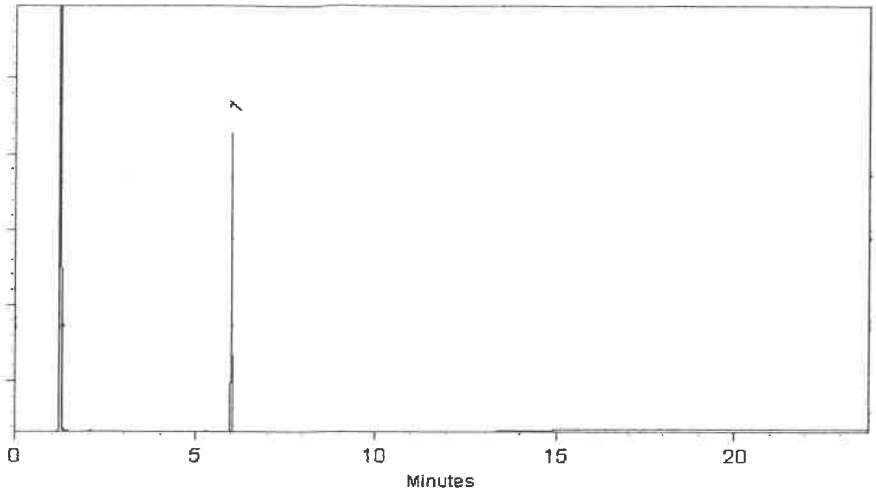
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 14-Mar-2022 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 17-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPCBISTD_00029

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0182850

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Bromo-2-nitrobenzene	1,008.0 µg/mL	+/- 5.9872 µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.5308 µg/mL	Unstressed
	Purity 99%		+/- 57.8530 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

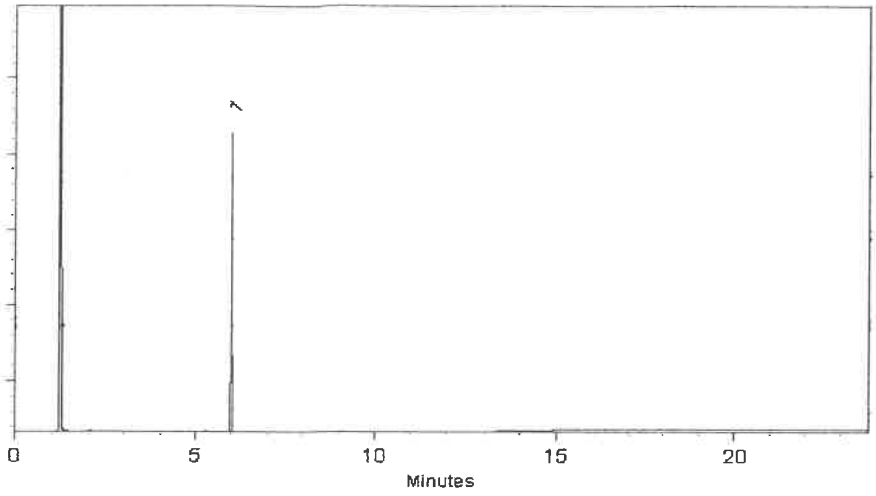
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 14-Mar-2022 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 17-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPIBLK_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9	µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)			+/- 6.3347	µg/mL	Unstressed
	Purity 98%				+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1	µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)			+/- 6.3404	µg/mL	Unstressed
	Purity 99%				+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SM-BenzAcid_00019

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

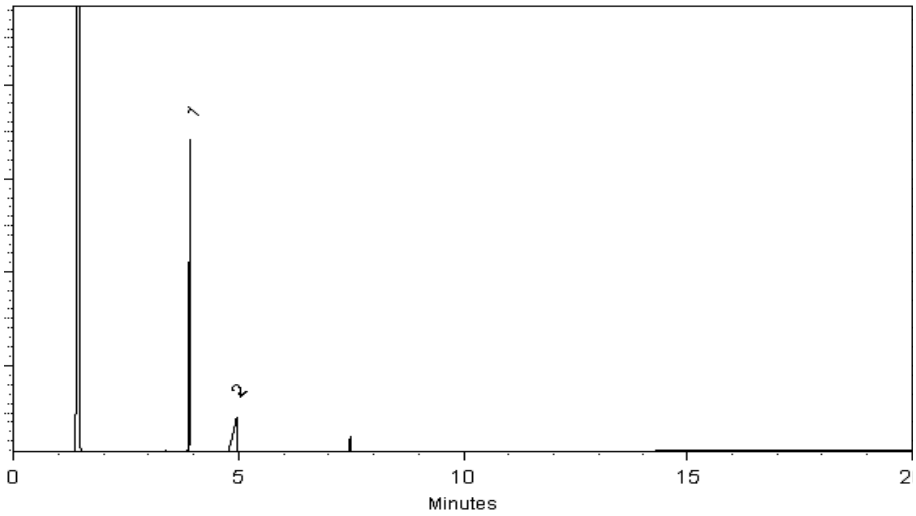
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

SM_8270_surr_00013

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
2-fluorophenol	5003	± 25 µg/mL	000367-12-4	RM18822
phenol-d5	5003	± 25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	± 25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	± 25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	± 25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	± 25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

SM_8270cusmix_00004

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)
Product Number: CUS-00003500
Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715188
Lot Issue Date: 17-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2003 ±	10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2001 ±	10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2004 ±	10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2001 ±	10 µg/mL	000100-47-0	RM03650
carbamazepin	2009 ±	10 µg/mL	000298-46-4	RM05185
coumarin	2001 ±	10 µg/mL	000091-64-5	RM01892
N-methylaniline	2001 ±	10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2001 ±	10 µg/mL	000082-68-8	RM20368
diphenyl ether	2000 ±	10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2003 ±	10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

SM_BPA_00019

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Bisphenol A Std - 1000ug/mL (5mL)

Product Number: CUS-00003804

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006715838

Lot Issue Date: 18-Nov-2022

Expiration Date: 31-Dec-2024

	CERTIFIED VALUES				
Component Name	Concentration		Expanded Uncertainty	CAS#	Analyte Lot
bisphenol A	1002	±	5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Reagent

SM_ISTD_00196

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name 8270 Internal Standard

Product Number CUS-00004805

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006627459

Lot Issue Date: 02-Aug-2021

Expiration Date: 31-Aug-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2000 ±	10 µg/mL	015067-26-2	RM18766
chrysene-d12	2005 ±	10 µg/mL	001719-03-5	RM15976
1,4-dichlorobenzene-d4	1998 ±	10 µg/mL	003855-82-1	RM14980
naphthalene-d8	2001 ±	10 µg/mL	001146-65-2	RM12698
perylene-d12	2000 ±	10 µg/mL	001520-96-3	RM12612
phenanthrene-d10	2001 ±	10 µg/mL	001517-22-2	RM17023

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

SM_std #11BNA_00021

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

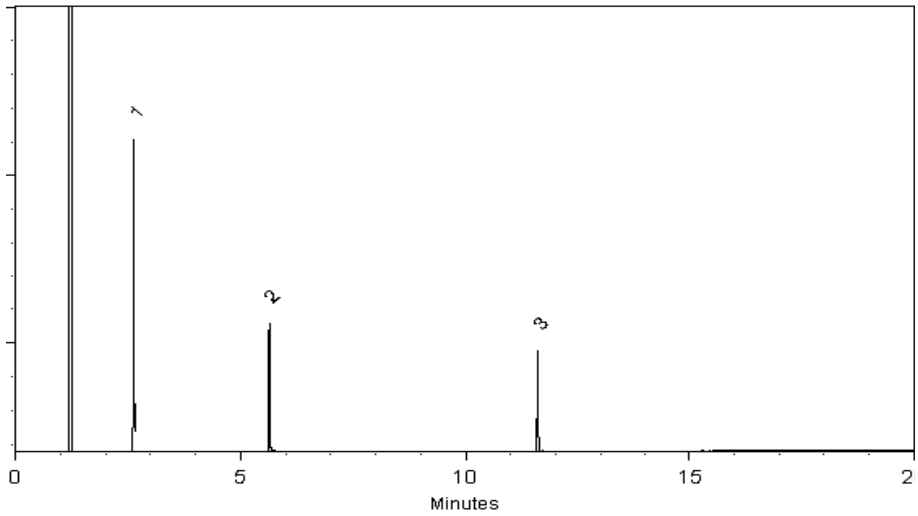
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

SM_std #9BNA_00023

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0188589

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 29, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	2,002.5 µg/mL	+/- 11.6427 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 23.9380 µg/mL	Unstressed
	Purity 99%		+/- 38.0970 µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,002.9 µg/mL	+/- 11.6449 µg/mL	Gravimetric
	CAS # 91-94-1 (Lot 220223RSR)		+/- 23.9425 µg/mL	Unstressed
	Purity 99%		+/- 38.1041 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

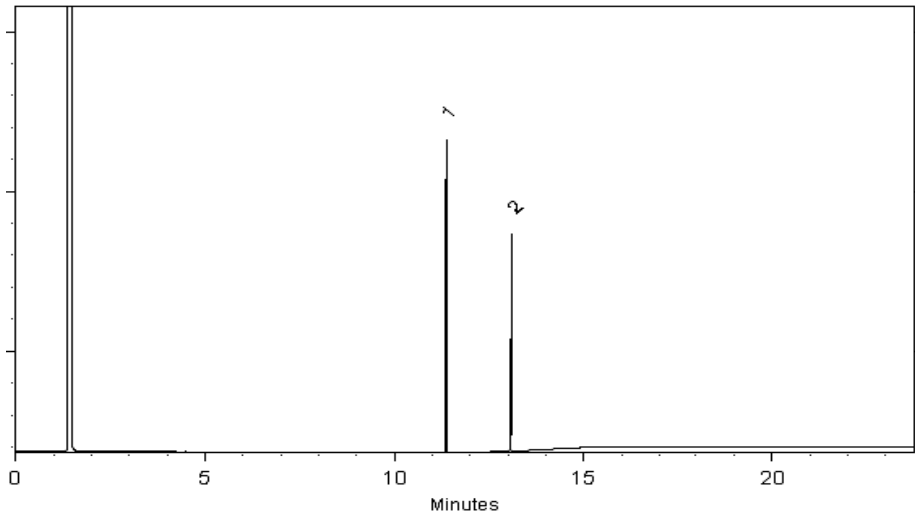
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 16-Aug-2022 **Balance:** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SM_STD#1mega_00025

RESTEK
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Tel: (800)356-1688
Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0190414

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2024 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,003.3 µg/mL	+/- 5.8469 µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN3770)		+/- 12.0005 µg/mL	Unstressed
	Purity 99%		+/- 19.0922 µg/mL	Stressed
2	N-Nitrosodimethylamine	1,006.7 µg/mL	+/- 5.8664 µg/mL	Gravimetric
	CAS # 62-75-9 (Lot 220624JLM)		+/- 12.0403 µg/mL	Unstressed
	Purity 99%		+/- 19.1557 µg/mL	Stressed
3	Pyridine	2,011.7 µg/mL	+/- 11.6960 µg/mL	Gravimetric
	CAS # 110-86-1 (Lot SHBN7324)		+/- 24.0476 µg/mL	Unstressed
	Purity 99%		+/- 38.2714 µg/mL	Stressed
4	Phenol	1,006.3 µg/mL	+/- 5.8644 µg/mL	Gravimetric
	CAS # 108-95-2 (Lot MKCK1120)		+/- 12.0364 µg/mL	Unstressed
	Purity 99%		+/- 19.1493 µg/mL	Stressed
5	Aniline	1,004.7 µg/mL	+/- 5.8547 µg/mL	Gravimetric
	CAS # 62-53-3 (Lot X22F726)		+/- 12.0164 µg/mL	Unstressed
	Purity 99%		+/- 19.1176 µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,004.0 µg/mL	+/- 5.8508 µg/mL	Gravimetric
	CAS # 111-44-4 (Lot SHBL6942)		+/- 12.0084 µg/mL	Unstressed
	Purity 99%		+/- 19.1049 µg/mL	Stressed
7	n-Decane (C10)	1,007.2 µg/mL	+/- 5.8693 µg/mL	Gravimetric
	CAS # 124-18-5 (Lot SHBN8619)		+/- 12.0463 µg/mL	Unstressed
	Purity 99%		+/- 19.1652 µg/mL	Stressed

8	2-Chlorophenol		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-57-8	(Lot STBH7290)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCCD5315)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
11	Benzyl alcohol		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 100-51-6	(Lot SHBK5943)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 95-48-7	(Lot SHBN7598)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 108-60-1	(Lot 12549200)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
15	Acetophenone		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 98-86-2	(Lot STBH8205)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		503.7	µg/mL	+/-	2.9351	µg/mL	Gravimetric
	CAS # 108-39-4	(Lot STBJ0710)			+/-	6.0242	µg/mL	Unstressed
	Purity 99%				+/-	9.5842	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		503.0	µg/mL	+/-	2.9312	µg/mL	Gravimetric
	CAS # 106-44-5	(Lot SHBN1151)			+/-	6.0162	µg/mL	Unstressed
	Purity 99%				+/-	9.5715	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 621-64-7	(Lot 2D5VJ)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
19	Hexachloroethane		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 67-72-1	(Lot QTORH)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
20	Nitrobenzene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 98-95-3	(Lot 10224044)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
21	Isophorone		1,004.3	µg/mL	+/-	5.8528	µg/mL	Gravimetric
	CAS # 78-59-1	(Lot MKCC9506)			+/-	12.0124	µg/mL	Unstressed
	Purity 99%				+/-	19.1113	µg/mL	Stressed
22	2-Nitrophenol		1,003.2	µg/mL	+/-	5.8460	µg/mL	Gravimetric
	CAS # 88-75-5	(Lot BCCB2407)			+/-	11.9985	µg/mL	Unstressed
	Purity 99%				+/-	19.0891	µg/mL	Stressed
23	2,4-Dimethylphenol		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 105-67-9	(Lot XW5GK)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane		1,007.5	µg/mL	+/-	5.8712	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 13670200)			+/-	12.0503	µg/mL	Unstressed
	Purity 99%				+/-	19.1715	µg/mL	Stressed
25	2,4-Dichlorophenol		1,002.2	µg/mL	+/-	5.8401	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/-	11.9865	µg/mL	Unstressed
	Purity 99%				+/-	19.0700	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed
27	Naphthalene		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
28	2,6-Dichlorophenol		1,007.7	µg/mL	+/-	5.8722	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCP7682)			+/-	12.0523	µg/mL	Unstressed
	Purity 99%				+/-	19.1747	µg/mL	Stressed
29	4-Chloroaniline		1,007.7	µg/mL	+/-	5.8722	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot H24K)			+/-	12.0523	µg/mL	Unstressed
	Purity 99%				+/-	19.1747	µg/mL	Stressed
30	Hexachlorobutadiene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,002.3	µg/mL	+/-	5.8411	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot BCCD4461)			+/-	11.9885	µg/mL	Unstressed
	Purity 99%				+/-	19.0732	µg/mL	Stressed
32	2-Methylnaphthalene		1,009.1	µg/mL	+/-	5.8807	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/-	12.0697	µg/mL	Unstressed
	Purity 96%				+/-	19.2024	µg/mL	Stressed
33	1-Methylnaphthalene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/-	12.0104	µg/mL	Unstressed
	Purity 99%				+/-	19.1081	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,007.3	µg/mL	+/-	5.8703	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot 13278000)			+/-	12.0483	µg/mL	Unstressed
	Purity 99%				+/-	19.1684	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012019)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,006.8	µg/mL	+/-	5.8671	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/-	12.0418	µg/mL	Unstressed
	Purity 98%				+/-	19.1580	µg/mL	Stressed
38	2-Chloronaphthalene		1,007.0	µg/mL	+/-	5.8683	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot RPN7O)			+/-	12.0443	µg/mL	Unstressed
	Purity 99%				+/-	19.1620	µg/mL	Stressed
39	Biphenyl		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCL6515)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed

40	2-Nitroaniline		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 88-74-4	(Lot MKCJ8895)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed
41	Acenaphthylene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 208-96-8	(Lot Q24W)			+/-	12.0104	µg/mL	Unstressed
	Purity 96%				+/-	19.1080	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 99-65-0	(Lot 1-DXX-24-1)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
43	Dimethylphthalate		1,008.0	µg/mL	+/-	5.8741	µg/mL	Gravimetric
	CAS # 131-11-3	(Lot 10117699)			+/-	12.0563	µg/mL	Unstressed
	Purity 99%				+/-	19.1811	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 606-20-2	(Lot BCCG1833)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
45	3-Nitroaniline		1,008.7	µg/mL	+/-	5.8780	µg/mL	Gravimetric
	CAS # 99-09-2	(Lot MKCH5457)			+/-	12.0643	µg/mL	Unstressed
	Purity 99%				+/-	19.1937	µg/mL	Stressed
46	Acenaphthene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 83-32-9	(Lot MKCQ4733)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
47	2,4-Dinitrophenol		2,016.3	µg/mL	+/-	11.7231	µg/mL	Gravimetric
	CAS # 51-28-5	(Lot STBK5145-DR3)			+/-	24.1034	µg/mL	Unstressed
	Purity 99%				+/-	38.3602	µg/mL	Stressed
48	Dibenzofuran		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 132-64-9	(Lot MKCN1772)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
49	4-Nitrophenol		2,007.5	µg/mL	+/-	11.6718	µg/mL	Gravimetric
	CAS # 100-02-7	(Lot MKCN1089)			+/-	23.9978	µg/mL	Unstressed
	Purity 99%				+/-	38.1921	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,003.8	µg/mL	+/-	5.8499	µg/mL	Gravimetric
	CAS # 121-14-2	(Lot MKAA0690V)			+/-	12.0065	µg/mL	Unstressed
	Purity 99%				+/-	19.1018	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 58-90-2	(Lot PR-30126)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
52	Fluorene		1,006.8	µg/mL	+/-	5.8673	µg/mL	Gravimetric
	CAS # 86-73-7	(Lot 094650L18G)			+/-	12.0423	µg/mL	Unstressed
	Purity 99%				+/-	19.1588	µg/mL	Stressed
53	n-Hexadecane (C16)		1,004.8	µg/mL	+/-	5.8556	µg/mL	Gravimetric
	CAS # 544-76-3	(Lot SHBM4146)			+/-	12.0183	µg/mL	Unstressed
	Purity 98%				+/-	19.1207	µg/mL	Stressed
54	Diethylphthalate		1,008.2	µg/mL	+/-	5.8751	µg/mL	Gravimetric
	CAS # 84-66-2	(Lot BCCD3396)			+/-	12.0583	µg/mL	Unstressed
	Purity 99%				+/-	19.1842	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 7005-72-3	(Lot MKCQ0984)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed

56	4-Nitroaniline		1,005.5	µg/mL	+/-	5.8596	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP220906)			+/-	12.0264	µg/mL	Unstressed
	Purity 99%				+/-	19.1335	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,012.0	µg/mL	+/-	11.6979	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP220915)			+/-	24.0516	µg/mL	Unstressed
	Purity 99%				+/-	38.2777	µg/mL	Stressed
58	Diphenylamine		853.5	µg/mL	+/-	4.9738	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKCH1042)			+/-	10.2084	µg/mL	Unstressed
	Purity 99%				+/-	16.2411	µg/mL	Stressed
59	Azobenzene		1,001.8	µg/mL	+/-	5.8382	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	11.9825	µg/mL	Unstressed
	Purity 99%				+/-	19.0637	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,007.2	µg/mL	+/-	5.8693	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBH6361)			+/-	12.0463	µg/mL	Unstressed
	Purity 99%				+/-	19.1652	µg/mL	Stressed
61	Hexachlorobenzene		1,006.0	µg/mL	+/-	5.8625	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot 13562400)			+/-	12.0324	µg/mL	Unstressed
	Purity 99%				+/-	19.1430	µg/mL	Stressed
62	Pentachlorophenol		2,016.7	µg/mL	+/-	11.7251	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)			+/-	24.1074	µg/mL	Unstressed
	Purity 99%				+/-	38.3665	µg/mL	Stressed
63	n-Octadecane (C18)		1,007.4	µg/mL	+/-	5.8709	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot UE5NG)			+/-	12.0496	µg/mL	Unstressed
	Purity 98%				+/-	19.1704	µg/mL	Stressed
64	Phenanthrene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCQ2033)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
65	Anthracene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCP3968)			+/-	12.0104	µg/mL	Unstressed
	Purity 99%				+/-	19.1081	µg/mL	Stressed
66	Carbazole		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 13058900)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed
67	Di-n-butylphthalate		1,001.2	µg/mL	+/-	5.8343	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCN4337)			+/-	11.9746	µg/mL	Unstressed
	Purity 99%				+/-	19.0510	µg/mL	Stressed
68	Fluoranthene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCQ4728)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
69	Pyrene		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCG7845)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
70	Benzyl butyl phthalate		1,008.5	µg/mL	+/-	5.8771	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCN9008)			+/-	12.0623	µg/mL	Unstressed
	Purity 99%				+/-	19.1906	µg/mL	Stressed
71	Benz(a)anthracene		1,001.9	µg/mL	+/-	5.8387	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP220209)			+/-	11.9836	µg/mL	Unstressed
	Purity 96%				+/-	19.0654	µg/mL	Stressed

72	Chrysene		1,007.0	µg/mL	+/-	5.8683	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot 468677L08C)			+/-	12.0443	µg/mL	Unstressed
	Purity 99%				+/-	19.1620	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCQ3468)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
74	Di-n-octyl phthalate		1,006.5	µg/mL	+/-	5.8654	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 13651900)			+/-	12.0383	µg/mL	Unstressed
	Purity 99%				+/-	19.1525	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,001.3	µg/mL	+/-	5.8353	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012022B)			+/-	11.9765	µg/mL	Unstressed
	Purity 99%				+/-	19.0542	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,005.7	µg/mL	+/-	5.8605	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012022K)			+/-	12.0284	µg/mL	Unstressed
	Purity 99%				+/-	19.1367	µg/mL	Stressed
77	Benzo(a)pyrene		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot Z8BKF)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,002.5	µg/mL	+/-	5.8421	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 8-URV-39-3)			+/-	11.9905	µg/mL	Unstressed
	Purity 99%				+/-	19.0764	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,007.3	µg/mL	+/-	5.8703	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	12.0483	µg/mL	Unstressed
	Purity 99%				+/-	19.1684	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,003.4	µg/mL	+/-	5.8471	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot PMEVE)			+/-	12.0008	µg/mL	Unstressed
	Purity 98%				+/-	19.0927	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

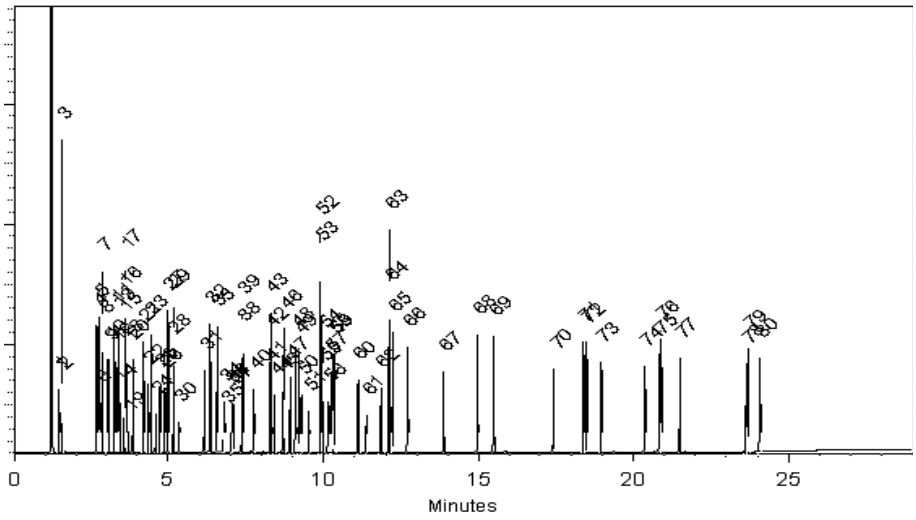
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** B442140311

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 17-Oct-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SM_TCDD_00015

ACCREDITED
Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: SVO-TANJ-12 **Lot No.** AA190709011

Description: Custom

Matrix: Methylene Chloride

Manufactured Date: 7-9-2019
Expiration Date: 7-8-2022

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
1,2,3,4-Tetrachlorodibenzo-p-dioxin	30746-58-8	50 µg/mL	100%	50.5 µg/mL	± 1.3 µg/mL

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: 7-9-2019

Certifying Officer: Shannon Mace
Shannon Macieira, Operations Manager

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Reagent

Vinyl Acetate_00097

R2448

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0200199

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD220630	99%	5,036.0 µg/mL	+/- 174.0672

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VMC21SU_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT

Part Number: 19167
Lot Number: 030822
Description: CLP - Instrument Performance Check Solution
p-Bromofluorobenzene
Expiration Date: 030827
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2500
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EB373-US

R2384

MS 3/31/23 #10669421

5E-05 Balance Uncertainty

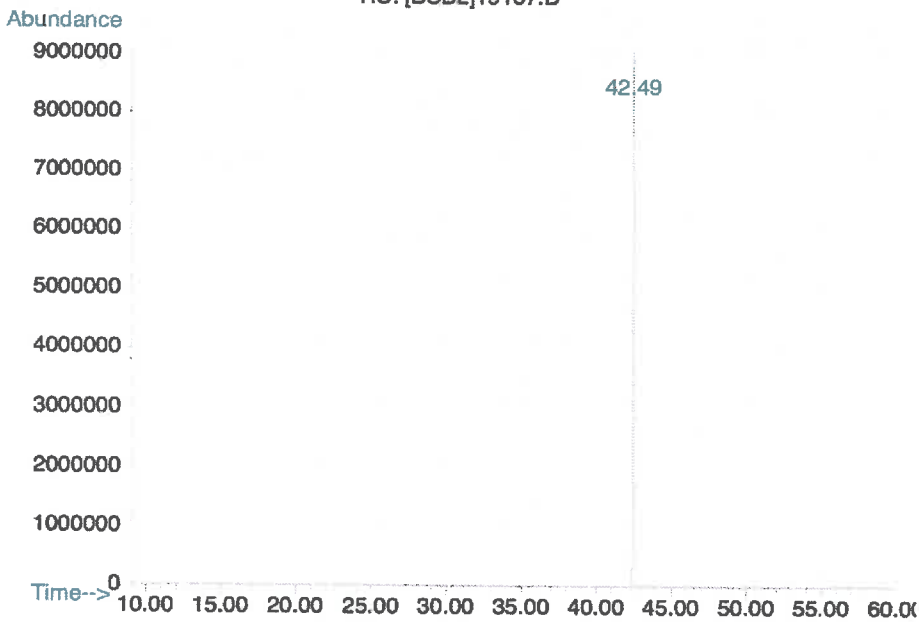
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

		030822
Formulated By:	Benson Chan	DATE
		030822
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. p-Bromofluorobenzene	48	01127COV	2500	99	0.2	0.25254	0.25286	2503.2	10.2	460-00-4	N/A	orl-rat 2700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness).Temp. 1=35°C (10min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. Solvent vent time = 6 min. Analysis performed by Candice Warren.

TIC: [BSB2]19167.D



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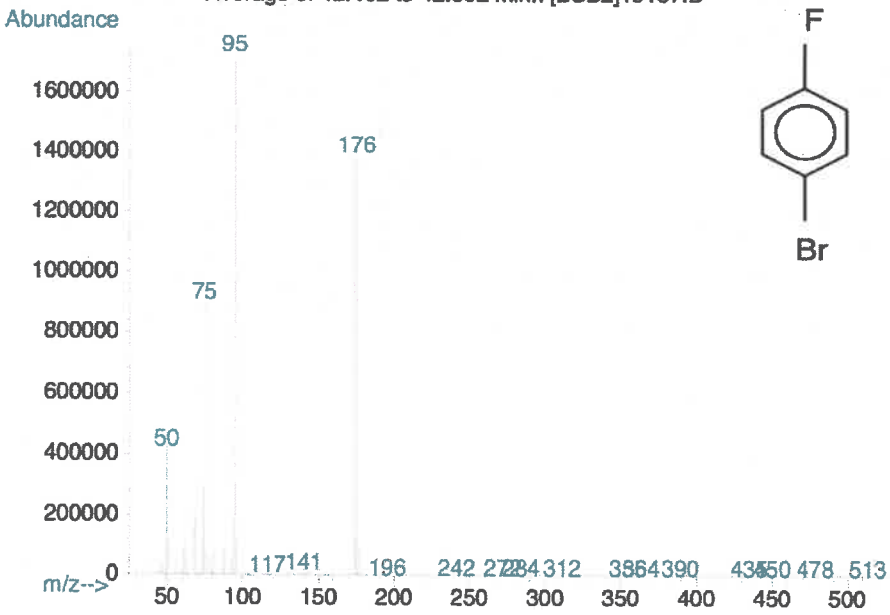

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

WTcnSP1_00039

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

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Product:	1000 mg/L Free Cyanide
Catalog Number:	048-125mL, 997-500mL
Lot No.	181023m
Starting Material:	Potassium Cyanide (KCN)
Matrix:	18 megohm deionized water and 0.5% (v/v) NaOH
Density:	1.0082 ± 0.0003 g/mL 21.7 °C and 773 mm Hg
Verification Method:	Spectrophotometry
Certificate Issue Date:	October 12, 2023
Expiration Date:	October 6, 2024
Revision Number:	Original

rec'd 12/20/23

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	NIST Traceability	
	mg/L	%	SRM Number[3]	Recovery %
Free Cyanide	1000	2.34	-	-

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16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ 800.372.0122 ▪ 303.431.8454 ▪ fax 303.421.0159 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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1. The **Certified Value** is the actual gravimetric/volumetric "made-to" concentration confirmed by ERA analytical verification. The certified value is monitored and the purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

4. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

5. **Storage:** 20-25°C

6. **Intended Use:** This standard is intended to be used to calibrate your analytical process and/or as a quality control check of the entire process for the analytes/matrix included in the standard.

7. **Minimum Sample Size:** ERA suggests that when subsampling this product prior to analysis, you use a minimum sample size of at least 1 mL. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown.

8. **Repeat Sampling:** Repeated Sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.

9. **Safety:** ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website: www.eraqc.com

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical Departments.

ACCREDITED
CERT #1539.02

ACCREDITED
CERT #1539.03

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Reagent

WTCNstock_00020

ERA

A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

3/27/2024
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Product:	1000 mg/L Complex Cyanide
Catalog Number:	049-125mL, 998-500mL
Lot No.	510922m
Starting Material:	Potassium Ferrocyanide 3-Hydrate ($K_4Fe(CN)_6$-$3H_2O$)
Matrix:	18 megohm deionized water and 0.5% (v/v) NaOH
Density:	1.0086 ± 0.0003 g/mL · 20.4 °C and 768 mm Hg
Verification Method:	Spectrophotometry
Certificate Issue Date:	November 9, 2022
Expiration Date:	September 26, 2024
Revision Number:	Original

rec'd 2/3/23

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	NIST Traceability	
	mg/L	%	SRM Number[3]	Recovery %
Complex Cyanide	1000	1.72	-	-

Page 379 of 2311

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ 800.372.0122 ▪ 303.431.8454 ▪ fax 303.421.0159 ▪ www.eraqc.com

Certified Reference Material

▪ Certificate of Analysis ▪

1. The **Certified Value** is the actual gravimetric/volumetric "made-to" concentration confirmed by ERA analytical verification. The certified value is monitored and the purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

Uexpanded = Expanded uncertainty.
k = Coverage factor.
Uchar = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
Uhomogen = Standard uncertainty of the homogeneity assessment.
ULTS = Standard uncertainty associated with long-term stability.
USTS = Standard uncertainty associated with short-term (transport) stability.
URSS = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

4. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

5. **Storage:** 20-25°C

6. **Intended Use:** This standard is intended to be used to calibrate your analytical process and/or as a quality control check of the entire process for the analytes/matrix included in the standard.

7. **Minimum Sample Size:** ERA suggests that when subsampling this product prior to analysis, you use a minimum sample size of at least 1 mL. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown.

8. **Repeat Sampling:** Repeated Sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.

9. **Safety:** ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website: www.eraqc.com

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer
Brian Miller

Brian Miller

Quality Officer
Matthew Seebeck

ISO 17034:2016
ACCREDITED
Reference Material Producer
CERT #1539.03

ISO/IEC 17025:2017
ACCREDITED
Chemical Testing Laboratory
CERT #1539.02

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Reagent

WTCNstock2_00033

RICCA CHEMICAL COMPANY®

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1311C03 **Product Number:** 2543

Manufacture Date: NOV 02, 2023
Expiration Date: APR 2024

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Heidi J Green (11/02/2023)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-12	460-300484-1	99	101	99	108
MW-16R	460-300484-2	98	100	99	110
MW-17R	460-300484-3	99	101	98	108
DUP_03182024	460-300484-4	97	100	100	110
	MB 460-965386/8	97	100	101	108
	LCS 460-965386/4	96	99	102	108
	LCSD 460-965386/5	97	98	103	111
MW-16R MS	460-300484-2 MS	98	101	104	110
MW-16R MSD	460-300484-2 MSD	97	100	100	109

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-132
DCA = 1,2-Dichloroethane-d4 (Surr)	70-128
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77687.D

Lab ID: LCS 460-965386/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.2	116	72-128	
1,1,2,2-Tetrachloroethane	20.0	21.2	106	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	22.1	111	51-142	
1,1,2-Trichloroethane	20.0	22.0	110	74-125	
1,1-Dichloroethane	20.0	23.8	119	73-130	
1,1-Dichloroethene	20.0	22.7	114	68-133	
1,2,3-Trichlorobenzene	20.0	24.0	120	52-120	
1,2,4-Trichlorobenzene	20.0	24.1	120	67-132	
1,2-Dibromo-3-Chloropropane	20.0	19.8	99	58-132	
1,2-Dichlorobenzene	20.0	22.7	114	80-120	
1,2-Dichloroethane	20.0	22.3	112	66-129	
1,2-Dichloropropane	20.0	23.3	116	68-128	
1,3-Dichlorobenzene	20.0	22.9	115	80-120	
1,4-Dichlorobenzene	20.0	23.2	116	80-120	
1,4-Dioxane	400	607	152	10-120	*
2-Butanone (MEK)	100	119	119	61-142	
2-Hexanone	100	113	113	61-134	
4-Methyl-2-pentanone (MIBK)	100	104	104	69-139	
Acetone	100	117	117	49-149	
Benzene	20.0	24.2	121	71-126	
Bromoform	20.0	21.4	107	58-136	
Bromomethane	20.0	18.7	94	10-120	
Carbon disulfide	20.0	23.5	118	68-138	
Carbon tetrachloride	20.0	22.8	114	65-142	
Chlorobenzene	20.0	23.0	115	80-120	
Chlorobromomethane	20.0	22.5	112	76-134	
Chlorodibromomethane	20.0	21.2	106	69-130	
Chloroethane	20.0	19.5	97	48-150	
Chloroform	20.0	22.4	112	78-125	
Chloromethane	20.0	19.0	95	43-140	
cis-1,2-Dichloroethene	20.0	22.5	113	78-121	
cis-1,3-Dichloropropene	20.0	23.3	116	74-125	
Cyclohexane	20.0	25.0	125	60-142	
Dichlorobromomethane	20.0	21.2	106	76-121	
Dichlorodifluoromethane	20.0	18.6	93	27-120	
Ethylbenzene	20.0	23.6	118	78-120	
Ethylene Dibromide	20.0	21.6	108	79-126	
Isopropylbenzene	20.0	24.1	120	79-125	
Methyl acetate	40.0	40.8	102	43-120	
Methyl tert-butyl ether	20.0	21.1	106	72-131	
Methylcyclohexane	20.0	23.5	117	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77687.D

Lab ID: LCS 460-965386/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	23.4	117	74-127	
m-Xylene & p-Xylene	20.0	23.4	117	78-120	
o-Xylene	20.0	23.3	116	78-120	
Styrene	20.0	23.7	118	82-127	
Tetrachloroethene	20.0	23.8	119	70-127	
Toluene	20.0	22.0	110	78-120	
trans-1,2-Dichloroethene	20.0	22.8	114	74-126	
trans-1,3-Dichloropropene	20.0	22.6	113	66-127	
Trichloroethene	20.0	22.9	115	51-121	
Trichlorofluoromethane	20.0	19.6	98	50-120	
Vinyl chloride	20.0	20.4	102	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77688.D

Lab ID: LCSD 460-965386/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	23.0	115	1	30	72-128	
1,1,2,2-Tetrachloroethane	20.0	21.4	107	1	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.7	108	2	30	51-142	
1,1,2-Trichloroethane	20.0	22.0	110	0	30	74-125	
1,1-Dichloroethane	20.0	24.0	120	1	30	73-130	
1,1-Dichloroethene	20.0	22.4	112	1	30	68-133	
1,2,3-Trichlorobenzene	20.0	23.6	118	1	30	52-120	
1,2,4-Trichlorobenzene	20.0	23.9	120	1	30	67-132	
1,2-Dibromo-3-Chloropropane	20.0	19.7	99	0	30	58-132	
1,2-Dichlorobenzene	20.0	23.1	115	1	30	80-120	
1,2-Dichloroethane	20.0	22.8	114	2	30	66-129	
1,2-Dichloropropane	20.0	23.3	116	0	30	68-128	
1,3-Dichlorobenzene	20.0	23.5	117	2	30	80-120	
1,4-Dichlorobenzene	20.0	23.4	117	1	30	80-120	
1,4-Dioxane	400	623	156	3	30	10-120	*
2-Butanone (MEK)	100	120	120	1	30	61-142	
2-Hexanone	100	119	119	5	30	61-134	
4-Methyl-2-pentanone (MIBK)	100	108	108	4	30	69-139	
Acetone	100	114	114	3	30	49-149	
Benzene	20.0	24.1	121	0	30	71-126	
Bromoform	20.0	22.2	111	4	30	58-136	
Bromomethane	20.0	18.3	92	2	30	10-120	
Carbon disulfide	20.0	22.8	114	3	30	68-138	
Carbon tetrachloride	20.0	22.8	114	0	30	65-142	
Chlorobenzene	20.0	23.5	117	2	30	80-120	
Chlorobromomethane	20.0	22.4	112	1	30	76-134	
Chlorodibromomethane	20.0	22.3	111	5	30	69-130	
Chloroethane	20.0	18.3	91	6	30	48-150	
Chloroform	20.0	22.6	113	1	30	78-125	
Chloromethane	20.0	17.7	89	7	30	43-140	
cis-1,2-Dichloroethene	20.0	22.8	114	1	30	78-121	
cis-1,3-Dichloropropene	20.0	24.2	121	4	30	74-125	
Cyclohexane	20.0	24.2	121	4	30	60-142	
Dichlorobromomethane	20.0	21.6	108	2	30	76-121	
Dichlorodifluoromethane	20.0	18.0	90	3	30	27-120	
Ethylbenzene	20.0	23.7	119	1	30	78-120	
Ethylene Dibromide	20.0	22.4	112	3	30	79-126	
Isopropylbenzene	20.0	24.1	120	0	30	79-125	
Methyl acetate	40.0	41.7	104	2	30	43-120	
Methyl tert-butyl ether	20.0	21.7	108	3	30	72-131	
Methylcyclohexane	20.0	23.2	116	1	30	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77688.D

Lab ID: LCSD 460-965386/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	20.0	23.0	115	2	30	74-127	
m-Xylene & p-Xylene	20.0	23.6	118	1	30	78-120	
o-Xylene	20.0	23.8	119	2	30	78-120	
Styrene	20.0	24.0	120	1	30	82-127	
Tetrachloroethene	20.0	24.2	121	2	30	70-127	
Toluene	20.0	22.4	112	2	30	78-120	
trans-1,2-Dichloroethene	20.0	22.9	114	0	30	74-126	
trans-1,3-Dichloropropene	20.0	23.9	120	6	30	66-127	
Trichloroethene	20.0	23.6	118	3	30	51-121	
Trichlorofluoromethane	20.0	20.3	101	3	30	50-120	
Vinyl chloride	20.0	19.5	98	5	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77702.D

Lab ID: 460-300484-2 MS Client ID: MW-16R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	40.0	2.0 U	42.9	107	72-128	
1,1,2,2-Tetrachloroethane	40.0	2.0 U	42.5	106	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	2.0 U	44.2	111	51-142	
1,1,2-Trichloroethane	40.0	2.0 U	43.3	108	74-125	
1,1-Dichloroethane	40.0	2.0 U	44.3	111	73-130	
1,1-Dichloroethene	40.0	2.0 U	42.4	106	68-133	
1,2,3-Trichlorobenzene	40.0	2.0 U	46.4	116	52-120	
1,2,4-Trichlorobenzene	40.0	2.0 U	47.2	118	67-132	
1,2-Dibromo-3-Chloropropane	40.0	2.0 U	41.4	104	58-132	
1,2-Dichlorobenzene	40.0	2.0 U	43.2	108	80-120	
1,2-Dichloroethane	40.0	2.0 U	43.2	108	66-129	
1,2-Dichloropropane	40.0	2.0 U	43.0	107	68-128	
1,3-Dichlorobenzene	40.0	10	52.4	105	80-120	
1,4-Dichlorobenzene	40.0	290	285	-3	80-120	*
1,4-Dioxane	800	100 U	1010	126	10-120	*
2-Butanone (MEK)	200	10 U	205	103	61-142	
2-Hexanone	200	10 U	205	102	61-134	
4-Methyl-2-pentanone (MIBK)	200	10 U	194	97	69-139	
Acetone	200	10 U	175	87	49-149	
Benzene	40.0	11	55.0	110	71-126	
Bromoform	40.0	2.0 U	35.7	89	58-136	
Bromomethane	40.0	2.0 U	33.3	83	10-120	
Carbon disulfide	40.0	2.0 U	41.6	104	68-138	
Carbon tetrachloride	40.0	2.0 U	43.9	110	65-142	
Chlorobenzene	40.0	760	697	-168	80-120	*
Chlorobromomethane	40.0	2.0 U	42.9	107	76-134	
Chlorodibromomethane	40.0	2.0 U	38.5	96	69-130	
Chloroethane	40.0	2.0 U	35.3	88	48-150	
Chloroform	40.0	2.0 U	42.5	106	78-125	
Chloromethane	40.0	2.0 U	31.7	79	43-140	
cis-1,2-Dichloroethene	40.0	2.0 U	42.8	107	78-121	
cis-1,3-Dichloropropene	40.0	2.0 U	44.7	112	74-125	
Cyclohexane	40.0	2.0 U	48.8	122	60-142	
Dichlorobromomethane	40.0	2.0 U	40.2	101	76-121	
Dichlorodifluoromethane	40.0	2.0 U	36.6	91	27-120	
Ethylbenzene	40.0	2.0 U	45.0	112	78-120	
Ethylene Dibromide	40.0	2.0 U	42.2	106	79-126	
Isopropylbenzene	40.0	2.0 U	46.2	115	79-125	
Methyl acetate	80.0	10 U	79.4	99	43-120	
Methyl tert-butyl ether	40.0	2.0 U	41.7	104	72-131	
Methylcyclohexane	40.0	2.0 U	46.8	117	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77702.D

Lab ID: 460-300484-2 MS Client ID: MW-16R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Methylene Chloride	40.0	2.0 U	43.9	110	74-127	
m-Xylene & p-Xylene	40.0	2.0 U	44.7	112	78-120	
o-Xylene	40.0	2.0 U	44.8	112	78-120	
Styrene	40.0	2.0 U	43.2	108	82-127	
Tetrachloroethene	40.0	2.0 U	46.7	117	70-127	
Toluene	40.0	2.0 U	42.6	107	78-120	
trans-1,2-Dichloroethene	40.0	2.0 U	43.3	108	74-126	
trans-1,3-Dichloropropene	40.0	2.0 U	44.1	110	66-127	
Trichloroethene	40.0	2.0 U	42.4	106	51-121	
Trichlorofluoromethane	40.0	2.0 U	36.5	91	50-120	
Vinyl chloride	40.0	2.0 U	35.7	89	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77703.D

Lab ID: 460-300484-2 MSD Client ID: MW-16R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	40.0	43.9	110	2	30	72-128	
1,1,2,2-Tetrachloroethane	40.0	42.8	107	1	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	40.0	44.2	110	0	30	51-142	
1,1,2-Trichloroethane	40.0	42.0	105	3	30	74-125	
1,1-Dichloroethane	40.0	44.8	112	1	30	73-130	
1,1-Dichloroethene	40.0	44.0	110	4	30	68-133	
1,2,3-Trichlorobenzene	40.0	47.4	118	2	30	52-120	
1,2,4-Trichlorobenzene	40.0	47.8	120	1	30	67-132	
1,2-Dibromo-3-Chloropropane	40.0	43.2	108	4	30	58-132	
1,2-Dichlorobenzene	40.0	43.6	109	1	30	80-120	
1,2-Dichloroethane	40.0	44.0	110	2	30	66-129	
1,2-Dichloropropane	40.0	44.1	110	3	30	68-128	
1,3-Dichlorobenzene	40.0	53.5	108	2	30	80-120	
1,4-Dichlorobenzene	40.0	290	9	2	30	80-120	*
1,4-Dioxane	800	1150	144	13	30	10-120	*
2-Butanone (MEK)	200	208	104	1	30	61-142	
2-Hexanone	200	217	109	6	30	61-134	
4-Methyl-2-pentanone (MIBK)	200	204	102	5	30	69-139	
Acetone	200	176	88	0	30	49-149	
Benzene	40.0	54.6	109	1	30	71-126	
Bromoform	40.0	36.3	91	2	30	58-136	
Bromomethane	40.0	34.0	85	2	30	10-120	
Carbon disulfide	40.0	42.0	105	1	30	68-138	
Carbon tetrachloride	40.0	43.4	109	1	30	65-142	
Chlorobenzene	40.0	692	-179	1	30	80-120	*
Chlorobromomethane	40.0	43.9	110	2	30	76-134	
Chlorodibromomethane	40.0	37.5	94	2	30	69-130	
Chloroethane	40.0	34.4	86	3	30	48-150	
Chloroform	40.0	42.3	106	1	30	78-125	
Chloromethane	40.0	32.4	81	2	30	43-140	
cis-1,2-Dichloroethene	40.0	43.2	108	1	30	78-121	
cis-1,3-Dichloropropene	40.0	44.2	111	1	30	74-125	
Cyclohexane	40.0	49.4	124	1	30	60-142	
Dichlorobromomethane	40.0	39.8	99	1	30	76-121	
Dichlorodifluoromethane	40.0	35.2	88	4	30	27-120	
Ethylbenzene	40.0	45.5	114	1	30	78-120	
Ethylene Dibromide	40.0	42.2	105	0	30	79-126	
Isopropylbenzene	40.0	45.1	113	2	30	79-125	
Methyl acetate	80.0	79.8	100	1	30	43-120	
Methyl tert-butyl ether	40.0	41.9	105	0	30	72-131	
Methylcyclohexane	40.0	47.6	119	2	30	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77703.D

Lab ID: 460-300484-2 MSD Client ID: MW-16R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	40.0	44.4	111	1	30	74-127	
m-Xylene & p-Xylene	40.0	44.2	111	1	30	78-120	
o-Xylene	40.0	44.2	110	1	30	78-120	
Styrene	40.0	42.6	107	1	30	82-127	
Tetrachloroethene	40.0	45.3	113	3	30	70-127	
Toluene	40.0	42.0	105	1	30	78-120	
trans-1,2-Dichloroethene	40.0	42.9	107	1	30	74-126	
trans-1,3-Dichloropropene	40.0	42.8	107	3	30	66-127	
Trichloroethene	40.0	43.3	108	2	30	51-121	
Trichlorofluoromethane	40.0	39.8	100	9	30	50-120	
Vinyl chloride	40.0	36.8	92	3	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab File ID: TT77691.D Lab Sample ID: MB 460-965386/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS17 Date Analyzed: 03/22/2024 07:53

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-965386/4	TT77687.D	03/22/2024 06:35
	LCSD 460-965386/5	TT77688.D	03/22/2024 06:54
MW-12	460-300484-1	TT77695.D	03/22/2024 09:10
MW-17R	460-300484-3	TT77696.D	03/22/2024 09:30
DUP_03182024	460-300484-4	TT77698.D	03/22/2024 10:09
MW-16R	460-300484-2	TT77699.D	03/22/2024 10:30
MW-16R MS	460-300484-2 MS	TT77702.D	03/22/2024 11:28
MW-16R MSD	460-300484-2 MSD	TT77703.D	03/22/2024 11:48

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab File ID: TT76643.D BFB Injection Date: 02/22/2024

Instrument ID: CVOAMS17 BFB Injection Time: 06:43

Analysis Batch No.: 960584

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	117.7
96	5 - 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.8
174	50 - 200% of m/z 95	85.0
175	5 - 9% of m/z 174	7.2
176	95 -105% of m/z 174	98.1
177	5 - 10% of m/z 176	7.1

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-960584/3	TT76645.D	02/22/2024	7:23
	STD05 460-960584/4	TT76646.D	02/22/2024	7:42
	STD1 460-960584/5	TT76647.D	02/22/2024	8:03
	STD5 460-960584/6	TT76648.D	02/22/2024	8:23
	STD20 460-960584/7	TT76649.D	02/22/2024	8:42
	STD50 460-960584/8	TT76650.D	02/22/2024	9:02
	STD200 460-960584/9	TT76651.D	02/22/2024	9:21
	STD500 460-960584/10	TT76652.D	02/22/2024	9:41
	ICV 460-960584/14	TT76656.D	02/22/2024	10:59

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: STD20 460-960584/7 Date Analyzed: 02/22/2024 08:42

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT76649.D Heated Purge: (Y/N) N

Calibration ID: 96104

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		27115	2.96	178610	3.99	440754	5.07
UPPER LIMIT		54230	3.46	357220	4.49	881508	5.57
LOWER LIMIT		13558	2.46	89305	3.49	220377	4.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-960584/14		29440	2.97	204915	3.99	471263	5.07

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: STD20 460-960584/7 Date Analyzed: 02/22/2024 08:42

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT76649.D Heated Purge: (Y/N) N

Calibration ID: 96104

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		20567	5.74	333574	8.48	187435	11.08
UPPER LIMIT		41134	6.24	667148	8.98	374870	11.58
LOWER LIMIT		10284	5.24	166787	7.98	93718	10.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-960584/14		22382	5.75	355889	8.48	200661	11.08

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965386/3 Date Analyzed: 03/22/2024 06:15

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT77686.D Heated Purge: (Y/N) N

Calibration ID: 96104

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		36472	2.96	229350	3.99	599139	5.06
UPPER LIMIT		72944	3.46	458700	4.49	1198278	5.56
LOWER LIMIT		18236	2.46	114675	3.49	299570	4.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965386/4		35482	2.95	225848	3.99	563867	5.06
LCSD 460-965386/5		37543	2.96	244350	3.99	597904	5.07
MB 460-965386/8		38614	2.95	237813	3.98	567647	5.06
460-300484-1	MW-12	38011	2.96	241592	3.99	575550	5.07
460-300484-3	MW-17R	43765	2.96	249344	3.99	572297	5.07
460-300484-4	DUP_03182024	46295	2.95	250673	3.99	550871	5.06
460-300484-2	MW-16R	43068	2.96	251448	3.99	565098	5.06
460-300484-2 MS	MW-16R MS	52199	2.96	285401	3.99	603637	5.06
460-300484-2 MSD	MW-16R MSD	50136	2.96	276328	3.99	592333	5.06

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965386/3 Date Analyzed: 03/22/2024 06:15

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT77686.D Heated Purge: (Y/N) N

Calibration ID: 96104

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		25396	5.74	444255	8.47	258757	11.08
UPPER LIMIT		50792	6.24	888510	8.97	517514	11.58
LOWER LIMIT		12698	5.24	222128	7.97	129379	10.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965386/4		25036	5.74	413389	8.47	240758	11.08
LCSD 460-965386/5		26524	5.74	446953	8.48	259584	11.08
MB 460-965386/8		26070	5.74	418891	8.47	245376	11.08
460-300484-1	MW-12	25697	5.74	432689	8.48	252519	11.08
460-300484-3	MW-17R	29110	5.74	436044	8.47	255357	11.08
460-300484-4	DUP_03182024	29023	5.74	412478	8.47	246986	11.08
460-300484-2	MW-16R	26408	5.74	418451	8.47	248287	11.08
460-300484-2 MS	MW-16R MS	33203	5.74	437021	8.48	261927	11.08
460-300484-2 MSD	MW-16R MSD	32018	5.74	443316	8.47	258184	11.08

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Matrix: Water | Lab File ID: TT77695.D

Analysis Method: 8260D | Date Collected: 03/18/2024 13:50

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 09:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Matrix: Water | Lab File ID: TT77695.D

Analysis Method: 8260D | Date Collected: 03/18/2024 13:50

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 09:10

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-132
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77695.D
Lims ID: 460-300484-A-1
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 09:10:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-1
Misc. Info.: 460-0173682-012
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:15:06 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 09:49:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	38011	1000.0	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	241592	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.451	0.006	99	146756	49.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	147940	50.4	
* 66 Fluorobenzene	96	5.067	5.060	0.007	99	575550	50.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	25697	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	99	544575	49.7	
* 94 Chlorobenzene-d5	117	8.475	8.474	0.001	84	432689	50.0	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	96	194964	54.2	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	252519	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:15:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77695.D

Injection Date: 22-Mar-2024 09:10:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-1 Lab Sample ID: 460-300484-1

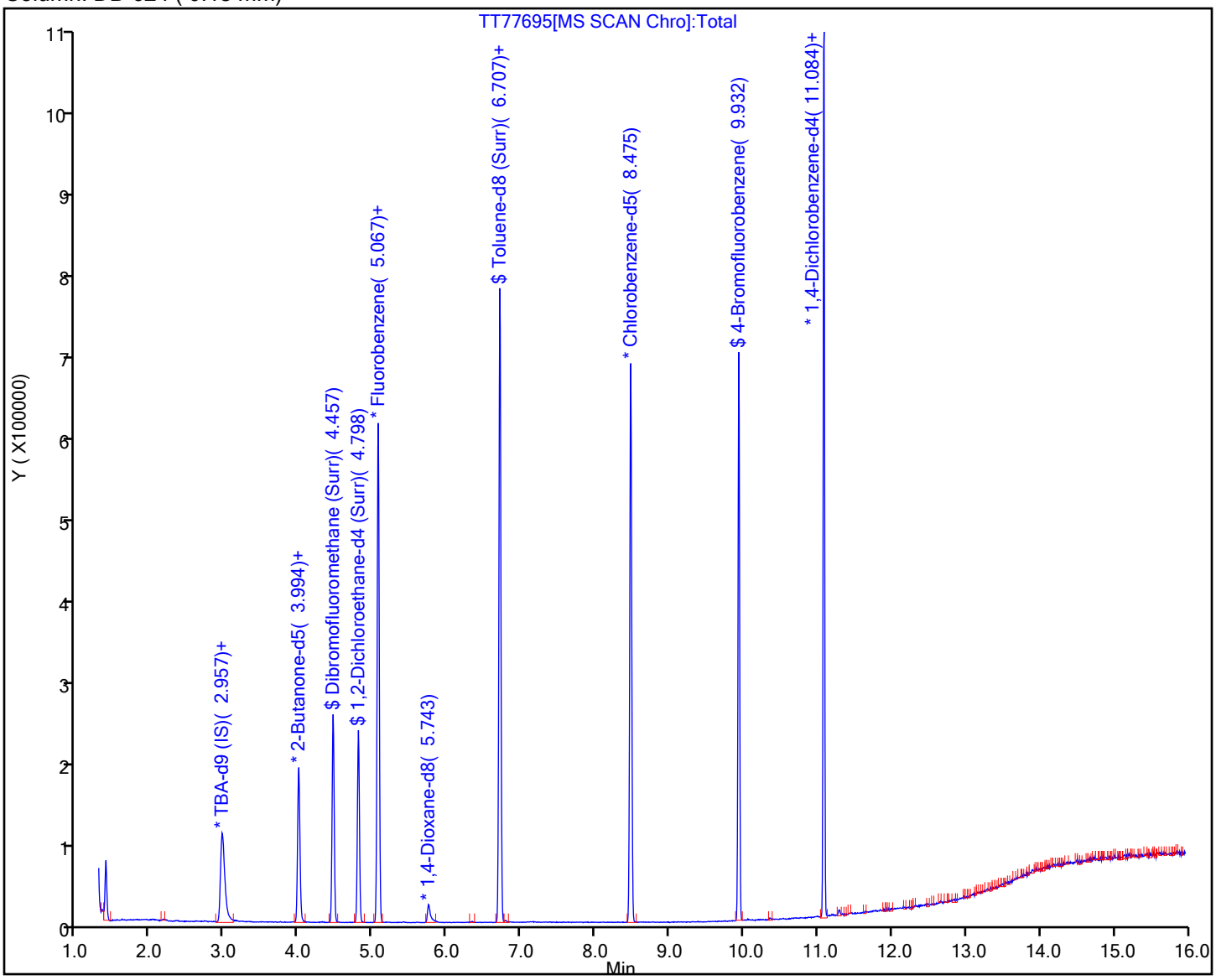
Client ID: MW-12

Operator ID: ALS Bottle#: 11 Worklist Smp#: 12

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77695.D
Lims ID: 460-300484-A-1
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 09:10:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-1
Misc. Info.: 460-0173682-012
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:15:06 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 09:49:03

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.3	98.51
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.4	100.76
$ 83 Toluene-d8 (Surr)	50.0	49.7	99.35
$ 105 4-Bromofluorobenzene	50.0	54.2	108.33

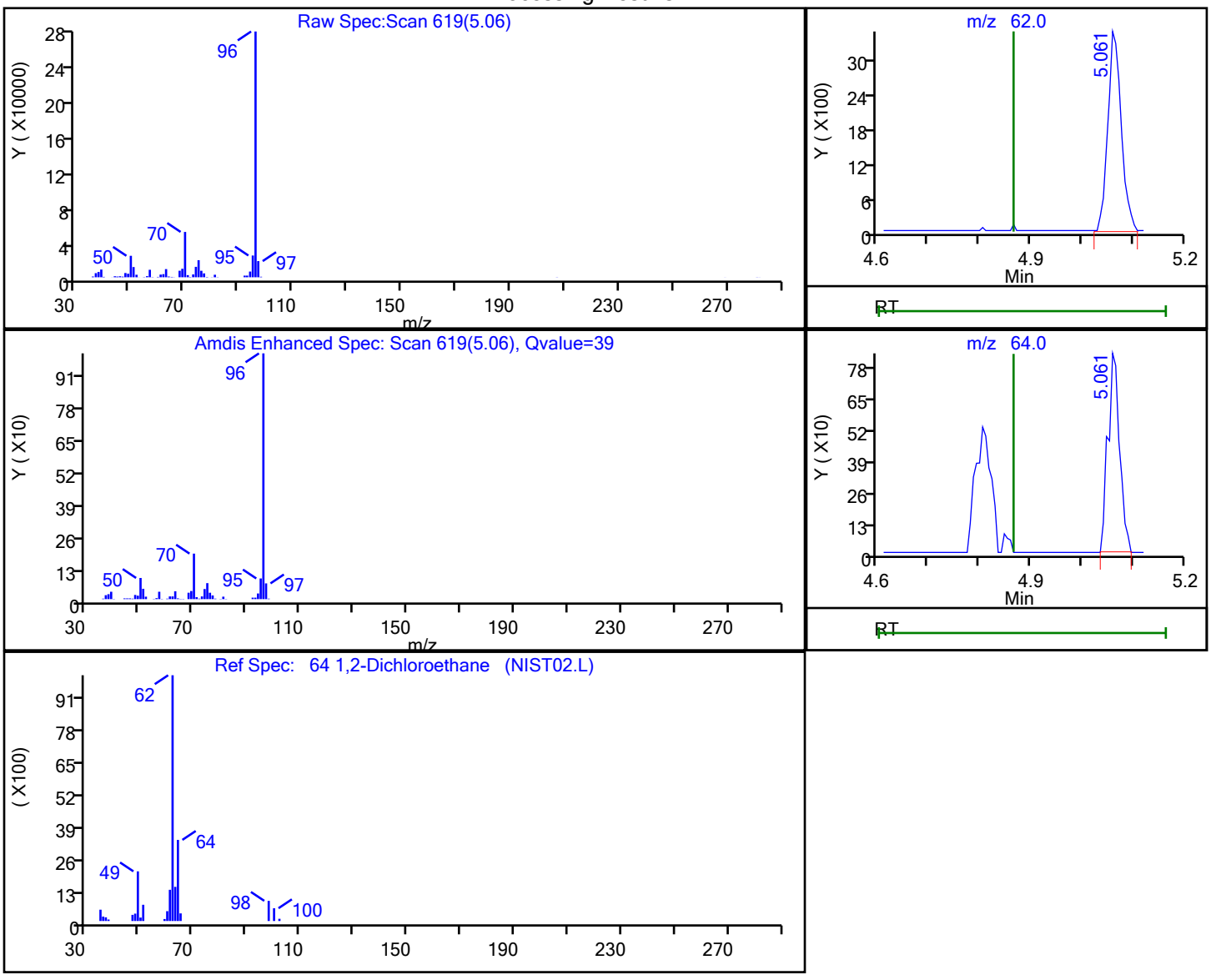
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77695.D				
Injection Date:	22-Mar-2024 09:10:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-1	Lab Sample ID:	460-300484-1		
Client ID:	MW-12				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.06	62.00	6369	2.041198
5.06	64.00	1342	

Reviewer: FK2C, 22-Mar-2024 09:48:55 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: TT77699.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 10:30

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	2.0	U	2.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	U	2.0	0.62
79-00-5	1,1,2-Trichloroethane	2.0	U	2.0	0.41
75-34-3	1,1-Dichloroethane	2.0	U	2.0	0.53
75-35-4	1,1-Dichloroethene	2.0	U	2.0	0.53
87-61-6	1,2,3-Trichlorobenzene	2.0	U	2.0	0.71
120-82-1	1,2,4-Trichlorobenzene	2.0	U	2.0	0.73
96-12-8	1,2-Dibromo-3-Chloropropane	2.0	U	2.0	0.75
95-50-1	1,2-Dichlorobenzene	2.0	U	2.0	0.42
107-06-2	1,2-Dichloroethane	2.0	U	2.0	0.86
78-87-5	1,2-Dichloropropane	2.0	U	2.0	0.71
541-73-1	1,3-Dichlorobenzene	10		2.0	0.68
106-46-7	1,4-Dichlorobenzene	290		2.0	0.67
123-91-1	1,4-Dioxane	100	U *	100	56
78-93-3	2-Butanone (MEK)	10	U	10	3.7
591-78-6	2-Hexanone	10	U	10	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	10	2.6
67-64-1	Acetone	10	U	10	8.8
71-43-2	Benzene	11		2.0	0.41
75-25-2	Bromoform	2.0	U	2.0	1.1
74-83-9	Bromomethane	2.0	U	2.0	1.1
75-15-0	Carbon disulfide	2.0	U	2.0	1.6
56-23-5	Carbon tetrachloride	2.0	U	2.0	0.42
108-90-7	Chlorobenzene	760		2.0	0.75
74-97-5	Chlorobromomethane	2.0	U	2.0	0.82
124-48-1	Chlorodibromomethane	2.0	U	2.0	0.56
75-00-3	Chloroethane	2.0	U	2.0	0.64
67-66-3	Chloroform	2.0	U	2.0	0.65
74-87-3	Chloromethane	2.0	U	2.0	0.80
156-59-2	cis-1,2-Dichloroethene	2.0	U	2.0	0.44
10061-01-5	cis-1,3-Dichloropropene	2.0	U	2.0	0.44
110-82-7	Cyclohexane	2.0	U	2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: TT77699.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 10:30

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	2.0	U	2.0	0.69
75-71-8	Dichlorodifluoromethane	2.0	U	2.0	0.62
100-41-4	Ethylbenzene	2.0	U	2.0	0.60
106-93-4	Ethylene Dibromide	2.0	U	2.0	1.0
98-82-8	Isopropylbenzene	2.0	U	2.0	0.67
79-20-9	Methyl acetate	10	U	10	1.6
1634-04-4	Methyl tert-butyl ether	2.0	U	2.0	0.43
108-87-2	Methylcyclohexane	2.0	U	2.0	1.4
75-09-2	Methylene Chloride	2.0	U	2.0	0.63
179601-23-1	m-Xylene & p-Xylene	2.0	U	2.0	0.59
95-47-6	o-Xylene	2.0	U	2.0	0.72
100-42-5	Styrene	2.0	U	2.0	0.83
127-18-4	Tetrachloroethene	2.0	U	2.0	0.50
108-88-3	Toluene	2.0	U	2.0	0.76
156-60-5	trans-1,2-Dichloroethene	2.0	U	2.0	0.47
10061-02-6	trans-1,3-Dichloropropene	2.0	U	2.0	0.45
79-01-6	Trichloroethene	2.0	U	2.0	0.63
75-69-4	Trichlorofluoromethane	2.0	U	2.0	0.64
75-01-4	Vinyl chloride	2.0	U	2.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D
Lims ID: 460-300484-B-2
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 10:30:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-B-2
Misc. Info.: 460-0173682-016
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:17:26 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 11:35:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	43068	1000.0	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	251448	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	143019	48.9	
60 Benzene	78	4.780	4.780	0.000	94	57062	5.55	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	144040	50.0	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	565098	50.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	26408	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	526461	49.7	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	418451	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	96	2763219	381.9	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	191455	55.0	
119 1,3-Dichlorobenzene	146	11.010	11.011	-0.001	98	33457	5.20	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	248287	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	930404	143.3	
S 140 Total BTEX	1				0		5.55	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:19:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D

Injection Date: 22-Mar-2024 10:30:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-B-2 Lab Sample ID: 460-300484-2

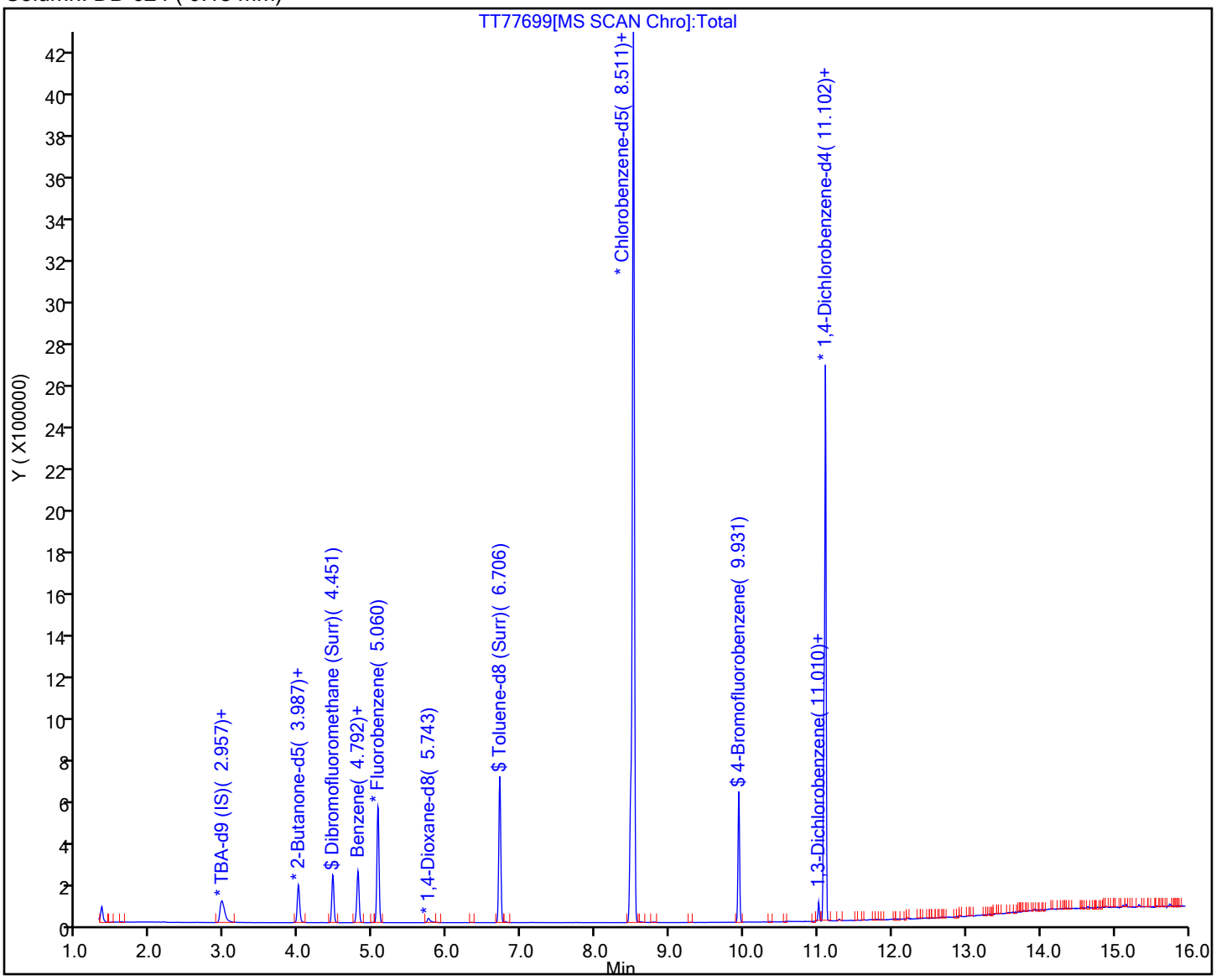
Client ID: MW-16R

Operator ID: ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D
Lims ID: 460-300484-B-2
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 10:30:30 ALS Bottle#: 15 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-B-2
Misc. Info.: 460-0173682-016
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:17:26 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 11:35:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.9	97.78
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.0	99.92
$ 83 Toluene-d8 (Surr)	50.0	49.7	99.31
$ 105 4-Bromofluorobenzene	50.0	55.0	110.00

Report Date: 22-Mar-2024 12:19:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D

Injection Date: 22-Mar-2024 10:30:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-B-2 Lab Sample ID: 460-300484-2

Client ID: MW-16R

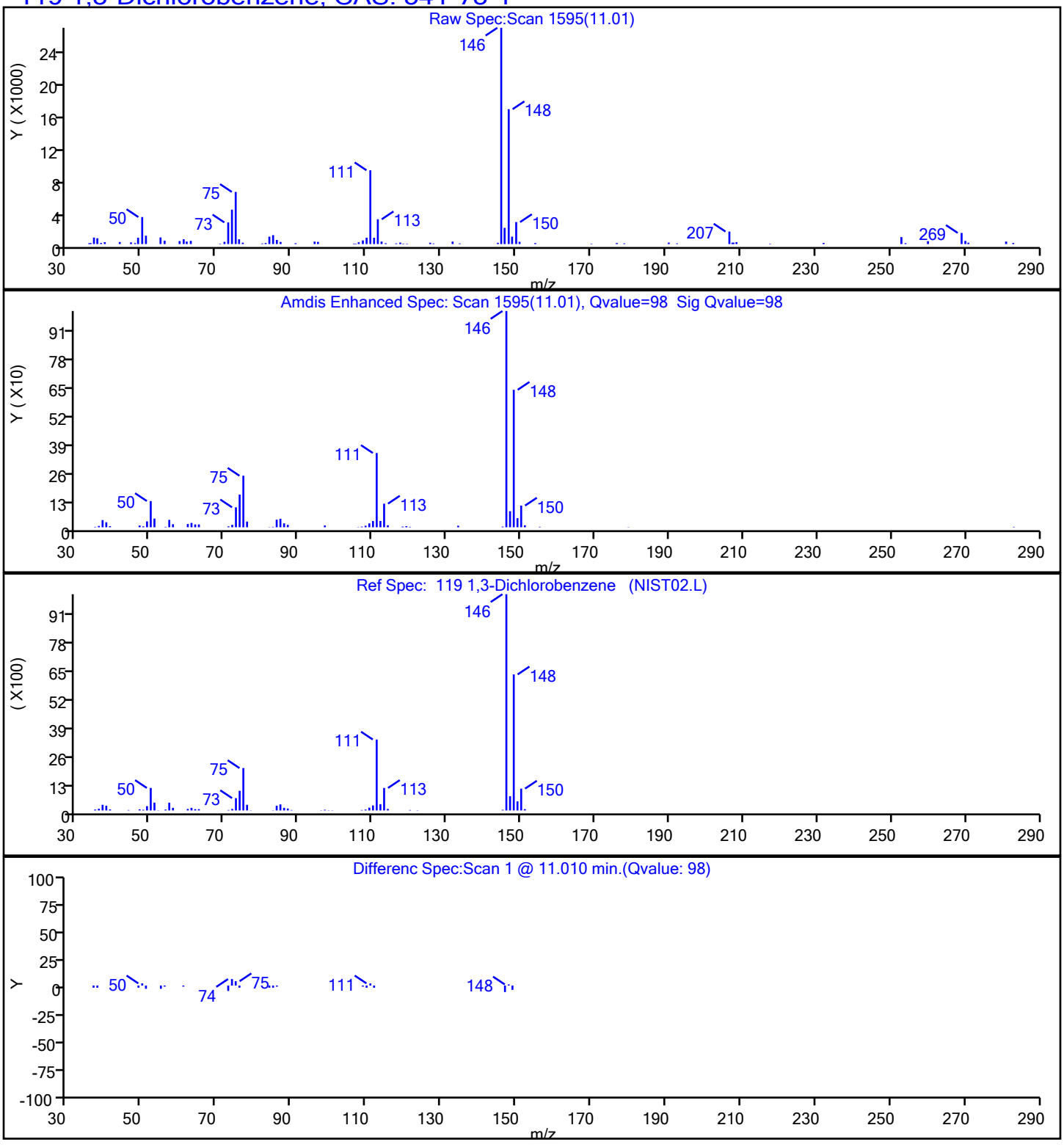
Operator ID: ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm) Detector MS Quad

119 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 22-Mar-2024 12:19:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D

Injection Date: 22-Mar-2024 10:30:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-B-2 Lab Sample ID: 460-300484-2

Client ID: MW-16R

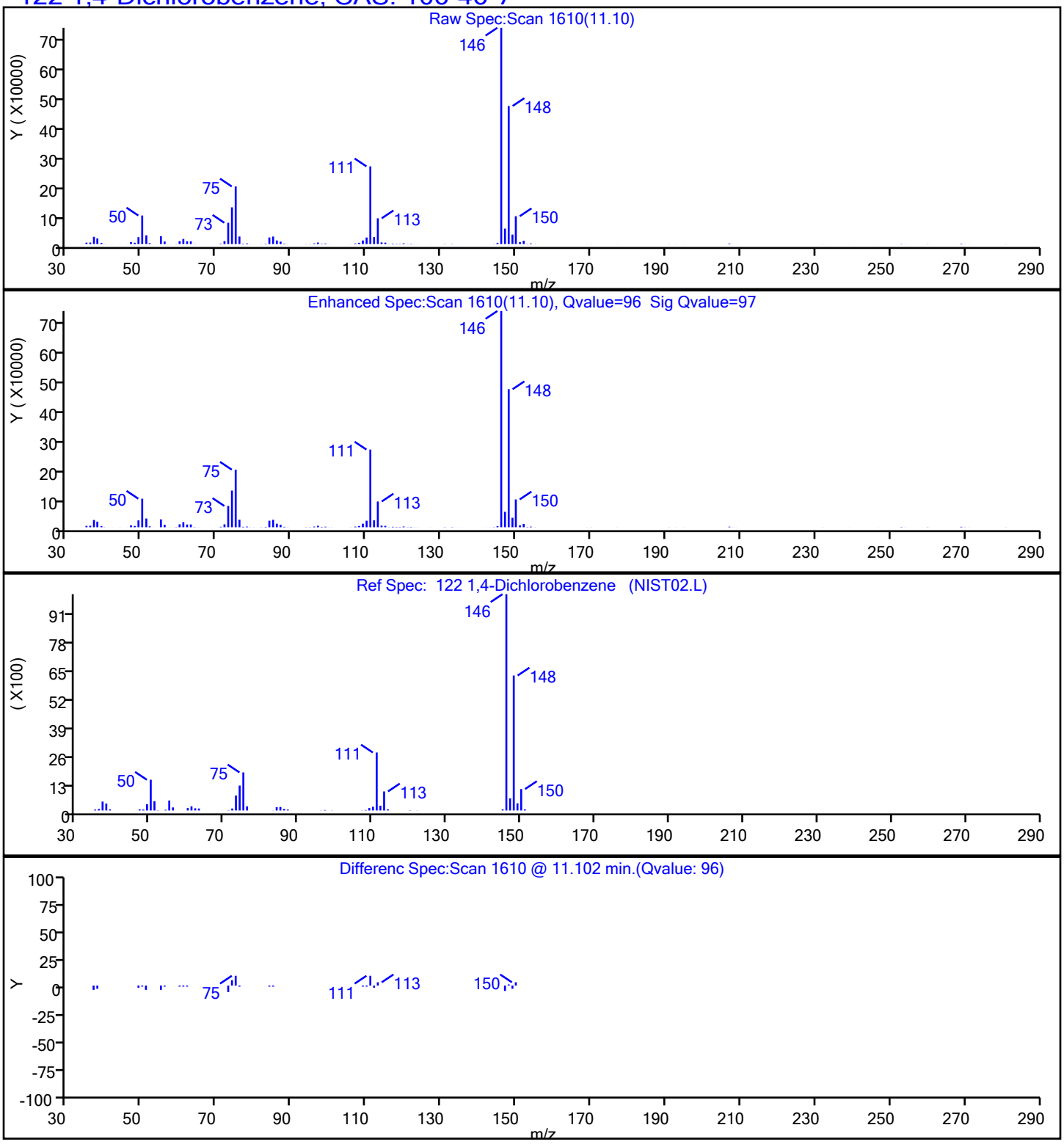
Operator ID: ALS Bottle#: 15 Worklist Smp#: 16

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm) Detector MS Quad

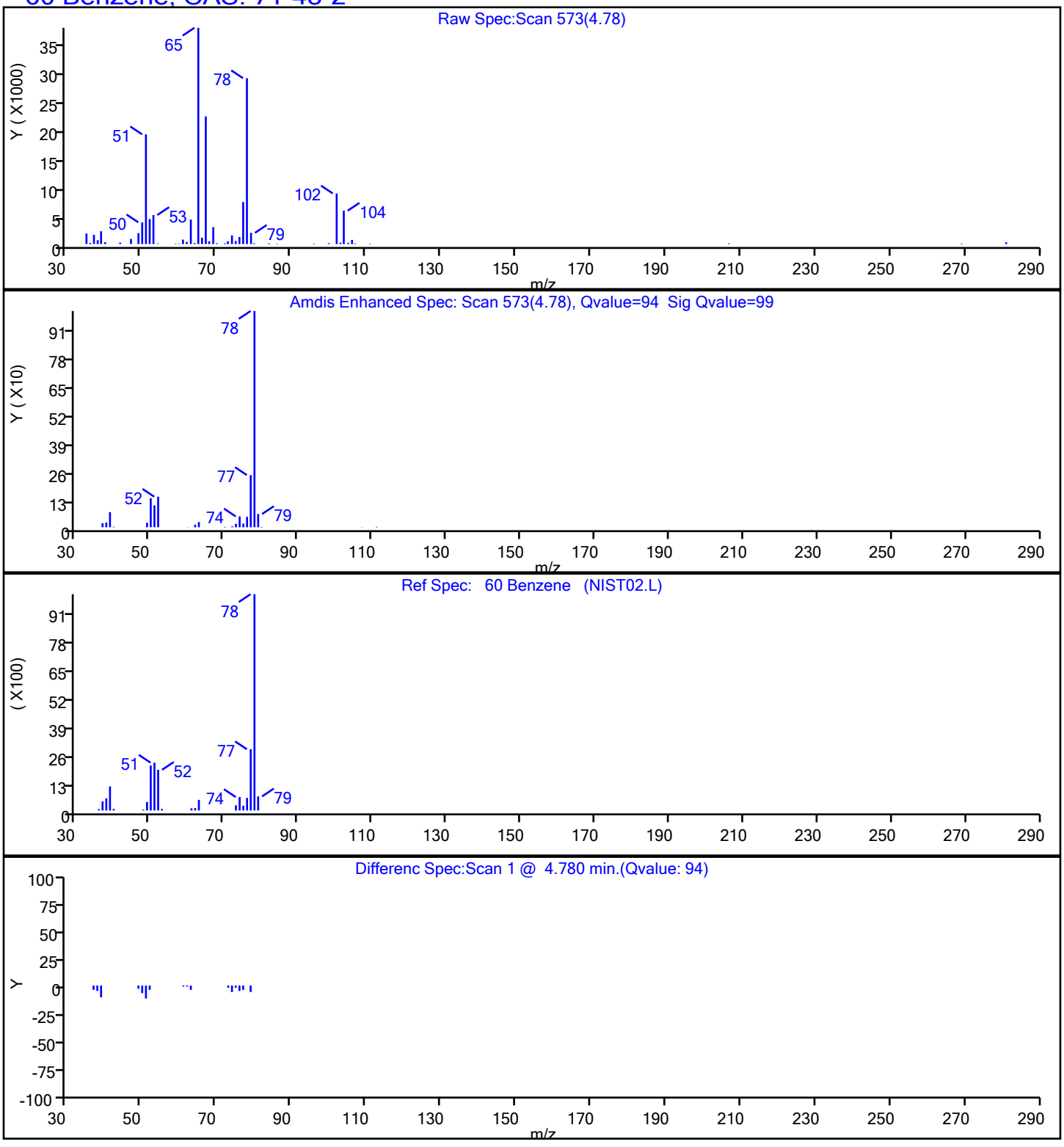
122 1,4-Dichlorobenzene, CAS: 106-46-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D		
Injection Date:	22-Mar-2024 10:30:30	Instrument ID:	CVOAMS17
Lims ID:	460-300484-B-2	Lab Sample ID:	460-300484-2
Client ID:	MW-16R		
Operator ID:		ALS Bottle#:	15 Worklist Smp#: 16
Purge Vol:	5.000 mL	Dil. Factor:	2.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

60 Benzene, CAS: 71-43-2



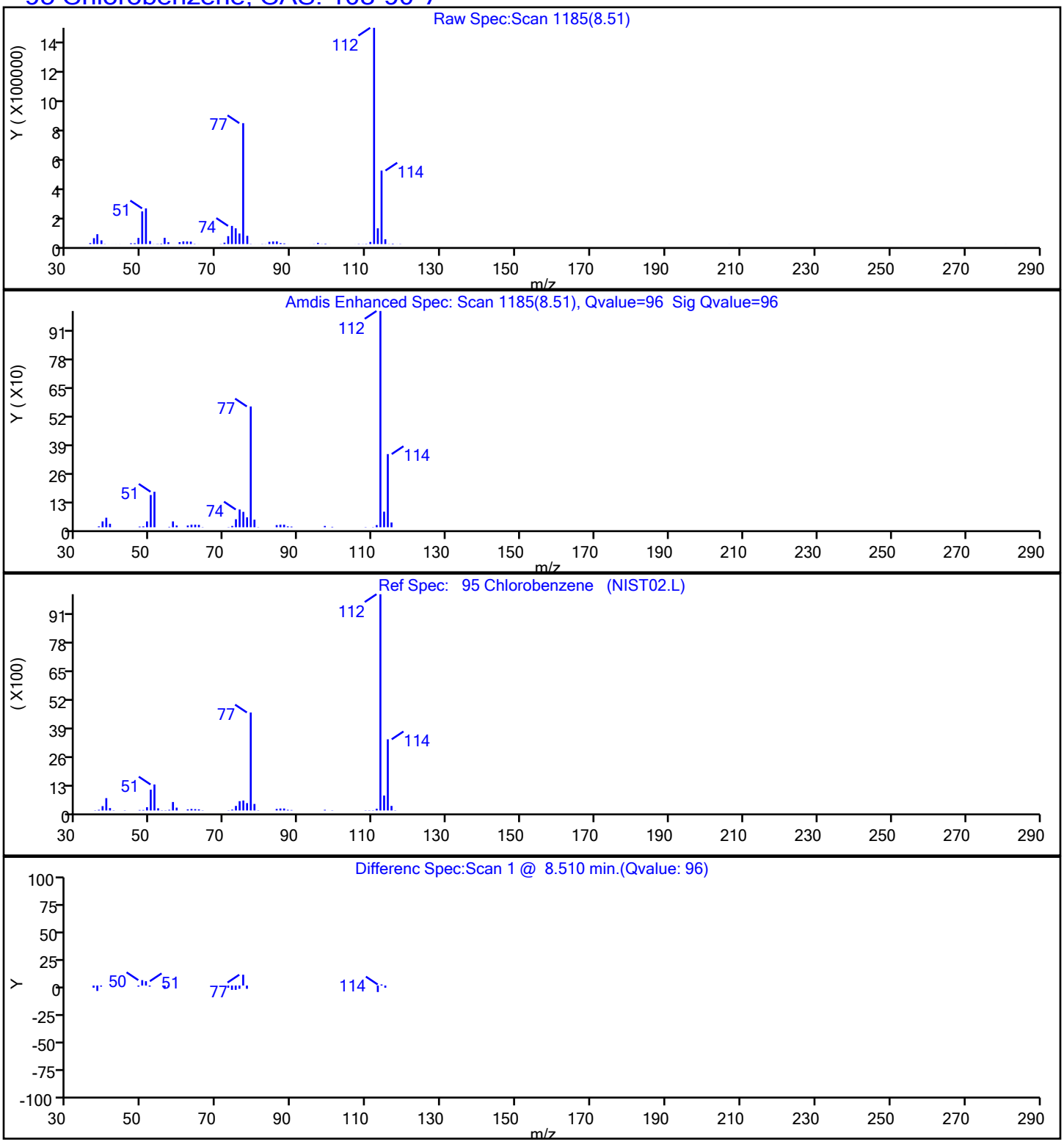
Report Date: 22-Mar-2024 12:19:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77699.D

Injection Date:	22-Mar-2024 10:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-B-2	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	15	Worklist Smp#:	16
Purge Vol:	5.000 mL	Dil. Factor:	2.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

95 Chlorobenzene, CAS: 108-90-7



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: TT77696.D

Analysis Method: 8260D | Date Collected: 03/18/2024 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 09:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.29	J	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	5.2		1.0	0.34
106-46-7	1,4-Dichlorobenzene	12		1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.4		1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	41		1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	5.3		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.26	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: TT77696.D

Analysis Method: 8260D | Date Collected: 03/18/2024 08:30

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 09:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.38	J	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.60	J	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-132
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Lims ID: 460-300484-A-3
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 09:30:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-3
Misc. Info.: 460-0173682-013
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:15:06 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 09:49:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	43765	1000.0	
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	92	4895	0.6035	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	249344	250.0	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	57	815	0.2552	
52 Chloroform	83	4.304	4.298	0.006	100	24392	5.31	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.451	0.006	99	146555	49.5	
60 Benzene	78	4.780	4.780	0.000	50	15283	1.43	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	146753	50.3	
* 66 Fluorobenzene	96	5.066	5.060	0.006	100	572297	50.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	29110	1000.0	
77 Dichlorobromomethane	83	5.975	5.969	0.006	97	1284	0.3813	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	542175	49.1	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	83	436044	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	310217	41.1	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	196241	54.1	
119 1,3-Dichlorobenzene	146	11.010	11.011	-0.001	98	34277	5.18	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	255357	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	95	79266	11.9	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	1939	0.2915	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:16:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D

Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3

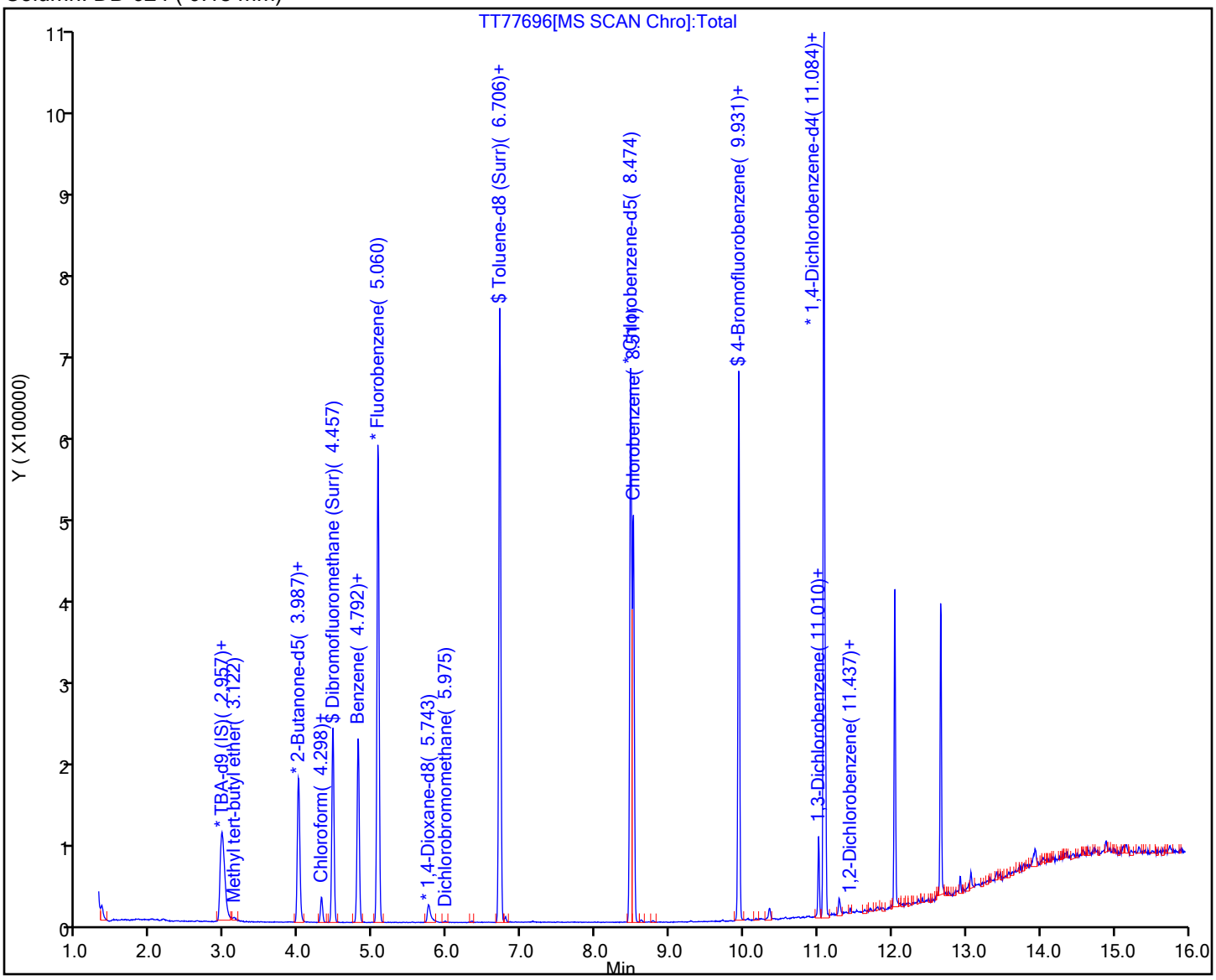
Client ID: MW-17R

Operator ID: ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Lims ID: 460-300484-A-3
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 09:30:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-3
Misc. Info.: 460-0173682-013
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:15:06 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

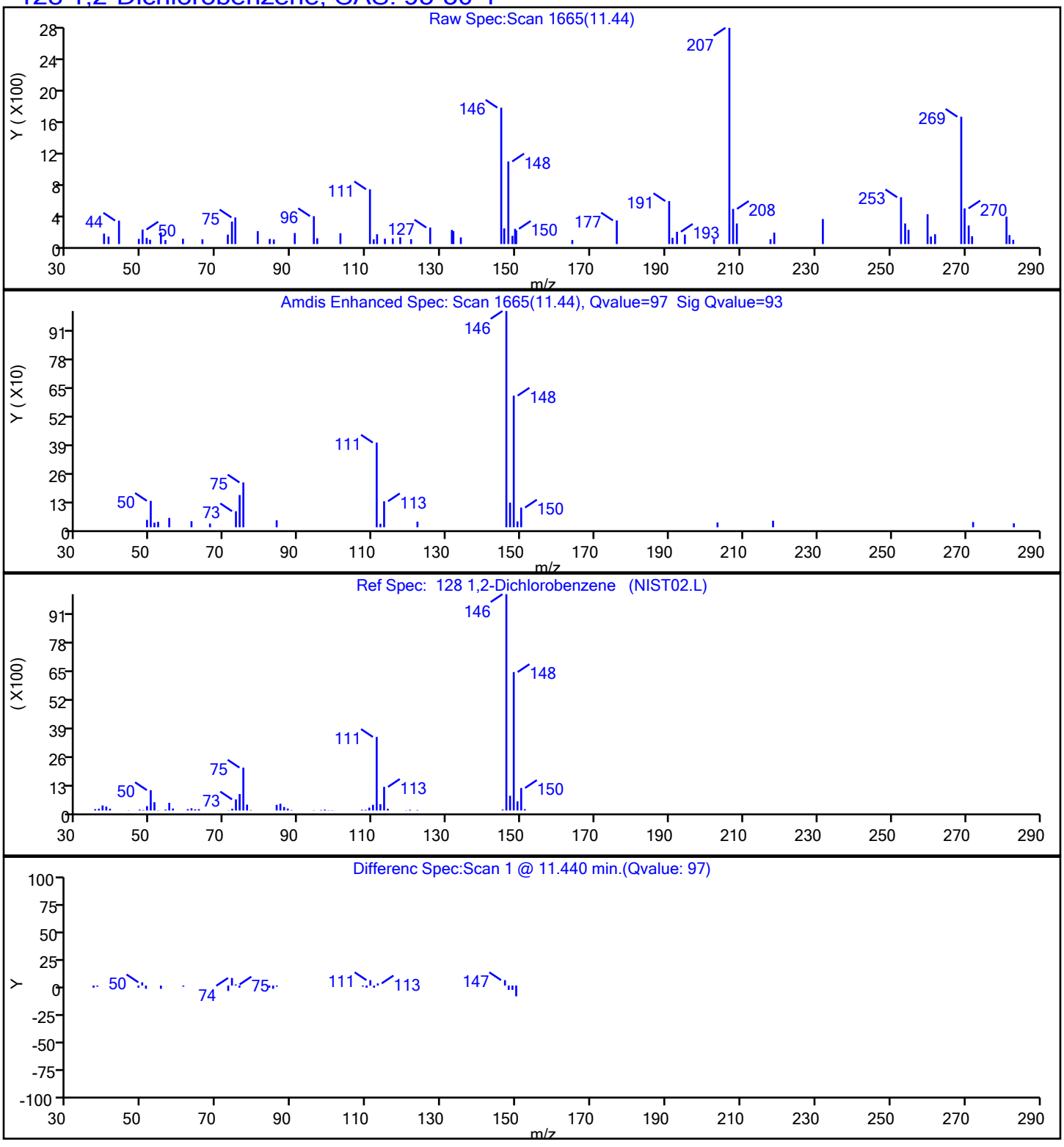
First Level Reviewer: FK2C Date: 22-Mar-2024 09:49:32

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.5	98.94
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.3	100.52
$ 83 Toluene-d8 (Surr)	50.0	49.1	98.15
$ 105 4-Bromofluorobenzene	50.0	54.1	108.20

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3
Client ID: MW-17R
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1



Report Date: 22-Mar-2024 12:16:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D

Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3

Client ID: MW-17R

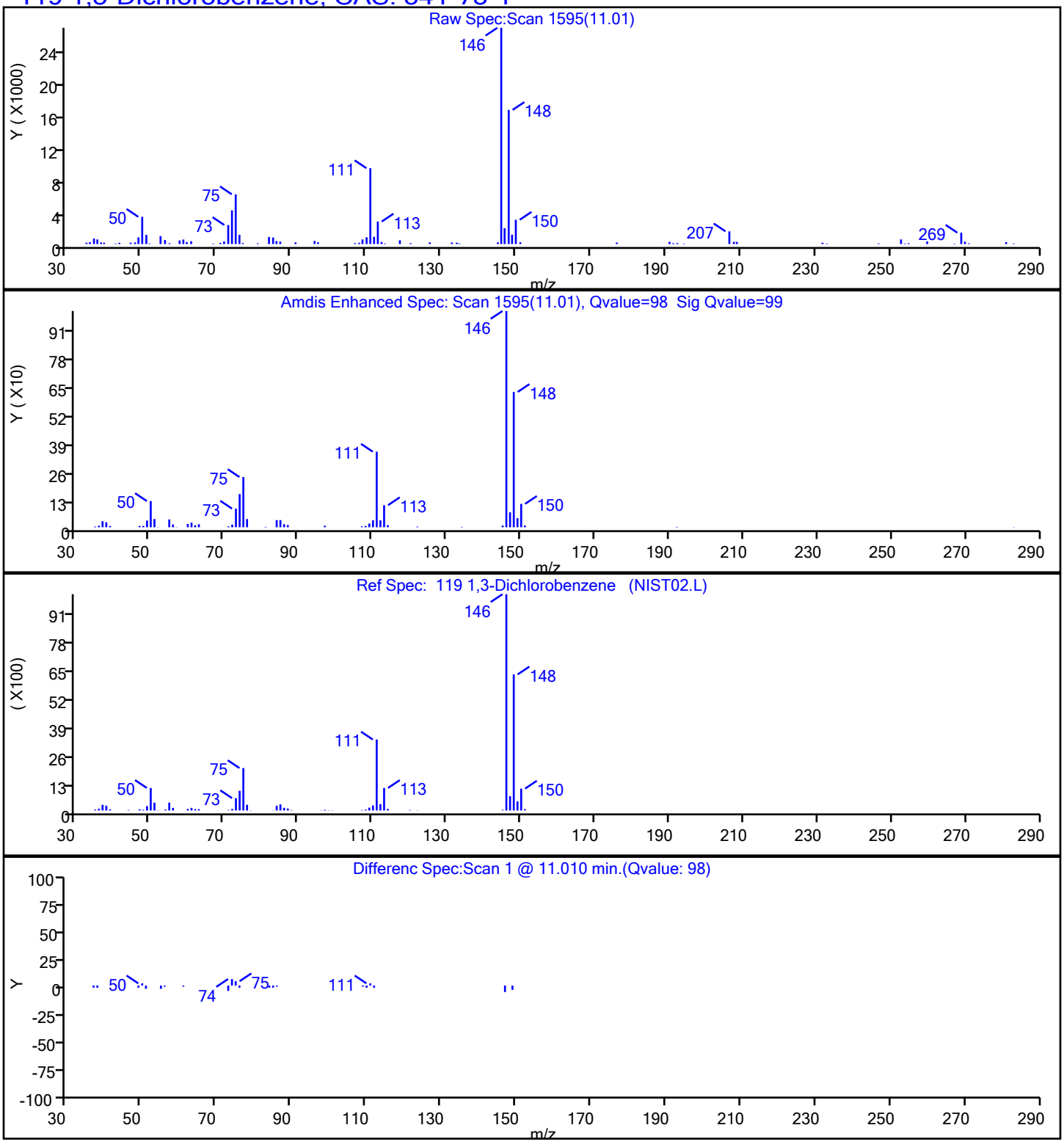
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm) Detector MS Quad

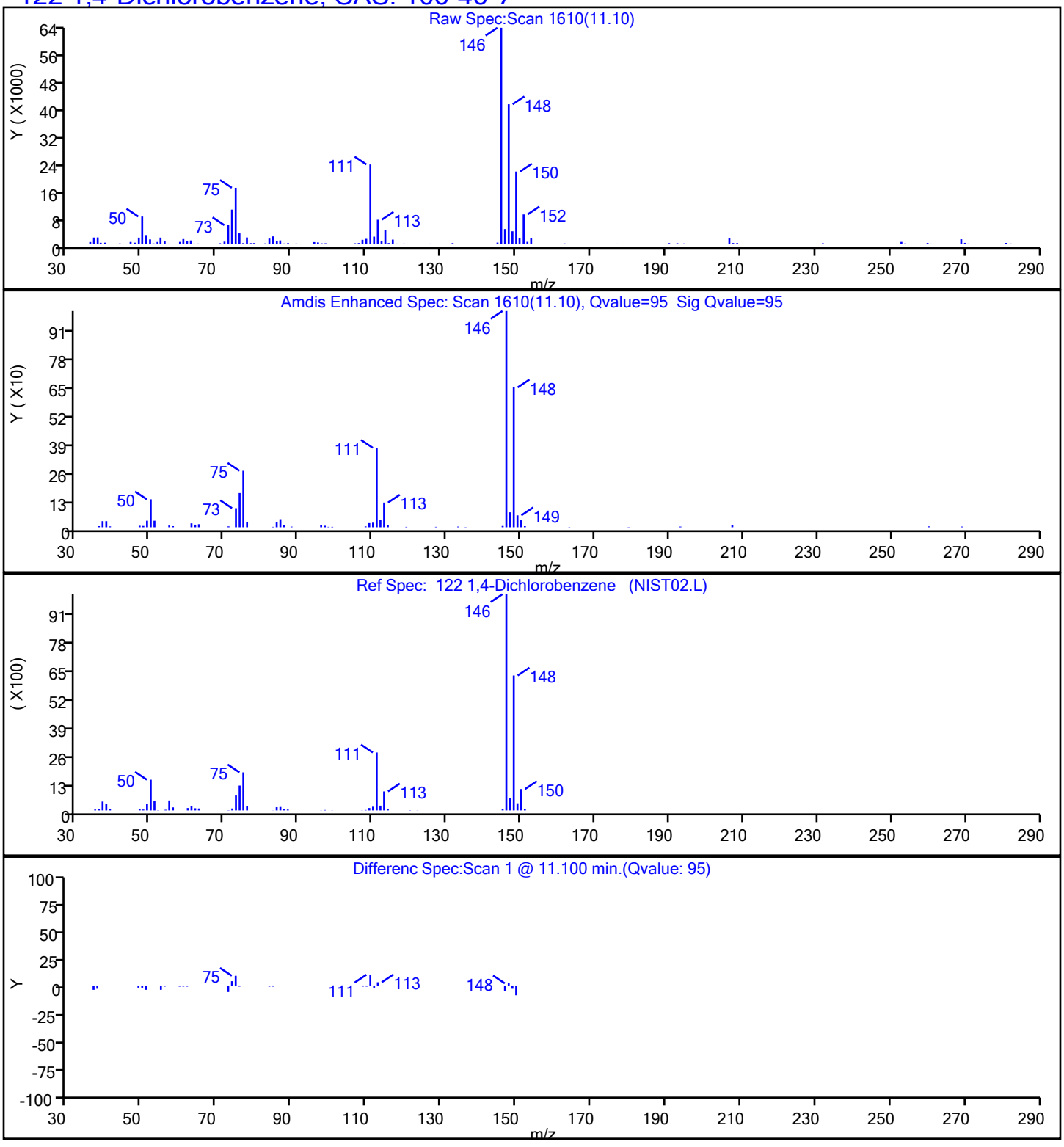
119 1,3-Dichlorobenzene, CAS: 541-73-1



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3
Client ID: MW-17R
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7



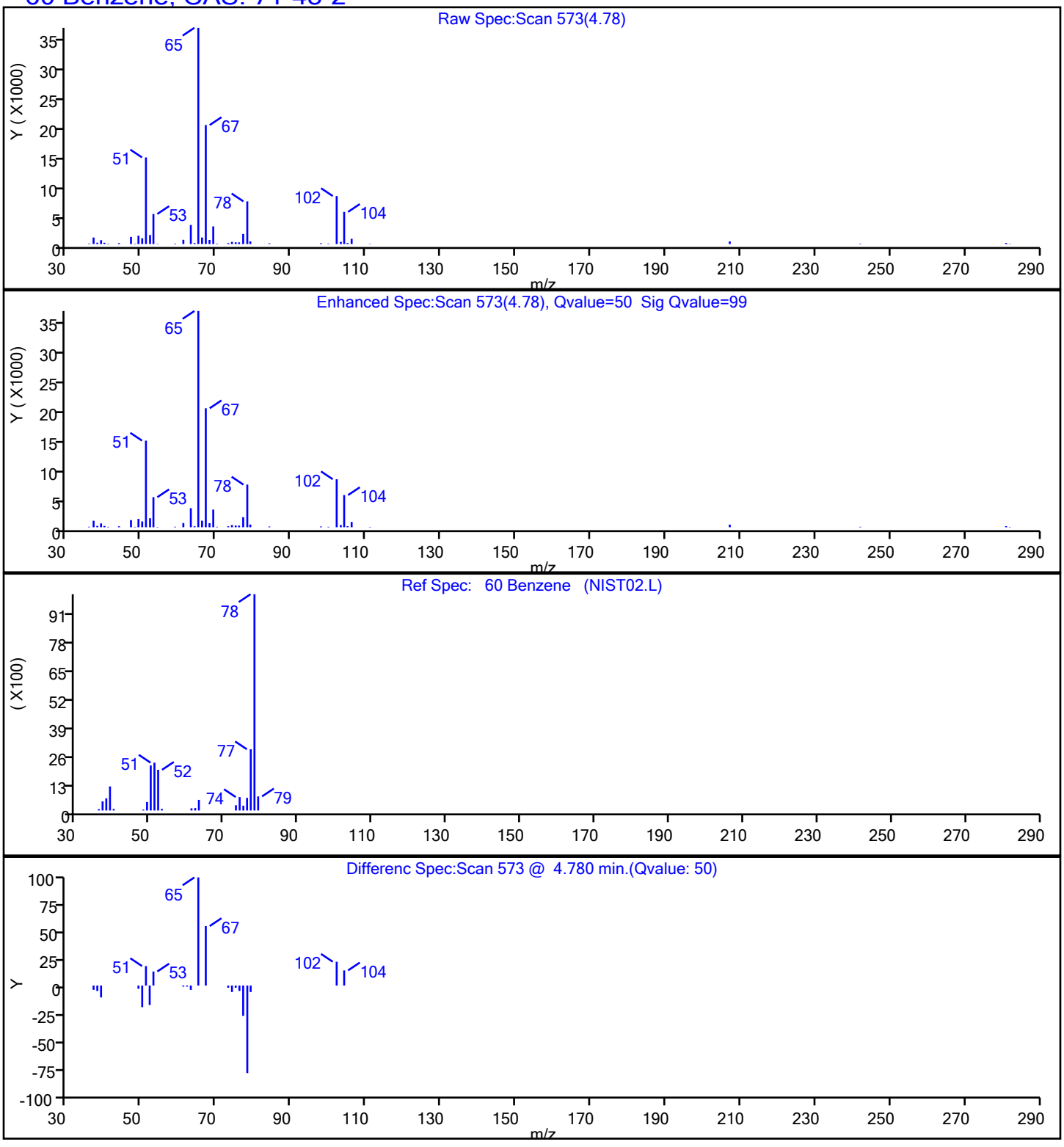
Report Date: 22-Mar-2024 12:16:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D

Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

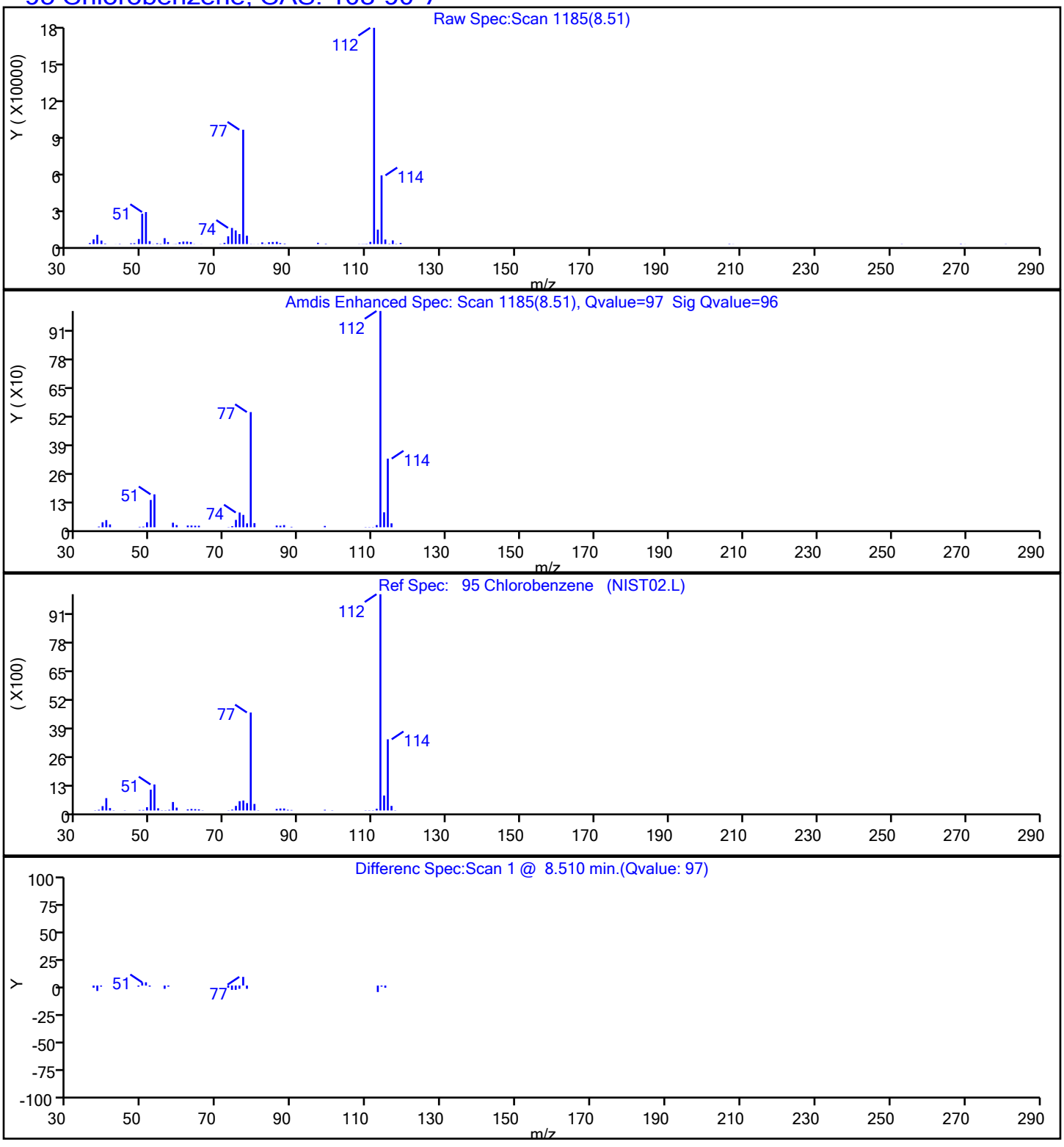
60 Benzene, CAS: 71-43-2



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3
Client ID: MW-17R
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

95 Chlorobenzene, CAS: 108-90-7

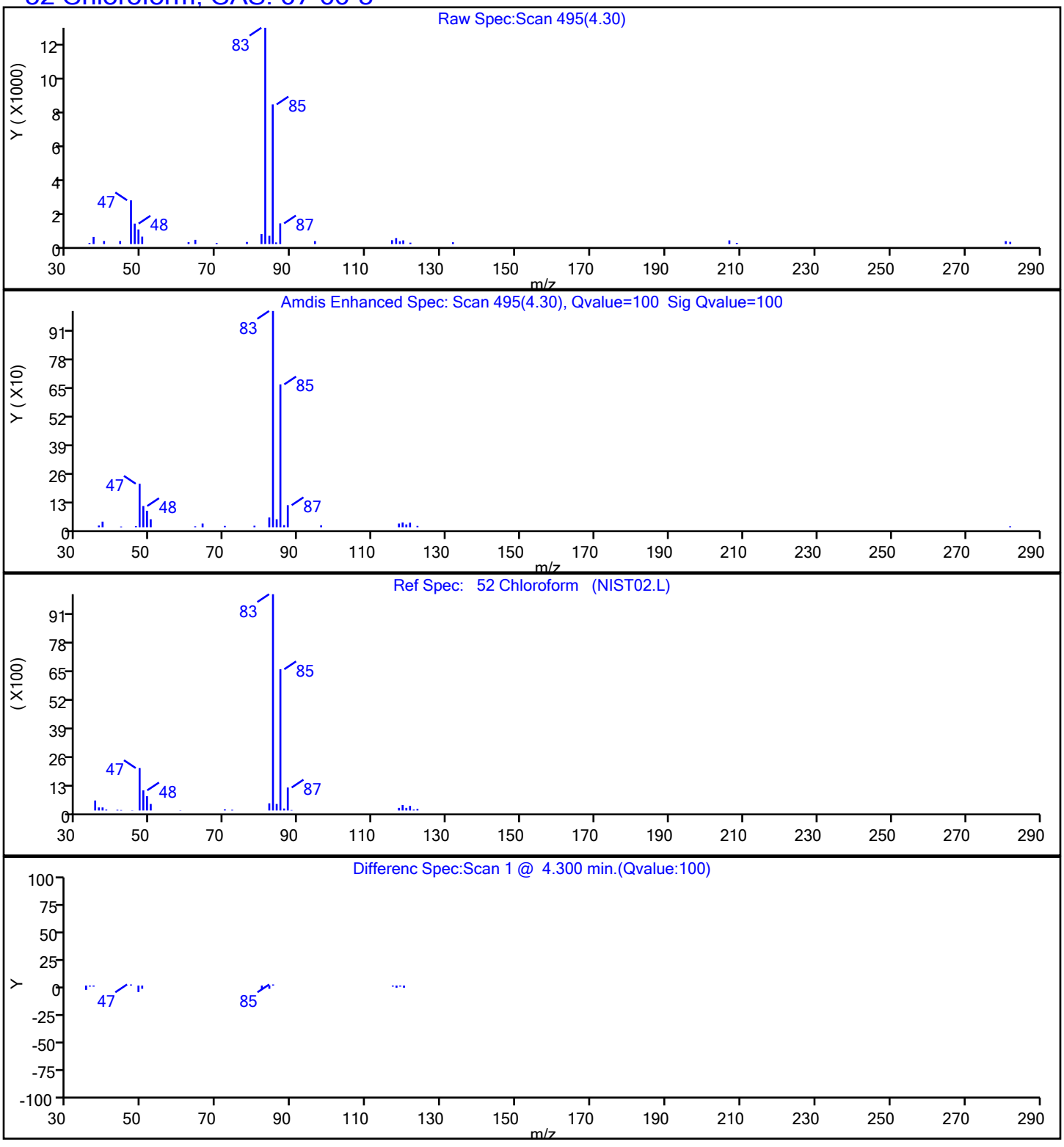


Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D

Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

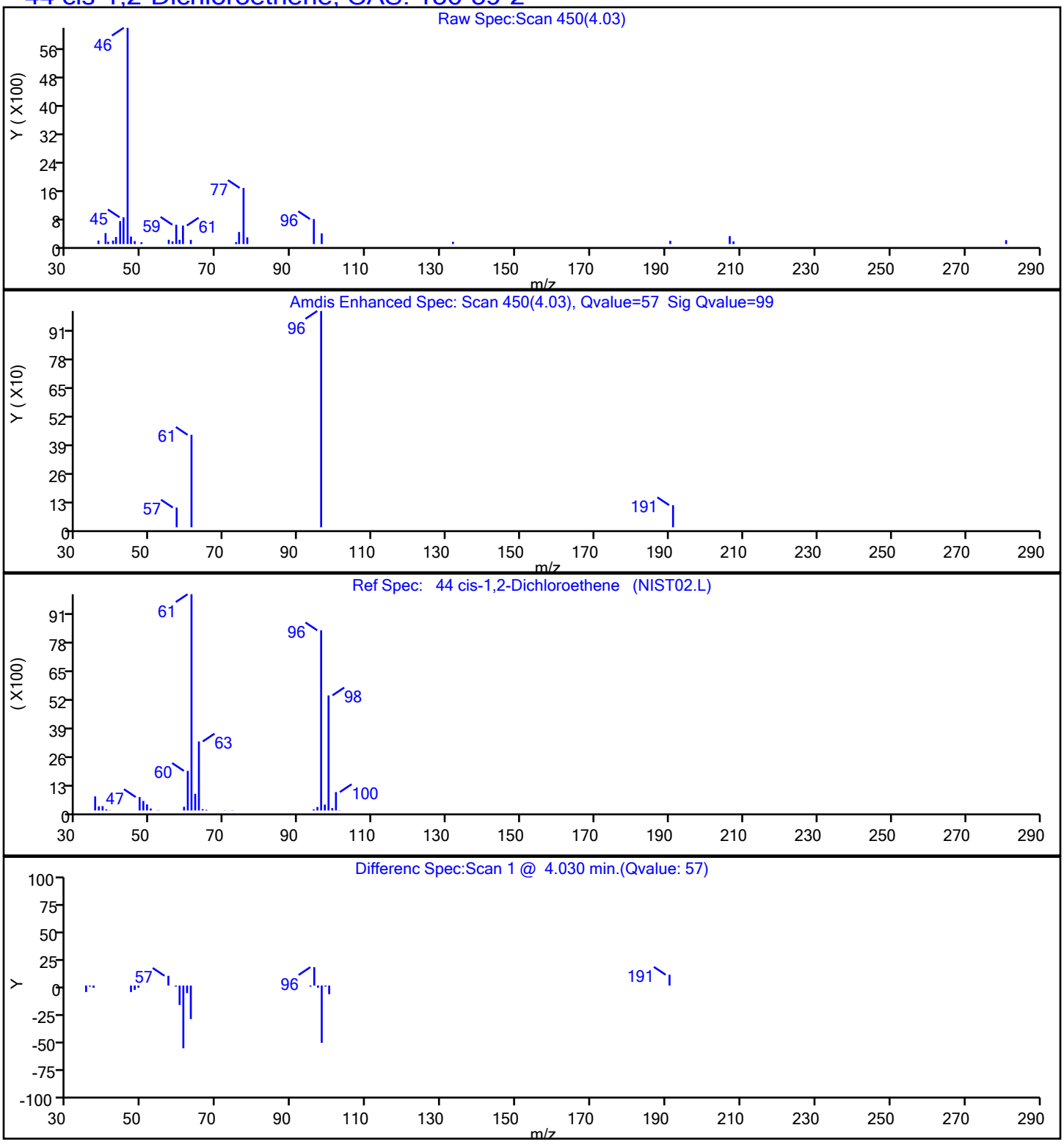
52 Chloroform, CAS: 67-66-3



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D
Injection Date: 22-Mar-2024 09:30:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-3 Lab Sample ID: 460-300484-3
Client ID: MW-17R
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

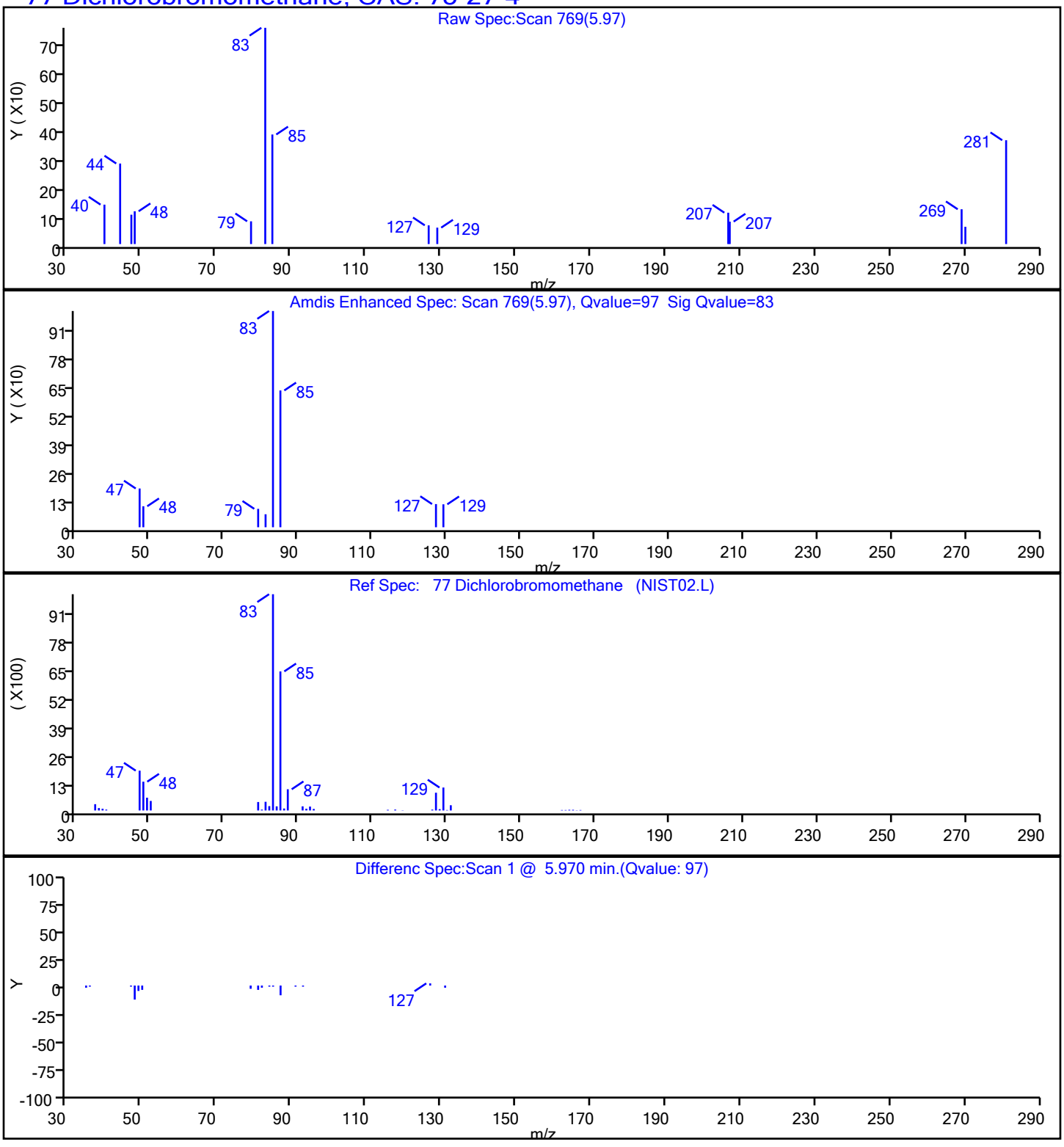
44 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D				
Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

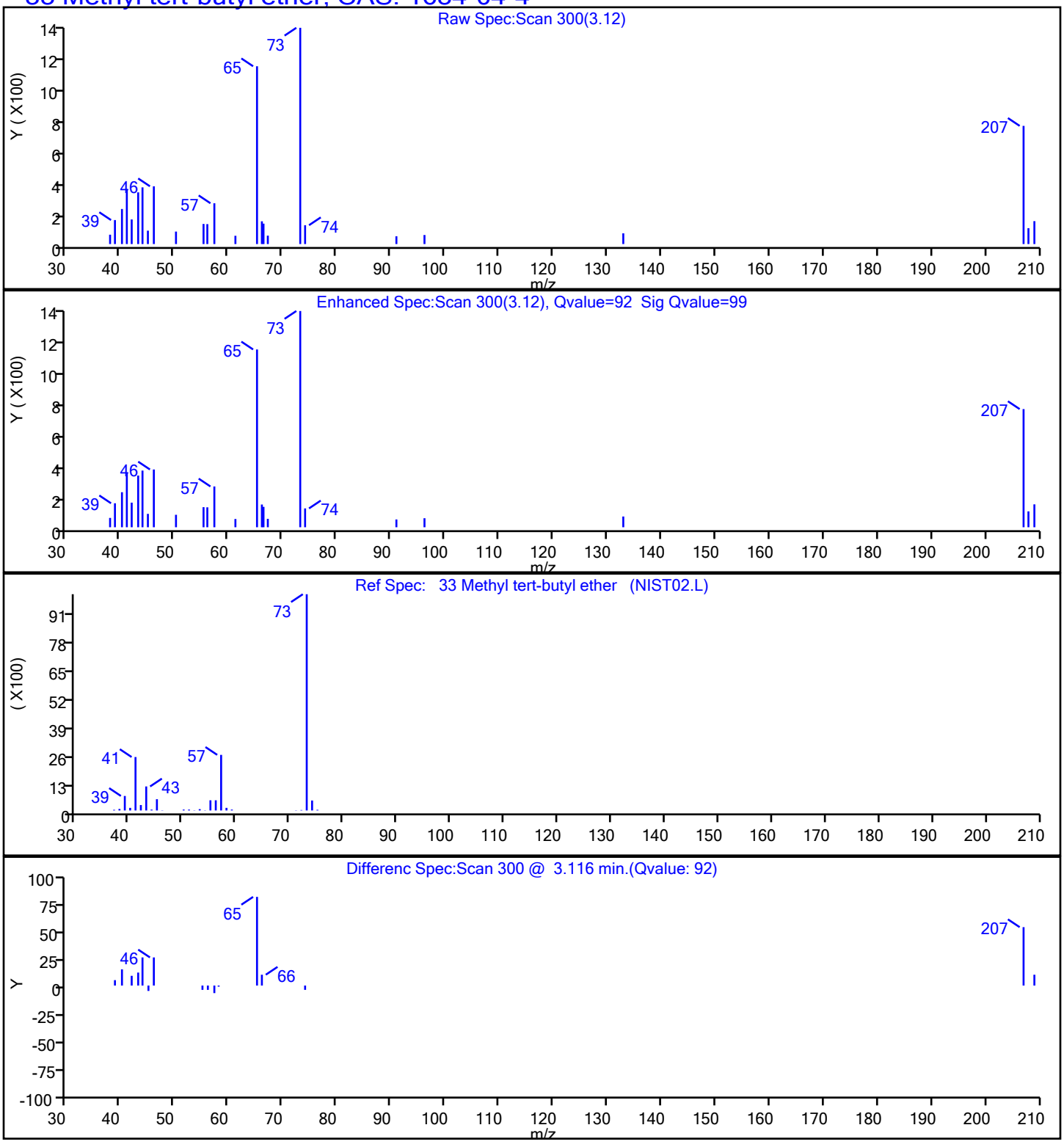
77 Dichlorobromomethane, CAS: 75-27-4



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D				
Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

33 Methyl tert-butyl ether, CAS: 1634-04-4



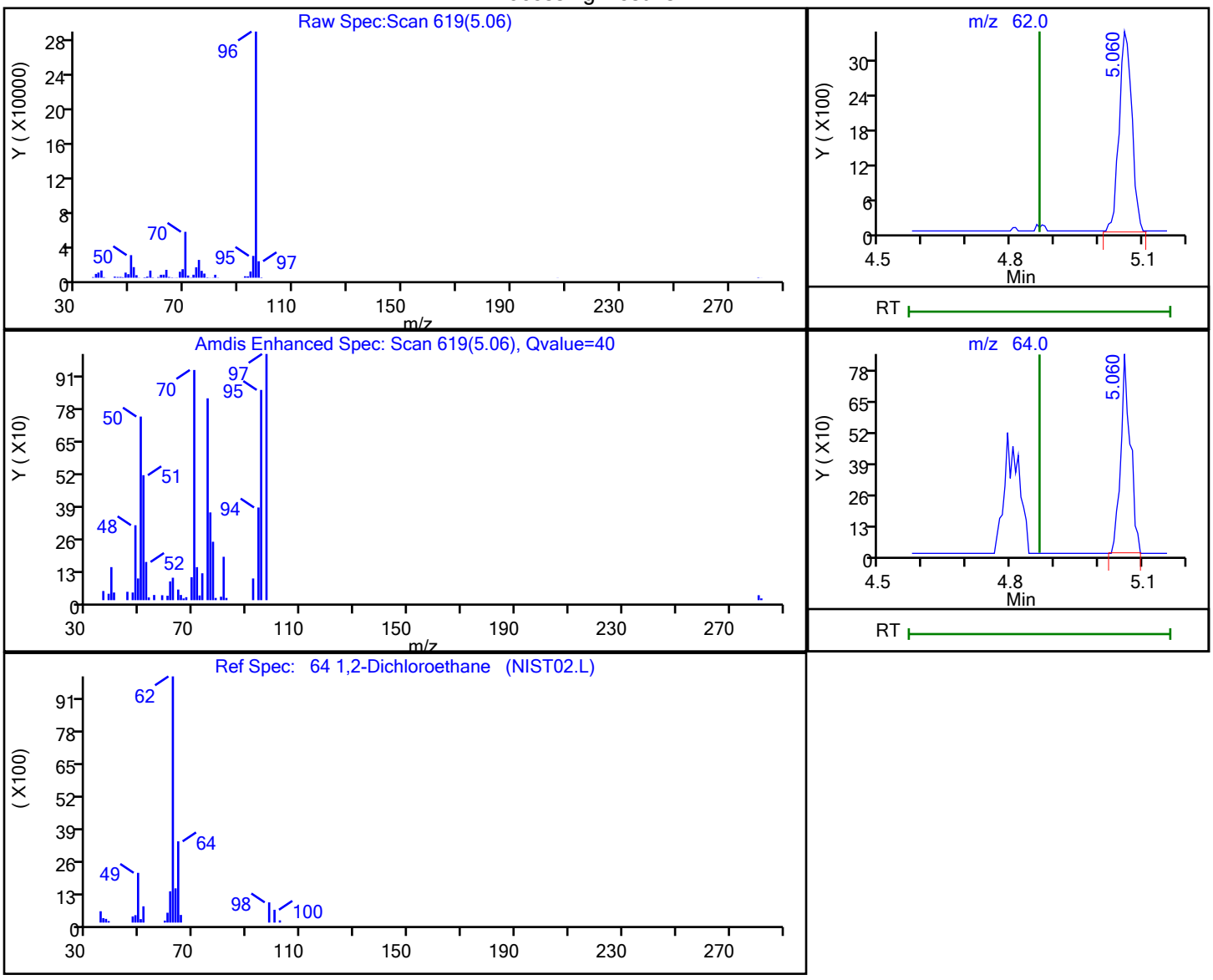
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D				
Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.06	62.00	6968	2.245865
5.06	64.00	1289	

Reviewer: FK2C, 22-Mar-2024 09:49:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

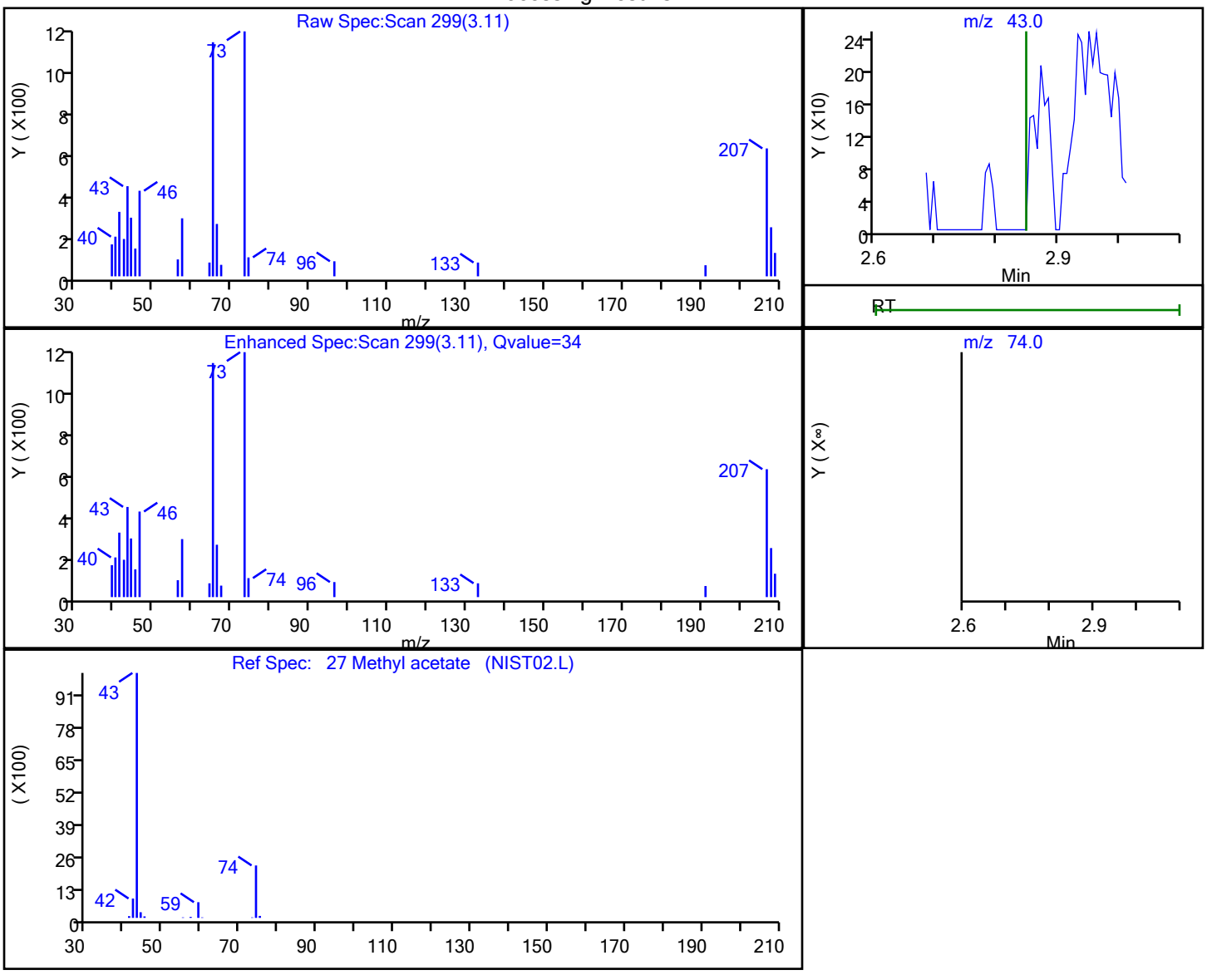
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77696.D				
Injection Date:	22-Mar-2024 09:30:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-3	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.11	43.00	880	0.505648
3.12	74.00	78	

Reviewer: FK2C, 22-Mar-2024 09:49:10 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: TT77698.D

Analysis Method: 8260D | Date Collected: 03/18/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 10:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	0.30	J	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	5.0		1.0	0.34
106-46-7	1,4-Dichlorobenzene	12		1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.6		1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	43		1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	5.3		1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.31	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: TT77698.D

Analysis Method: 8260D | Date Collected: 03/18/2024 12:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 10:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	0.38	J	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.80	J	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	0.41	J	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D
Lims ID: 460-300484-A-4
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 10:09:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-4
Misc. Info.: 460-0173682-015
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:17:26 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Mar-2024 10:31:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.945	2.957	-0.012	0	46295	1000.0	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	78	6266	0.8025	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	250673	250.0	
44 cis-1,2-Dichloroethene	96	4.024	4.030	-0.006	9	948	0.3084	
52 Chloroform	83	4.292	4.298	-0.006	98	23324	5.27	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	98	137819	48.3	
60 Benzene	78	4.780	4.780	0.000	96	16234	1.60	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	140723	50.1	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	550871	50.0	
* 72 1,4-Dioxane-d8	96	5.737	5.743	-0.006	0	29023	1000.0	
77 Dichlorobromomethane	83	5.969	5.969	0.000	95	1238	0.3819	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	522838	50.0	
84 Toluene	91	6.780	6.780	0.000	92	4599	0.4092	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	83	412478	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	309749	43.4	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	189144	55.1	
119 1,3-Dichlorobenzene	146	11.011	11.011	0.000	97	31994	5.00	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	246986	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	95	78175	12.1	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	1952	0.3034	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:18:06 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date: 22-Mar-2024 10:09:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-4 Lab Sample ID: 460-300484-4

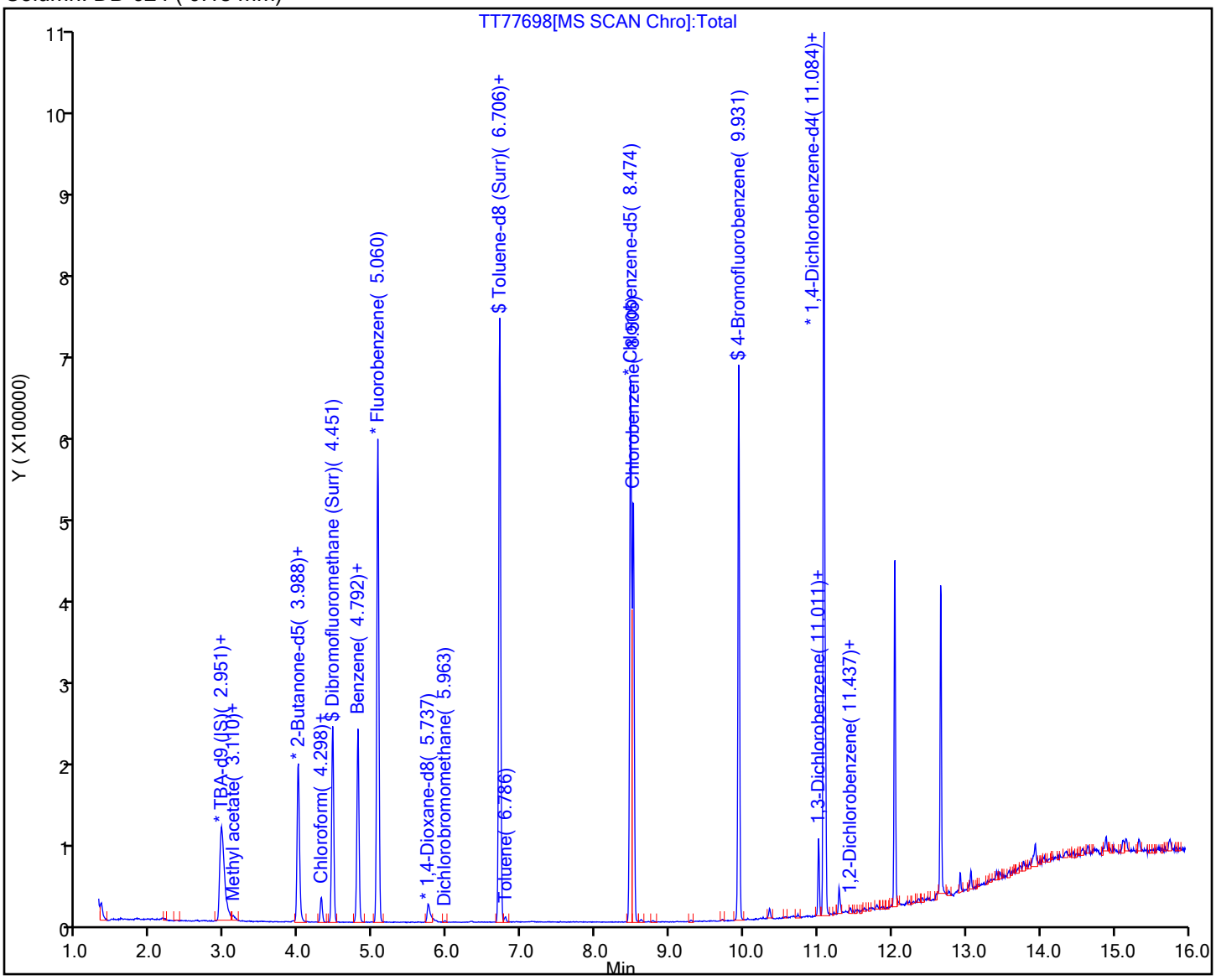
Client ID: DUP_03182024

Operator ID: ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D
Lims ID: 460-300484-A-4
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 10:09:30 ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300484-A-4
Misc. Info.: 460-0173682-015
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:17:26 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

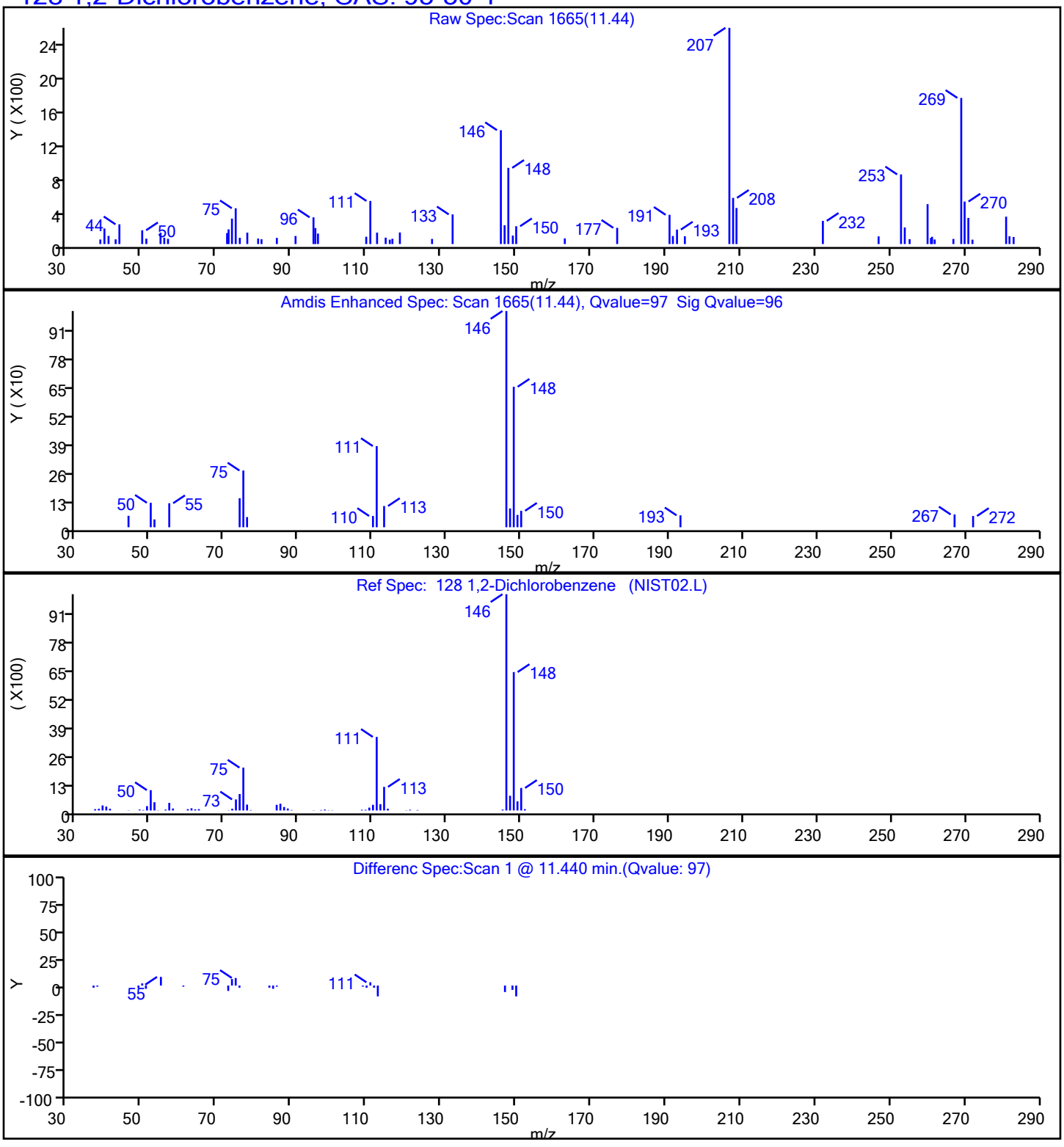
First Level Reviewer: FK2C Date: 22-Mar-2024 10:31:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.3	96.66
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.1	100.14
$ 83 Toluene-d8 (Surr)	50.0	50.0	100.05
$ 105 4-Bromofluorobenzene	50.0	55.1	110.25

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D
Injection Date: 22-Mar-2024 10:09:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-4 Lab Sample ID: 460-300484-4
Client ID: DUP_03182024
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1



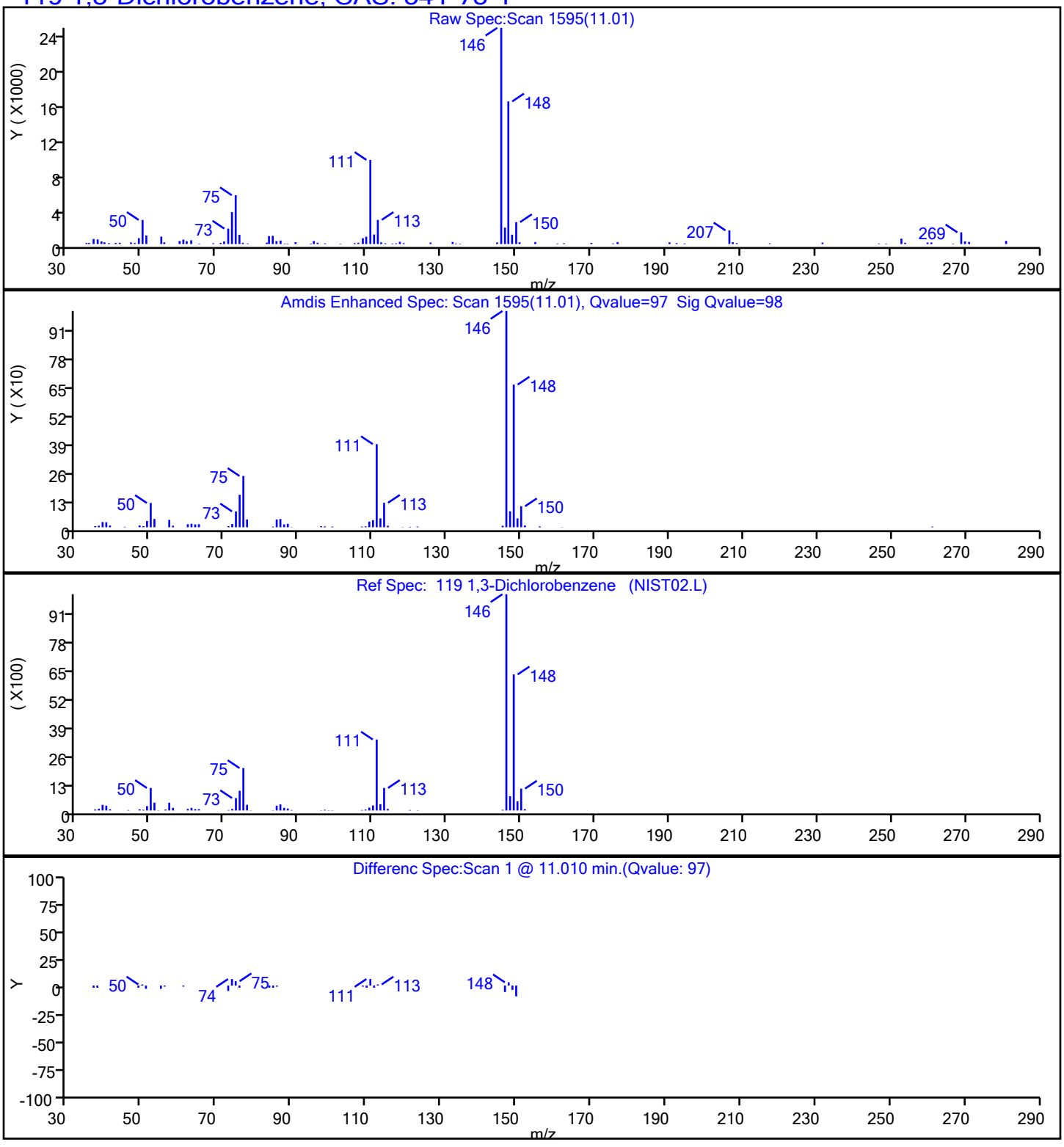
Report Date: 22-Mar-2024 12:18:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4
Client ID:	DUP_03182024		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

119 1,3-Dichlorobenzene, CAS: 541-73-1



Report Date: 22-Mar-2024 12:18:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date: 22-Mar-2024 10:09:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-4 Lab Sample ID: 460-300484-4

Client ID: DUP_03182024

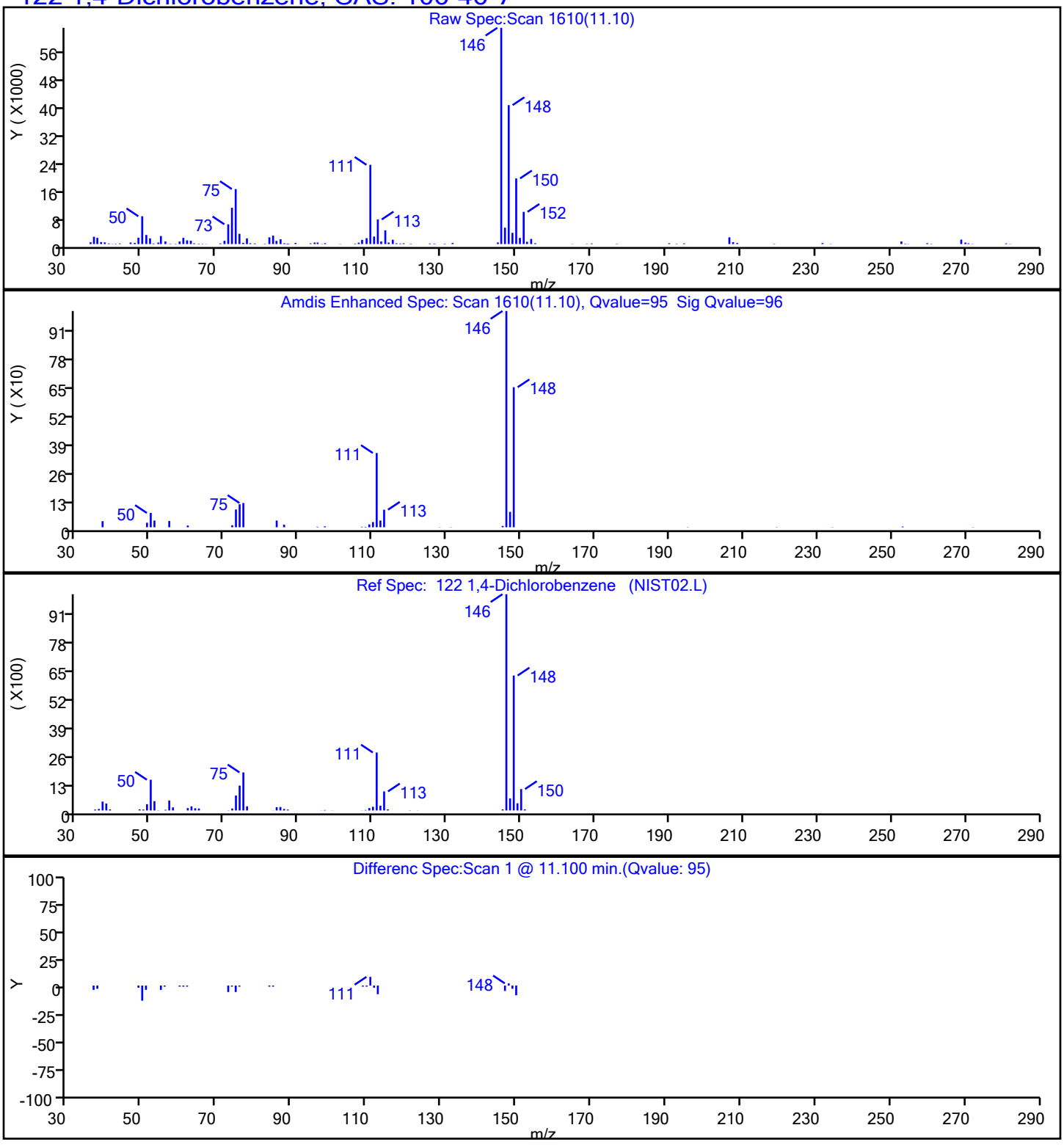
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm) Detector MS Quad

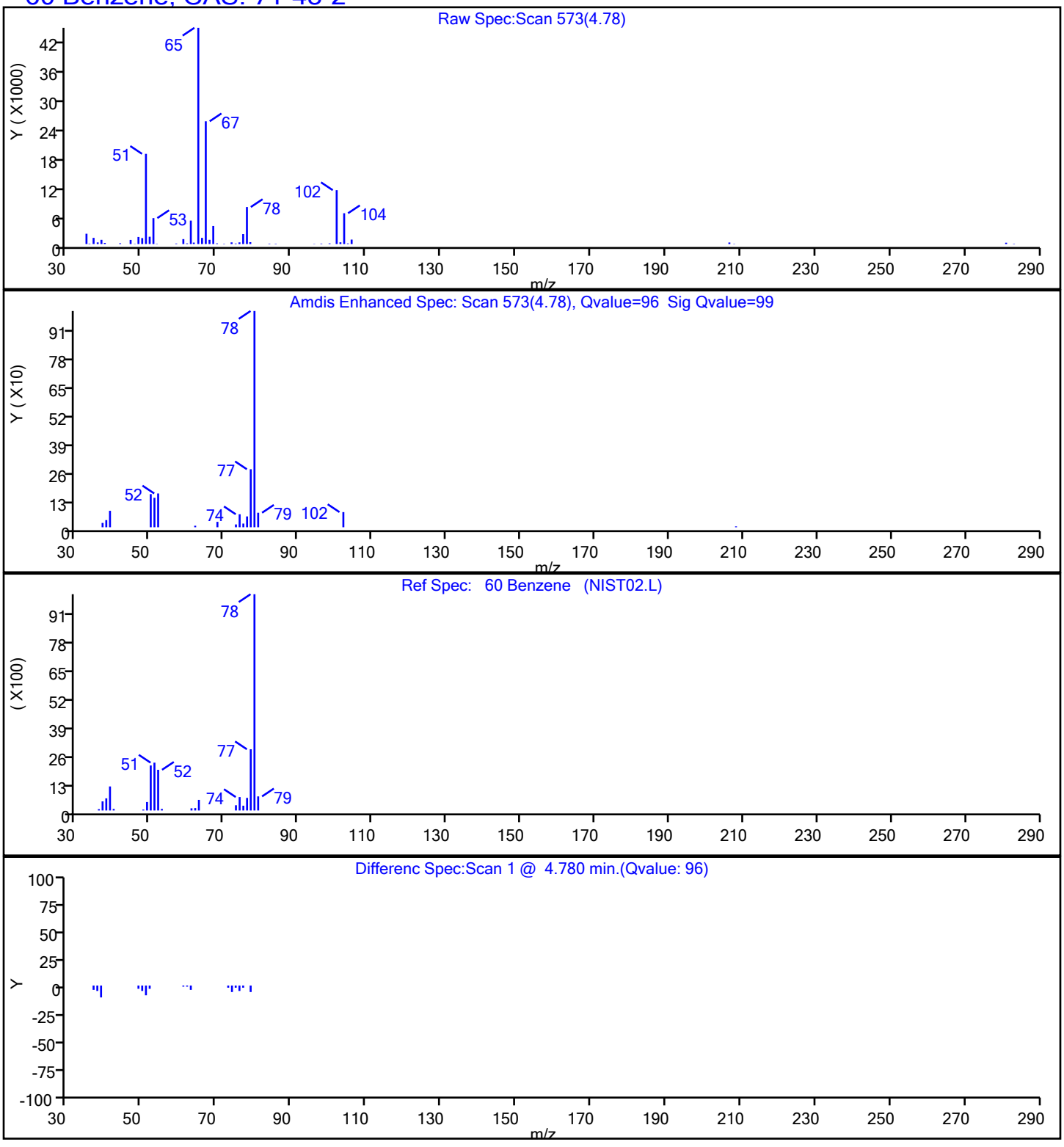
122 1,4-Dichlorobenzene, CAS: 106-46-7



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D
Injection Date: 22-Mar-2024 10:09:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-4 Lab Sample ID: 460-300484-4
Client ID: DUP_03182024
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

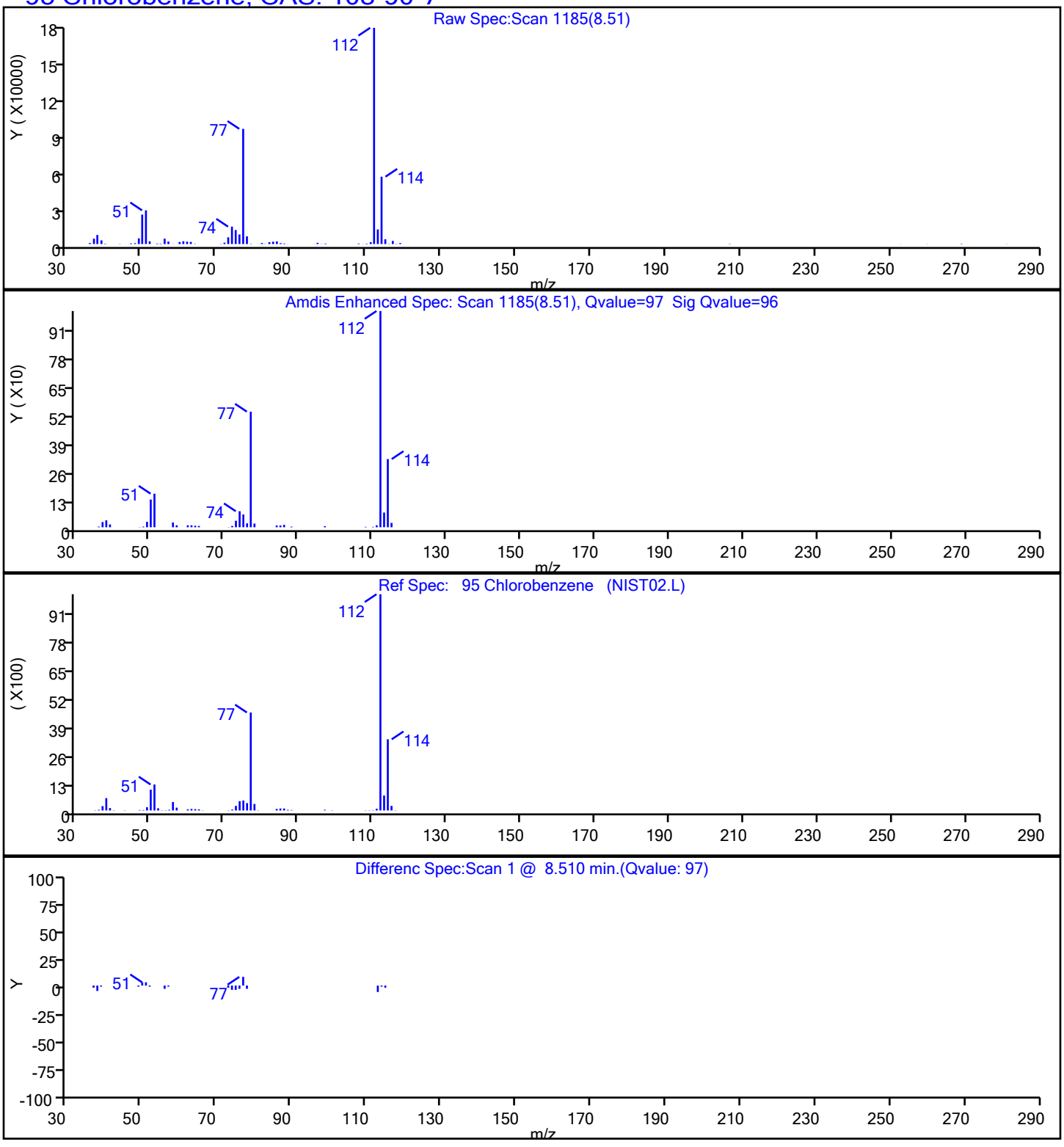
60 Benzene, CAS: 71-43-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D		
Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4
Client ID:	DUP_03182024		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

95 Chlorobenzene, CAS: 108-90-7

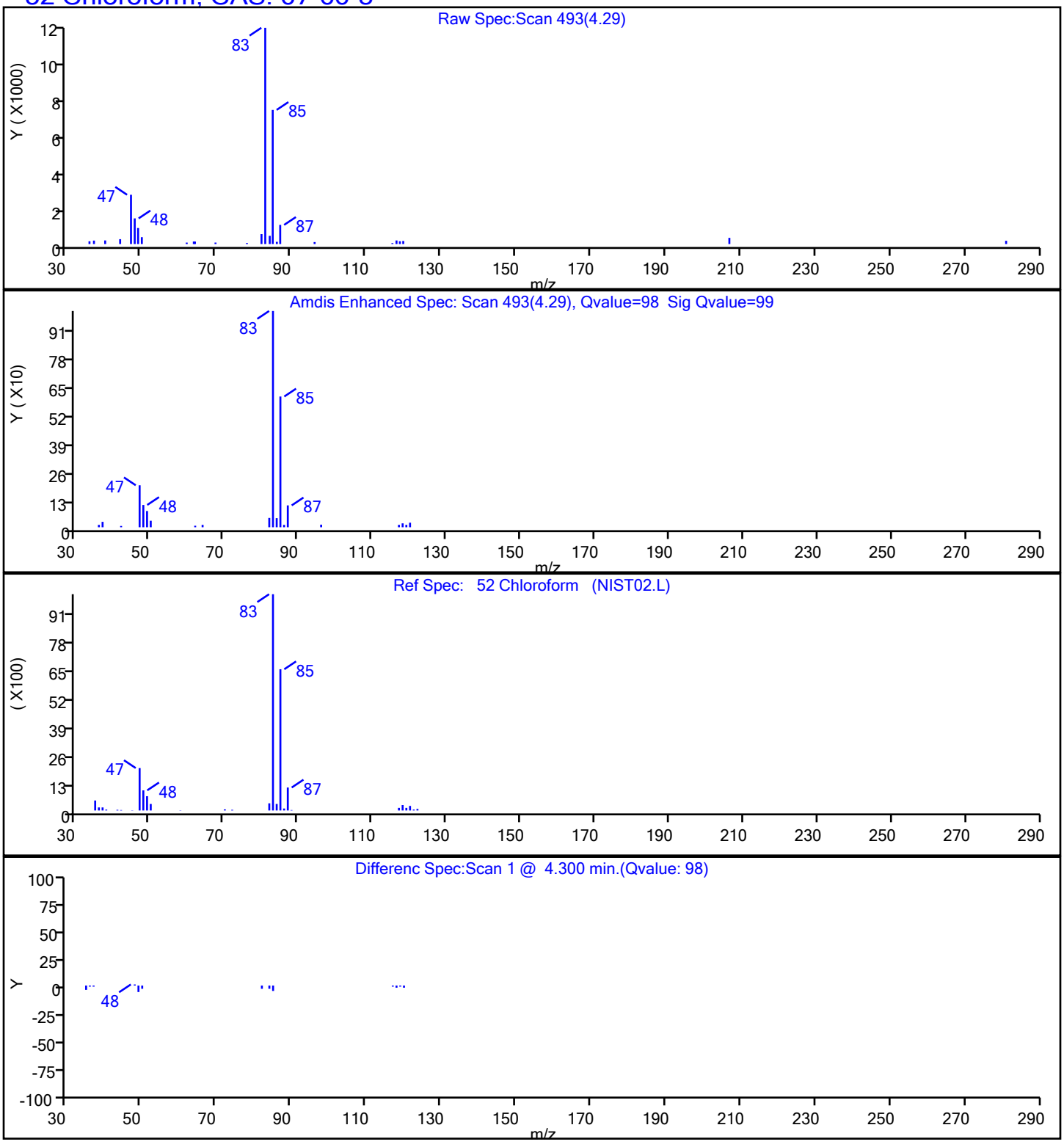


Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4
Client ID:	DUP_03182024		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

52 Chloroform, CAS: 67-66-3

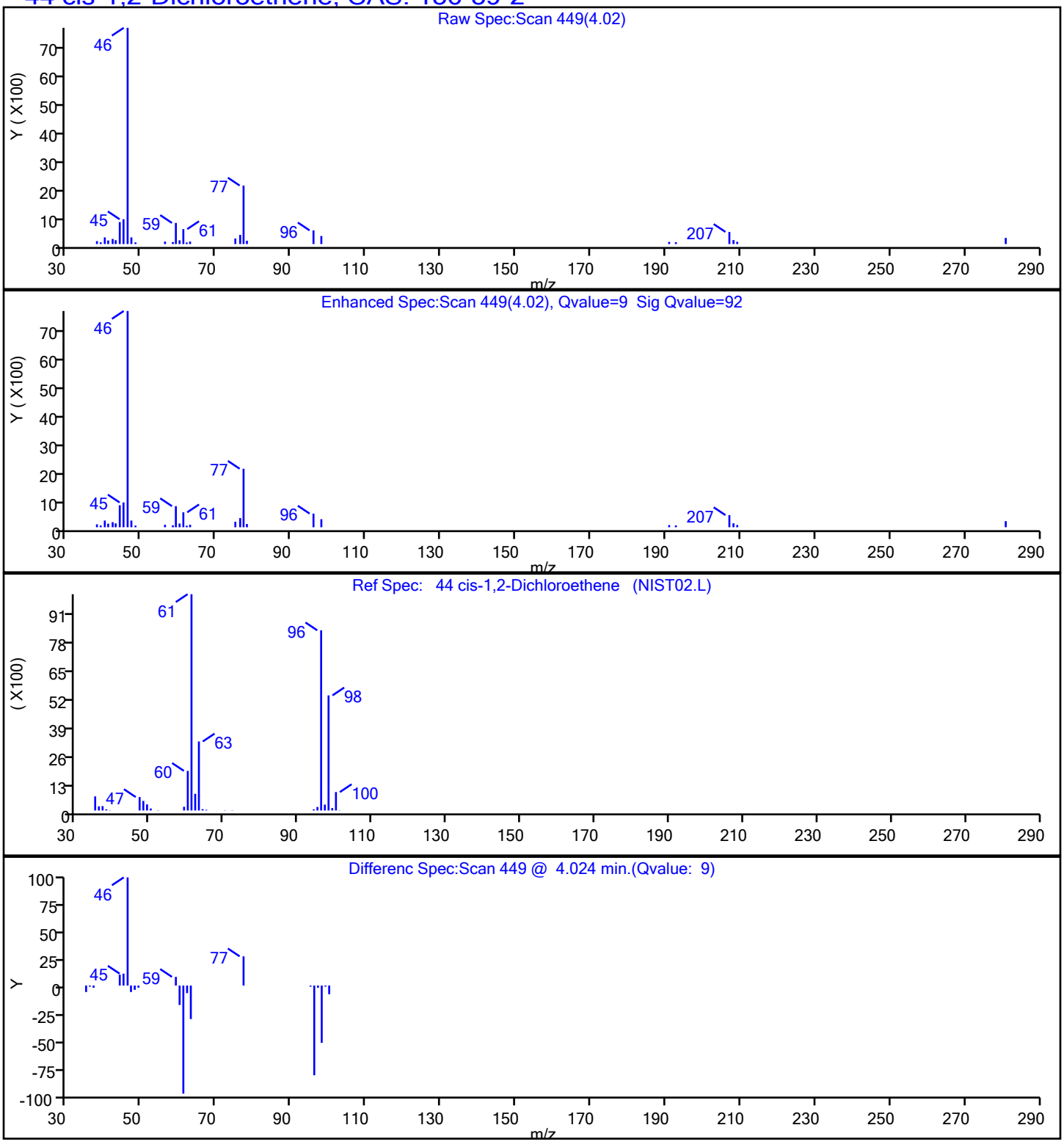


Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4
Client ID:	DUP_03182024		
Operator ID:		ALS Bottle#:	14 Worklist Smp#: 15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

44 cis-1,2-Dichloroethene, CAS: 156-59-2



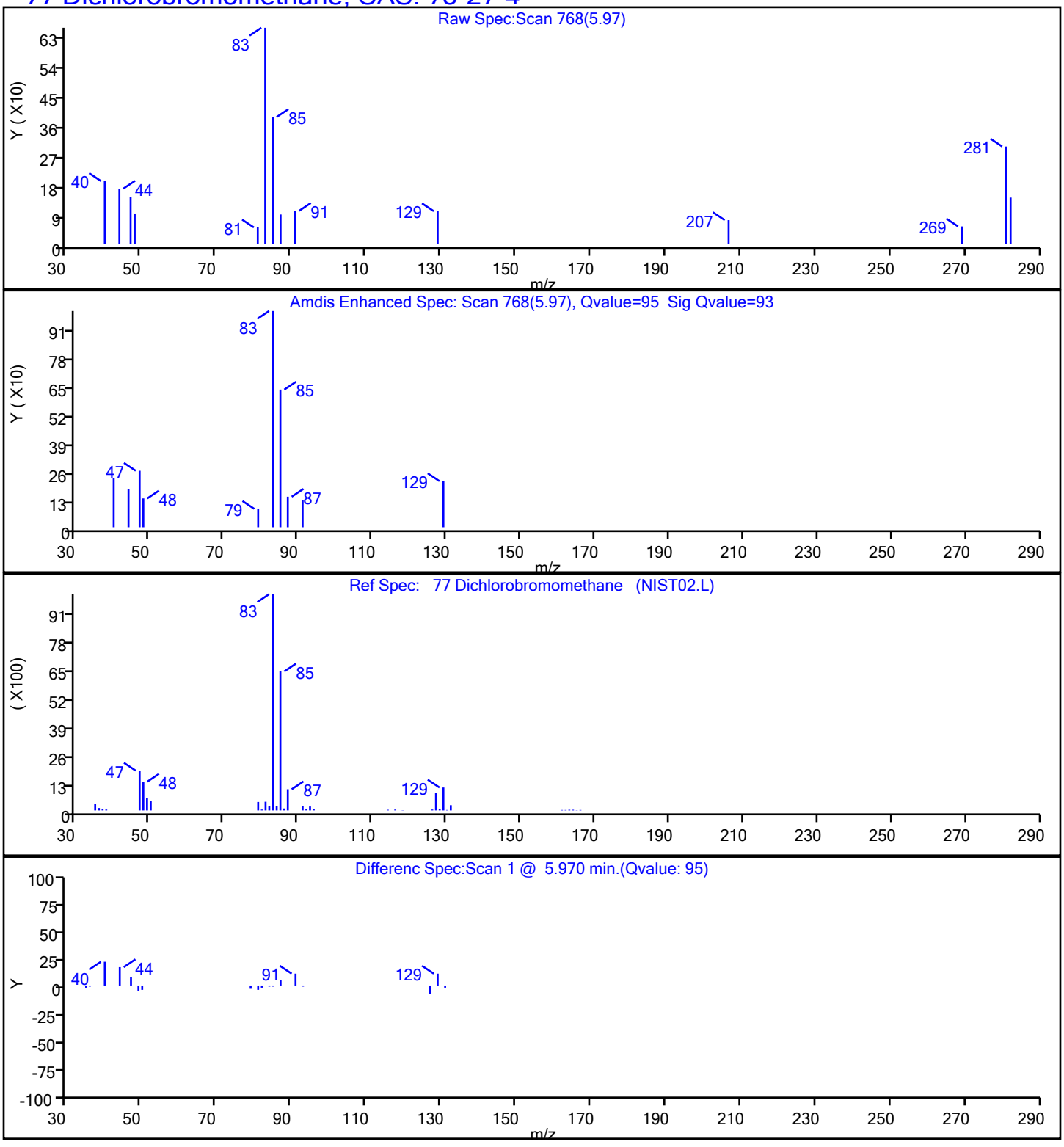
Report Date: 22-Mar-2024 12:18:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

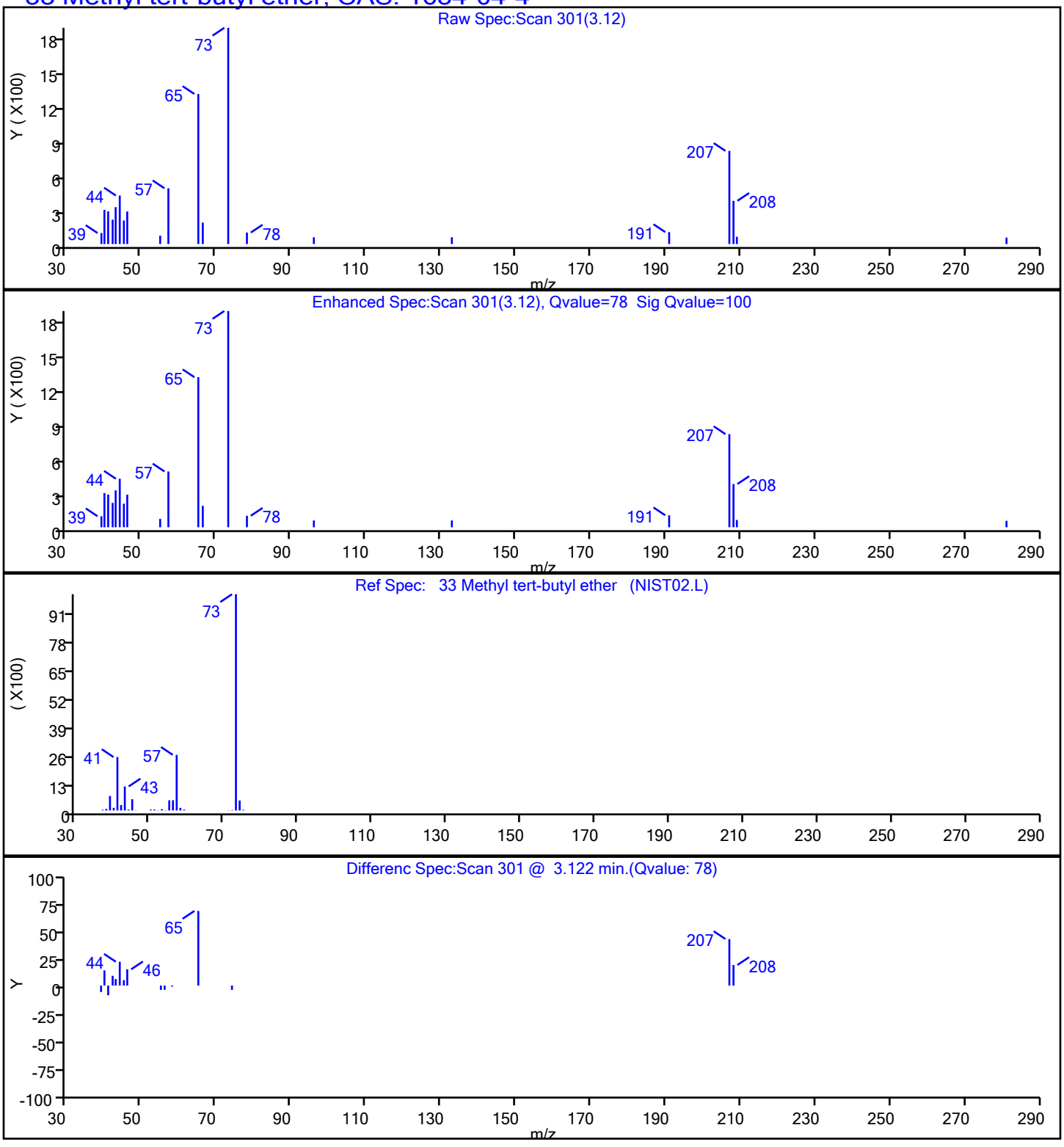
77 Dichlorobromomethane, CAS: 75-27-4



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D
Injection Date: 22-Mar-2024 10:09:30 Instrument ID: CVOAMS17
Lims ID: 460-300484-A-4 Lab Sample ID: 460-300484-4
Client ID: DUP_03182024
Operator ID: ALS Bottle#: 14 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4



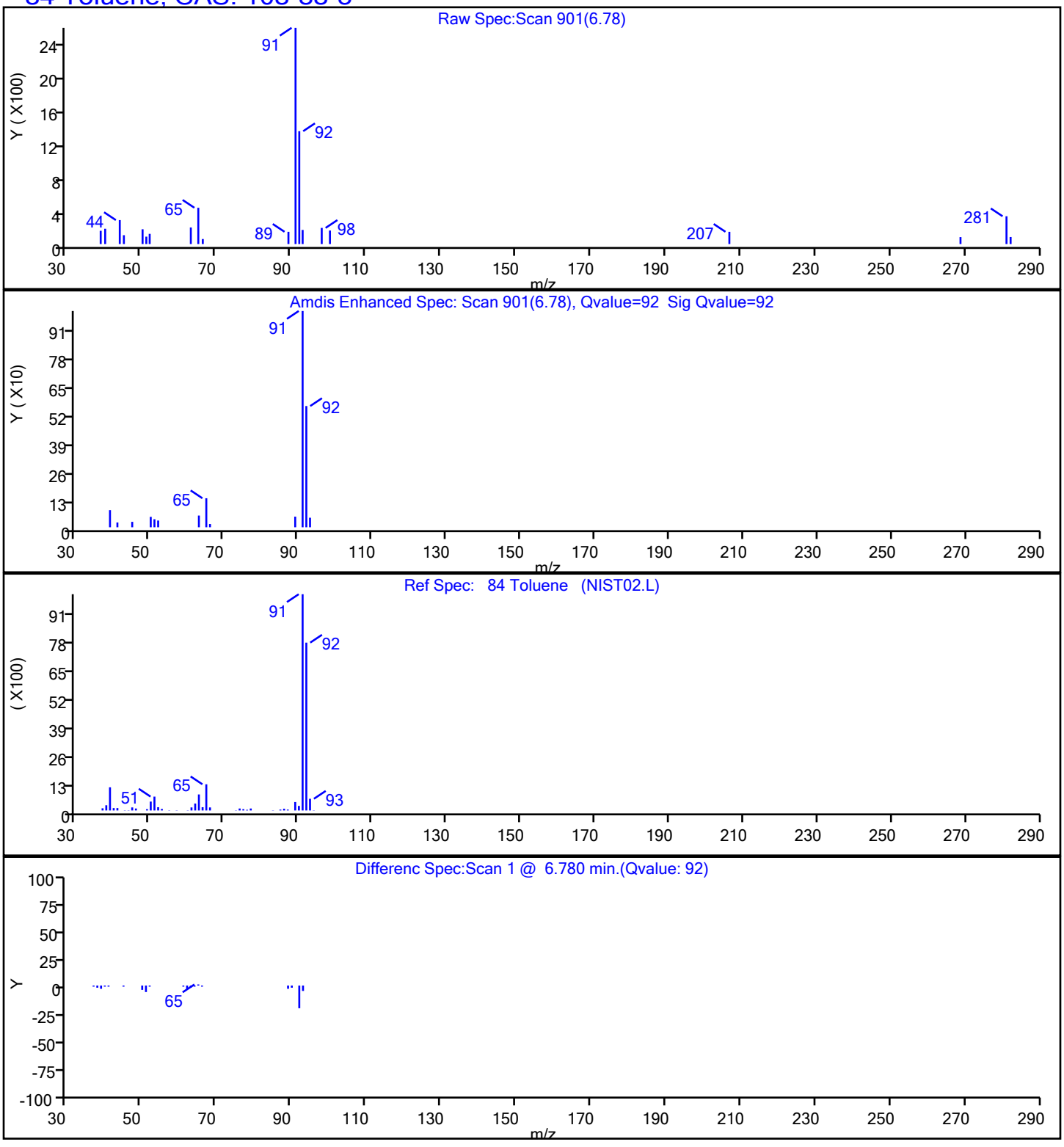
Report Date: 22-Mar-2024 12:18:07 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77698.D

Injection Date:	22-Mar-2024 10:09:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300484-A-4	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	14	Worklist Smp#:	15
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

84 Toluene, CAS: 108-88-3



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.1007	0.0626 +++++	0.0803 +++++	0.0910	0.1070	Ave		0.0883				19.9		20.0			
Dichlorodifluoromethane	+++++ 0.3032	0.1949 0.3343	0.3061 0.3349	0.3290	0.3440	Ave		0.3066			0.1000	16.8		20.0			
Chlorodifluoromethane	+++++ 0.0480	0.0315 0.0371	0.0430 0.0343	0.0496	0.0490	Ave		0.0418				17.9		20.0			
Chloromethane	+++++ 0.3193	0.3922 0.3094	0.3092 0.3008	0.3138	0.3397	Ave		0.3264			0.1000	9.7		20.0			
Vinyl chloride	+++++ 0.3134	0.3072 0.3027	0.2697 0.2917	0.3054	0.3266	Ave		0.3024			0.1000	5.9		20.0			
Butadiene	0.2761 0.2695	0.2142 0.2673	0.2306 0.2615	0.2731	0.2937	Ave		0.2608				9.9		20.0			
Bromomethane	+++++ 0.2352	0.2437 0.2077	0.2119 0.1887	0.2473	0.2566	Ave		0.2273			0.1000	10.9		20.0			
Chloroethane	+++++ 0.1751	0.1814 0.1616	0.1596 0.1547	0.1859	0.1851	Ave		0.1719			0.1000	7.6		20.0			
Dichlorofluoromethane	+++++ 0.5392	0.4957 0.5272	0.4243 0.4990	0.5362	0.5392	Ave		0.5087				8.2		20.0			
Pentane	+++++ 0.0382	0.0242 0.0215	0.0431 0.0219	0.0396	0.0443	QuaF		0.0240	-0.000002						0.9910		0.9900
Trichlorofluoromethane	+++++ 0.3624	0.2320 0.3678	0.3219 0.3578	0.3605	0.3850	Ave		0.3411			0.1000	15.2		20.0			
Ethanol	+++++ 0.2631	+++++ 0.2542	+++++ 0.2817	0.1914	0.2136	Ave		0.2408				15.4		20.0			
Ethyl ether	+++++ 0.1583	0.2140 0.1311	0.1421 0.1289	0.1585	0.1577	Ave		0.1558				18.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	+++++ 0.2012	0.1418 0.1511	0.1511 0.1500	0.2063	0.2091	Ave		0.1730				17.8		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2636	0.2325 0.2421	0.2047 0.2254	0.2495	0.2718	Ave		0.2414				9.5		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3920	0.3402 0.3635	0.3410 0.3403	0.3906	0.4028	Ave		0.3672				7.5		20.0			
Acrolein	+++++ 0.0412	0.0425 0.0439	0.0391 0.0435	0.0415	0.0429	Ave		0.0421				3.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2422	0.1983 0.2049	0.1954 0.2127	0.2283	0.2662	Ave		0.2211			0.1000	11.7		20.0			
1,1-Dichloroethene	+++++ 0.2490	0.2496 0.1904	0.2198 0.1888	0.2651	0.2635	Ave		0.2323			0.1000	14.1		20.0			
Acetone	+++++ 0.6539	1.0879 0.6665	0.7005 0.6319	0.6221	0.6719	QuaF		0.6851	-0.000021		0.0500				1.0000		0.9900
Iodomethane	+++++ 0.5182	0.4366 0.3857	0.4000 0.3713	0.4858	0.5362	Ave		0.4477				14.8		20.0			
Isopropyl alcohol	+++++ 3.0707	+++++ 2.7826	3.6314 2.9939	2.5620	2.9150	Ave		2.9926				12.0		20.0			
Carbon disulfide	+++++ 0.8894	0.7755 +++++	0.6740 +++++	0.8921	0.9433	Ave		0.8348			0.1000	13.0		20.0			
3-Chloro-1-propene	+++++ 0.1765	0.1235 0.1372	0.1340 0.1370	0.1598	0.1744	Ave		0.1489				14.2		20.0			
Methyl acetate	+++++ 0.1669	0.1582 0.1417	0.1385 0.1395	0.1550	0.1647	Ave		0.1520			0.1000	7.9		20.0			
Cyclopentene	+++++ 0.5084	0.4127 0.3262	0.4041 +++++	0.4942	0.5434	Ave		0.4482				18.1		20.0			
Acetonitrile	+++++ 0.3463	0.3313 0.3197	0.3201 0.3398	0.3289	0.3917	Ave		0.3397				7.3		20.0			
Methylene Chloride	+++++ 0.3040	0.2514 0.2474	0.2398 0.2419	0.2888	0.3161	Ave		0.2699			0.1000	11.9		20.0			
2-Methyl-2-propanol	+++++ 6.0681	5.4795 5.4870	4.1095 5.4975	5.2177	5.7968	Ave		5.3794				11.6		20.0			
Methyl tert-butyl ether	+++++ 0.7598	0.7435 0.6734	0.6286 0.6464	0.7248	0.7842	Ave		0.7087			0.1000	8.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.2835	0.3105 0.2143	0.2155 0.2108	0.2786	0.2936	Ave		0.2581			0.1000	16.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	0.0863 0.0915	0.0803 0.0805	0.0680 0.0769	0.0856	0.0919	Ave		0.0826				9.6		20.0			
Hexane	+++++ 0.2954	0.2214 +++++	0.2574 +++++	0.2916	0.3363	Ave		0.2804				15.4		20.0			
Isopropyl ether	+++++ 0.8060	0.7622 0.7187	0.6393 0.6920	0.7662	0.8194	Ave		0.7434				8.6		20.0			
1,1-Dichloroethane	+++++ 0.4585	0.3904 0.3920	0.3500 0.3812	0.4275	0.4686	Ave		0.4097			0.2000	10.6		20.0			
Vinyl acetate	+++++ 0.6137	0.4999 0.6022	0.4572 0.5394	0.6167	0.5780	Ave		0.5581				11.0		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2228	0.1778 0.1935	0.1724 0.1896	0.2018	0.2295	Ave		0.1982				10.9		20.0			
Tert-butyl ethyl ether	+++++ 0.7846	0.6533 0.7057	0.5724 0.6811	0.7436	0.8035	Ave		0.7063				11.3		20.0			
2,2-Dichloropropane	+++++ 0.0960	0.0585 0.0840	0.0767 0.0831	0.0966	0.0976	Ave		0.0847				16.6		20.0			
cis-1,2-Dichloroethene	+++++ 0.3081	0.2842 0.2584	0.2452 0.2534	0.2872	0.3163	Ave		0.2790			0.1000	9.9		20.0			
2-Butanone (MEK)	+++++ 0.3013	0.2593 0.2709	0.2259 0.2554	0.2945	0.3047	Ave		0.2731			0.0500	10.6		20.0			
Ethyl acetate	+++++ 0.3111	0.2965 0.2916	0.2205 0.2691	0.3325	0.3089	Ave		0.2901				12.5		20.0			
Methyl acrylate	+++++ 0.2053	0.1818 0.1864	0.1416 0.1781	0.1864	0.2009	Ave		0.1829				11.3		20.0			
Propionitrile	+++++ 10.336	9.7481 9.3477	7.5511 9.3195	9.6334	9.9620	Ave		9.4140				9.5		20.0			
Tetrahydrofuran	+++++ 0.3644	0.1610 0.3324	0.3379 0.3015	0.3627	0.3859	Qua2	-0.205	0.3904	-0.000097						0.9940		0.9900
Chlorobromomethane	+++++ 0.1568	0.1285 0.1344	0.1183 0.1311	0.1537	0.1573	Ave		0.1400				11.2		20.0			
Methacrylonitrile	+++++ 0.1003	0.0888 0.0934	0.0705 0.0859	0.0929	0.1021	Ave		0.0906				11.7		20.0			
Chloroform	+++++ 0.4411	0.3778 0.3831	0.3626 0.3671	0.4221	0.4565	Ave		0.4015			0.2000	9.4		20.0			
Cyclohexane	+++++ 0.3515	0.2426 0.2599	0.2813 0.2691	0.3524	0.3931	Ave		0.3071			0.1000	18.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.3767	0.3184 0.3278	0.2970 0.3210	0.3631	0.3957	Ave		0.3428			0.1000	10.5		20.0			
Carbon tetrachloride	+++++ 0.3278	0.2543 0.2845	0.2534 0.2830	0.3212	0.3460	Ave		0.2958			0.1000	12.4		20.0			
1,1-Dichloropropene	+++++ 0.3287	0.2808 0.2645	0.2584 0.2633	0.3216	0.3394	Ave		0.2938				11.9		20.0			
Isobutyl alcohol	+++++ 2.0632	1.7106 2.0574	1.0954 2.0748	1.4785	1.7643	QuaF		2.0402	0.0000028						1.0000		0.9900
Isooctane	+++++ 0.8258	0.6078 0.7117	0.6634 0.7675	0.7670	0.9145	Ave		0.7511				13.6		20.0			
Benzene	+++++ 1.3530	1.3314 1.1004	1.1078 0.9967	1.2996	1.4121	Ave		1.2287			0.5000	12.8		20.0			
Isopropyl acetate	+++++ 0.1331	0.0691 0.1212	0.0961 0.1194	0.1234	0.1278	Ave		0.1129				20.0		20.0			
Tert-amyl methyl ether	+++++ 0.7986	0.6812 0.7338	0.5333 0.6990	0.7384	0.8090	Ave		0.7133				12.9		20.0			
1,2-Dichloroethane	+++++ 0.2974	0.2730 0.2560	0.2413 0.2524	0.2771	0.3003	Ave		0.2711			0.1000	8.3		20.0			
n-Heptane	+++++ 0.0579	0.0374 0.0391	0.0437 +++++	0.0541	0.0627	Qua2	-0.013	0.0611	-0.000105						0.9940		0.9900
n-Butanol	+++++ 1.2805	0.8196 1.3165	0.7453 1.5099	0.8804	1.0222	QuaF		1.1912	0.0000255						1.0000		0.9900
Trichloroethene	+++++ 0.2623	0.2444 0.2244	0.2073 0.2201	0.2441	0.2715	Ave		0.2392			0.2000	9.7		20.0			
Ethyl acrylate	+++++ 0.0355	0.0180 0.0323	0.0268 0.0339	0.0333	0.0374	QuaF		0.0319	0.0000039						1.0000		0.9900
Methylcyclohexane	+++++ 0.4054	0.2867 0.3166	0.3218 0.3348	0.3937	0.4469	Ave		0.3580			0.1000	16.2		20.0			
1,2-Dichloropropane	+++++ 0.2589	0.2273 0.2317	0.2035 0.2298	0.2373	0.2603	Ave		0.2355			0.1000	8.3		20.0			
Methyl methacrylate	+++++ 0.0642	0.0395 0.0617	0.0460 0.0631	0.0570	0.0643	Ave		0.0565				17.5		20.0			
1,4-Dioxane	+++++ 0.7907	+++++ 0.7951	0.6669 0.8410	0.6998	0.7478	Ave		0.7569				8.6		20.0			
Dibromomethane	+++++ 0.1584	0.1411 0.1402	0.1102 0.1382	0.1513	0.1648	Ave		0.1435				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Propyl acetate	+++++ 0.2867	0.2293 0.2739	0.2202 0.2780	0.2590	0.2811	Ave		0.2612				10.1		20.0			
Dichlorobromomethane	+++++ 0.3216	0.2941 0.2988	0.2268 0.2953	0.2988	0.3240	Ave		0.2942			0.2000	11.0		20.0			
2-Nitropropane	+++++ 0.0439	0.0862 0.0454	0.0570 0.0477	0.0432	0.0447	Lin2	0.0394	0.0434							0.9900		0.9900
2-Chloroethyl vinyl ether	+++++ 0.1494	0.1250 0.1412	0.1199 0.1465	0.1331	0.1519	Ave		0.1381				9.0		20.0			
Epichlorohydrin	0.2179 0.2407	0.2556 0.2337	0.1758 0.2131	0.2304	0.2422	Ave		0.2262				10.8		20.0			
cis-1,3-Dichloropropene	+++++ 0.5383	0.4153 0.4840	0.3820 0.4649	0.4825	0.5473	Ave		0.4735			0.2000	12.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.0810	0.9195 1.0628	0.7397 0.9590	0.9368	1.0835	Ave		0.9689			0.0500	12.7		20.0			
Toluene	+++++ 1.3980	1.7126 1.1885	1.3304 1.0699	1.3750	1.4619	Ave		1.3623			0.4000	15.0		20.0			
trans-1,3-Dichloropropene	+++++ 0.4534	0.3680 0.4259	0.3228 0.4107	0.4182	0.4654	Ave		0.4092			0.1000	12.1		20.0			
Ethyl methacrylate	+++++ 0.3961	0.3219 0.3800	0.2518 0.3670	0.3271	0.3794	Ave		0.3462				14.5		20.0			
1,1,2-Trichloroethane	+++++ 0.2506	0.2569 0.2272	0.1835 0.2216	0.2326	0.2532	Ave		0.2322			0.1000	11.0		20.0			
Tetrachloroethene	+++++ 0.3686	0.3560 0.3149	0.2710 0.2989	0.3566	0.3780	Ave		0.3348			0.2000	12.0		20.0			
1,3-Dichloropropane	+++++ 0.4704	0.3800 0.4306	0.3687 0.4123	0.4332	0.4847	Ave		0.4257				10.1		20.0			
2-Hexanone	+++++ 1.5113	1.1059 1.4073	0.9458 1.3013	1.3250	1.4828	Ave		1.2971			0.0500	15.8		20.0			
n-Butyl acetate	+++++ 0.4280	0.3650 0.4069	0.2948 0.3974	0.3709	0.4139	Ave		0.3824				11.7		20.0			
Chlorodibromomethane	+++++ 0.3361	0.2737 0.3184	0.2414 0.3097	0.2960	0.3372	Ave		0.3018			0.1000	11.5		20.0			
Ethylene Dibromide	+++++ 0.2957	0.2762 0.2678	0.2188 0.2582	0.2808	0.2974	Ave		0.2707			0.1000	9.9		20.0			
Chlorobenzene	+++++ 0.9368	0.9317 0.8351	0.7109 0.7853	0.8840	0.9685	Ave		0.8646			0.5000	10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.4981	0.4743 0.4516	0.3471 0.4280	0.4673	0.5132	Ave		0.4542			0.1000	12.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3553	0.2924 0.3345	0.2454 0.3183	0.3140	0.3642	Ave		0.3177				12.7		20.0			
m-Xylene & p-Xylene	+++++ 0.6107	0.5586 0.5499	0.4609 0.5219	0.5602	0.6258	Ave		0.5554			0.1000	9.9		20.0			
n-Butyl acrylate	+++++ 0.2493	0.1933 0.2484	0.1706 0.2409	0.1953	0.2279	Ave		0.2179				14.4		20.0			
o-Xylene	+++++ 0.6403	0.5460 0.5770	0.4608 0.5339	0.5723	0.6396	Ave		0.5671			0.3000	11.1		20.0			
Styrene	+++++ 0.9776	0.7965 0.8956	0.6352 0.8315	0.8383	0.9750	Ave		0.8500			0.3000	13.9		20.0			
Amyl acetate (mixed isomers)	+++++ 0.9407	0.7181 0.9065	0.5993 0.8795	0.7641	0.9072	Ave		0.8165				15.4		20.0			
Bromoform	+++++ 0.2331	0.2231 0.2232	0.1801 0.2137	0.2043	0.2233	Ave		0.2144			0.1000	8.2		20.0			
Isopropylbenzene	+++++ 1.5771	1.3037 1.4121	1.1202 1.2252	1.4544	1.6328	Ave		1.3893			0.1000	13.3		20.0			
Bromobenzene	+++++ 0.7264	0.5812 0.6745	0.6057 0.6502	0.6771	0.7697	Ave		0.6693				9.8		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6679	0.5761 0.6218	0.4788 0.6045	0.6459	0.7026	Ave		0.6139			0.3000	11.8		20.0			
N-Propylbenzene	+++++ 3.1851	2.9612 2.8216	2.4192 2.4282	3.0665	3.4343	Ave		2.9023				13.0		20.0			
1,2,3-Trichloropropane	+++++ 0.1851	0.1618 0.1700	0.1260 0.1656	0.1931	0.1942	Ave		0.1708				13.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1545	0.1068 0.1430	0.1339 0.1439	0.1386	0.1571	Ave		0.1397				11.9		20.0			
2-Chlorotoluene	+++++ 2.1465	2.0087 1.9654	1.6518 1.7987	2.0547	2.3044	Ave		1.9900				10.8		20.0			
4-Ethyltoluene	+++++ 2.7022	2.4691 2.4648	1.9722 2.1731	2.6157	2.8611	Ave		2.4655				12.4		20.0			
1,3,5-Trimethylbenzene	+++++ 2.2881	1.8692 2.1384	1.5727 1.8906	2.1315	2.4482	Ave		2.0484				14.3		20.0			
4-Chlorotoluene	+++++ 1.9467	1.8832 1.7768	1.6305 1.6056	1.9036	2.0597	Ave		1.8294				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	+++++ 0.8011	0.4667 0.7949	0.4547 0.7771	0.6254	0.7559	QuaF		0.8050	-0.000056						1.0000		0.9900
tert-Butylbenzene	+++++ 1.9953	1.6877 1.8841	1.4438 1.6895	1.8231	2.0879	Ave		1.8016				12.0		20.0			
1,2,4-Trimethylbenzene	+++++ 2.4043	2.0522 2.2013	1.7478 1.9117	2.2541	2.5905	Ave		2.1660				13.3		20.0			
sec-Butylbenzene	+++++ 3.0034	2.7180 2.7735	2.1834 2.3230	2.8523	3.2529	Ave		2.7295				13.6		20.0			
1,3-Dichlorobenzene	+++++ 1.4013	1.3326 1.2877	1.0377 1.1665	1.3833	1.4641	Ave		1.2962			0.6000	11.4		20.0			
4-Isopropyltoluene	+++++ 2.6627	2.1663 2.4668	1.7780 2.0460	2.4583	2.8264	Ave		2.3435				15.6		20.0			
1,4-Dichlorobenzene	+++++ 1.4421	1.2709 1.2999	1.1158 1.1904	1.3512	1.4850	Ave		1.3079			0.5000	10.0		20.0			
1,2,3-Trimethylbenzene	+++++ 2.5598	2.3291 2.4106	1.9355 2.0339	2.4455	2.7500	Ave		2.3521				12.1		20.0			
Benzyl chloride	+++++ 1.3290	1.2439 1.2617	0.9372 1.1848	1.1440	1.3100	Ave		1.2015				11.1		20.0			
Indan	+++++ 2.5112	2.3322 2.2718	1.7914 1.9306	2.3223	2.6571	Ave		2.2595				13.5		20.0			
p-Diethylbenzene	+++++ 1.6976	1.4964 1.5790	1.3124 1.3634	1.5727	1.8230	Ave		1.5492				11.5		20.0			
n-Butylbenzene	+++++ 1.3598	1.2195 1.2352	1.0101 1.0958	1.3021	1.4558	Ave		1.2398				12.3		20.0			
1,2-Dichlorobenzene	+++++ 1.4088	1.3222 1.2794	1.1006 1.1653	1.3468	1.4931	Ave		1.3023			0.4000	10.4		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.6915	2.5018 2.5016	1.9097 1.9612	2.4157	2.8620	Ave		2.4062				14.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1688	0.1696 0.1601	0.1019 0.1550	0.1459	0.1682	Ave		0.1528			0.0500	15.7		20.0			
1,3,5-Trichlorobenzene	+++++ 1.2540	1.2102 1.1748	0.9281 0.9860	1.1869	1.3460	Ave		1.1551				12.8		20.0			
1,2,4-Trichlorobenzene	+++++ 1.2221	1.1589 1.0943	0.8953 0.9116	1.1450	1.2907	Ave		1.1026			0.2000	13.6		20.0			
Hexachlorobutadiene	+++++ 0.5034	0.4107 0.4879	0.3580 0.4236	0.4740	0.5513	Ave		0.4584				14.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 2.8450	2.5609 2.5044	2.1430 1.9669	2.6385	3.0101	Ave		2.5241				14.6		20.0			
1,2,3-Trichlorobenzene	+++++ 1.1940	1.1117 1.0762	0.9159 0.8715	1.1445	1.2800	Ave		1.0848				13.5		20.0			
Dibromofluoromethane (Surr)	0.2648 0.2592	0.2550 0.2559	0.2602 0.2595	0.2546	0.2614	Ave		0.2588				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2507 0.2527	0.2495 0.2567	0.2548 0.2794	0.2498	0.2472	Ave		0.2551				4.0		20.0			
Toluene-d8 (Surr)	1.2712 1.2699	1.2790 1.2650	1.2758 1.2255	1.2638	1.2846	Ave		1.2669				1.4		20.0			
4-Bromofluorobenzene	0.4168 0.4298	0.4207 0.4117	0.4175 0.4084	0.4093	0.4132	Ave		0.4159				1.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 46464	278 +++++	756 +++++	4072	18859	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
Dichlorodifluoromethane	FB	Ave	+++++ 139871	866 611097	2882 1626794	14714	60656	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodifluoromethane	FB	Ave	+++++ 22145	140 67892	405 166857	2218	8639	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 147330	1743 565549	2911 1461213	14036	59896	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 144612	1365 553336	2539 1417109	13659	57585	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	592 124350	952 488734	2171 1270256	12216	51775	0.250 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	FB	Ave	+++++ 108512	1083 379629	1995 916672	11061	45244	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroethane	FB	Ave	+++++ 80805	806 295478	1503 751547	8317	32626	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 248768	2203 963780	3995 2424191	23981	95057	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	FB	QuaF	+++++ 35292	215 78458	812 213021	3539	15628	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Trichlorofluoromethane	FB	Ave	+++++ 167212	1031 672411	3031 1738008	16126	67878	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethanol	TBAd9	Ave	+++++ 14457	+++++ 56891	+++++ 166665	1014	4633	+++++ 2000	+++++ 8000	+++++ 20000	200	800
Ethyl ether	FB	Ave	+++++ 73042	951 239634	1338 626249	7090	27805	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 92836	630 276244	1423 728670	9229	36869	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 121624	1033 442542	1927 1094745	11159	47927	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 180842	1512 664551	3211 1653091	17472	71013	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	FB	Ave	+++++ 37977	755 80267	1471 168967	7426	15134	+++++ 100	2.00 200	4.00 400	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 111747	881 374495	1840 1033141	10209	46929	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethene	FB	Ave	+++++ 114860	1109 348050	2069 917283	11859	46450	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	QuaF	+++++ 126850	1926 500140	2716 1362613	11300	48000	+++++ 250	2.50 1000	5.00 2500	25.0	100
Iodomethane	FB	Ave	+++++ 239077	1940 705143	3766 1803569	21727	94538	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Ave	+++++ 42181	+++++ 155666	1033 442852	3393	15808	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Carbon disulfide	FB	Ave	+++++ 410317	3446 +++++	6346 +++++	39901	166302	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
3-Chloro-1-propene	FB	Ave	+++++ 81443	549 250765	1262 665613	7147	30741	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	FB	Ave	+++++ 153987	1406 517898	2608 1354862	13865	58061	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Cyclopentene	FB	Ave	+++++ 234567	1834 596281	3805 +++++	22102	95808	+++++ 50.0	0.500 200	1.00 +++++	5.00	20.0
Acetonitrile	BUT	Ave	+++++ 134369	1173 479813	2482 1465432	11950	55973	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 140238	1117 452249	2258 1175111	12919	55721	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 83354	706 306956	1169 813188	6910	31436	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methyl tert-butyl ether	FB	Ave	+++++ 350561	3304 1230945	5918 3140233	32419	138251	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 130812	1380 391711	2029 1023918	12461	51758	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	1481 421926	3570 1471562	6398 3737347	38302	161965	2.00 500	5.00 2000	10.0 5000	50.0	200
Hexane	FB	Ave	+++++ 136281	984 +++++	2423 +++++	13042	59288	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
Isopropyl ether	FB	Ave	+++++ 371844	3387 1313793	6019 3361532	34270	144466	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	+++++ 211542	1735 716635	3295 1851554	19122	82610	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Vinyl acetate	BUT	Ave	+++++ 47623	354 180738	709 465249	4481	16518	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 102771	790 353756	1623 920940	9028	40460	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-butyl ethyl ether	FB	Ave	+++++ 362003	2903 1290138	5389 3308686	33259	141667	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 44273	260 153596	722 403870	4321	17214	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 142145	1263 472322	2309 1230827	12847	55768	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone (MEK)	BUT	Ave	+++++ 58455	459 203256	876 550717	5350	21768	+++++ 250	2.50 1000	5.00 2500	25.0	100
Ethyl acetate	BUT	Ave	+++++ 24139	210 87529	342 232153	2416	8829	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	+++++ 94719	808 340684	1333 865043	8336	35420	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Propionitrile	TBAd9	Ave	+++++ 141983	1256 522931	2148 1378534	12758	54024	+++++ 500	5.00 2000	10.0 5000	50.0	200
Tetrahydrofuran	BUT	Qua2	+++++ 28281	114 99759	524 260050	2635	11029	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Chlorobromomethane	FB	Ave	+++++ 72322	571 245610	1114 636746	6876	27740	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methacrylonitrile	FB	Ave	+++++ 462967	3948 1707711	6636 4175220	41562	180036	+++++ 500	5.00 2000	10.0 5000	50.0	200
Chloroform	FB	Ave	+++++ 203531	1679 700258	3414 1783050	18881	80479	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	+++++ 162169	1078 475103	2648 1307444	15760	69310	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 173815	1415 599272	2796 1559346	16240	69766	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 151239	1130 520175	2386 1374506	14367	61007	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	+++++ 151668	1248 483615	2433 1278904	14382	59837	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd9	QuaF	+++++ 70853	551 287733	779 767266	4895	23919	+++++ 1250	12.5 5000	25.0 12500	125	500
Isooctane	FB	Ave	+++++ 380995	2701 1301086	6246 3728460	34306	161234	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzene	CBNZd5	Ave	+++++ 475542	4421 1548231	7787 3876945	44163	188420	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isopropyl acetate	FB	Ave	+++++ 61421	307 221513	905 580135	5519	22529	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-amyl methyl ether	FB	Ave	+++++ 368459	3027 1341368	5021 3395461	33028	142623	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 137231	1213 467958	2272 1226041	12393	52940	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	Qua2	+++++ 26698	166 71513	411 +++++	2418	11059	+++++ 50.0	0.500 200	1.00 +++++	5.00	20.0
n-Butanol	TBAd9	QuaF	+++++ 43974	264 184126	530 558374	2915	13859	+++++ 1250	12.5 5000	25.0 12500	125	500
Trichloroethene	FB	Ave	+++++ 120996	1086 410192	1952 1069212	10919	47873	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	QuaF	+++++ 16392	80 59025	252 164613	1488	6593	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	+++++ 187047	1274 578696	3030 1626295	17607	78789	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	+++++ 119454	1010 423617	1916 1116173	10613	45885	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 59256	351 225478	867 612794	5101	22669	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	+++++ 17131	+++++ 60320	679 172984	1378	6152	+++++ 1000	+++++ 4000	50.0 10000	100	400
Dibromomethane	FB	Ave	+++++ 73096	627 256273	1038 671423	6766	29063	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Propyl acetate	FB	Ave	+++++ 132261	1019 500757	2073 1350227	11583	49567	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Ave	+++++ 148381	1307 546147	2135 1434524	13364	57128	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Nitropropane	FB	Lin2	+++++ 40526	766 165938	1073 463756	3866	15760	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 69080	557 258725	1132 713492	5966	26838	+++++ 50.1	0.501 200	1.00 501	5.01	20.0
Epichlorohydrin	BUT	Ave	713 186818	1810 701274	2727 1838413	16739	69217	5.00 1000	10.0 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 189200	1379 680989	2685 1808237	16398	73024	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 209719	1628 797431	2868 2067886	17017	77410	+++++ 250	2.50 1000	5.00 2500	25.0	100
Toluene	CBNZd5	Ave	+++++	5687	9352	46725	195060	+++++	0.500	1.00	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			491351	1672129	4161775			50.0	200	500		
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 159352	1222 599275	2269 1597356	14210	62100	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 139205	1069 534670	1770 1427663	11116	50628	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 88078	853 319603	1290 861774	7904	33788	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZd5	Ave	+++++ 129555	1182 442993	1905 1162773	12117	50436	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 165331	1262 605812	2592 1603553	14722	64668	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 293195	1958 1055996	3667 2806164	24069	105938	+++++ 250	2.50 1000	5.00 2500	25.0	100
n-Butyl acetate	CBNZd5	Ave	+++++ 150433	1212 572488	2072 1545960	12604	55224	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodibromomethane	CBNZd5	Ave	+++++ 118134	909 447929	1697 1204603	10059	44992	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZd5	Ave	+++++ 103927	917 376804	1538 1004434	9543	39681	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZd5	Ave	+++++ 329254	3094 1175018	4997 3054491	30041	129225	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZd5	Ave	+++++ 175066	1575 635435	2440 1664781	15879	68476	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 124892	971 470565	1725 1238196	10672	48599	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZd5	Ave	+++++ 214625	1855 773722	3240 2029866	19036	83498	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZd5	Ave	+++++ 87631	642 349436	1199 936897	6637	30404	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
o-Xylene	CBNZd5	Ave	+++++ 225046	1813 811798	3239 2076651	19448	85338	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZd5	Ave	+++++ 343590	2645 1260119	4465 3234116	28489	130099	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd4	Ave	+++++ 193968	1385 728187	2417 1906916	14690	68015	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZd5	Ave	+++++ 81935	741 314012	1266 831076	6941	29799	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZd5	Ave	+++++ 554290	4329 1986706	7874 4765685	49426	217862	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd4	Ave	+++++ 149777	1121 541869	2443 1409751	13018	57705	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	+++++ 137709	1111 499458	1931 1310599	12417	52679	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd4	Ave	+++++ 656751	5711 2266651	9757 5264436	58953	257485	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd4	Ave	+++++ 38173	312 136574	508 359102	3713	14562	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 31867	206 114911	540 311901	2664	11779	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd4	Ave	+++++ 442595	3874 1578813	6662 3899632	39501	172773	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd4	Ave	+++++ 557180	4762 1979994	7954 4711415	50286	214511	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd4	Ave	+++++ 471789	3605 1717824	6343 4098955	40977	183551	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd4	Ave	+++++ 401390	3632 1427278	6576 3481054	36597	154422	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd4	QuaF	+++++ 165188	900 638546	1834 1684754	12023	56671	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd4	Ave	+++++ 411412	3255 1513504	5823 3662919	35048	156540	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd4	Ave	+++++ 495742	3958 1768355	7049 4144709	43334	194223	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd4	Ave	+++++ 619285	5242 2228013	8806 5036320	54834	243886	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 288936	2570 1034420	4185 2529062	26594	109770	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Isopropyltoluene	DCBd4	Ave	+++++ 549028	4178 1981578	7171 4435804	47261	211909	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd4	Ave	+++++ 297344	2451 1044224	4500 2580959	25977	111336	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd4	Ave	+++++ 527813	4492 1936472	7806 4409674	47015	206181	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd4	Ave	+++++ 274027	2399 1013526	3780 2568786	21994	98213	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd4	Ave	+++++ 517796	4498 1824929	7225 4185687	44645	199214	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd4	Ave	+++++ 350024	2886 1268413	5293 2955959	30234	136676	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd4	Ave	+++++ 280387	2352 992209	4074 2375756	25033	109145	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 290480	2550 1027752	4439 2526417	25892	111941	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd4	Ave	+++++ 554976	4825 2009575	7702 4252085	46442	214573	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 34811	327 128611	411 336144	2805	12610	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trichlorobenzene	DCBd4	Ave	+++++ 258565	2334 943742	3743 2137622	22817	100918	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++ 251987	2235 879024	3611 1976309	22013	96772	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd4	Ave	+++++ 103797	792 391942	1444 918395	9112	41330	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd4	Ave	+++++ 586621	4939 2011783	8643 4264441	50725	225679	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++ 246195	2144 864504	3694 1889494	22003	95965	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	113551 119602	113318 116950	122502 126044	113888	115212	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	107517 116573	110870 117313	119935 135746	111750	108970	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZd5	Ave	401550 446329	424720 444941	448420 476693	429462	428516	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZd5	Ave	131655 151064	139700 144824	146738 158839	139097	137847	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	+++++	7.9						30				

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Feb-2024 07:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0172593-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:27:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:08:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.653	1.659	-0.006	44	592	0.2500	0.2647	
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	25391	1000.0	1000.0	
35 Acrylonitrile	53	3.213	3.207	0.006	82	1481	2.00	2.09	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	163610	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	97	113551	50.0	51.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	107517	50.0	49.1	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	428861	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	17883	1000.0	1000.0	
80 Epichlorohydrin	57	6.414	6.408	0.006	93	713	5.00	4.82	a
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	401550	50.0	50.2	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	83	315884	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	93	131655	50.0	50.1	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	183059	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added:	0.00	Units: uL	
ACROLEIN W_00165	Amount Added:	0.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	0.00	Units: uL	
14DIOXINTER_00166	Amount Added:	0.00	Units: uL	
GASES Li_00572	Amount Added:	2.50	Units: uL	
V7FreonSS_00001	Amount Added:	0.00	Units: uL	
	Amount Added:	2.00	Units: uL	
Ethanol mix_00086	Amount Added:	0.00	Units: uL	
MIX I Hi_00173	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00145	Amount Added:	0.00	Units: uL	
GAS Hi_00463	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00122	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:27:41 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D

Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17

Lims ID: STD8

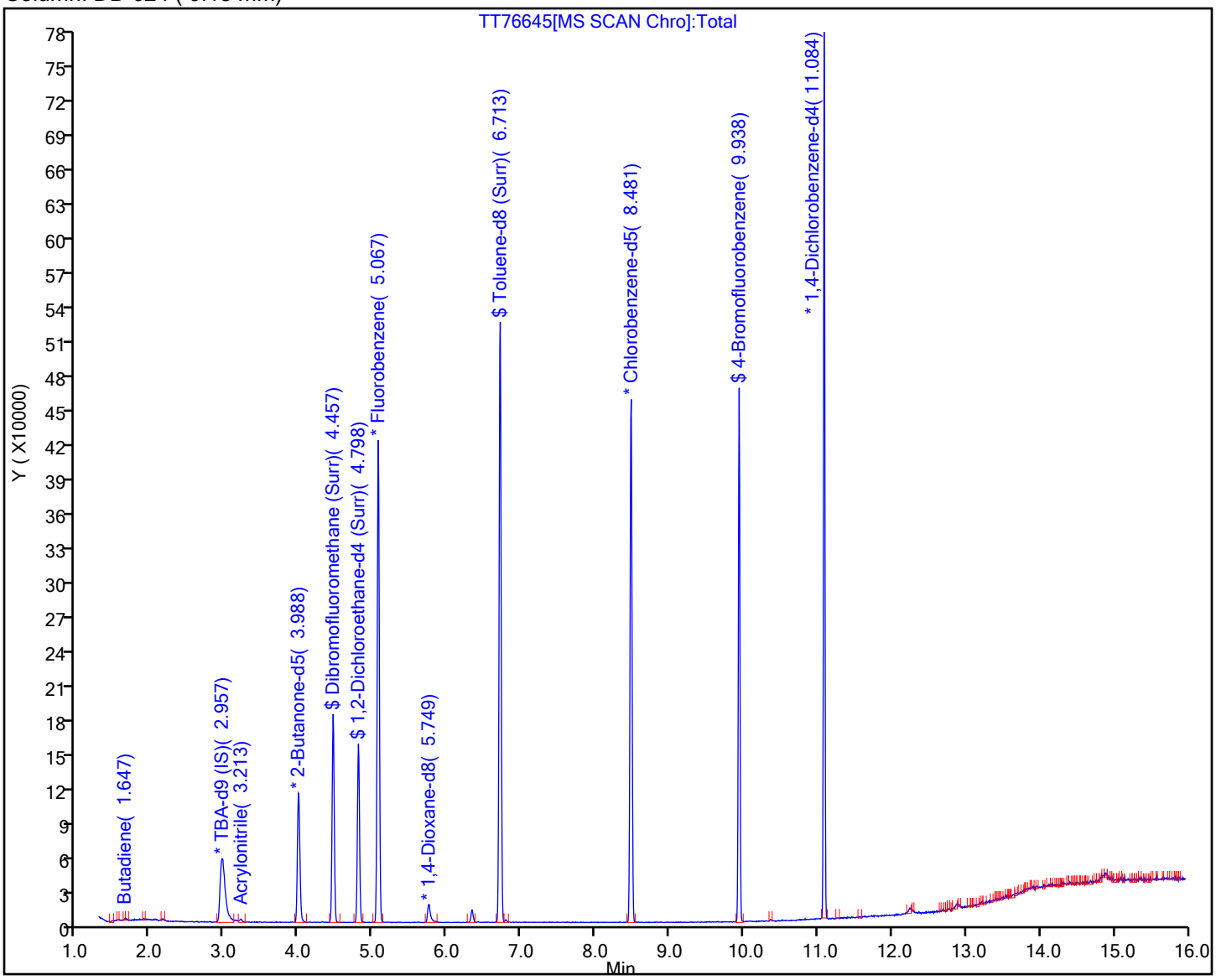
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

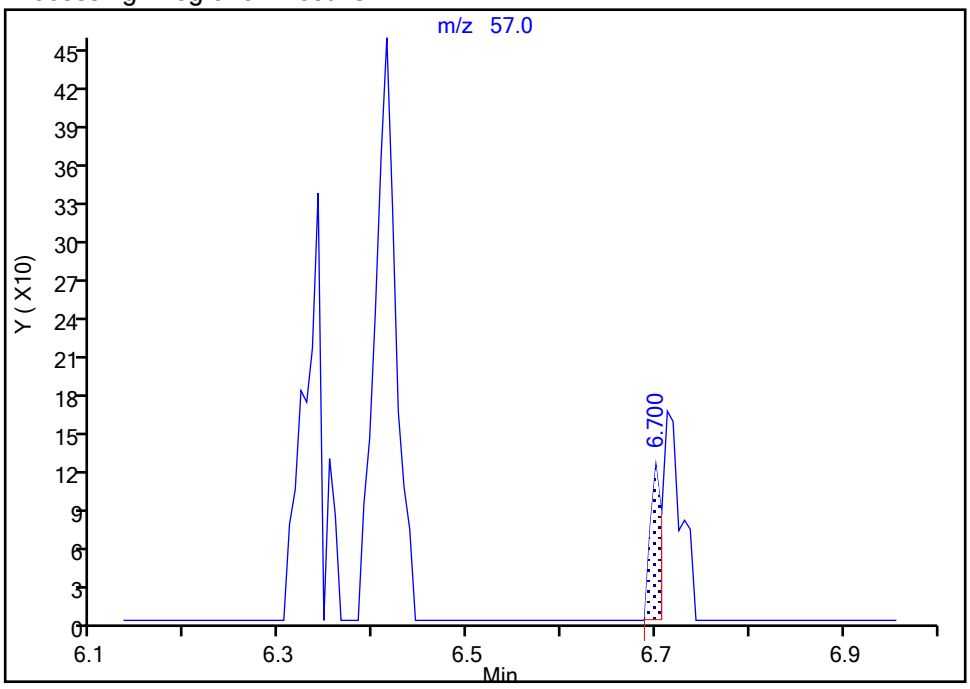
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

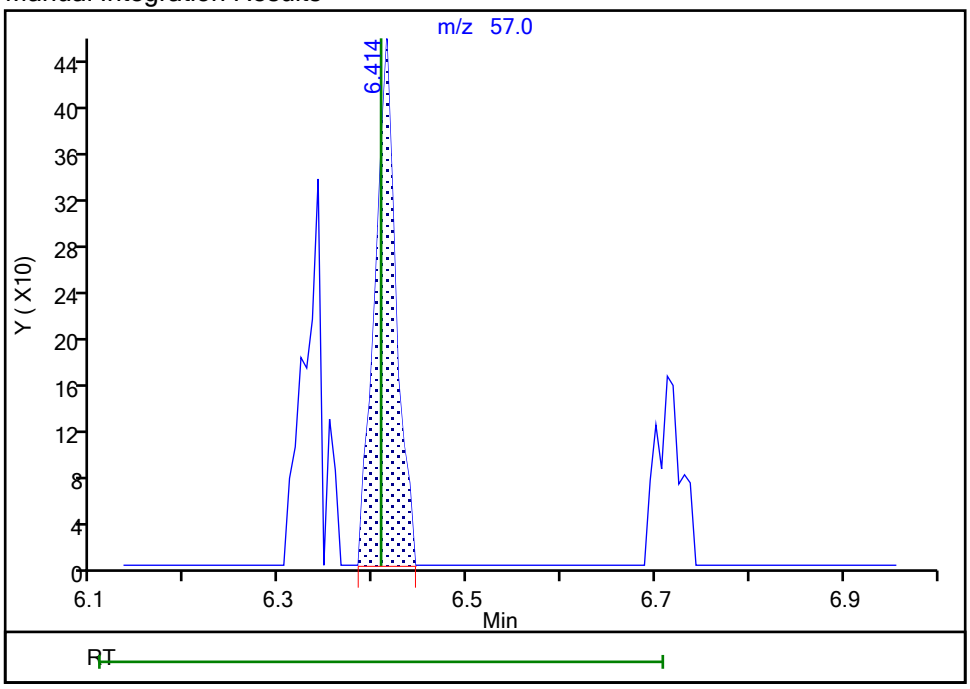
Processing Integration Results

RT: 6.70
Area: 101
Amount: 0.692293
Amount Units: ug/l



Manual Integration Results

RT: 6.41
Area: 713
Amount: 4.816900
Amount Units: ug/l



Reviewer: FK2C, 22-Feb-2024 09:08:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

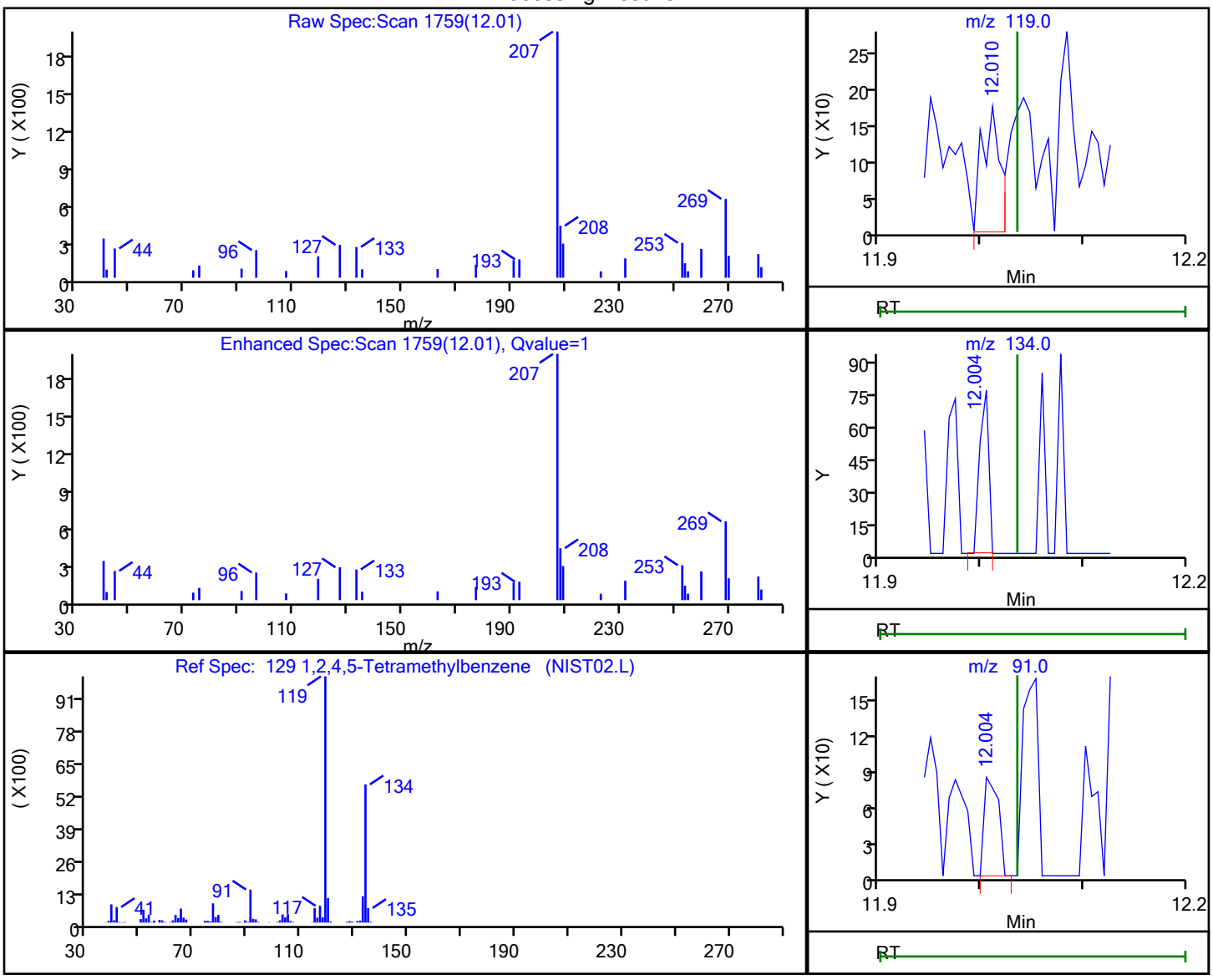
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

129 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.01	119.00	210	0.023679
12.00	134.00	48	
12.00	91.00	80	

Reviewer: FK2C, 22-Feb-2024 09:08:10 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

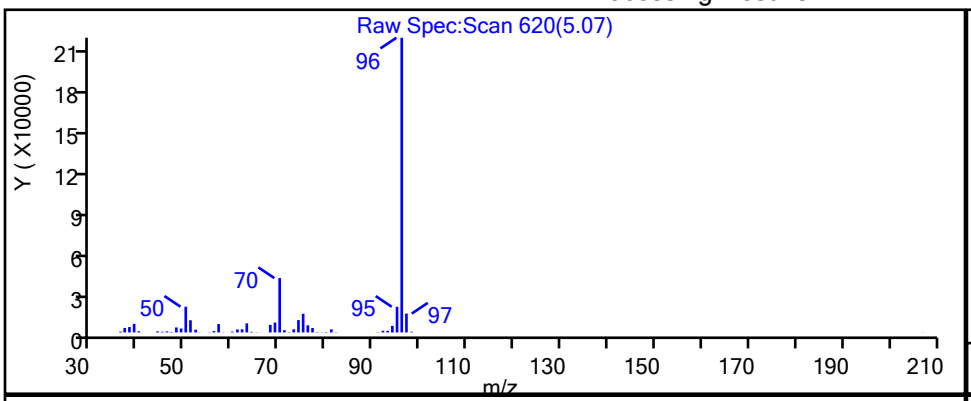
User Disabled Compound Report

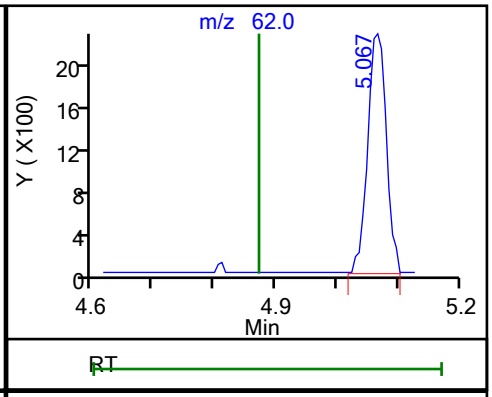
Eurofins Edison

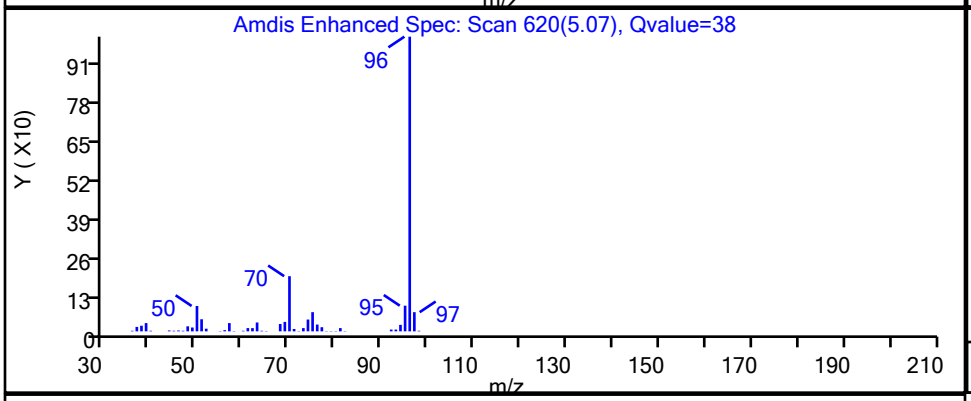
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

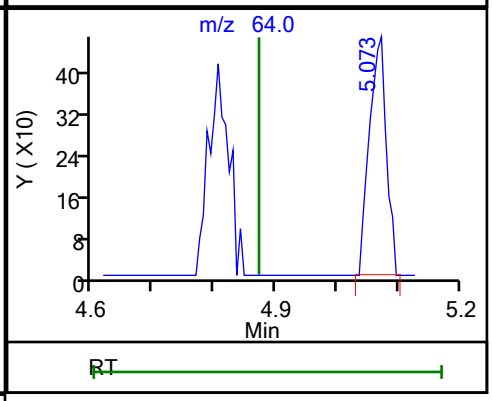
64 1,2-Dichloroethane, CAS: 107-06-2

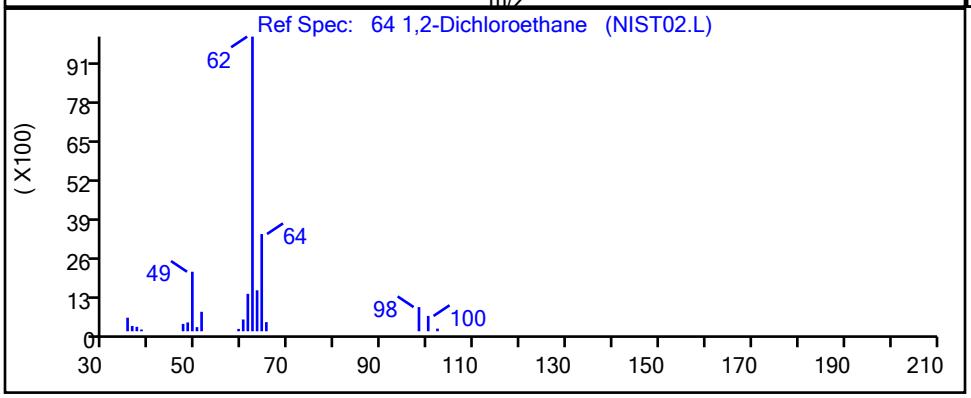
Processing Results











RT	Mass	Response	Amount
5.07	62.00	4863	2.077493
5.07	64.00	903	

Reviewer: FK2C, 22-Feb-2024 09:07:55 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

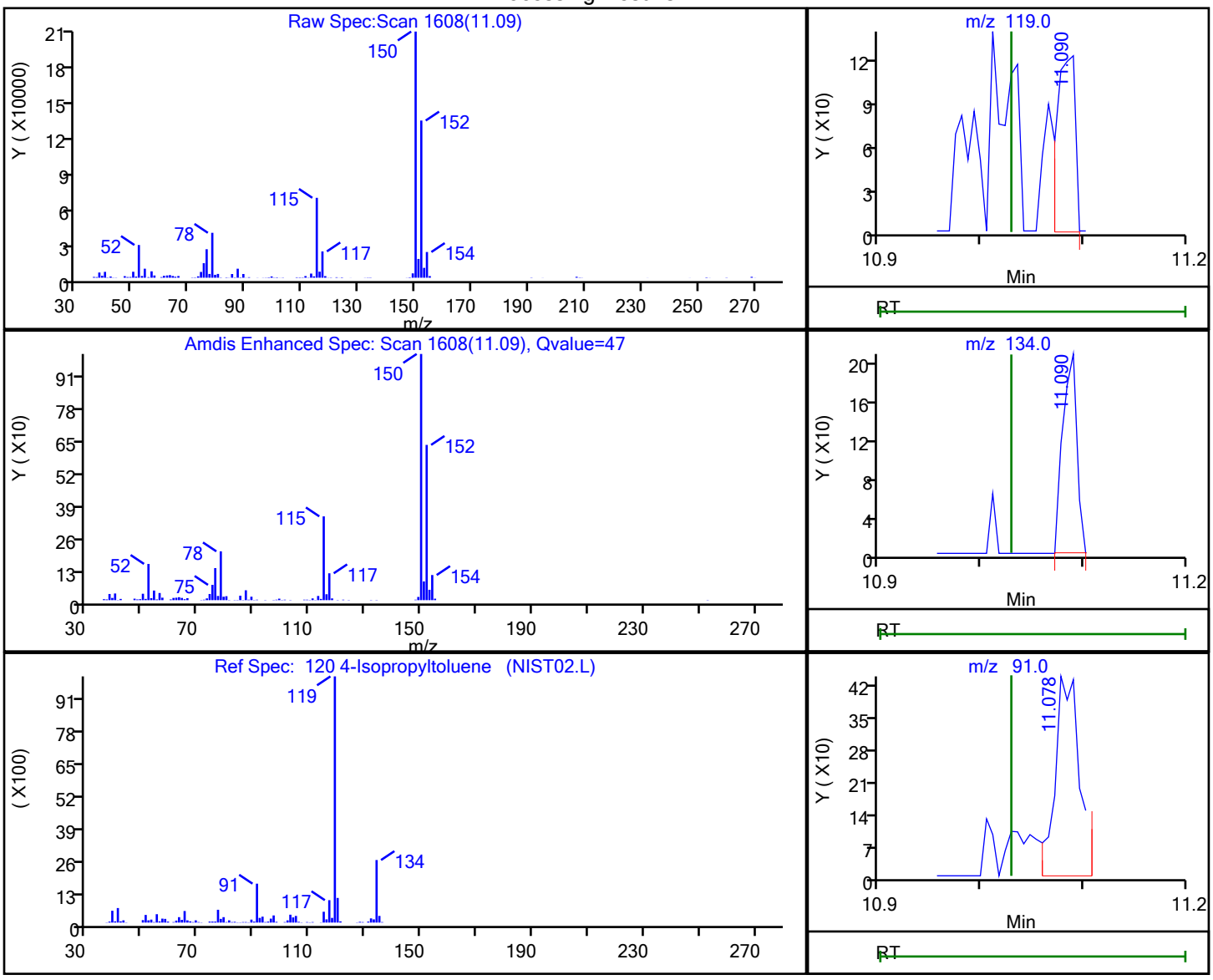
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

120 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.09	119.00	153	0.018112
11.09	134.00	204	
11.08	91.00	693	

Reviewer: FK2C, 22-Feb-2024 09:08:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

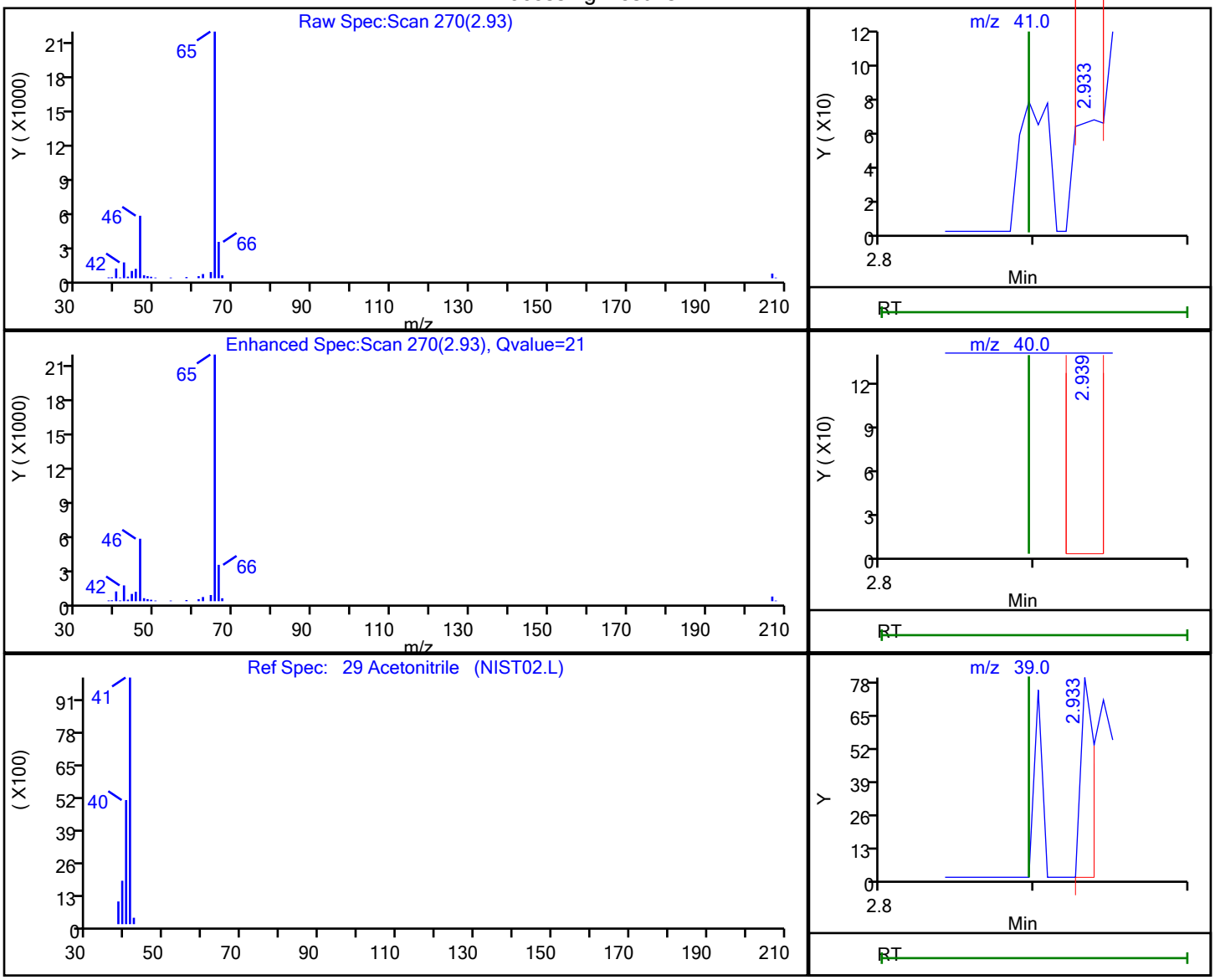
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.93	41.00	626	12.264937
2.94	40.00	95	
2.93	39.00	49	
2.94	38.00	145	

Reviewer: FK2C, 22-Feb-2024 09:07:48 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

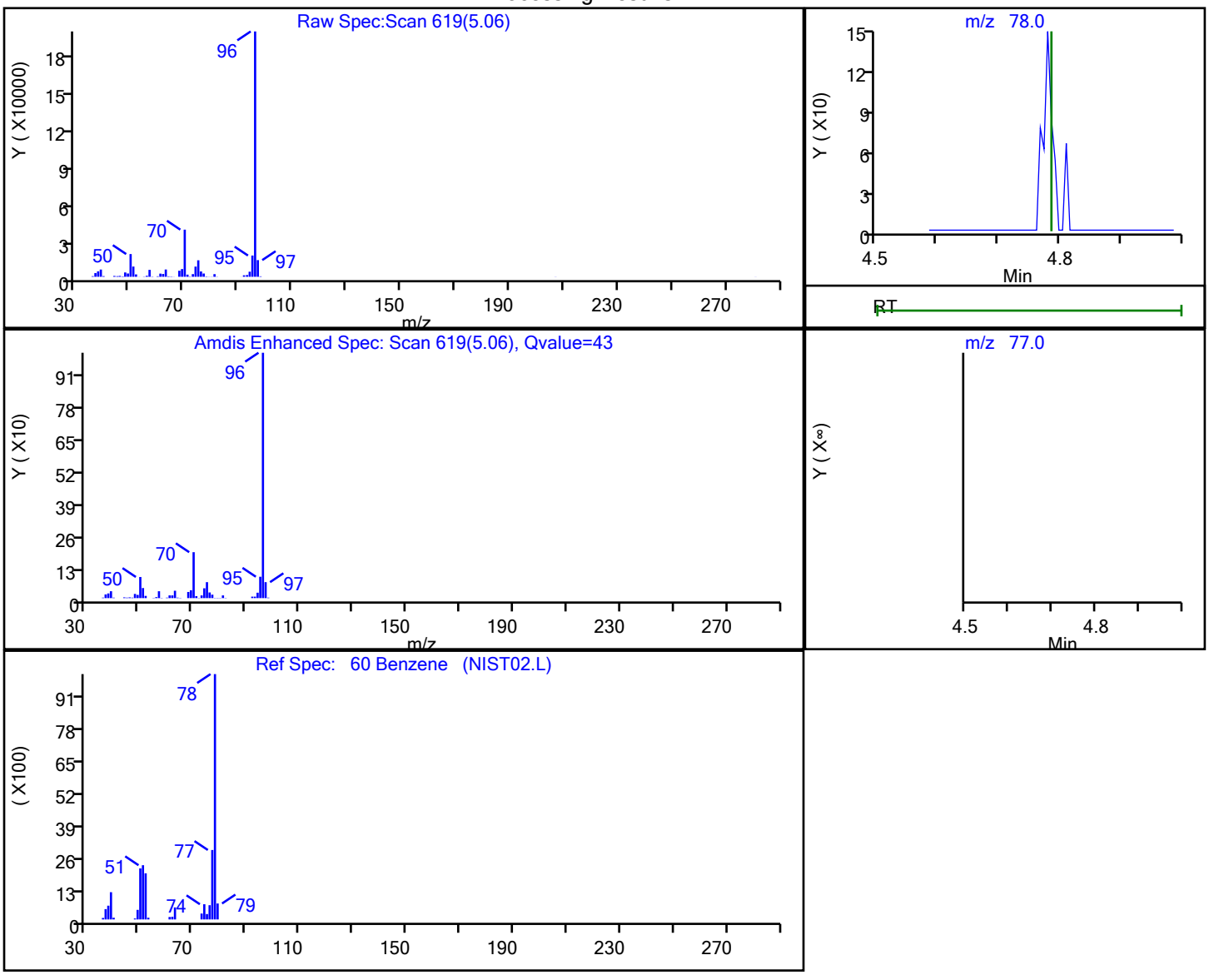
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

60 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
5.06	78.00	586	0.072031
5.07	77.00	6455	

Reviewer: FK2C, 22-Feb-2024 09:07:53 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

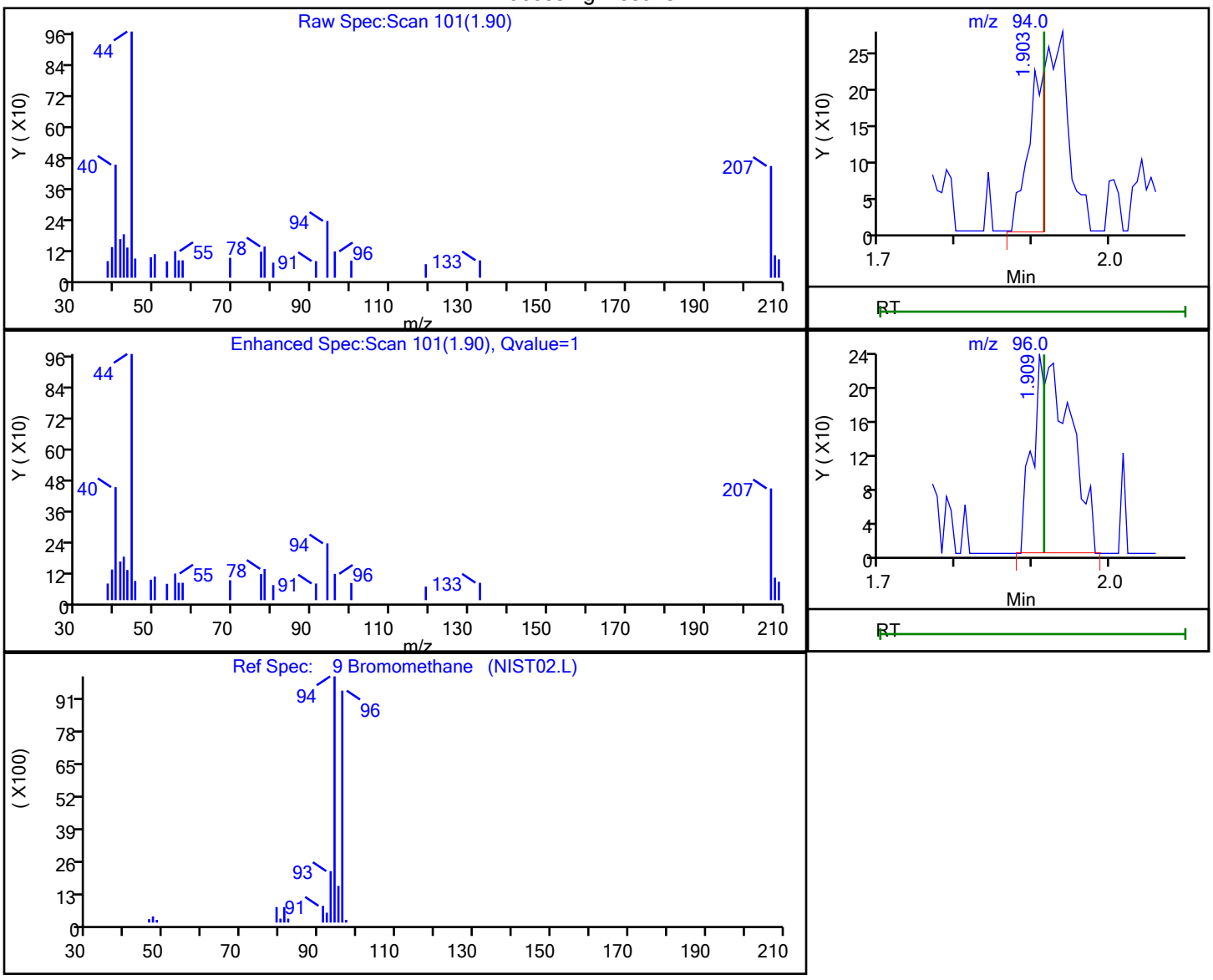
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.90	94.00	349	0.181278
1.91	96.00	810	

Reviewer: FK2C, 22-Feb-2024 09:07:44 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

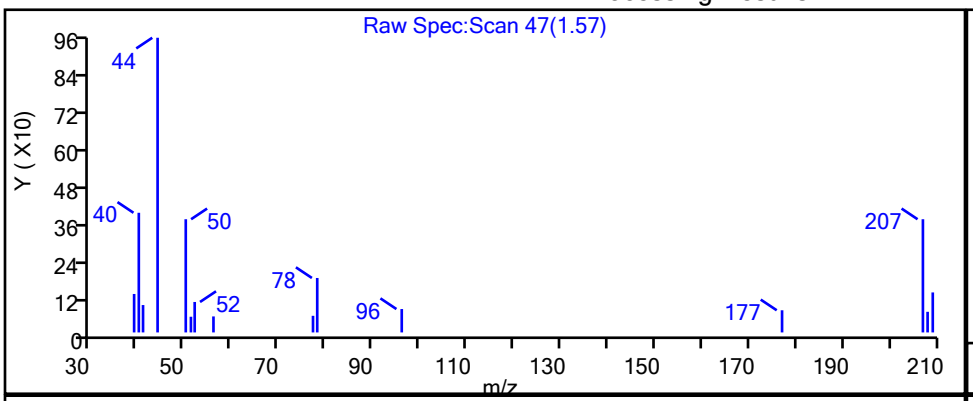
User Disabled Compound Report

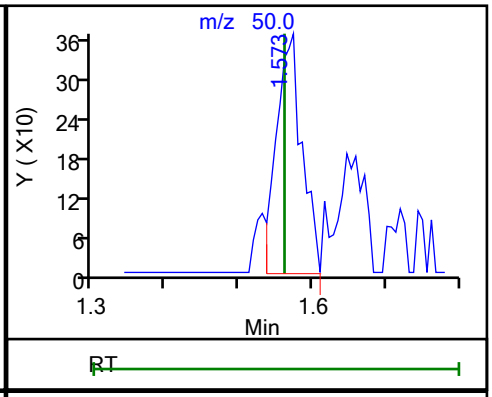
Eurofins Edison

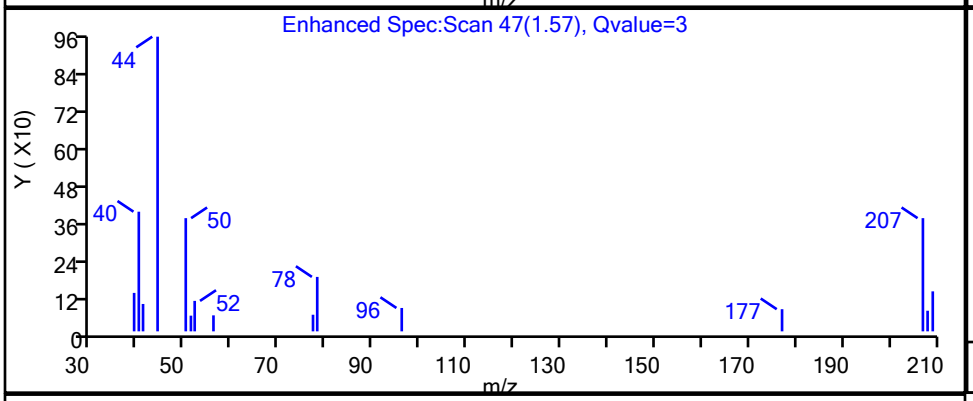
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

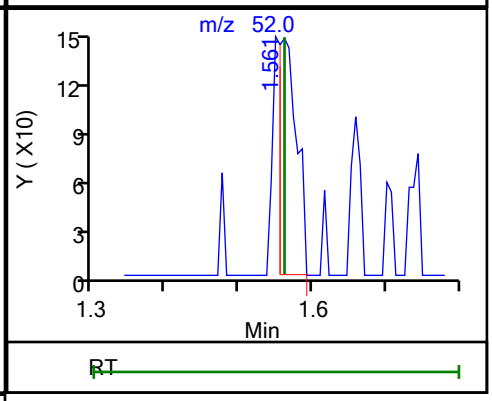
6 Chloromethane, CAS: 74-87-3

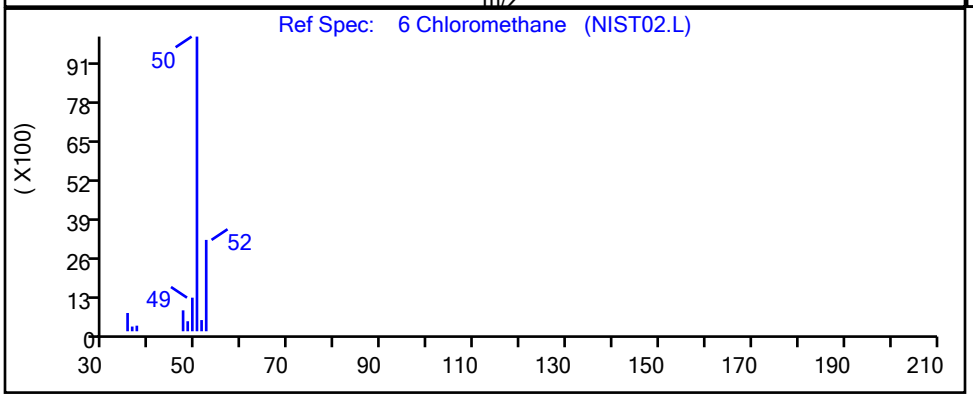
Processing Results











RT	Mass	Response	Amount
1.57	50.00	889	0.292862
1.56	52.00	252	

Reviewer: FK2C, 22-Feb-2024 09:07:41 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

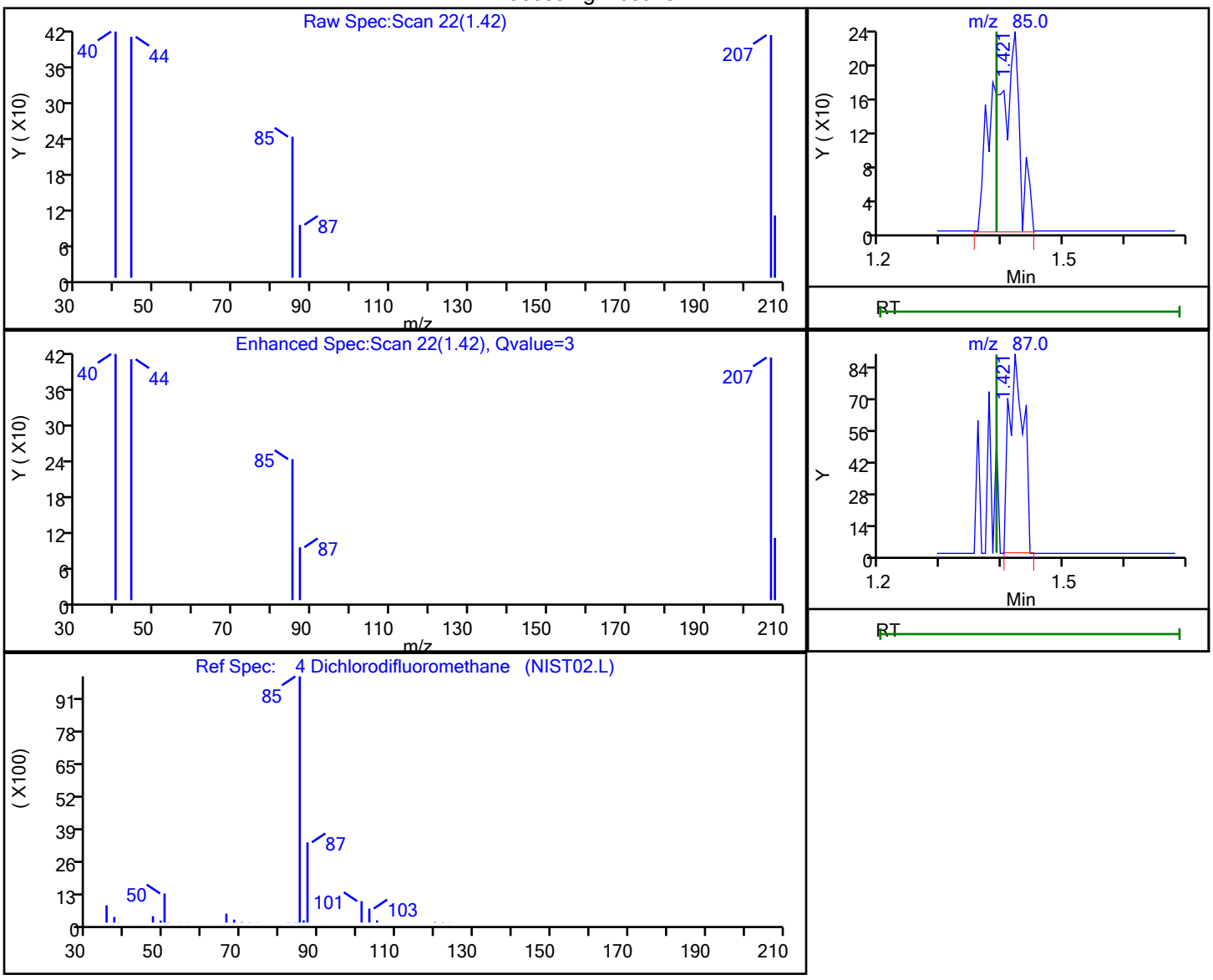
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.42	85.00	664	0.260890
1.42	87.00	147	

Reviewer: FK2C, 22-Feb-2024 09:07:40 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

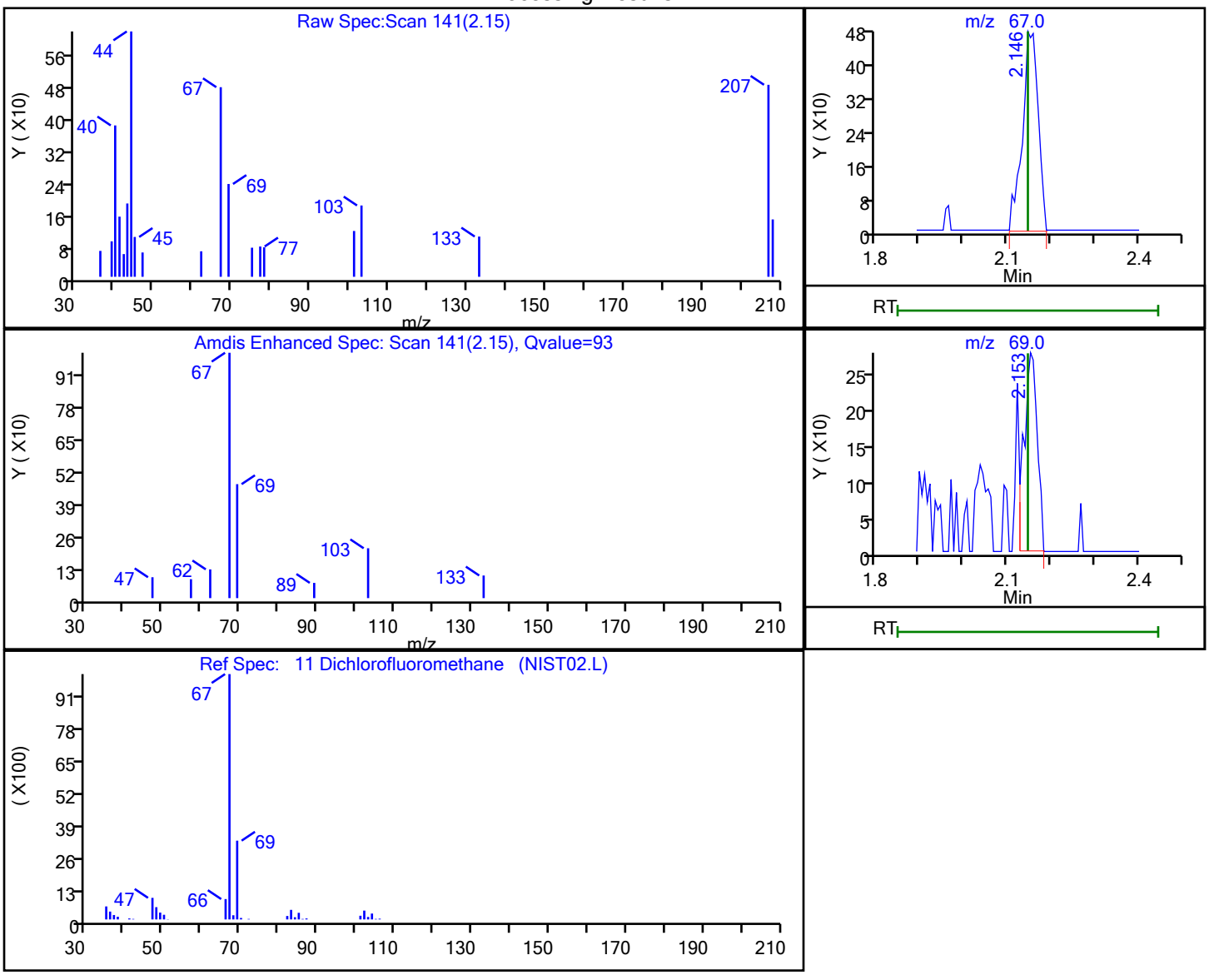
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.15	67.00	1201	0.273964
2.15	69.00	575	

Reviewer: FK2C, 22-Feb-2024 09:07:44 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

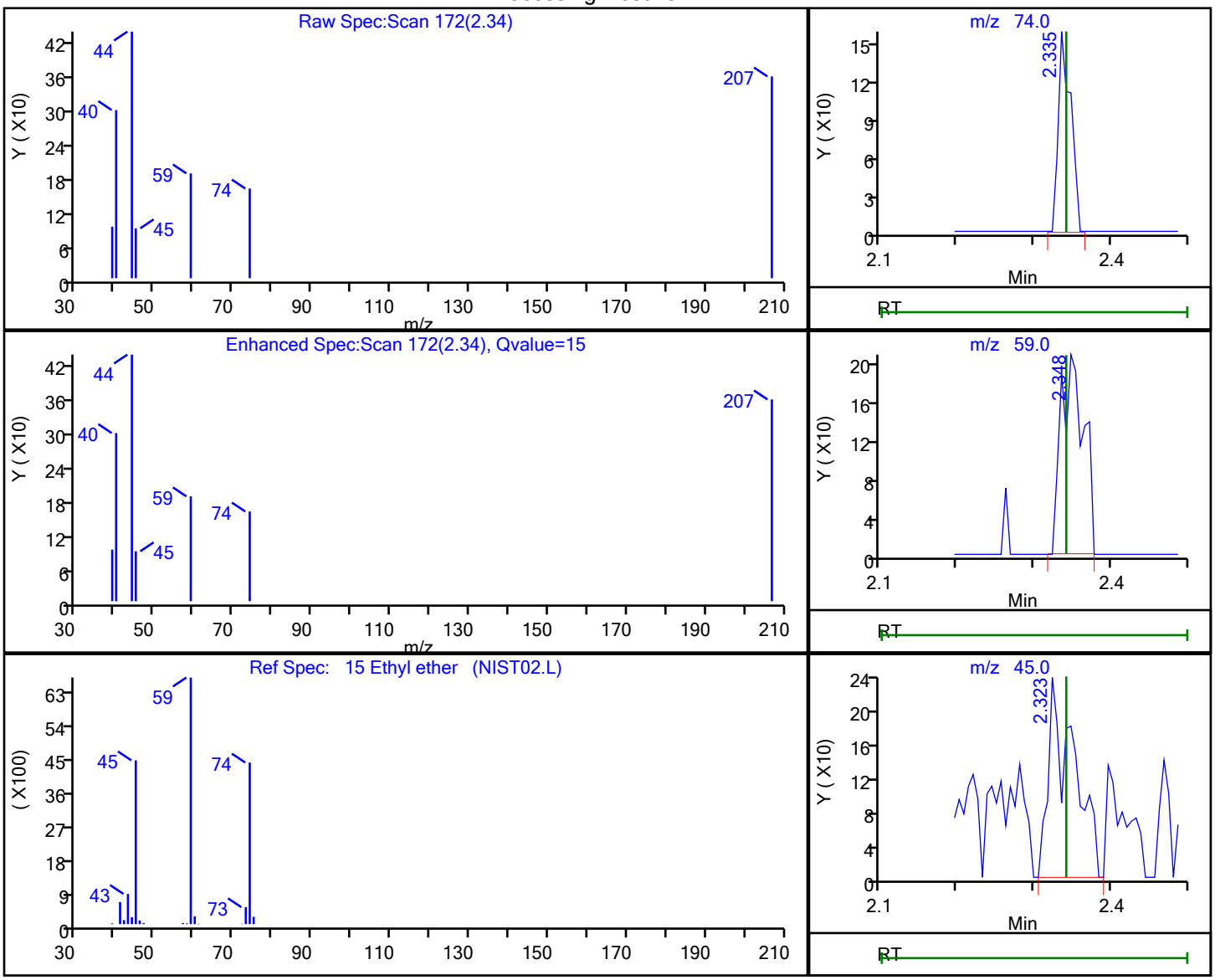
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.34	74.00	181	0.125545
2.35	59.00	431	
2.32	45.00	555	

Reviewer: FK2C, 22-Feb-2024 09:07:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

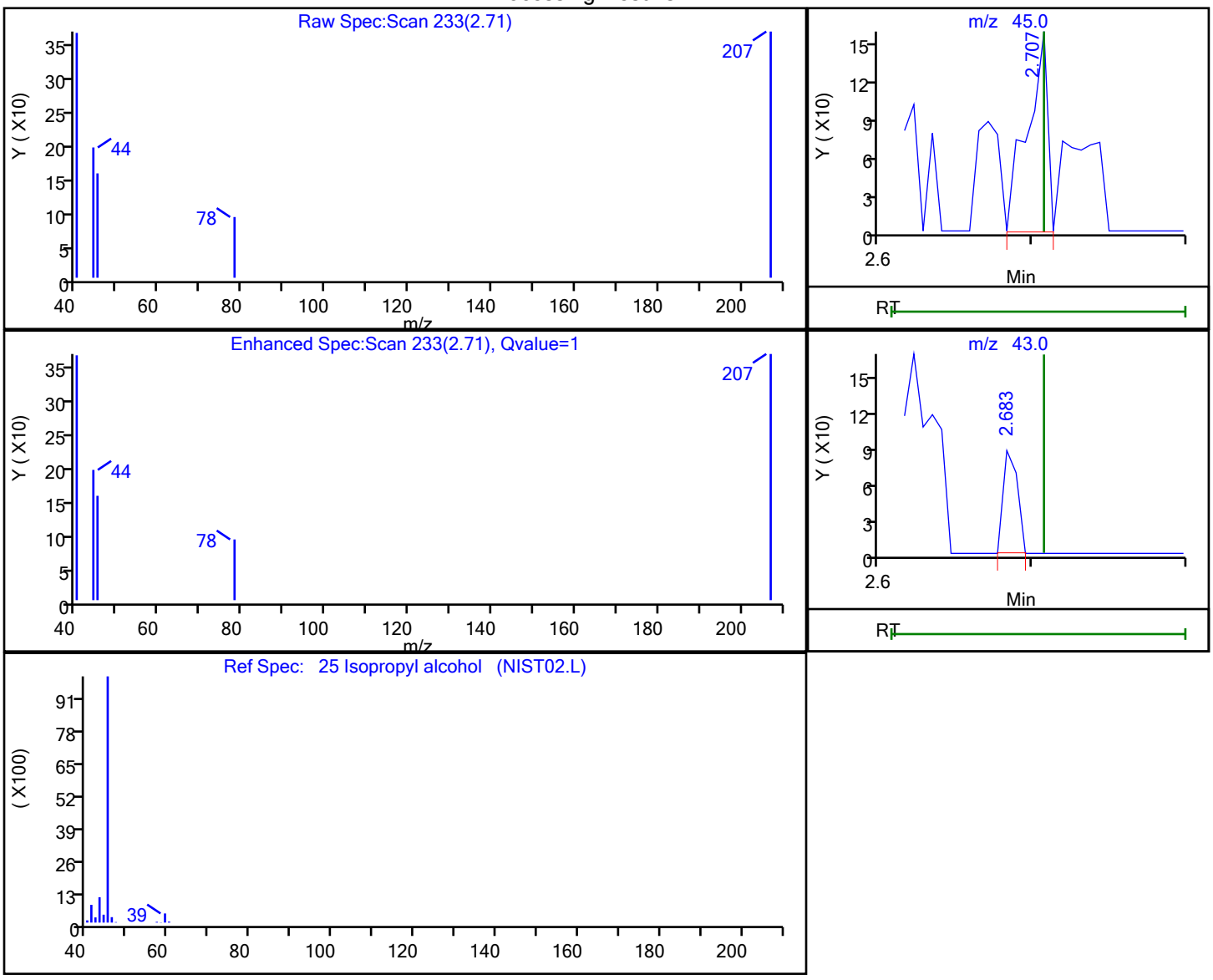
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Processing Results



RT	Mass	Response	Amount
2.71	45.00	140	1.629343
2.68	43.00	54	

Reviewer: FK2C, 22-Feb-2024 09:07:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

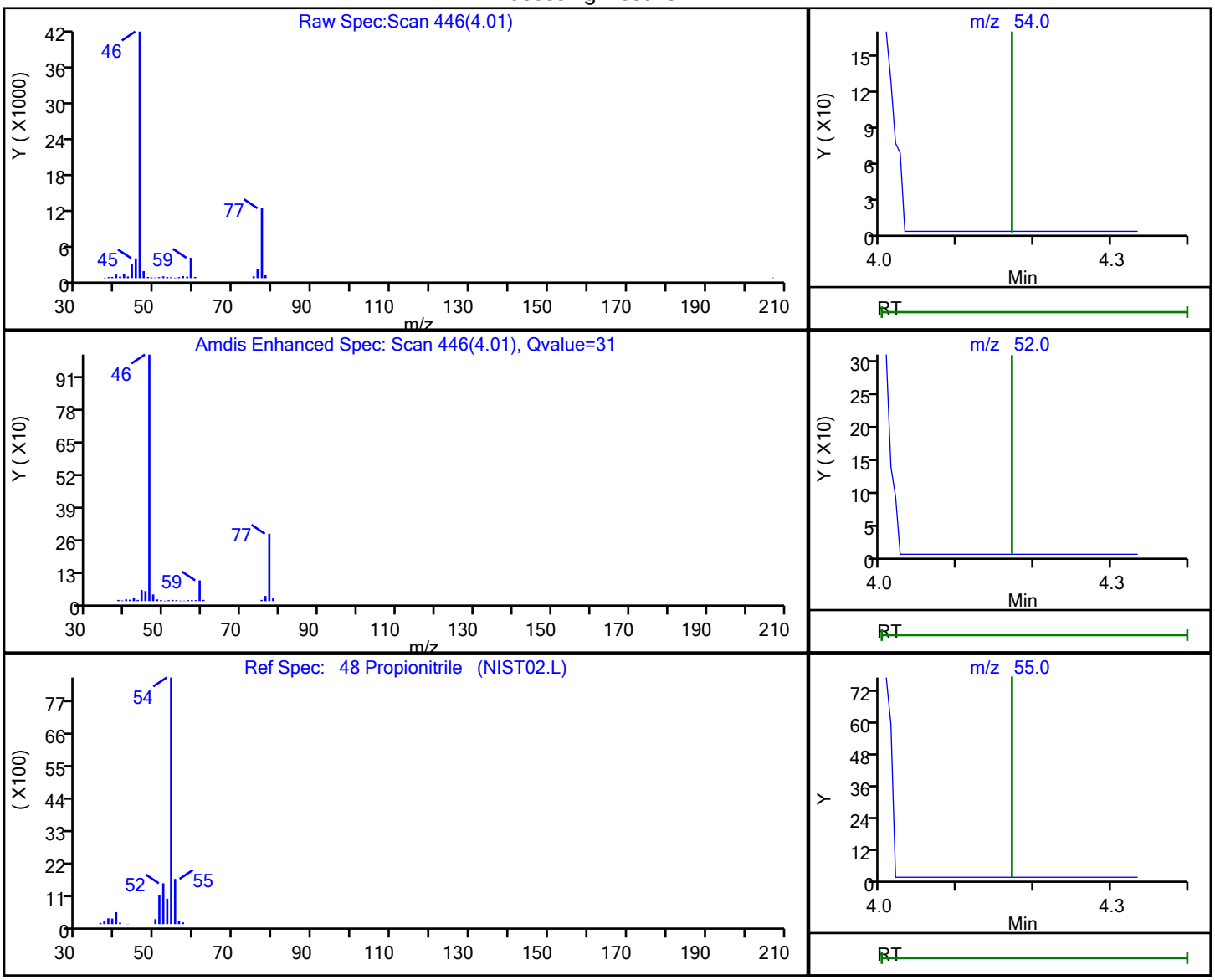
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.01	54.00	364	1.595152
3.99	52.00	766	
4.00	55.00	243	

Reviewer: FK2C, 22-Feb-2024 09:07:51 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

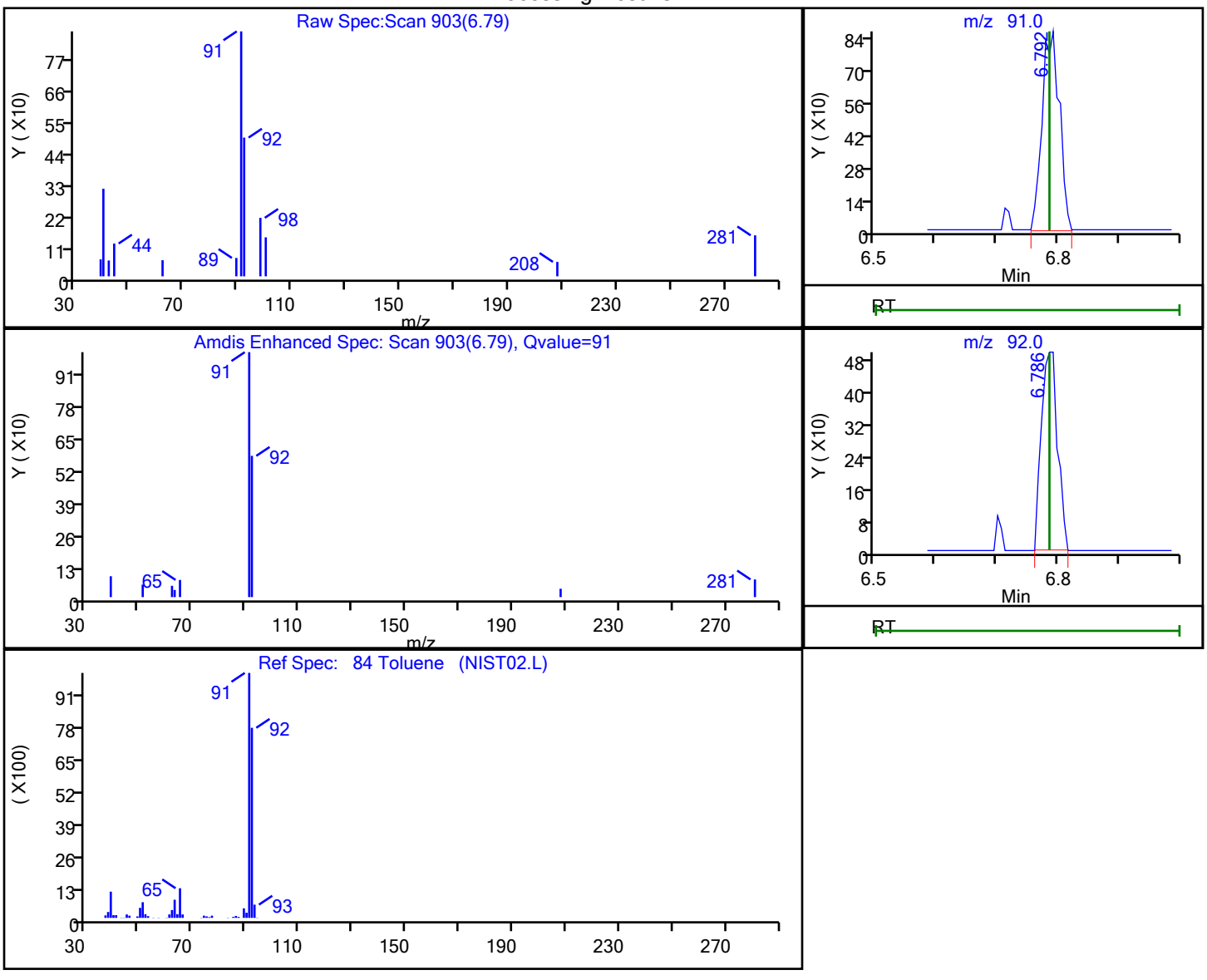
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

84 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.79	91.00	1712	0.184347
6.79	92.00	913	

Reviewer: FK2C, 22-Feb-2024 09:08:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

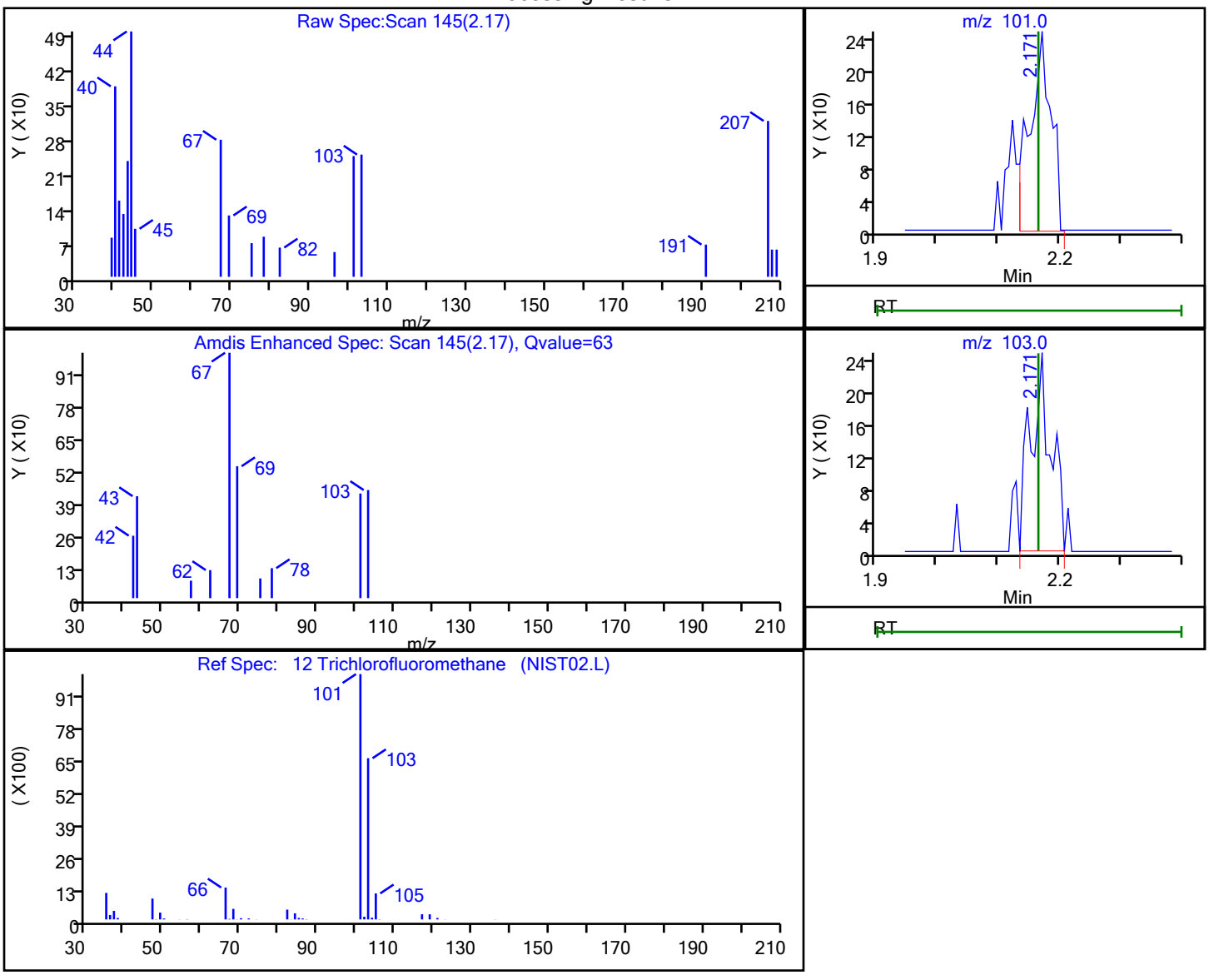
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.17	101.00	584	0.216585
2.17	103.00	572	

Reviewer: FK2C, 22-Feb-2024 09:07:45 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

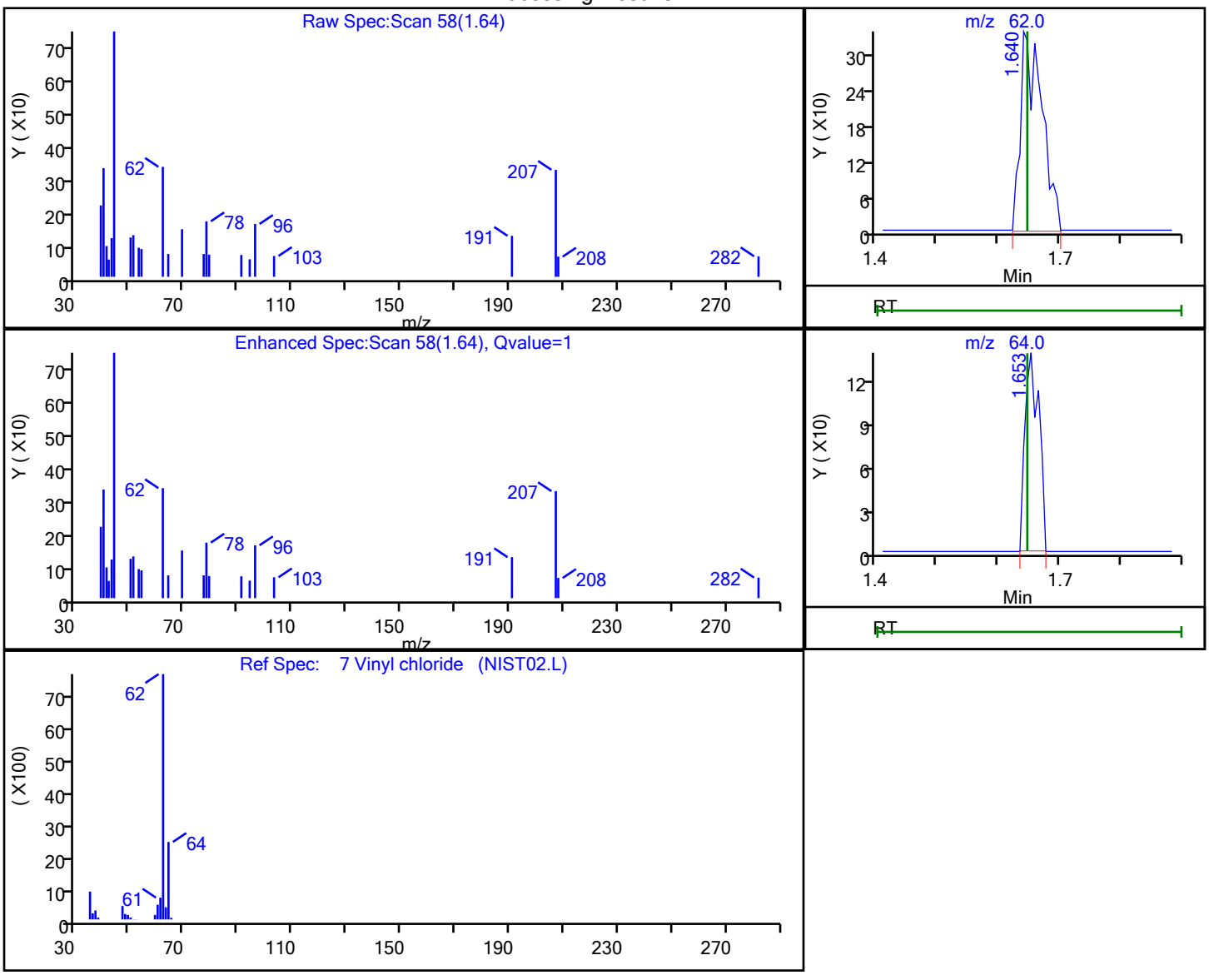
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.64	62.00	813	0.298445
1.65	64.00	210	

Reviewer: FK2C, 22-Feb-2024 09:07:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Feb-2024 07:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0172593-004
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:27:47 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 08:57:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	1	278	0.5000	0.3542	a
2 1,1-Difluoroethane	65	1.378	1.372	0.006	35	517	0.5000	0.4826	
4 Dichlorodifluoromethane	85	1.384	1.390	-0.006	4	866	0.5000	0.3178	a
5 Chlorodifluoromethane	67	1.415	1.409	0.006	40	140	0.5000	0.3768	
6 Chloromethane	50	1.567	1.561	0.006	95	1743	0.5000	0.6009	
7 Vinyl chloride	62	1.646	1.647	-0.001	93	1365	0.5000	0.5079	
8 Butadiene	54	1.653	1.659	-0.006	91	952	0.5000	0.4108	
9 Bromomethane	94	1.921	1.915	0.006	79	1083	0.5000	0.5361	
10 Chloroethane	64	1.970	1.970	0.000	21	806	0.5000	0.5275	
11 Dichlorofluoromethane	67	2.152	2.146	0.006	74	2203	0.5000	0.4873	
13 Pentane	72	2.177	2.165	0.012	96	215	1.00	1.01	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	57	1031	0.5000	0.3401	
15 Ethyl ether	74	2.348	2.342	0.006	78	951	0.5000	0.6867	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	90	630	0.5000	0.4098	a
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.402	0.006	70	1033	0.5000	0.4816	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	7	1512	0.5000	0.4633	
19 Acrolein	56	2.506	2.506	0.000	41	755	2.00	2.02	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.518	2.524	-0.006	67	881	0.5000	0.4483	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	92	1109	0.5000	0.5371	
22 Acetone	43	2.622	2.616	0.006	87	1926	2.50	3.97	M
23 Iodomethane	142	2.695	2.689	0.006	98	1940	0.5000	0.4876	
24 Carbon disulfide	76	2.719	2.719	0.000	98	3446	0.5000	0.4644	
26 3-Chloro-1-propene	76	2.829	2.841	-0.012	91	549	0.5000	0.4148	a
27 Methyl acetate	43	2.854	2.848	0.006	76	1406	1.00	1.04	
28 Cyclopentene	67	2.866	2.860	0.006	62	1834	0.5000	0.4604	
29 Acetonitrile	41	2.908	2.896	0.012	39	1173	5.00	4.88	Ma
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	25769	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.969	-0.006	30	1117	0.5000	0.4656	
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	1	706	5.00	5.09	Ma
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	65	3304	0.5000	0.5246	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	85	1380	0.5000	0.6016	M
35 Acrylonitrile	53	3.219	3.207	0.012	94	3570	5.00	4.86	
36 Hexane	57	3.286	3.293	-0.007	91	984	0.5000	0.3948	
37 Isopropyl ether	45	3.500	3.500	0.000	84	3387	0.5000	0.5126	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	61	1735	0.5000	0.4764	
39 Vinyl acetate	86	3.542	3.543	0.000	99	354	1.00	0.8956	
40 2-Chloro-1,3-butadiene	88	3.561	3.567	-0.006	26	790	0.5000	0.4485	M
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	2903	0.5000	0.4624	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	177045	250.0	250.0	
43 2,2-Dichloropropane	97	4.024	4.012	0.012	30	260	0.5000	0.3456	a
44 cis-1,2-Dichloroethene	96	4.024	4.030	-0.006	85	1263	0.5000	0.5094	
45 2-Butanone (MEK)	72	4.055	4.042	0.012	95	459	2.50	2.37	
46 Ethyl acetate	70	4.055	4.049	0.006	92	210	1.00	1.02	
47 Methyl acrylate	55	4.103	4.097	0.006	1	808	0.5000	0.4970	a
48 Propionitrile	54	4.183	4.170	0.013	55	1256	5.00	5.18	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	34	114	1.00	0.9375	
49 Chlorobromomethane	128	4.256	4.250	0.006	39	571	0.5000	0.4589	
51 Methacrylonitrile	67	4.274	4.274	0.000	88	3948	5.00	4.90	
52 Chloroform	83	4.304	4.298	0.006	95	1679	0.5000	0.4705	
53 Cyclohexane	84	4.432	4.439	-0.007	62	1078	0.5000	0.3949	
54 1,1,1-Trichloroethane	97	4.457	4.451	0.006	42	1415	0.5000	0.4644	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	113318	50.0	49.3	
56 Carbon tetrachloride	117	4.561	4.561	-0.001	85	1130	0.5000	0.4299	
57 1,1-Dichloropropene	75	4.585	4.591	-0.006	90	1248	0.5000	0.4779	
58 Isobutyl alcohol	43	4.725	4.707	0.018	20	551	12.5	10.5	a
59 Isooctane	57	4.756	4.756	0.000	75	2701	0.5000	0.4046	
60 Benzene	78	4.780	4.786	-0.006	92	4421	0.5000	0.5418	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	110870	50.0	48.9	
63 Isopropyl acetate	61	4.847	4.841	0.006	88	307	0.5000	0.3060	Ma
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	77	3027	0.5000	0.4775	
64 1,2-Dichloroethane	62	4.878	4.872	0.006	96	1213	0.5000	0.5035	
65 n-Heptane	100	4.938	4.932	0.006	91	166	0.5000	0.5197	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	444387	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	1	264	12.5	8.60	a
68 Trichloroethene	95	5.408	5.408	0.000	93	1086	0.5000	0.5109	
69 Methylcyclohexane	83	5.536	5.536	0.000	78	1274	0.5000	0.4004	
70 Ethyl acrylate	99	5.530	5.536	-0.006	93	80	0.5000	0.2820	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	85	1010	0.5000	0.4825	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20113	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	80	351	1.00	0.6984	
74 Dibromomethane	93	5.816	5.823	-0.007	89	627	0.5000	0.4917	
76 n-Propyl acetate	43	5.829	5.829	0.000	96	1019	0.5000	0.4390	
77 Dichlorobromomethane	83	5.975	5.969	0.006	92	1307	0.5000	0.4999	
78 2-Nitropropane	41	6.310	6.310	0.000	77	766	1.00	1.08	
79 2-Chloroethyl vinyl ether	63	6.316	6.310	0.006	72	557	0.5012	0.4537	
80 Epichlorohydrin	57	6.414	6.408	0.006	97	1810	10.0	11.3	
81 cis-1,3-Dichloropropene	75	6.463	6.469	-0.006	89	1379	0.5000	0.4386	
82 4-Methyl-2-pentanone (MIBK)	58	6.639	6.633	0.006	95	1628	2.50	2.37	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	424720	50.0	50.5	
84 Toluene	91	6.792	6.786	0.006	93	5687	0.5000	0.6286	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	95	1222	0.5000	0.4497	
86 Ethyl methacrylate	69	7.164	7.170	-0.006	79	1069	0.5000	0.4649	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	90	853	0.5000	0.5531	
88 Tetrachloroethene	166	7.389	7.389	0.000	91	1182	0.5000	0.5315	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	90	1262	0.5000	0.4464	
90 2-Hexanone	43	7.627	7.621	0.006	96	1958	2.50	2.13	
91 n-Butyl acetate	43	7.743	7.737	0.006	96	1212	0.5000	0.4772	
92 Chlorodibromomethane	129	7.779	7.779	0.000	92	909	0.5000	0.4535	
93 Ethylene Dibromide	107	7.932	7.932	0.000	97	917	0.5000	0.5101	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	83	332064	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	88	3094	0.5000	0.5388	
96 Ethylbenzene	106	8.621	8.621	0.000	97	1575	0.5000	0.5221	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	85	971	0.5000	0.4601	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	1855	0.5000	0.5029	
100 n-Butyl acrylate	73	9.291	9.291	0.000	57	642	0.5000	0.4435	
99 o-Xylene	106	9.291	9.297	-0.006	94	1813	0.5000	0.4814	
101 Styrene	104	9.328	9.328	0.000	96	2645	0.5000	0.4686	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	90	1385	0.5000	0.4398	
102 Bromoform	173	9.572	9.566	0.006	71	741	0.5000	0.5204	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	4329	0.5000	0.4692	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	139700	50.0	50.6	
106 Bromobenzene	156	10.084	10.084	0.000	94	1121	0.5000	0.4342	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	93	1111	0.5000	0.4692	
108 N-Propylbenzene	91	10.175	10.169	0.006	99	5711	0.5000	0.5101	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	90	312	0.5000	0.4735	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	22	206	0.5000	0.3823	
111 2-Chlorotoluene	91	10.279	10.279	0.000	96	3874	0.5000	0.5047	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	4762	0.5000	0.5007	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	92	3605	0.5000	0.4563	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	3632	0.5000	0.5147	
115 Butyl Methacrylate	87	10.486	10.486	0.000	84	900	0.5000	0.2899	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	3255	0.5000	0.4684	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	3958	0.5000	0.4737	
118 sec-Butylbenzene	105	10.882	10.889	-0.007	98	5242	0.5000	0.4979	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	99	2570	0.5000	0.5140	
120 4-Isopropyltoluene	119	11.023	11.029	-0.006	96	4178	0.5000	0.4622	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	192863	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	88	2451	0.5000	0.4858	a
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	97	4492	0.5000	0.4951	
124 Benzyl chloride	91	11.242	11.248	-0.006	97	2399	0.5000	0.5176	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	4498	0.5000	0.5161	
126 p-Diethylbenzene	119	11.376	11.370	0.006	93	2886	0.5000	0.4830	
127 n-Butylbenzene	92	11.395	11.395	0.000	96	2352	0.5000	0.4918	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	97	2550	0.5000	0.5076	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	97	4825	0.5000	0.5199	
130 1,2-Dibromo-3-Chloropropane	157	12.126	12.120	0.006	1	327	0.5000	0.5549	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	93	2334	0.5000	0.5238	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	93	2235	0.5000	0.5255	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	89	792	0.5000	0.4479	
134 Naphthalene	128	12.925	12.925	0.000	99	4939	0.5000	0.5073	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	2144	0.5000	0.5124	
S 136 1,2-Dichloroethene, Total	100				0		1.00	1.11	
S 137 Xylenes, Total	100				0		1.00	0.9843	
S 139 1,3-Dichloropropene, Total	1				0		1.00	0.8882	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 140 Total BTEX	1				0		2.50	2.68	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added:	5.00	Units: uL	
ACROLEIN W_00165	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	5.00	Units: uL	
14DIOXINTER_00166	Amount Added:	15.00	Units: uL	
GASES Li_00572	Amount Added:	5.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:27:48 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D

Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17

Lims ID: STD05

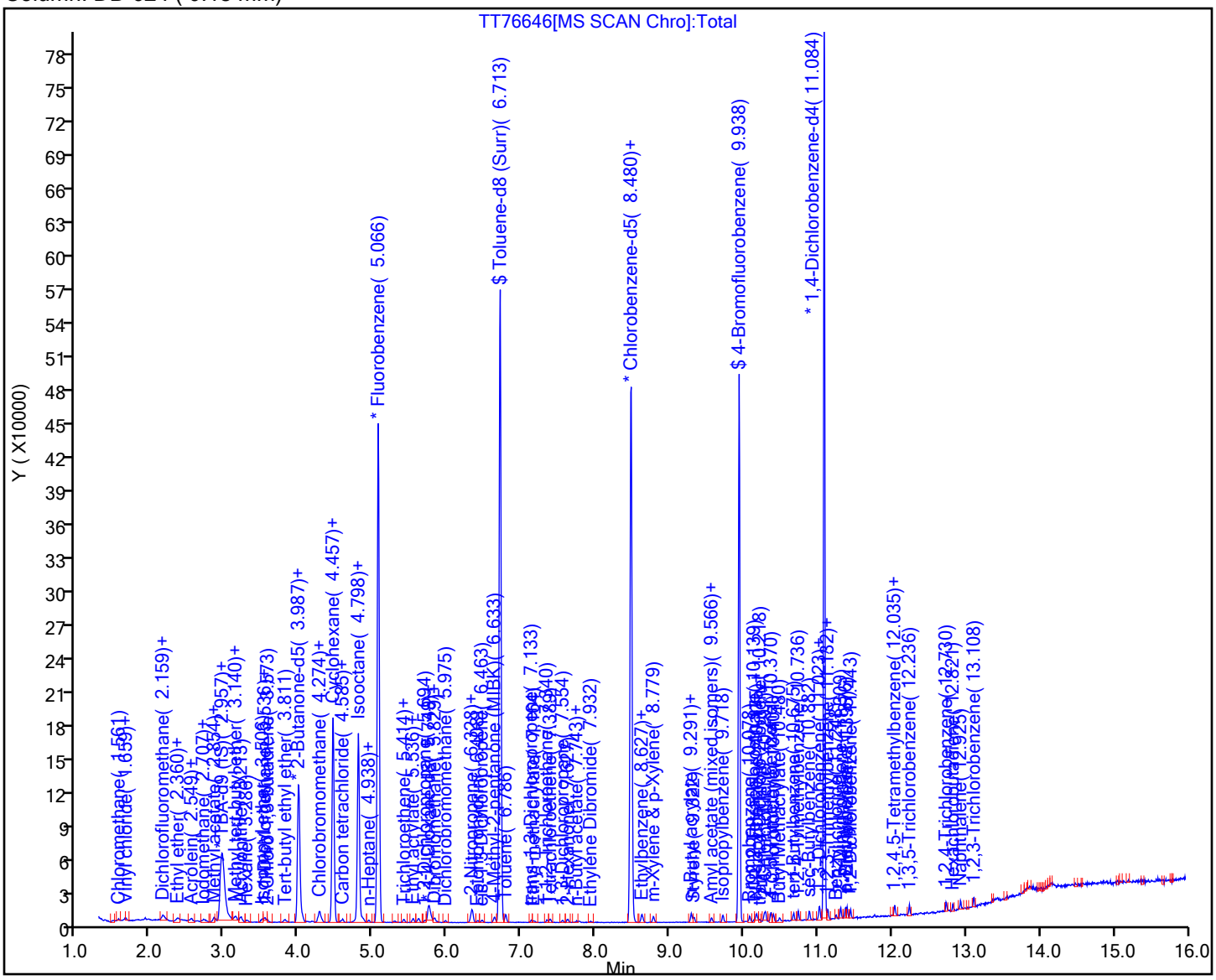
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

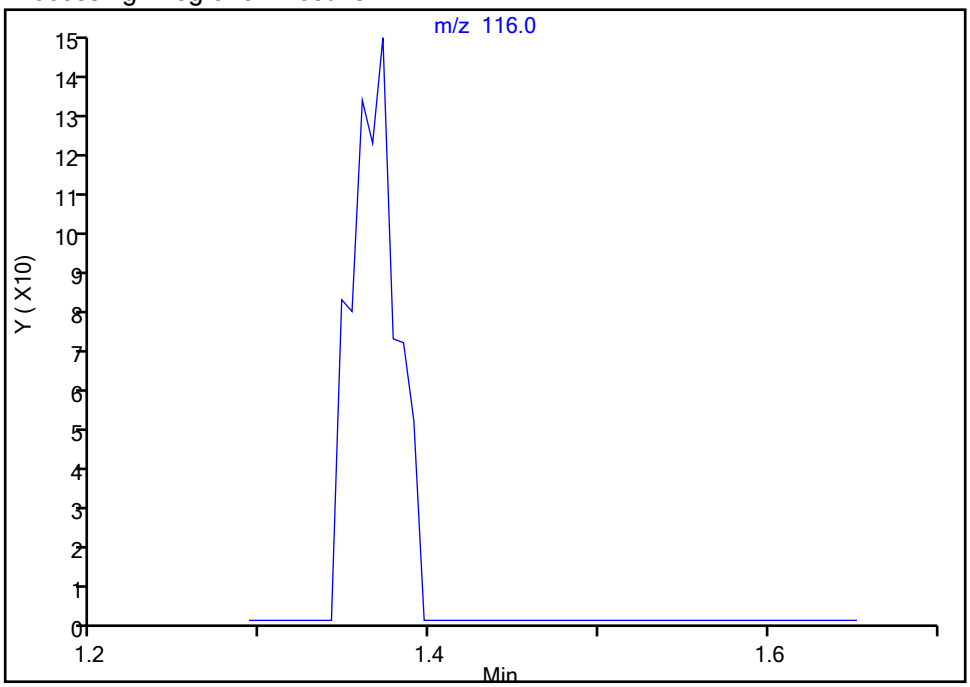
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

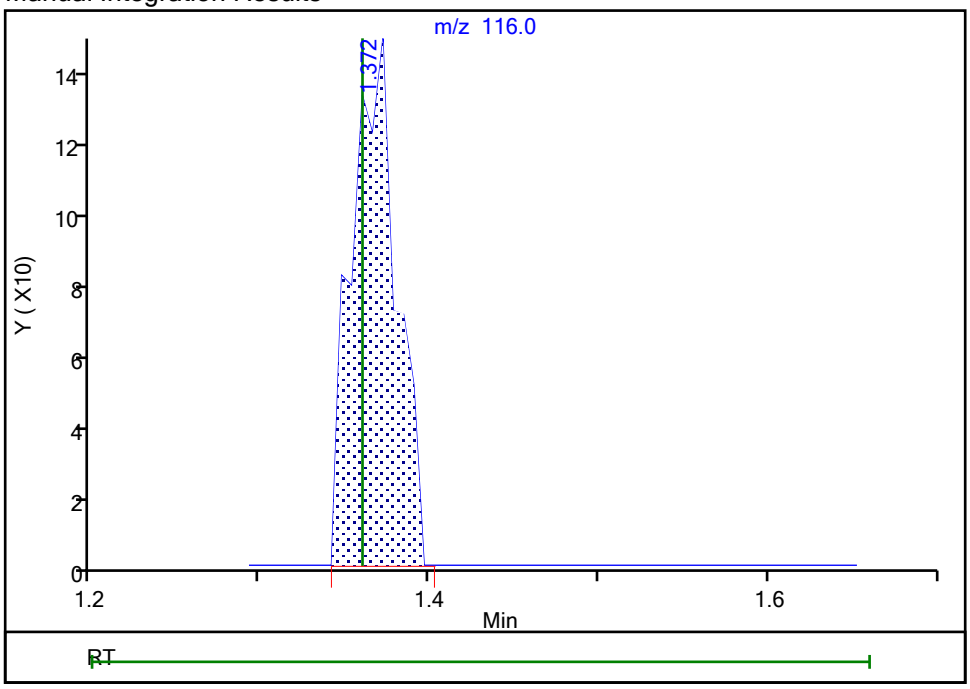
Not Detected
Expected RT: 1.36

Processing Integration Results



Manual Integration Results

RT: 1.37
Area: 278
Amount: 0.354176
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

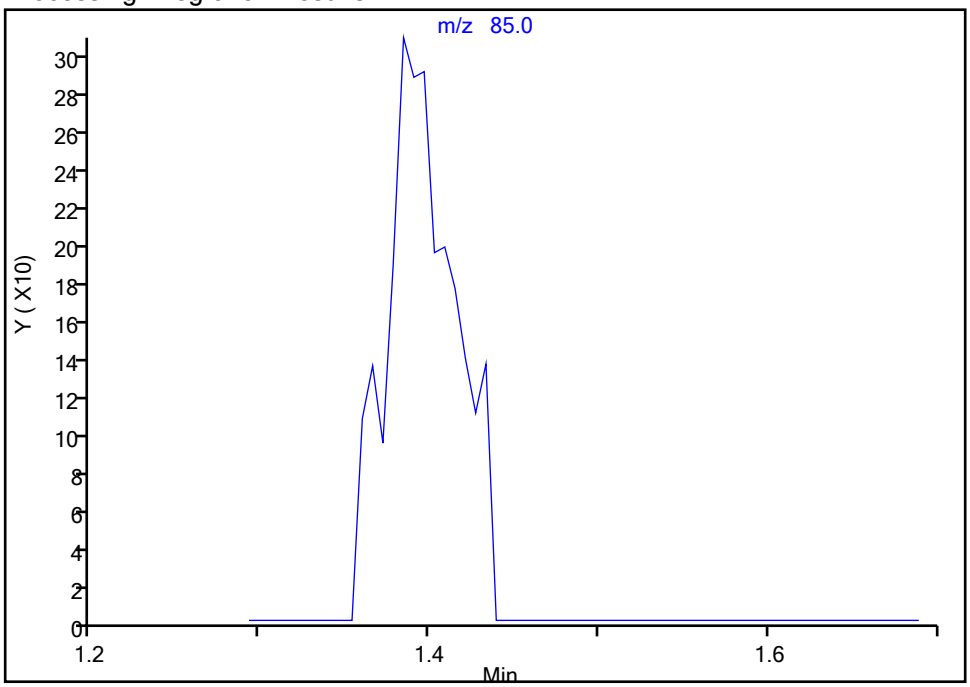
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

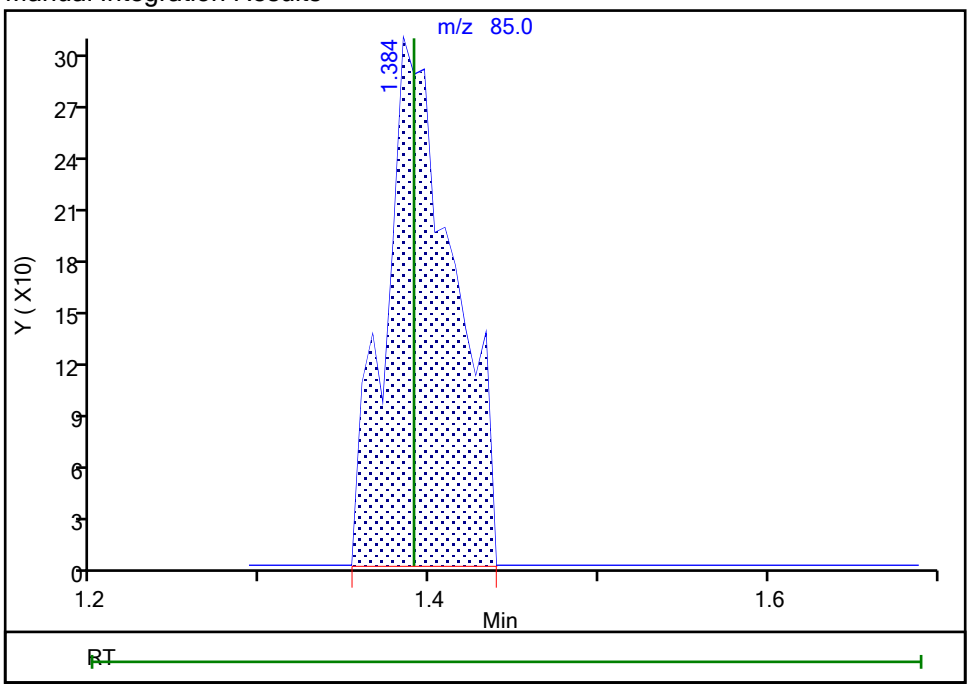
Not Detected
Expected RT: 1.39

Processing Integration Results



Manual Integration Results

RT: 1.38
Area: 866
Amount: 0.317780
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:34 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

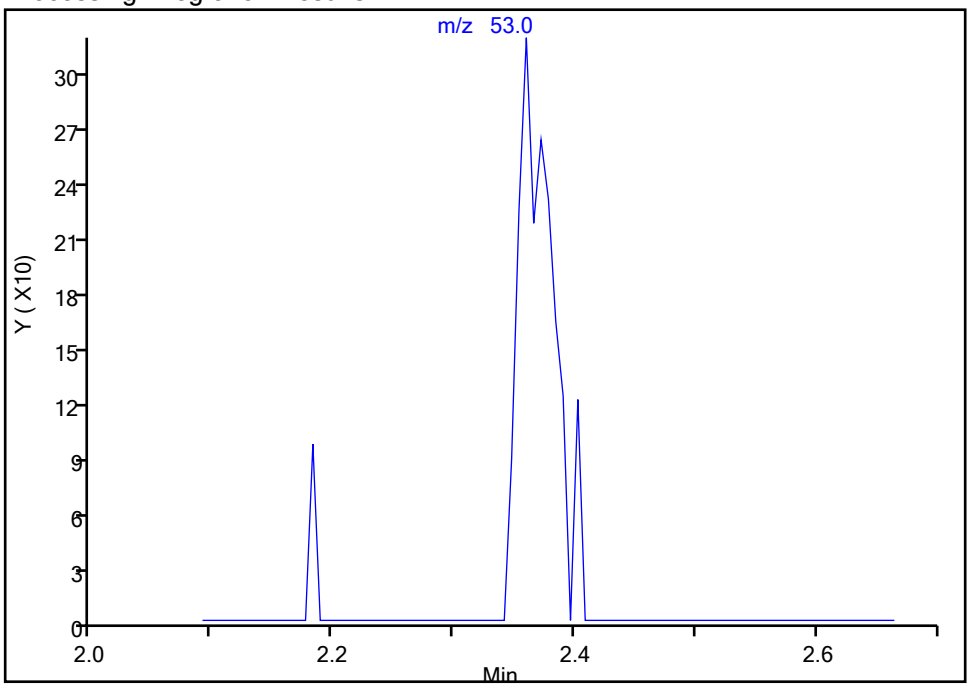
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

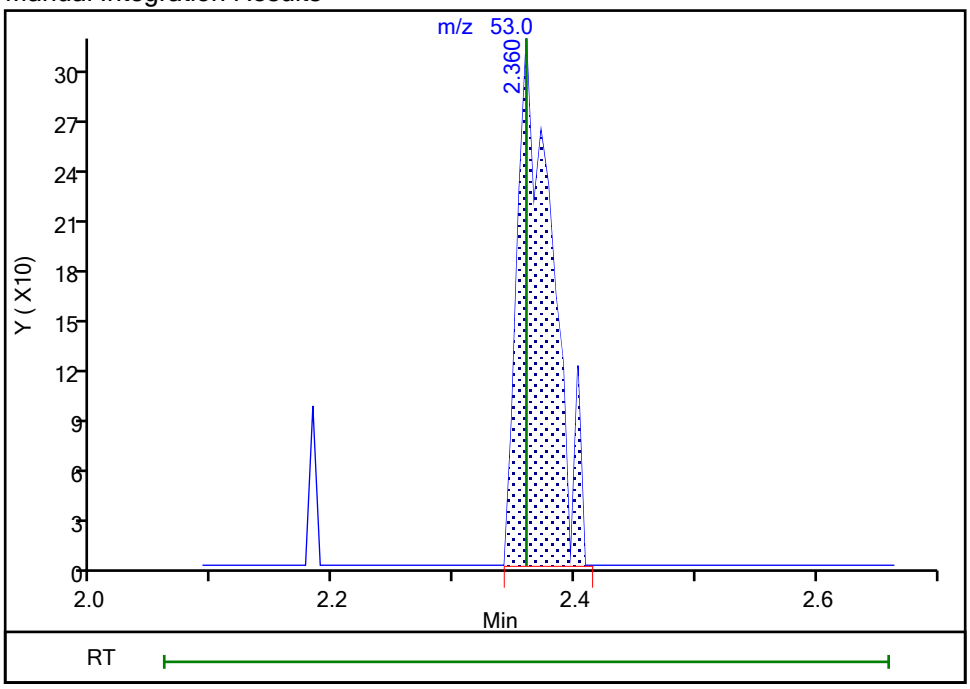
Not Detected
Expected RT: 2.36

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 630
Amount: 0.409834
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:49 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

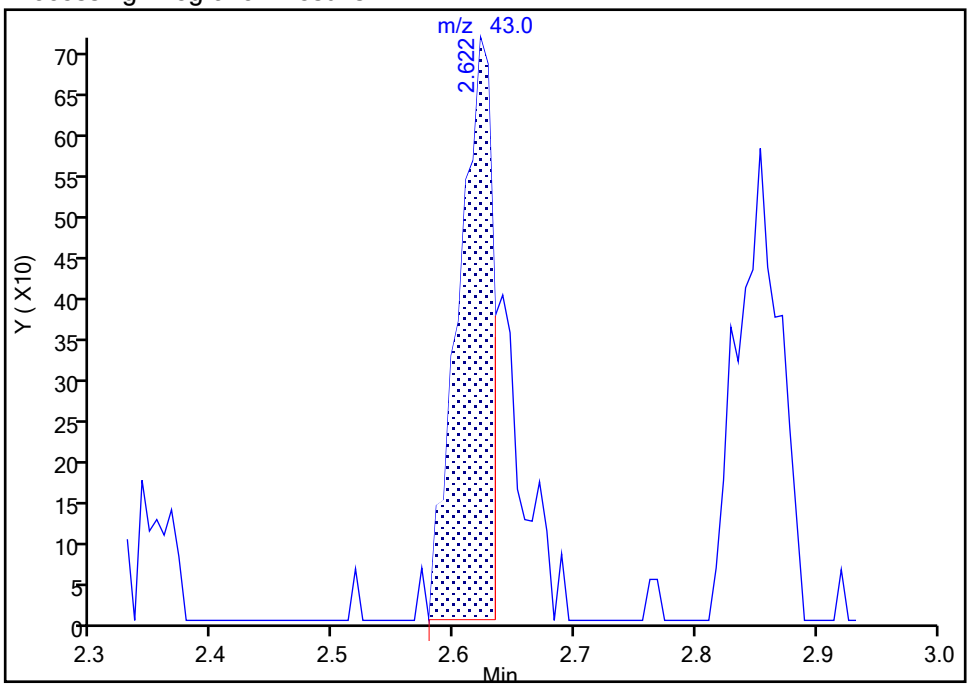
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

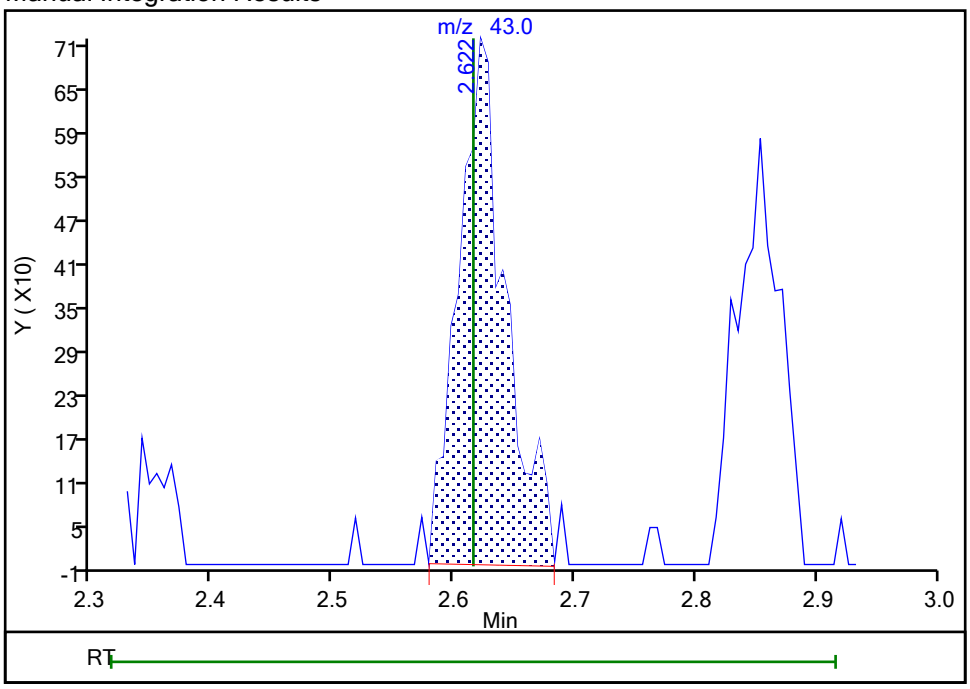
Processing Integration Results

RT: 2.62
Area: 1403
Amount: 2.926213
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 1926
Amount: 3.970178
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:03 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

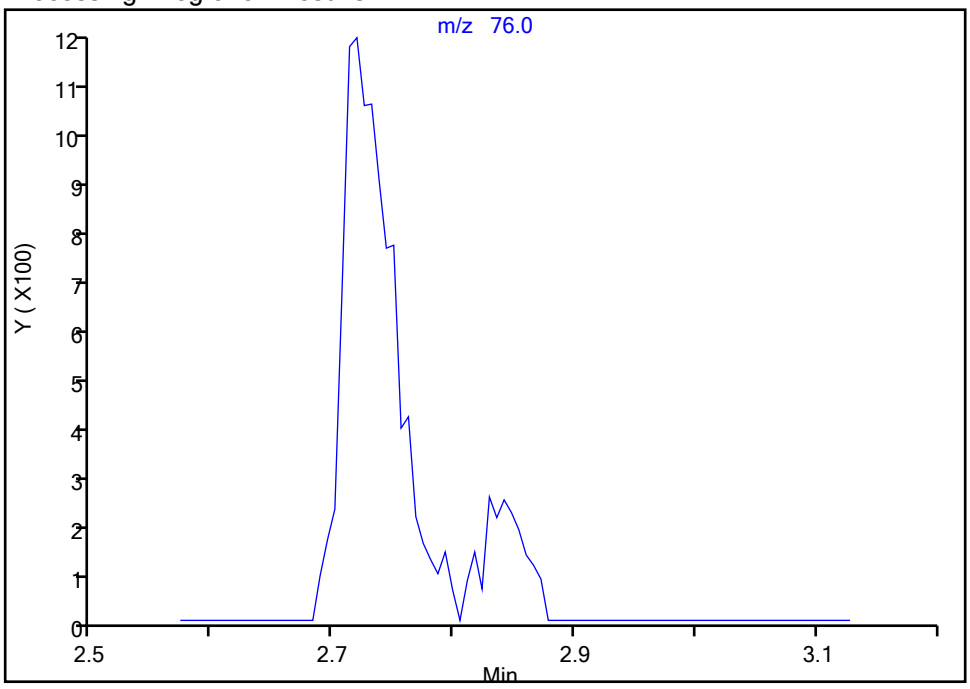
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

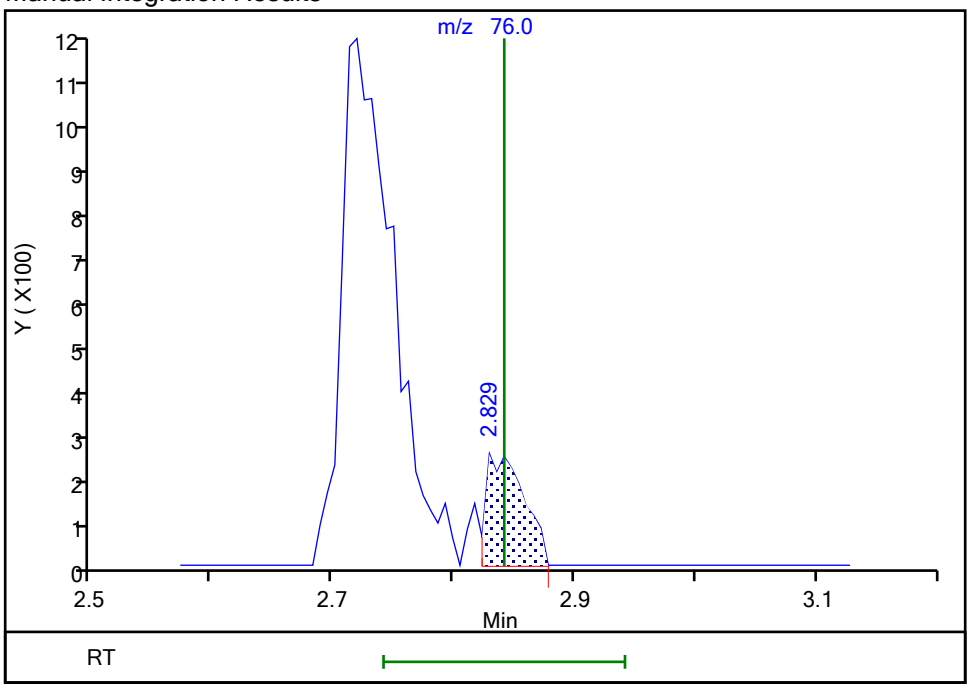
Not Detected
Expected RT: 2.84

Processing Integration Results



Manual Integration Results

RT: 2.83
Area: 549
Amount: 0.414782
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:15 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

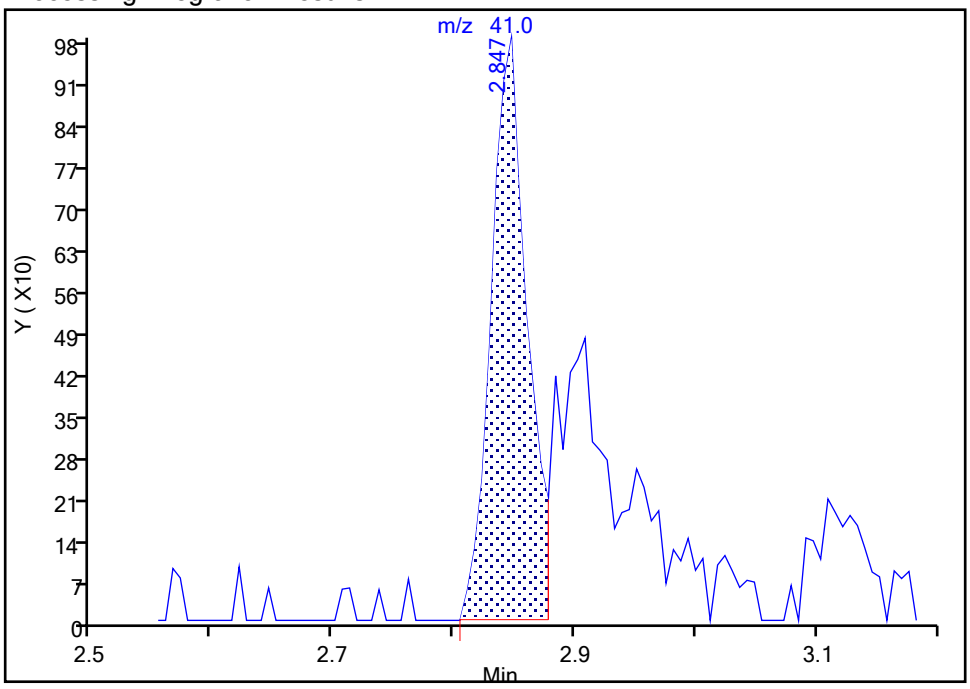
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

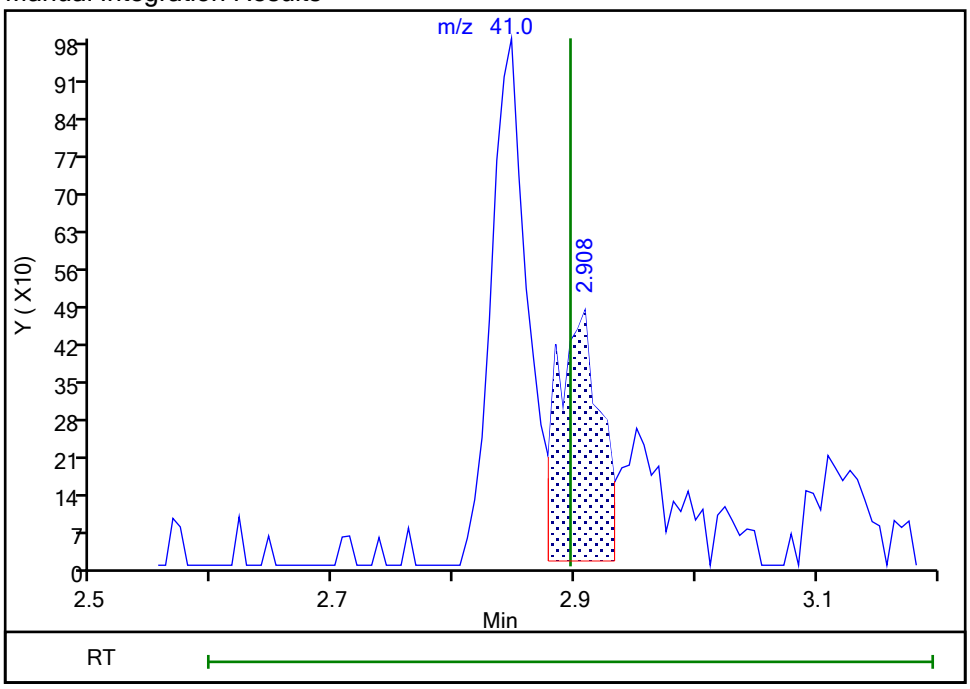
Processing Integration Results

RT: 2.85
Area: 2067
Amount: 8.429687
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 1173
Amount: 4.876069
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:49 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

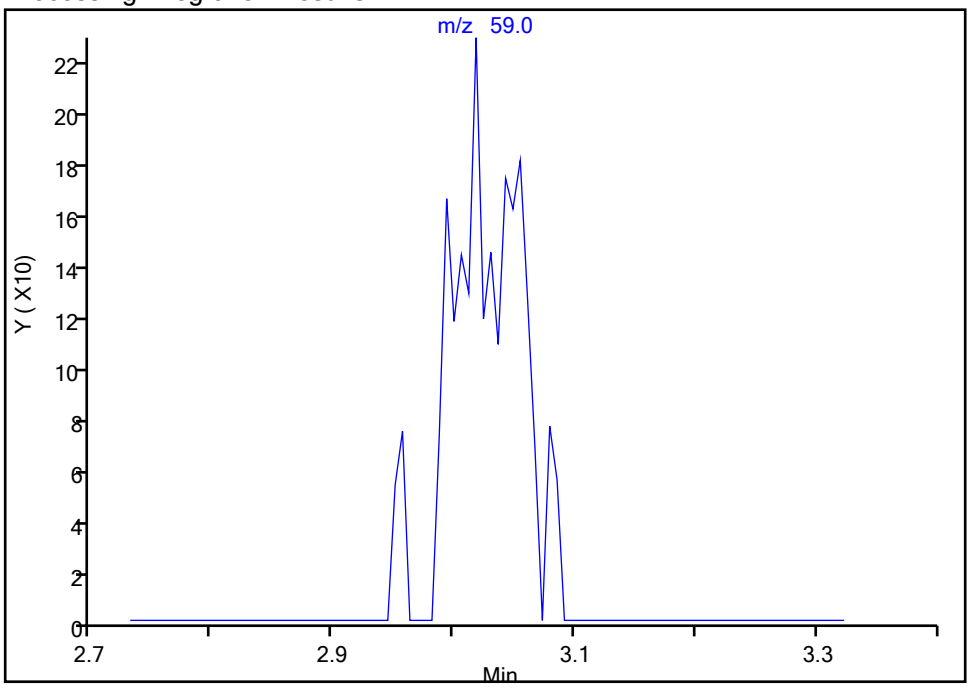
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

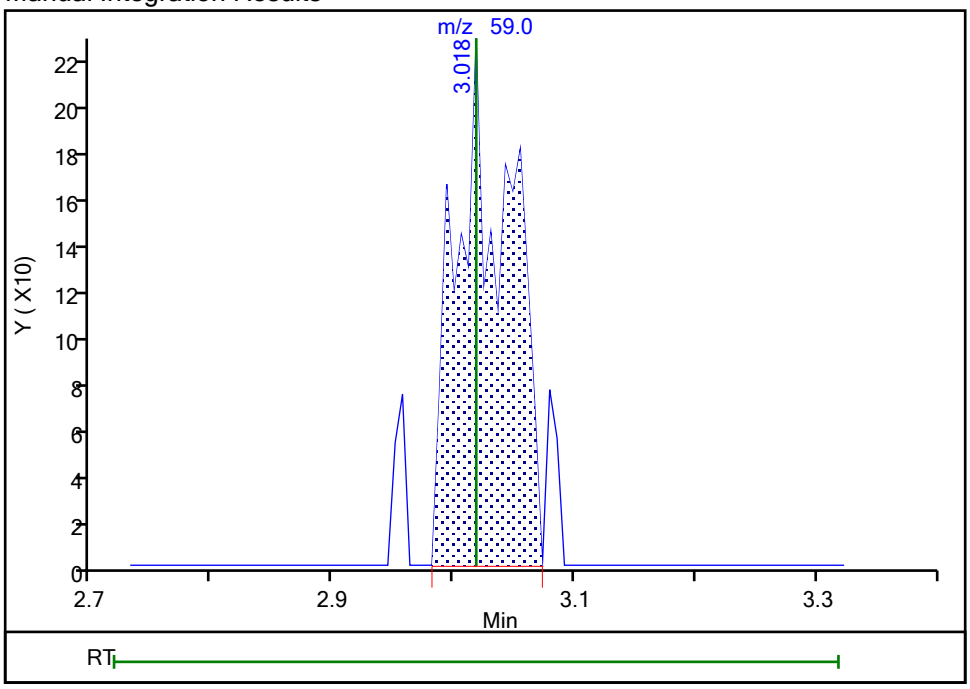
Not Detected
Expected RT: 3.02

Processing Integration Results



Manual Integration Results

RT: 3.02
Area: 706
Amount: 5.092964
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:16 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

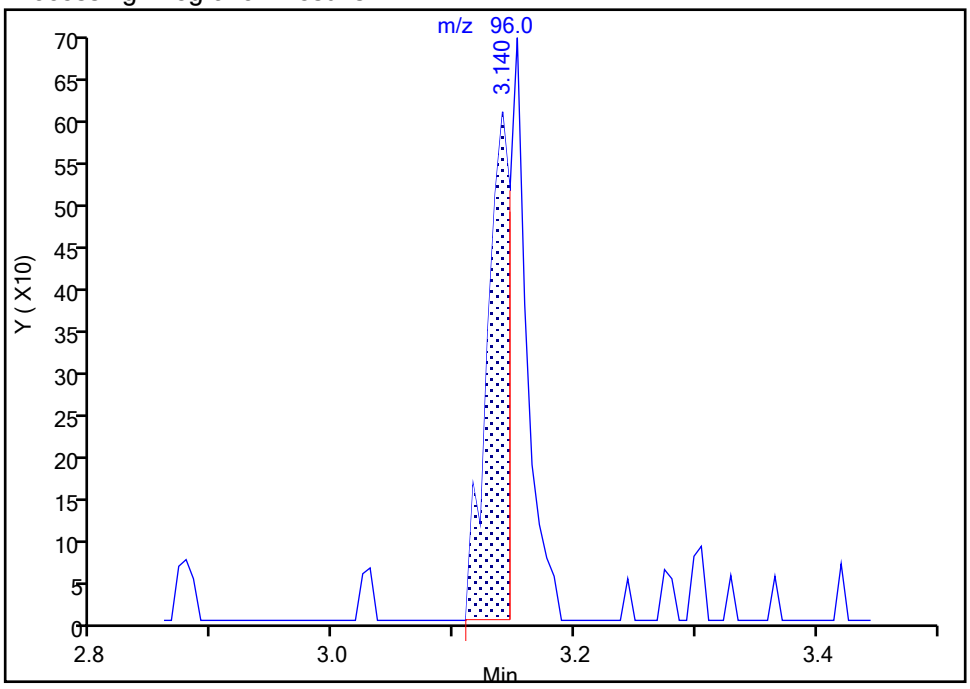
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

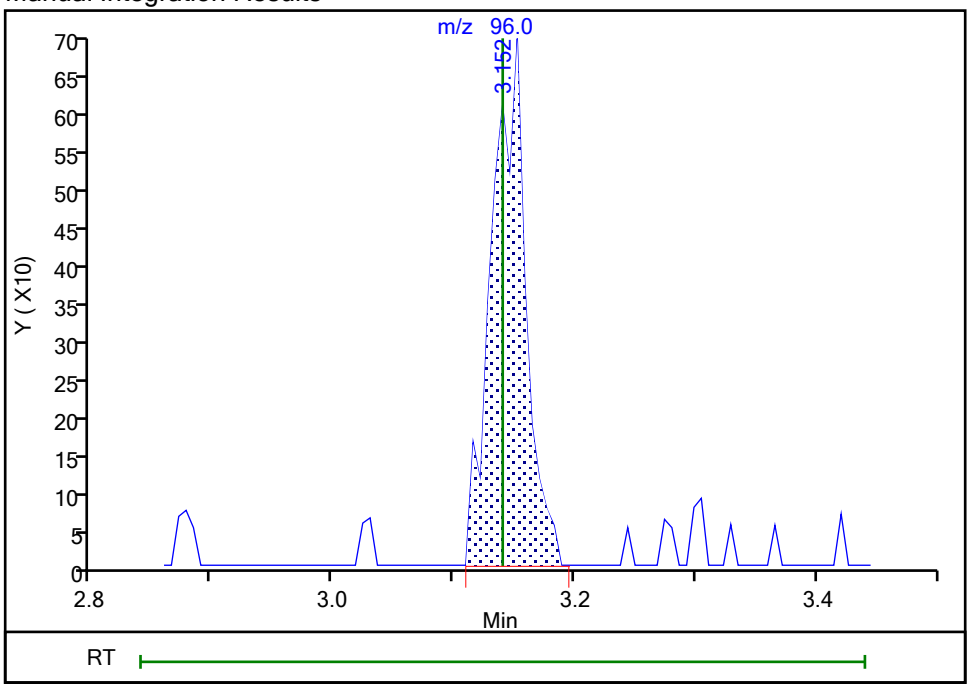
Processing Integration Results

RT: 3.14
Area: 828
Amount: 0.387577
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 1380
Amount: 0.601552
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:28 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

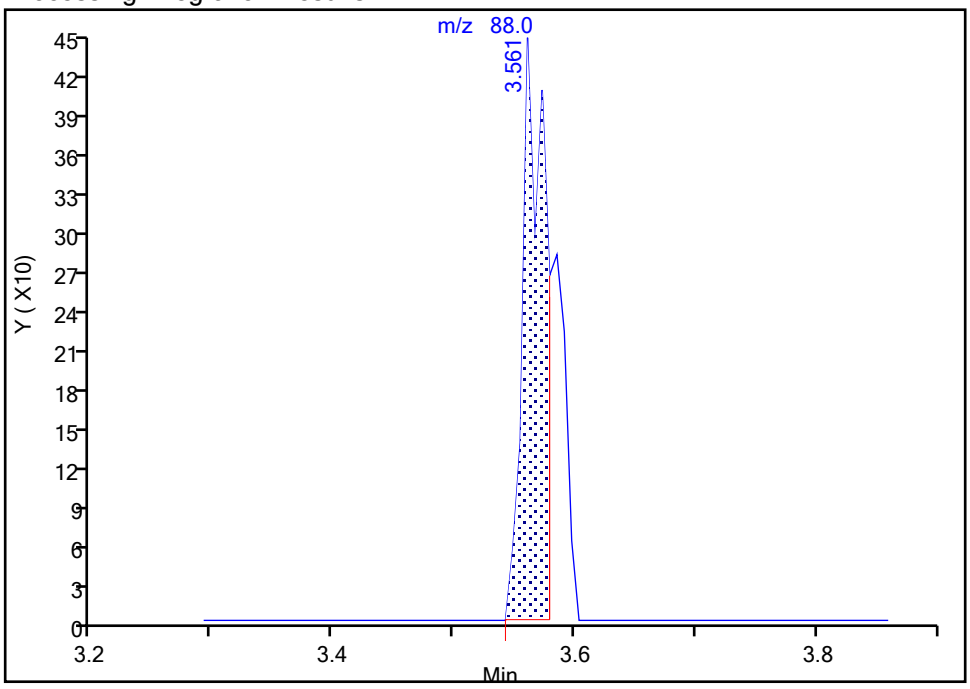
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

40 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

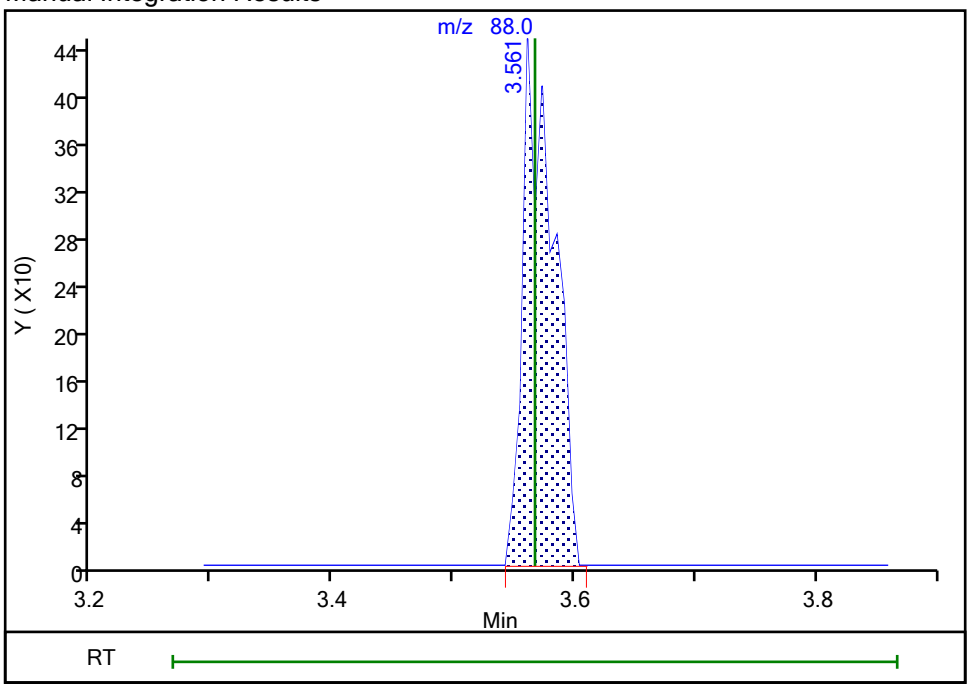
Processing Integration Results

RT: 3.56
Area: 584
Amount: 0.343001
Amount Units: ug/l



Manual Integration Results

RT: 3.56
Area: 790
Amount: 0.448487
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:40 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

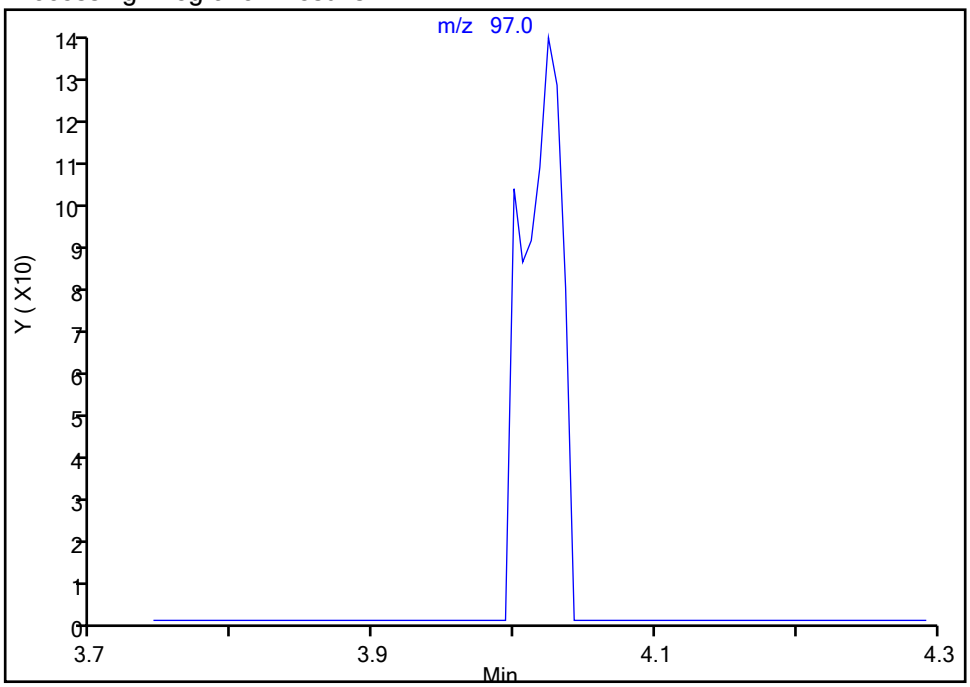
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

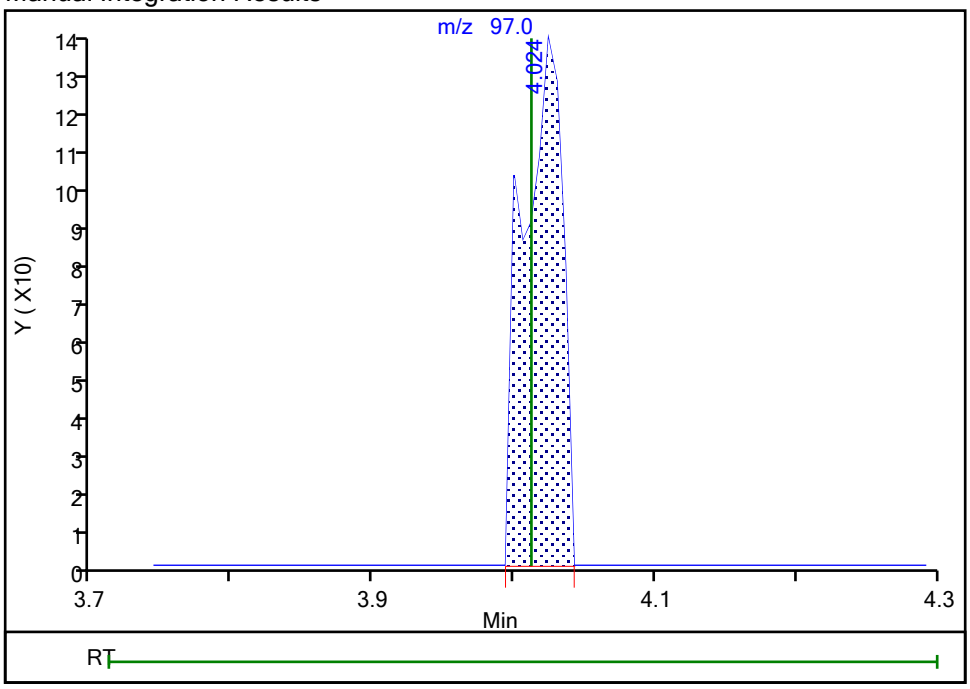
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 260
Amount: 0.345579
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:47 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

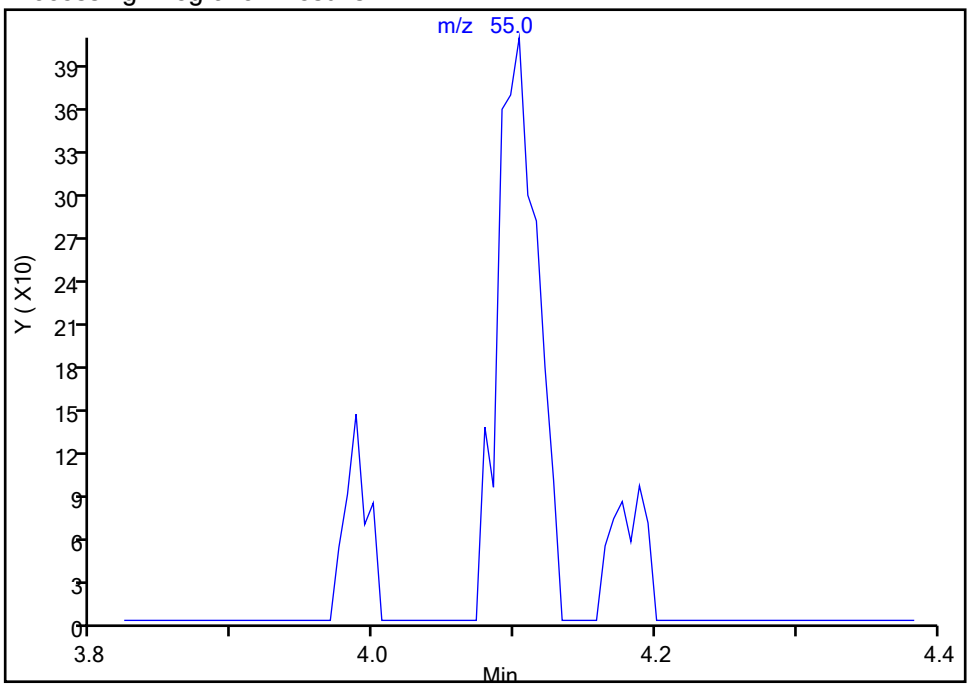
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

47 Methyl acrylate, CAS: 96-33-3

Signal: 1

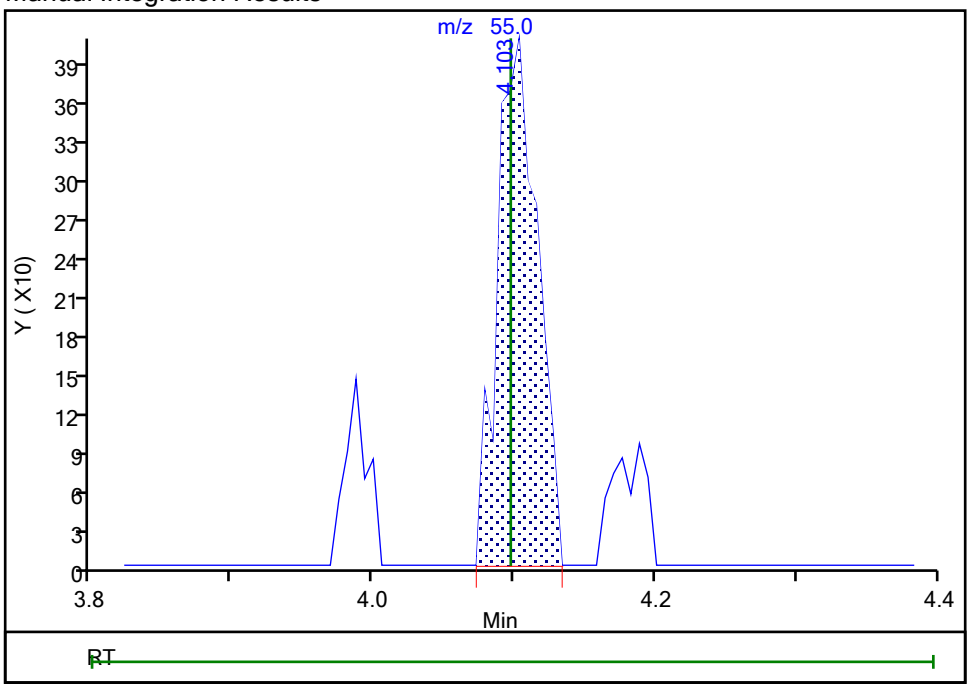
Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 808
Amount: 0.497009
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:56 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

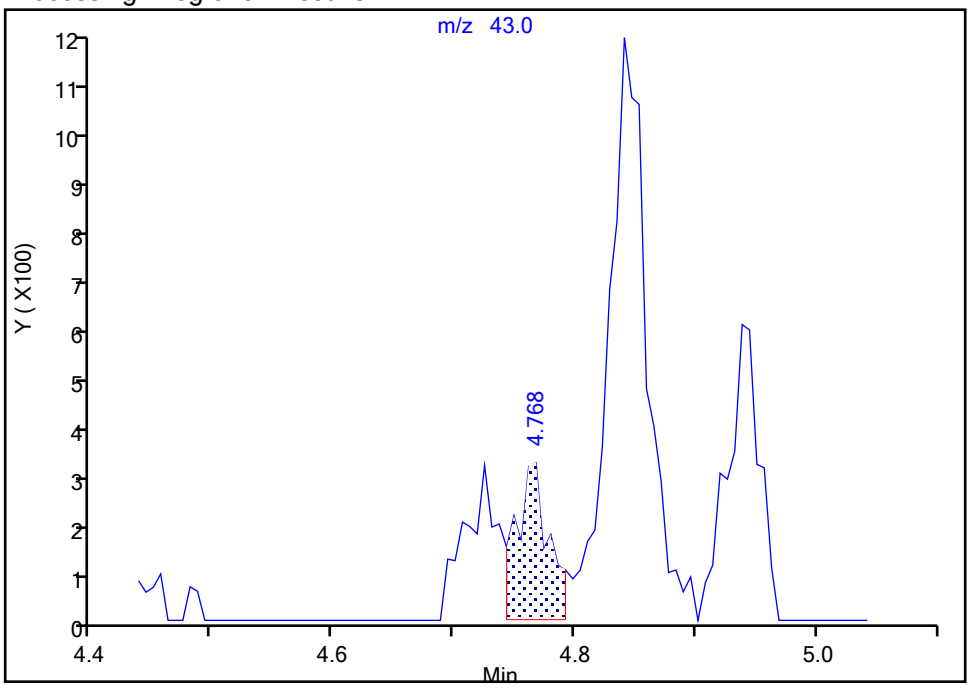
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

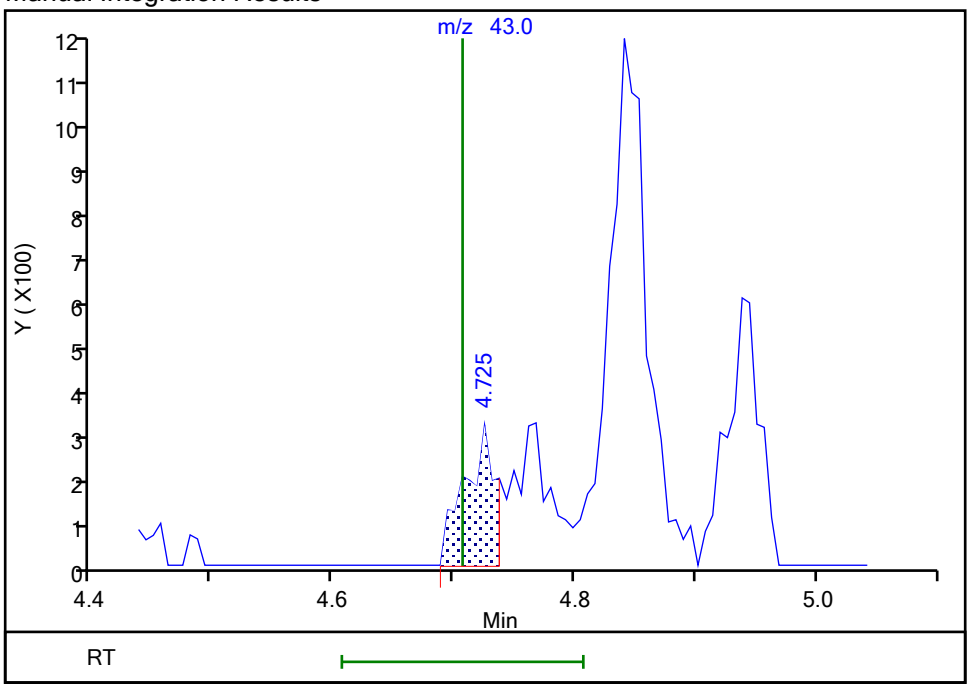
Processing Integration Results

RT: 4.77
Area: 614
Amount: 11.678523
Amount Units: ug/l



Manual Integration Results

RT: 4.73
Area: 551
Amount: 10.480270
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:11 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

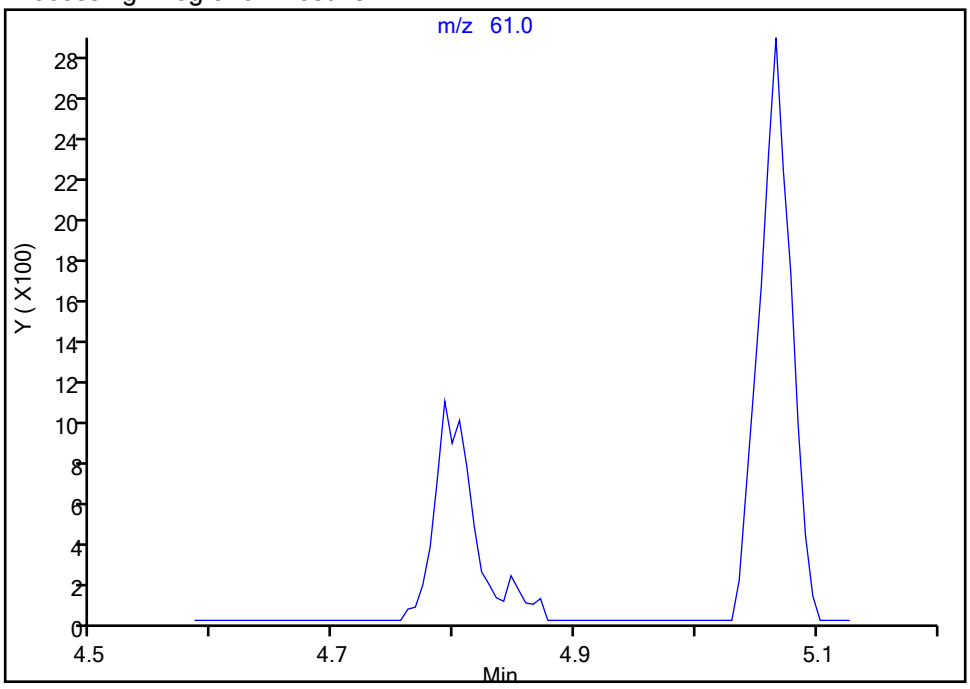
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

63 Isopropyl acetate, CAS: 108-21-4

Signal: 1

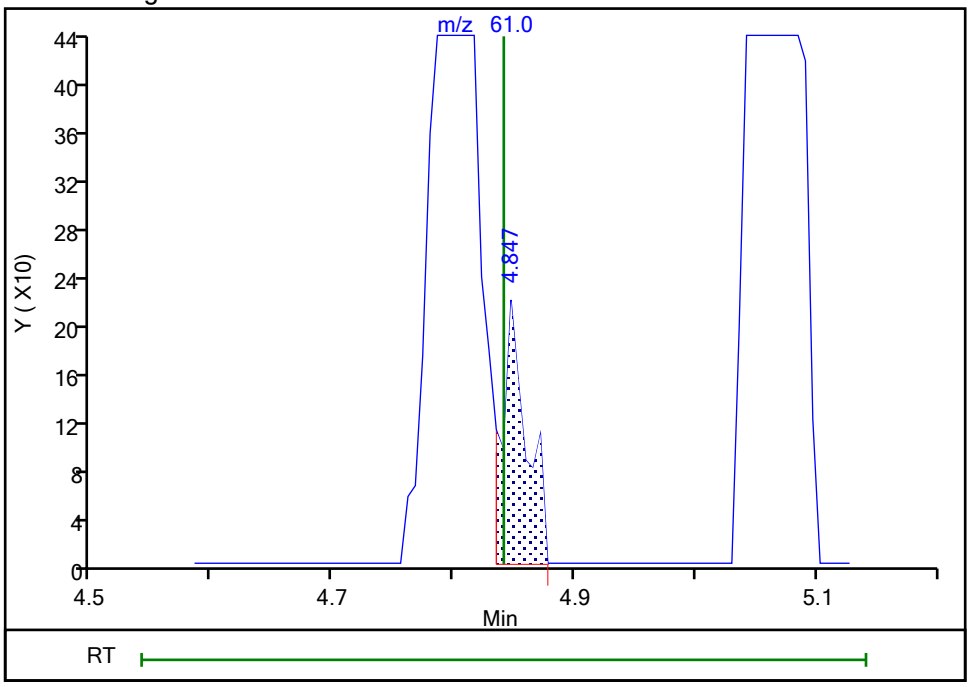
Not Detected
Expected RT: 4.84

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 307
Amount: 0.306025
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:31 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

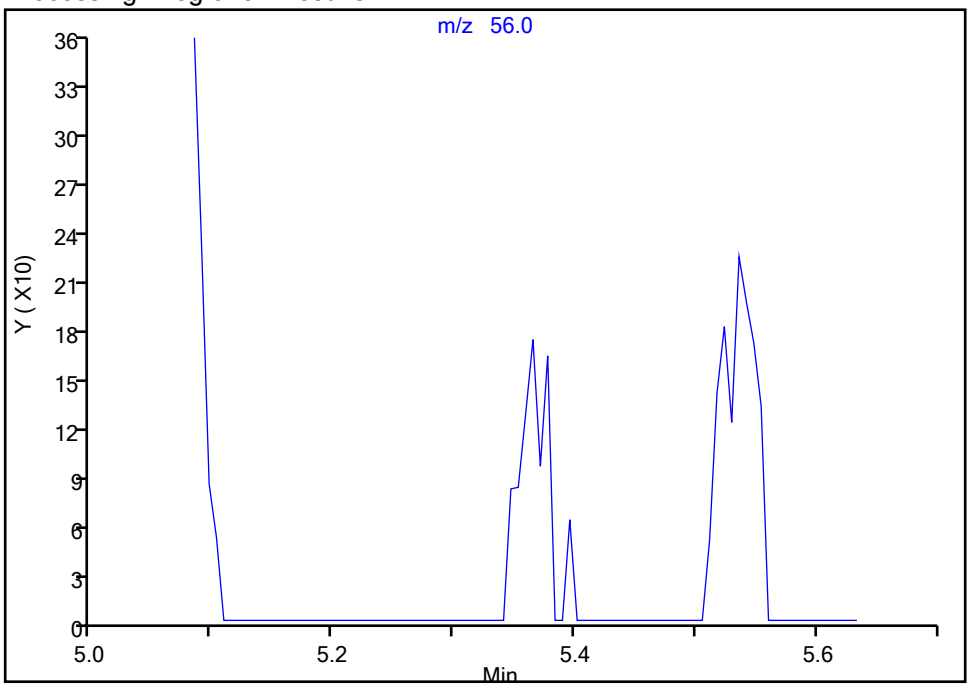
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

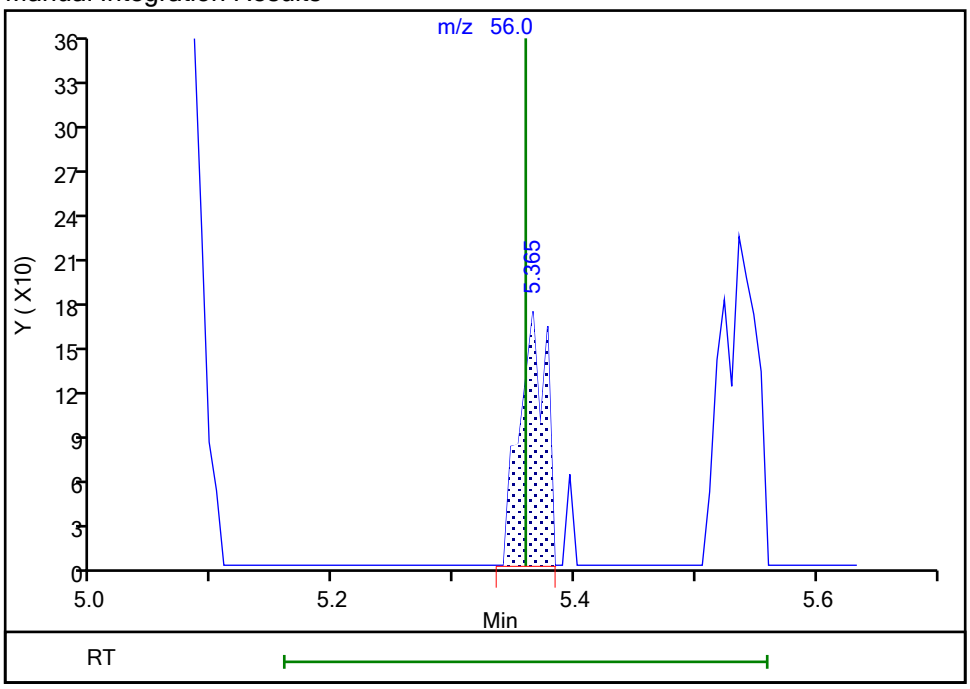
Not Detected
Expected RT: 5.36

Processing Integration Results



Manual Integration Results

RT: 5.37
Area: 264
Amount: 8.598644
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:41 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

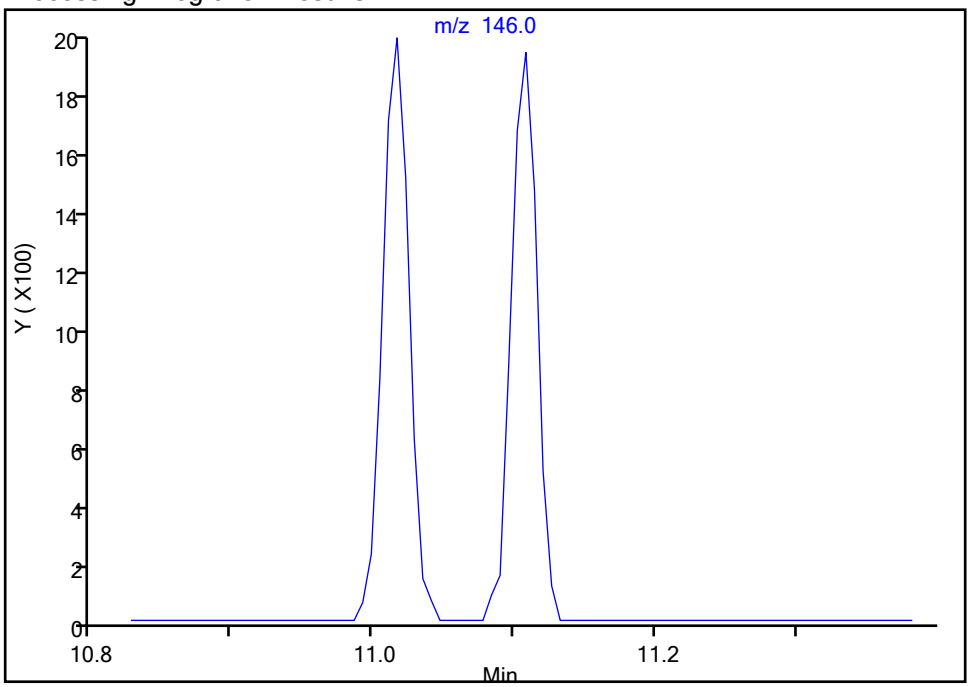
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

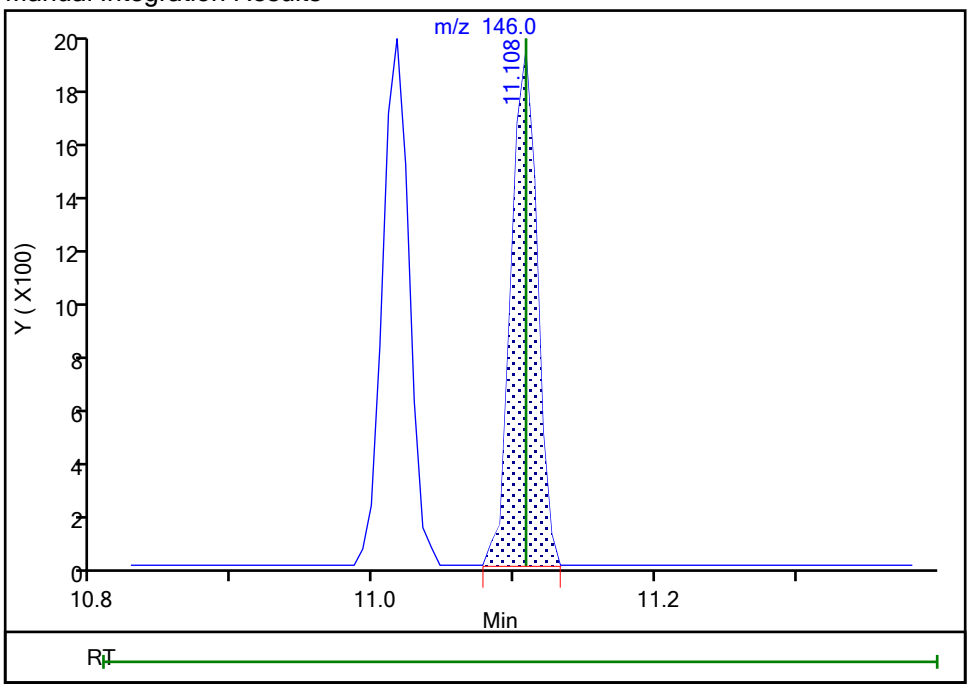
Not Detected
Expected RT: 11.11

Processing Integration Results



Manual Integration Results

RT: 11.11
Area: 2451
Amount: 0.485840
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:22:33 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Feb-2024 08:03:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0172593-005
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:12 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 08:41:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	1	756	1.00	0.9092	a
2 1,1-Difluoroethane	65	1.378	1.372	0.006	68	892	1.00	0.7859	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	55	2882	1.00	1.00	
5 Chlorodifluoromethane	67	1.427	1.409	0.018	49	405	1.00	1.03	a
6 Chloromethane	50	1.567	1.561	0.006	96	2911	1.00	0.9474	
7 Vinyl chloride	62	1.646	1.647	-0.001	84	2539	1.00	0.8918	
8 Butadiene	54	1.659	1.659	0.000	94	2171	1.00	0.8843	
9 Bromomethane	94	1.921	1.915	0.006	94	1995	1.00	0.9322	
10 Chloroethane	64	1.988	1.970	0.018	95	1503	1.00	0.9285	a
11 Dichlorofluoromethane	67	2.159	2.146	0.012	98	3995	1.00	0.8341	
13 Pentane	72	2.165	2.165	0.000	93	812	2.00	3.59	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	55	3031	1.00	0.9439	a
15 Ethyl ether	74	2.354	2.342	0.012	83	1338	1.00	0.9121	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	95	1423	1.00	0.8739	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	85	1927	1.00	0.8480	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	40	3211	1.00	0.9287	
19 Acrolein	56	2.506	2.506	0.000	38	1471	4.00	3.71	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.543	2.524	0.019	59	1840	1.00	0.8838	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	94	2069	1.00	0.9460	
22 Acetone	43	2.634	2.616	0.018	91	2716	5.00	5.11	M
23 Iodomethane	142	2.701	2.689	0.012	97	3766	1.00	0.8935	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	29	1033	10.0	12.1	M
24 Carbon disulfide	76	2.725	2.719	0.006	99	6346	1.00	0.8074	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	82	1262	1.00	0.9001	
27 Methyl acetate	43	2.860	2.848	0.012	98	2608	2.00	1.82	
28 Cyclopentene	67	2.866	2.860	0.006	68	3805	1.00	0.9018	
29 Acetonitrile	41	2.896	2.896	0.000	36	2482	10.0	9.42	Ma
* 31 TBA-d9 (IS)	66	2.963	2.957	0.006	0	28446	1000.0	1000.0	
30 Methylene Chloride	84	2.975	2.969	0.006	31	2258	1.00	0.8886	
32 2-Methyl-2-propanol	59	3.049	3.018	0.031	1	1169	10.0	7.64	Ma

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	95	5918	1.00	0.8870	
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	91	2029	1.00	0.8349	
35 Acrylonitrile	53	3.213	3.207	0.006	95	6398	10.0	8.22	
36 Hexane	57	3.292	3.293	-0.001	93	2423	1.00	0.9178	
37 Isopropyl ether	45	3.500	3.500	0.000	90	6019	1.00	0.8600	
38 1,1-Dichloroethane	63	3.542	3.524	0.018	70	3295	1.00	0.8541	a
39 Vinyl acetate	86	3.536	3.543	-0.006	99	709	2.00	1.64	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	86	1623	1.00	0.8698	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	89	5389	1.00	0.8104	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	193860	250.0	250.0	
43 2,2-Dichloropropane	97	4.036	4.012	0.024	46	722	1.00	0.9059	a
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	95	2309	1.00	0.8791	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	96	876	5.00	4.14	
46 Ethyl acetate	70	4.061	4.049	0.013	93	342	2.00	1.52	
47 Methyl acrylate	55	4.103	4.097	0.006	96	1333	1.00	0.7740	
48 Propionitrile	54	4.176	4.170	0.006	97	2148	10.0	8.02	
50 Tetrahydrofuran	72	4.256	4.244	0.012	55	524	2.00	2.26	M
49 Chlorobromomethane	128	4.250	4.250	0.000	74	1114	1.00	0.8451	
51 Methacrylonitrile	67	4.280	4.274	0.006	89	6636	10.0	7.78	
52 Chloroform	83	4.304	4.298	0.006	98	3414	1.00	0.9032	
53 Cyclohexane	84	4.445	4.439	0.006	31	2648	1.00	0.9158	
54 1,1,1-Trichloroethane	97	4.445	4.451	-0.006	35	2796	1.00	0.8663	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122502	50.0	50.3	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	94	2386	1.00	0.8569	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	97	2433	1.00	0.8795	
58 Isobutyl alcohol	43	4.719	4.707	0.012	39	779	25.0	13.4	a
59 Isooctane	57	4.762	4.756	0.006	96	6246	1.00	0.8832	
60 Benzene	78	4.786	4.786	0.000	42	7787	1.00	0.9016	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119935	50.0	49.9	
63 Isopropyl acetate	61	4.847	4.841	0.006	94	905	1.00	0.8516	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	76	5021	1.00	0.7476	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	89	2272	1.00	0.8902	
65 n-Heptane	100	4.932	4.932	0.000	84	411	1.00	0.9296	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	470754	50.0	50.0	
67 n-Butanol	56	5.377	5.359	0.018	34	530	25.0	15.6	
68 Trichloroethene	95	5.408	5.408	0.000	93	1952	1.00	0.8669	
69 Methylcyclohexane	83	5.542	5.536	0.006	80	3030	1.00	0.8990	
70 Ethyl acrylate	99	5.536	5.536	0.000	95	252	1.00	0.8385	
71 1,2-Dichloropropane	63	5.707	5.695	0.012	76	1916	1.00	0.8640	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20362	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	90	867	2.00	1.63	
75 1,4-Dioxane	88	5.804	5.804	0.000	21	679	50.0	44.1	
74 Dibromomethane	93	5.822	5.823	-0.001	71	1038	1.00	0.7684	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	2073	1.00	0.8431	
77 Dichlorobromomethane	83	5.975	5.969	0.006	93	2135	1.00	0.7708	
78 2-Nitropropane	41	6.304	6.310	-0.006	82	1073	2.00	1.72	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	49	1132	1.00	0.8703	
80 Epichlorohydrin	57	6.414	6.408	0.006	98	2727	20.0	15.5	
81 cis-1,3-Dichloropropene	75	6.475	6.469	0.006	90	2685	1.00	0.8067	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	2868	5.00	3.82	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	448420	50.0	50.4	
84 Toluene	91	6.786	6.786	0.000	94	9352	1.00	0.9766	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.139	7.133	0.006	92	2269	1.00	0.7888	
86 Ethyl methacrylate	69	7.170	7.170	0.000	84	1770	1.00	0.7273	
87 1,1,2-Trichloroethane	83	7.347	7.347	-0.001	91	1290	1.00	0.7903	
88 Tetrachloroethene	166	7.389	7.389	0.000	92	1905	1.00	0.8093	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	88	2592	1.00	0.8662	
90 2-Hexanone	43	7.627	7.621	0.006	92	3667	5.00	3.65	
91 n-Butyl acetate	43	7.737	7.737	0.000	96	2072	1.00	0.7708	
92 Chlorodibromomethane	129	7.779	7.779	0.000	96	1697	1.00	0.7999	
93 Ethylene Dibromide	107	7.932	7.932	0.000	96	1538	1.00	0.8083	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	351470	50.0	50.0	
95 Chlorobenzene	112	8.511	8.517	-0.006	98	4997	1.00	0.8222	
96 Ethylbenzene	106	8.621	8.621	0.000	98	2440	1.00	0.7642	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	89	1725	1.00	0.7723	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	3240	1.00	0.8299	
100 n-Butyl acrylate	73	9.291	9.291	0.000	57	1199	1.00	0.7826	
99 o-Xylene	106	9.297	9.297	0.000	94	3239	1.00	0.8125	
101 Styrene	104	9.328	9.328	0.000	96	4465	1.00	0.7473	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	94	2417	1.00	0.7340	
102 Bromoform	173	9.566	9.566	0.000	69	1266	1.00	0.8400	
104 Isopropylbenzene	105	9.718	9.718	0.000	96	7874	1.00	0.8062	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	146738	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	93	2443	1.00	0.9050	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	96	1931	1.00	0.7799	
108 N-Propylbenzene	91	10.169	10.169	0.000	99	9757	1.00	0.8335	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	89	508	1.00	0.7373	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	61	540	1.00	0.9585	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	6662	1.00	0.8300	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	7954	1.00	0.7999	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	92	6343	1.00	0.7678	
114 4-Chlorotoluene	91	10.401	10.401	0.000	95	6576	1.00	0.8913	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	1834	1.00	0.5649	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	5823	1.00	0.8014	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	7049	1.00	0.8069	
118 sec-Butylbenzene	105	10.882	10.889	-0.007	98	8806	1.00	0.7999	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	94	4185	1.00	0.8006	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	96	7171	1.00	0.7587	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	201657	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	94	4500	1.00	0.8531	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	7806	1.00	0.8229	
124 Benzyl chloride	91	11.248	11.248	0.000	98	3780	1.00	0.7800	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	93	7225	1.00	0.7928	
126 p-Diethylbenzene	119	11.370	11.370	0.000	96	5293	1.00	0.8471	
127 n-Butylbenzene	92	11.395	11.395	-0.001	96	4074	1.00	0.8148	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	96	4439	1.00	0.8451	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	7702	1.00	0.7936	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	86	411	1.00	0.6670	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	3743	1.00	0.8034	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	93	3611	1.00	0.8121	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	91	1444	1.00	0.7810	
134 Naphthalene	128	12.925	12.925	0.000	99	8643	1.00	0.8490	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	3694	1.00	0.8443	
S 136 1,2-Dichloroethene, Total	100				0		2.00	1.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		2.00	1.64	
S 139 1,3-Dichloropropene, Total	1				0		2.00	1.60	
S 140 Total BTEX	1				0		5.00	4.28	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

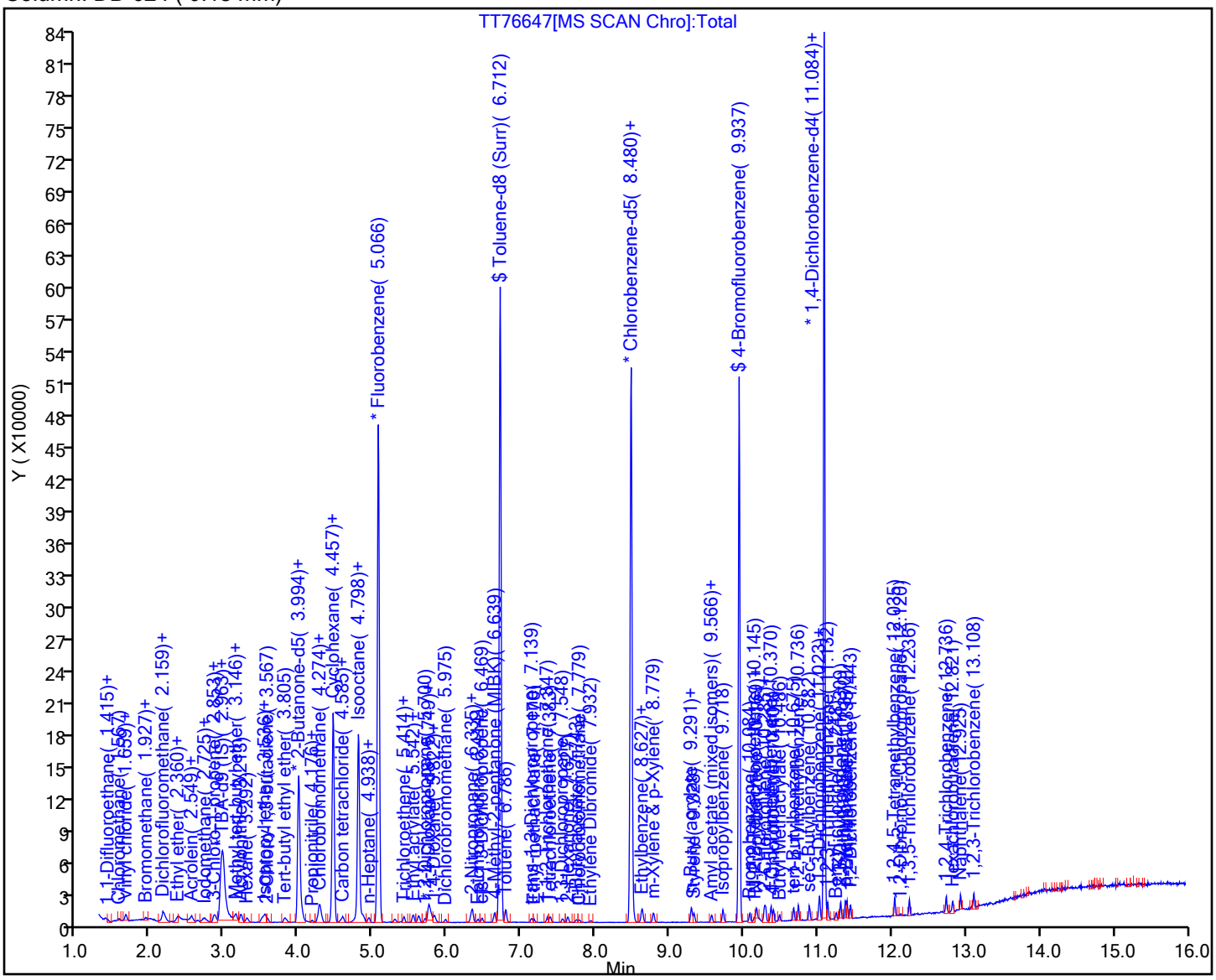
Reagents:

524FREONS_00015	Amount Added:	10.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	10.00	Units: uL	
14DIOXINTER_00166	Amount Added:	30.00	Units: uL	
GASES Li_00572	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:12 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

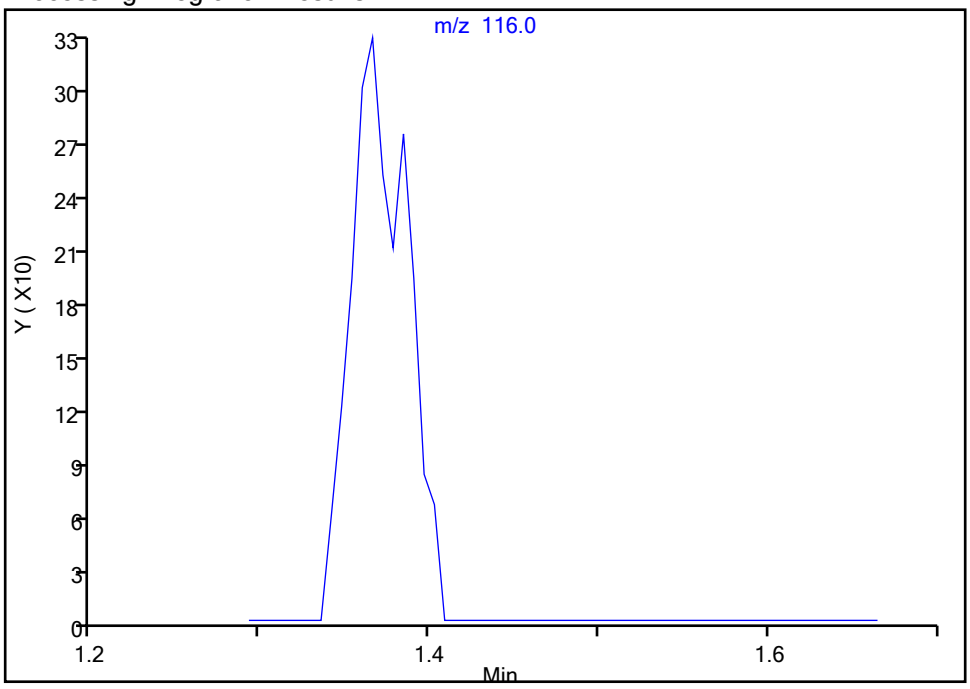
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

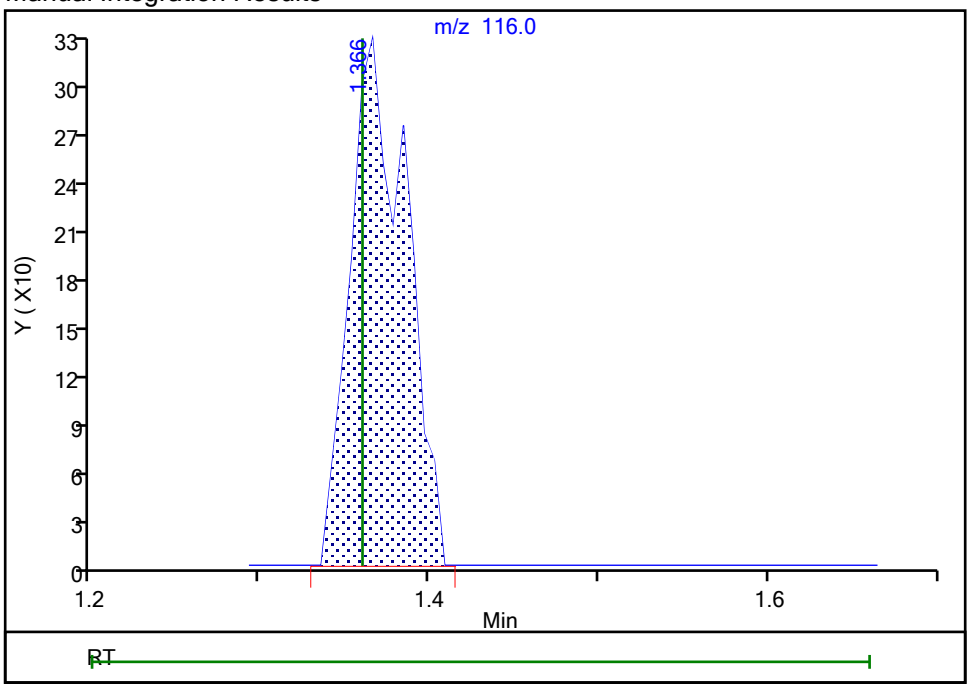
Not Detected
Expected RT: 1.36

Processing Integration Results



Manual Integration Results

RT: 1.37
Area: 756
Amount: 0.909207
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:41 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

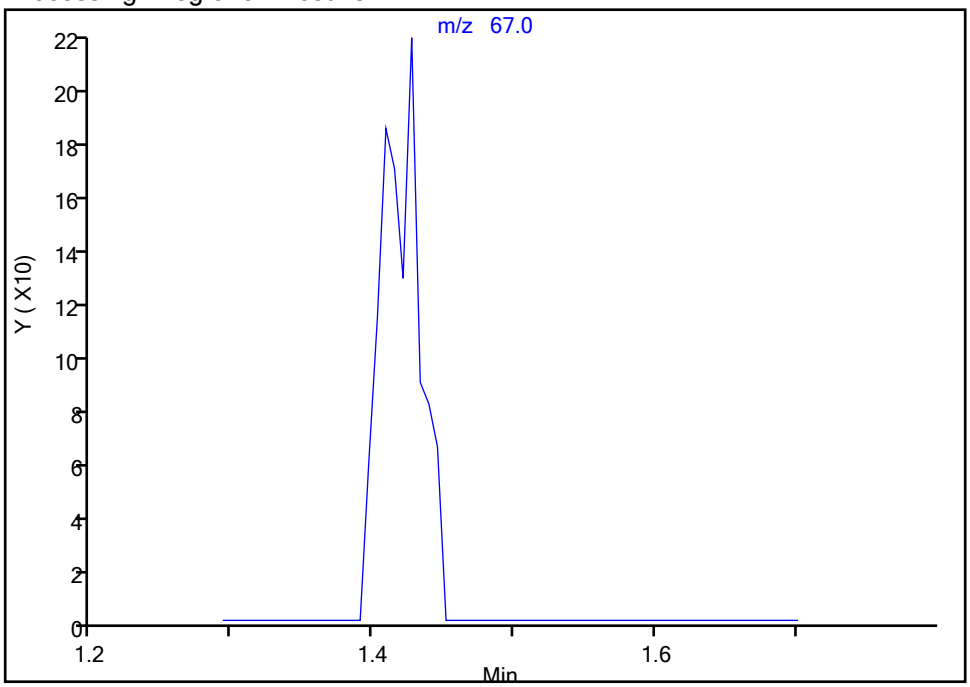
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

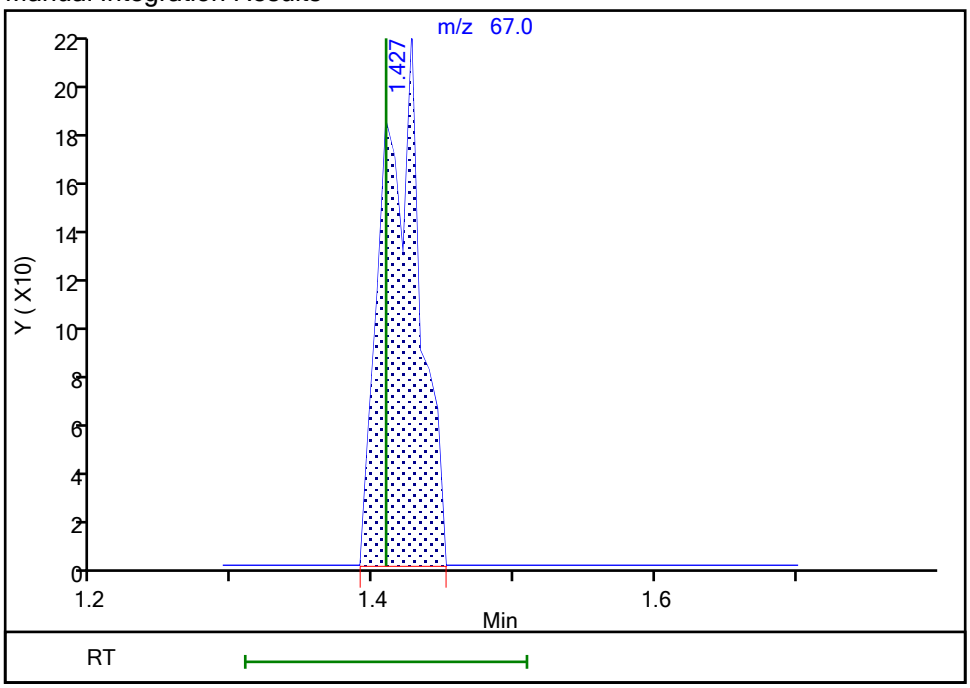
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.43
Area: 405
Amount: 1.029104
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:48 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

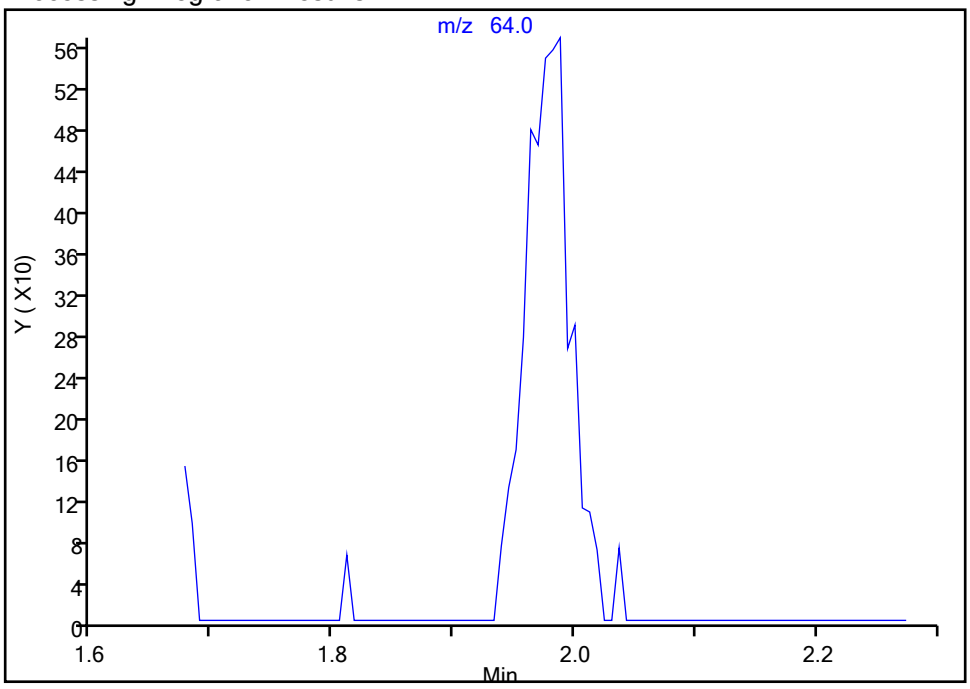
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3

Signal: 1

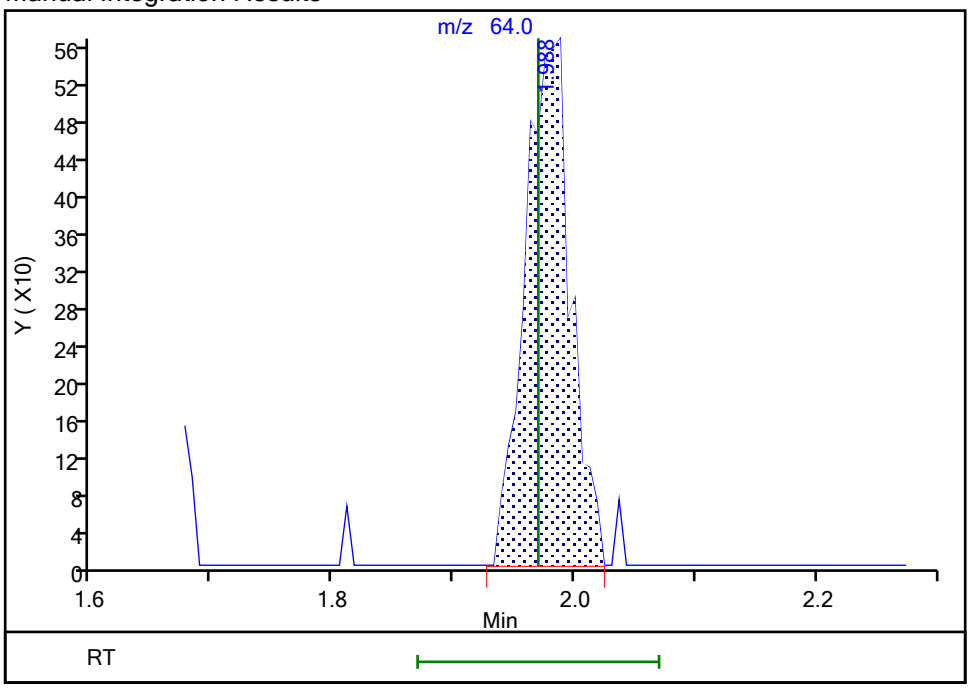
Not Detected
Expected RT: 1.97

Processing Integration Results



Manual Integration Results

RT: 1.99
Area: 1503
Amount: 0.928506
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

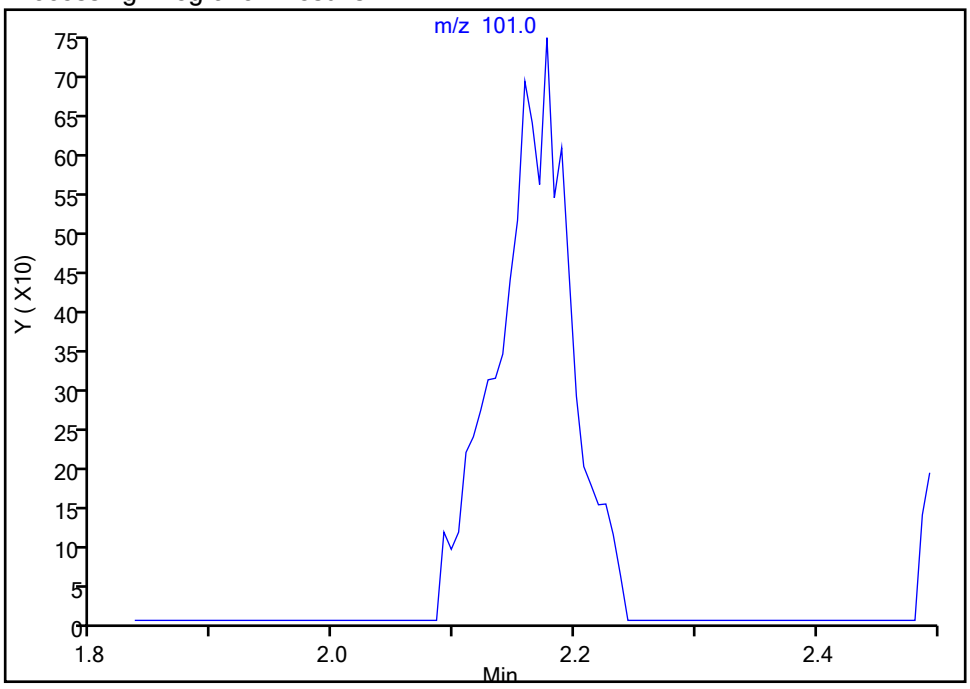
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

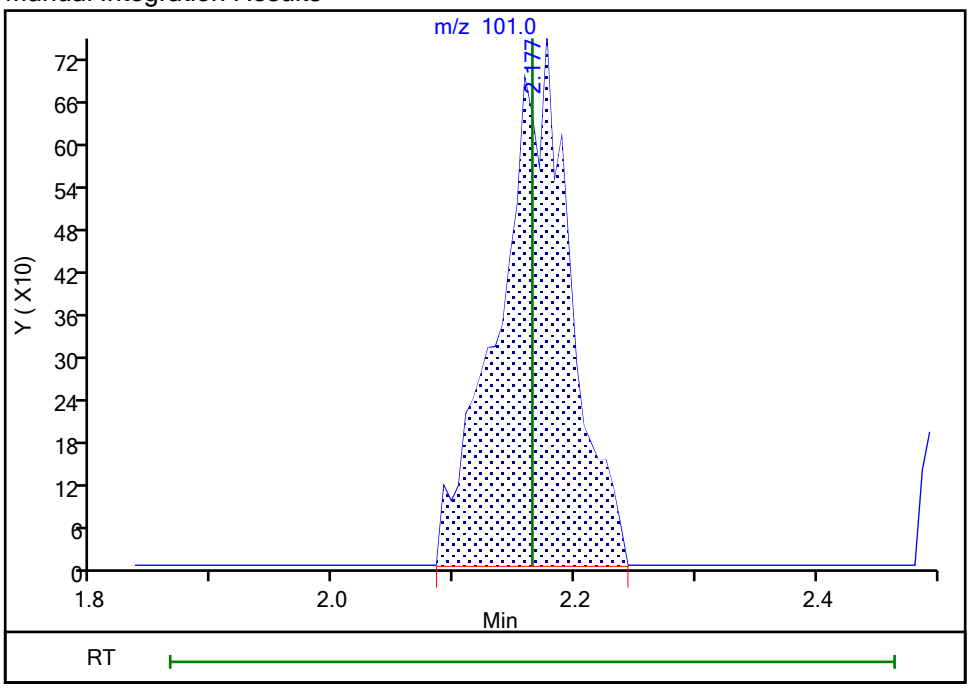
Not Detected
Expected RT: 2.16

Processing Integration Results



Manual Integration Results

RT: 2.18
Area: 3031
Amount: 0.943872
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

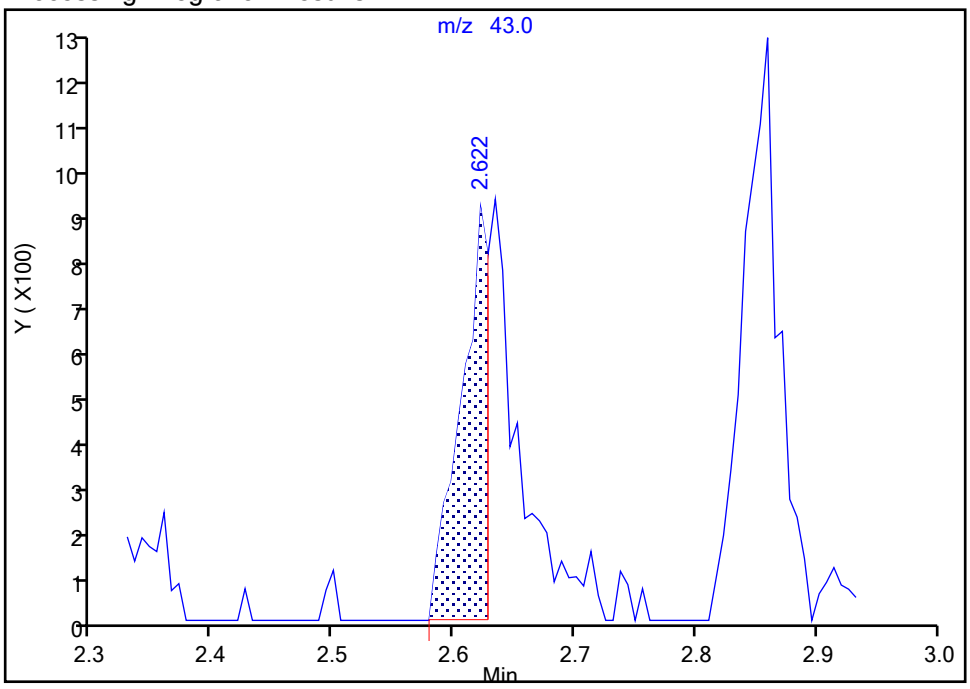
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

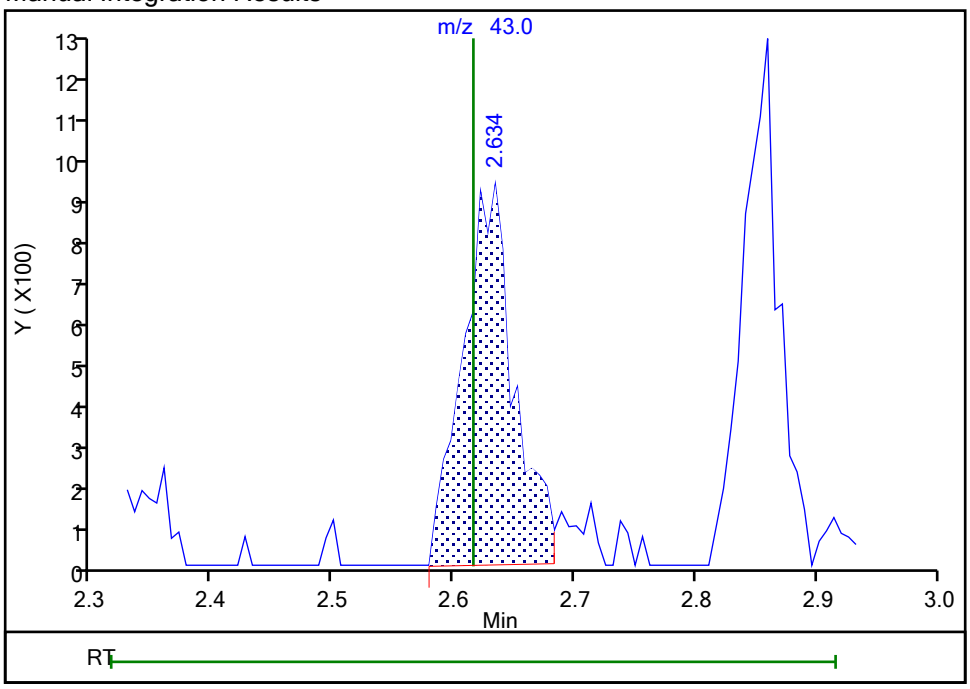
Processing Integration Results

RT: 2.62
Area: 1465
Amount: 2.806634
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 2716
Amount: 5.113218
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:20 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

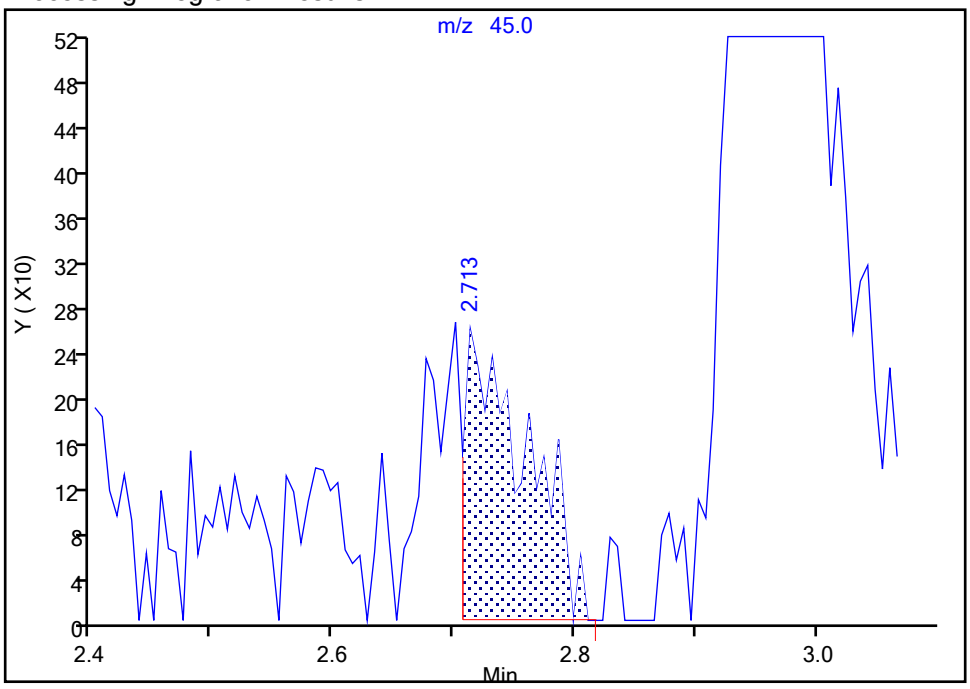
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

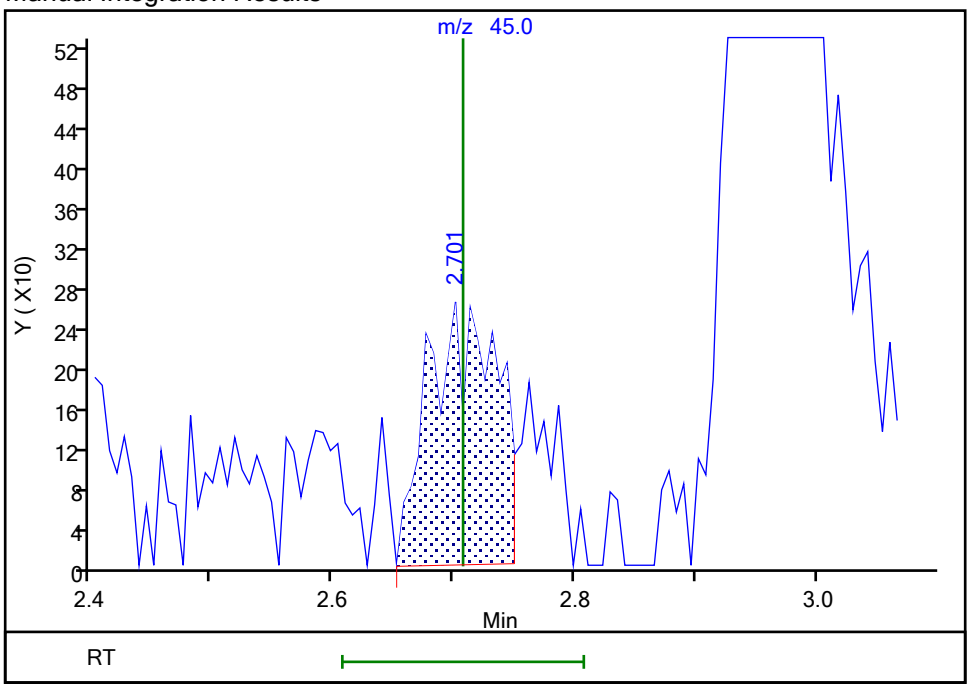
Processing Integration Results

RT: 2.71
Area: 902
Amount: 10.874746
Amount Units: ug/l



Manual Integration Results

RT: 2.70
Area: 1033
Amount: 12.134697
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:38 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

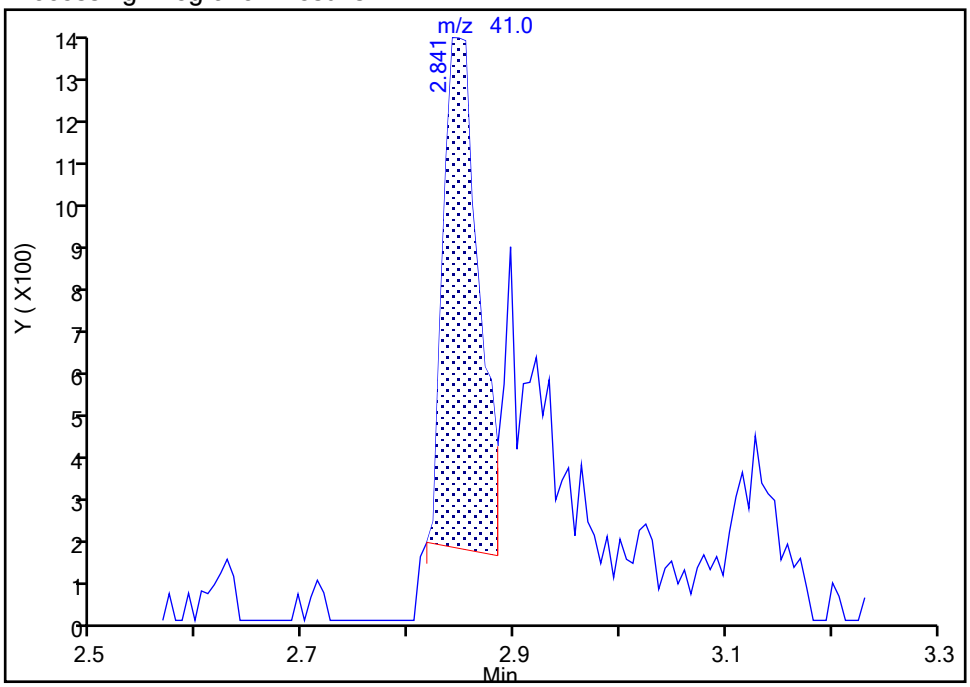
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

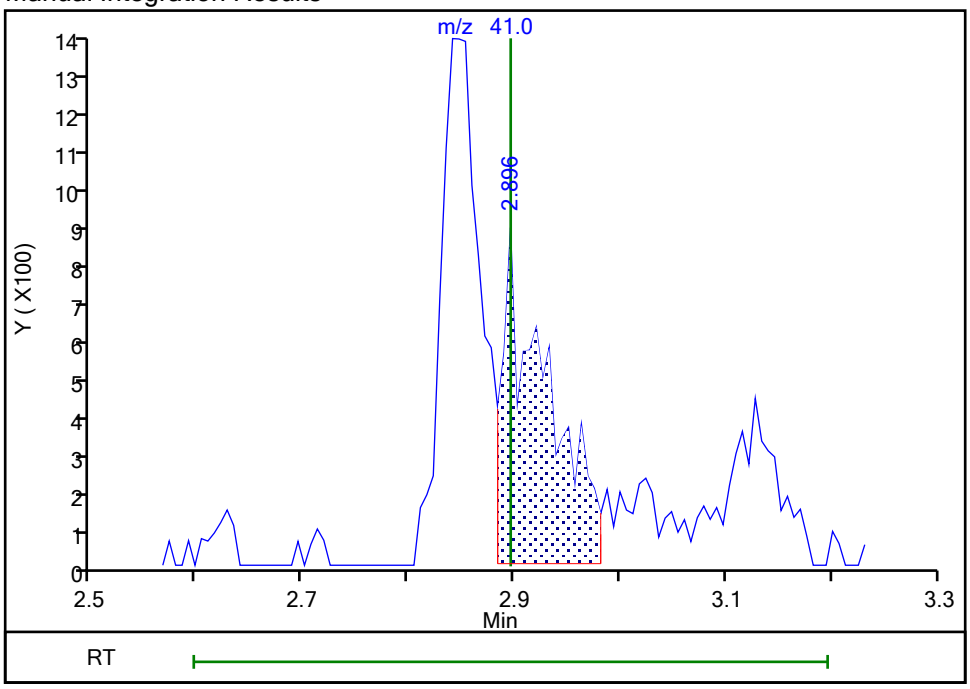
Processing Integration Results

RT: 2.84
Area: 2669
Amount: 10.982725
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 2482
Amount: 9.422564
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:24:54 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Edison

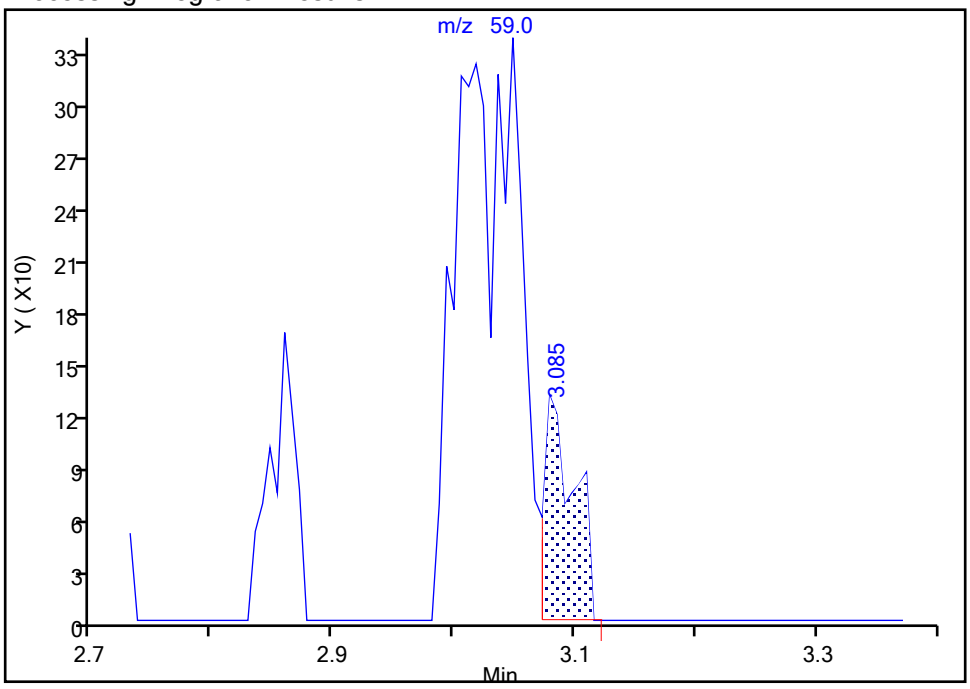
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

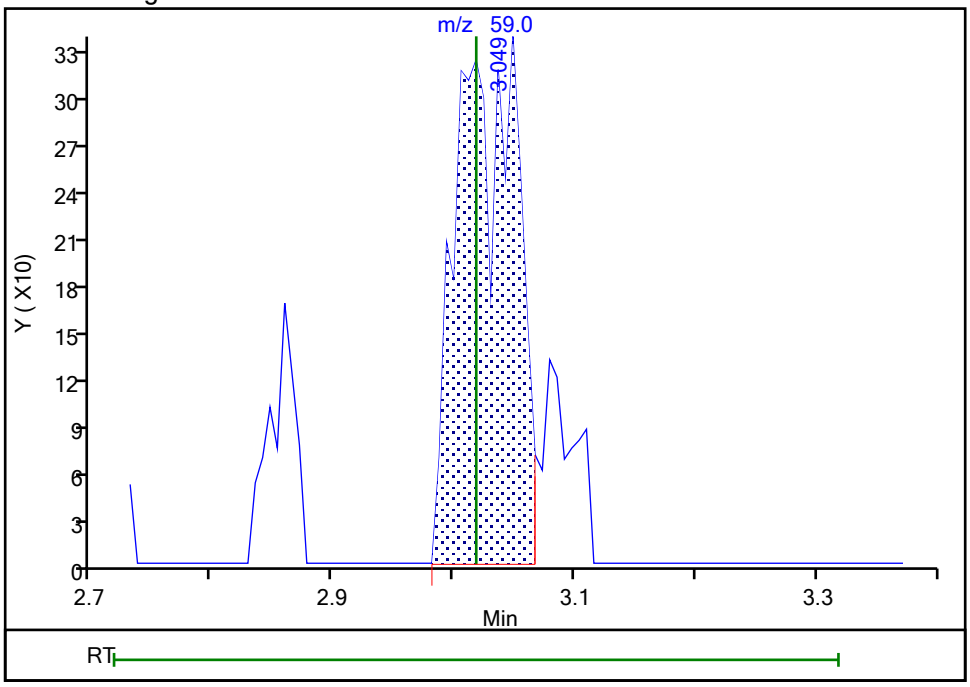
Processing Integration Results

RT: 3.09
Area: 222
Amount: 1.591457
Amount Units: ug/l



Manual Integration Results

RT: 3.05
Area: 1169
Amount: 7.639357
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:25:14 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

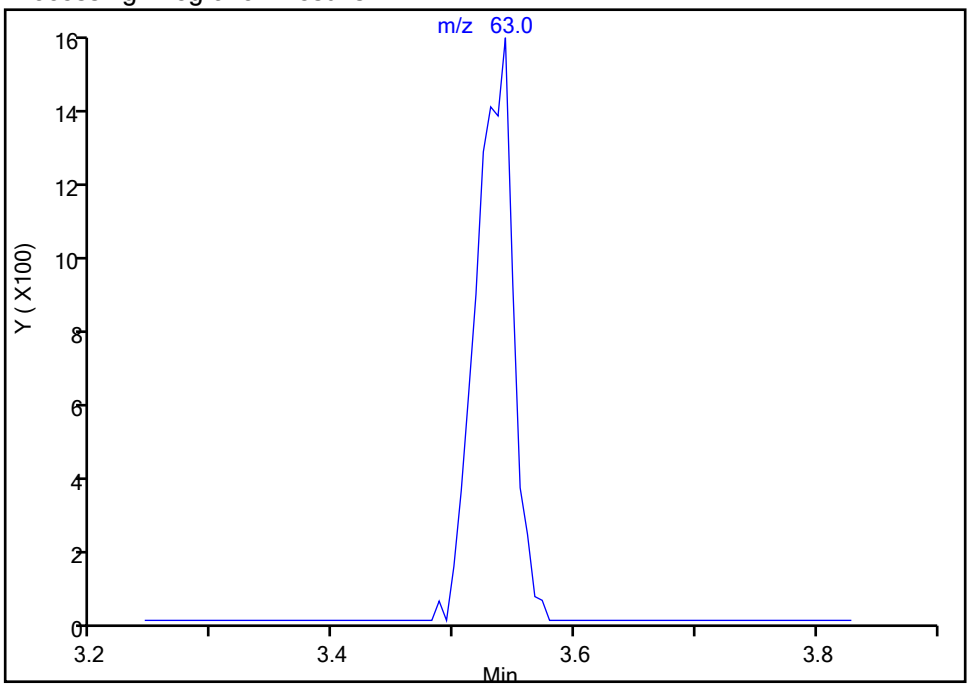
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

38 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

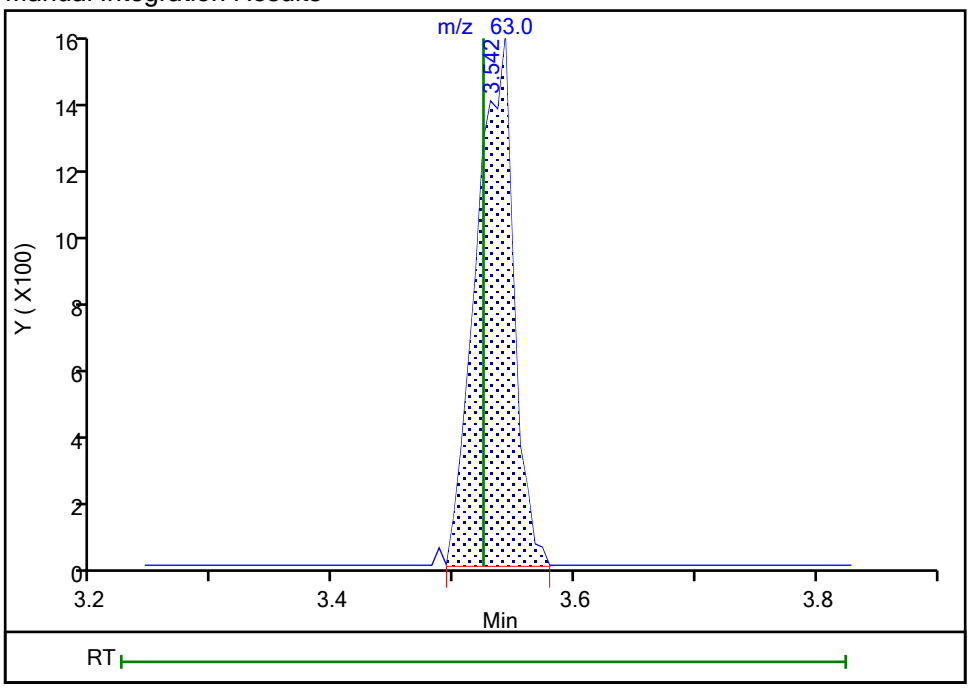
Not Detected
Expected RT: 3.52

Processing Integration Results



Manual Integration Results

RT: 3.54
Area: 3295
Amount: 0.854129
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:21 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

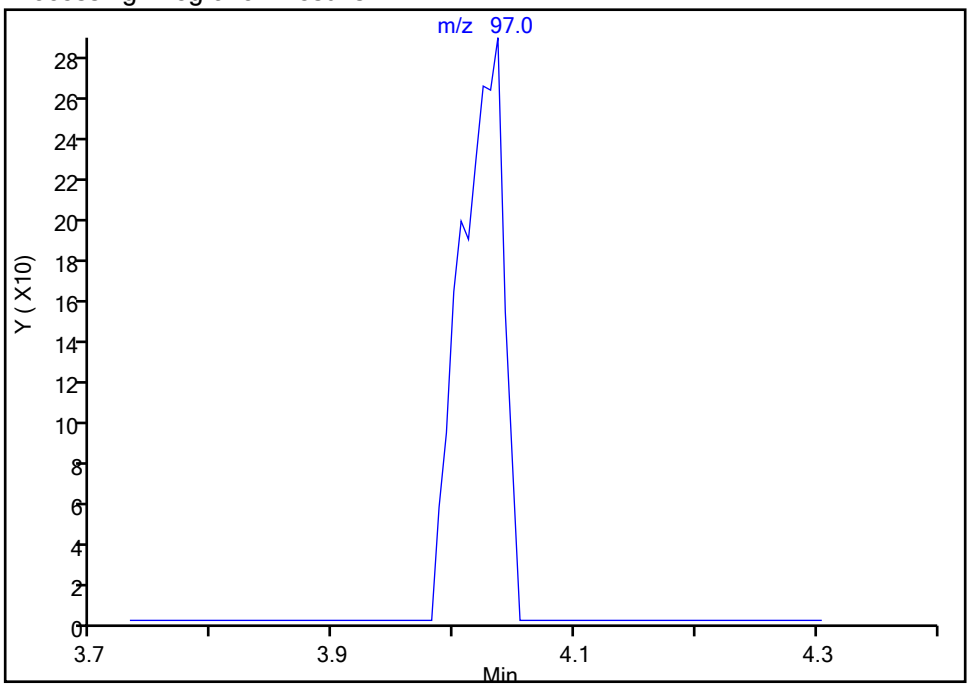
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

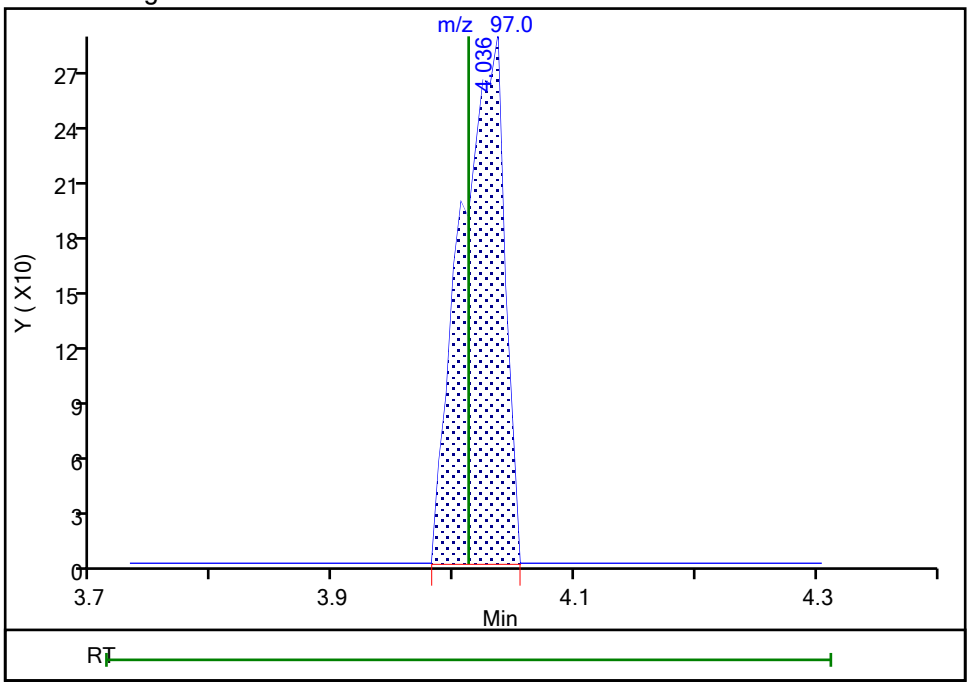
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.04
Area: 722
Amount: 0.905896
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:31 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

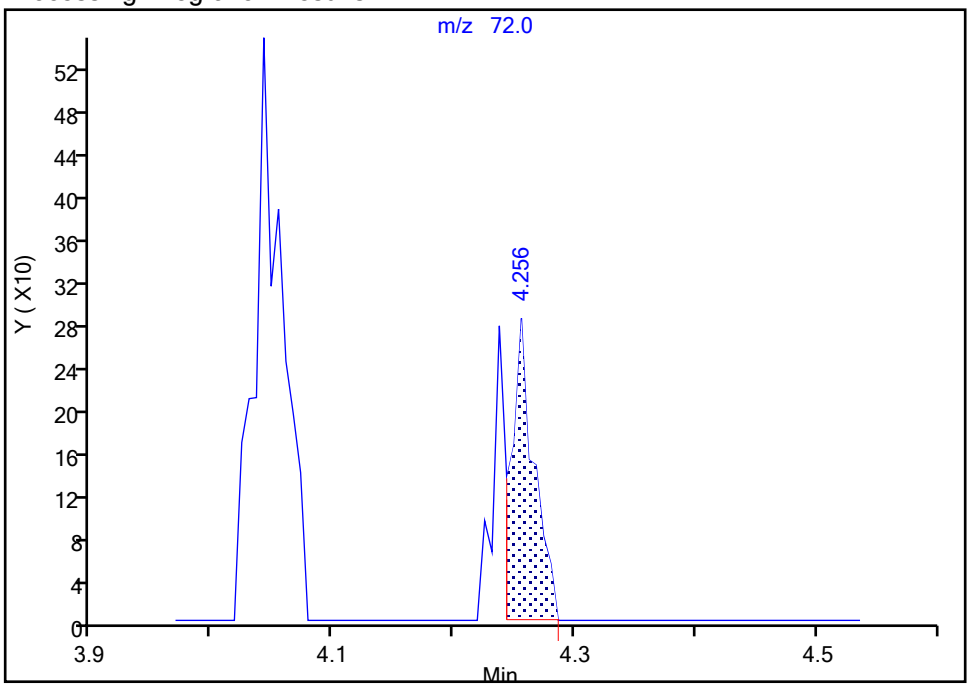
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

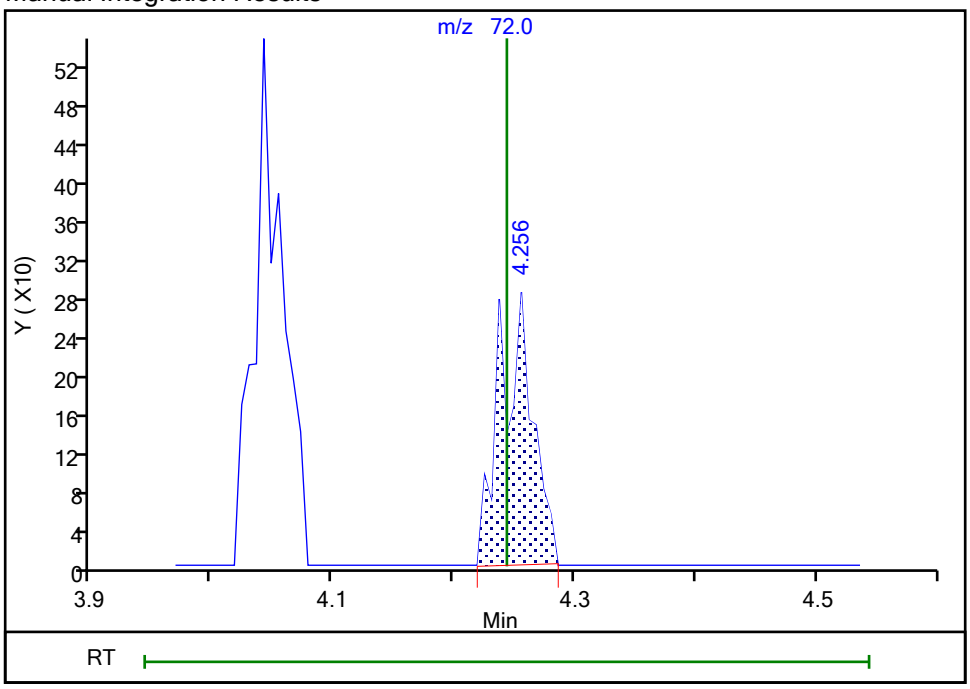
Processing Integration Results

RT: 4.26
Area: 368
Amount: 1.333119
Amount Units: ug/l



Manual Integration Results

RT: 4.26
Area: 524
Amount: 2.257193
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:55 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Edison

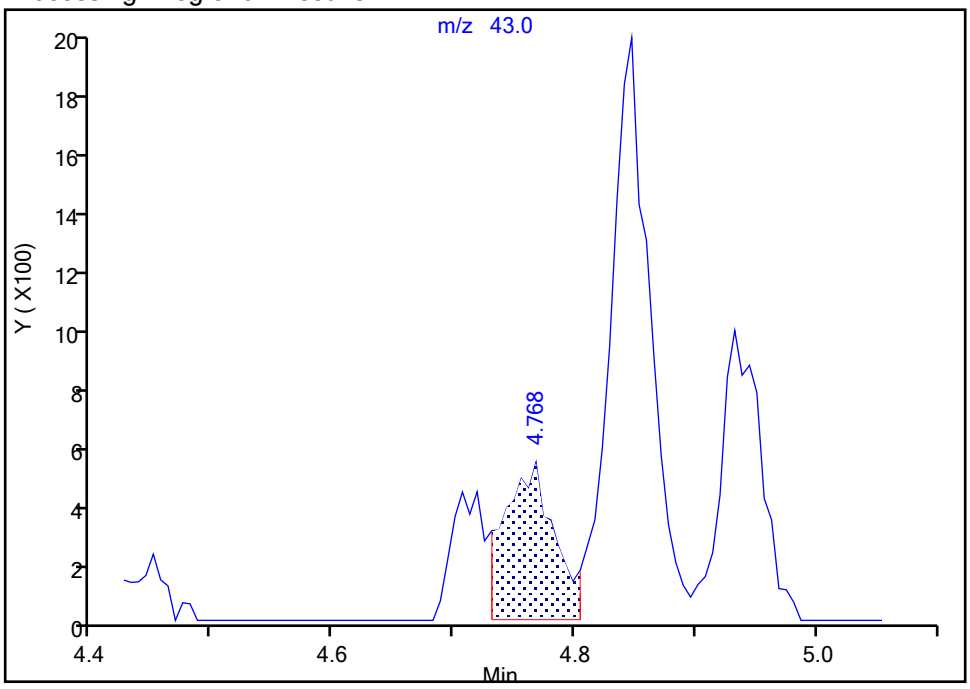
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

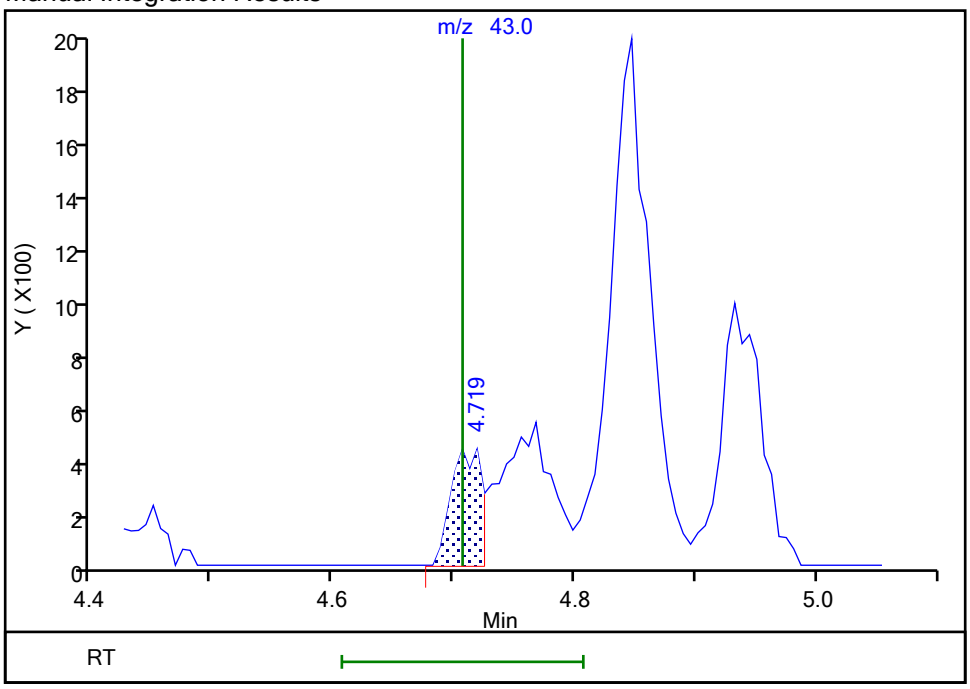
Processing Integration Results

RT: 4.77
Area: 1575
Amount: 28.836942
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 779
Amount: 13.422486
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:16:36 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Feb-2024 08:23:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0172593-006
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:00:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	54	4072	5.00	5.15	
2 1,1-Difluoroethane	65	1.378	1.378	0.000	96	6230	5.00	5.78	
4 Dichlorodifluoromethane	85	1.397	1.397	0.000	96	14714	5.00	5.36	
5 Chlorodifluoromethane	67	1.415	1.415	0.000	97	2218	5.00	5.93	a
6 Chloromethane	50	1.561	1.561	0.000	98	14036	5.00	4.81	
7 Vinyl chloride	62	1.647	1.647	0.000	87	13659	5.00	5.05	
8 Butadiene	54	1.659	1.659	0.000	95	12216	5.00	5.24	
9 Bromomethane	94	1.921	1.921	0.000	99	11061	5.00	5.44	
10 Chloroethane	64	1.976	1.976	0.000	98	8317	5.00	5.41	
11 Dichlorofluoromethane	67	2.153	2.153	0.000	99	23981	5.00	5.27	
13 Pentane	72	2.159	2.159	0.000	97	3539	10.0	16.5	a
12 Trichlorofluoromethane	101	2.165	2.165	0.000	73	16126	5.00	5.29	
15 Ethyl ether	74	2.348	2.348	0.000	91	7090	5.00	5.09	
14 Ethanol	46	2.311	2.311	0.000	71	1014	200.0	159.0	a
16 2-Methyl-1,3-butadiene	53	2.372	2.372	0.000	94	9229	5.00	5.97	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	84	11159	5.00	5.17	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.464	2.464	0.000	87	17472	5.00	5.32	
19 Acrolein	56	2.512	2.512	0.000	95	7426	20.0	19.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.531	2.531	0.000	91	10209	5.00	5.16	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	95	11859	5.00	5.71	
22 Acetone	43	2.616	2.616	0.000	89	11300	25.0	22.7	
23 Iodomethane	142	2.695	2.695	0.000	96	21727	5.00	5.43	
25 Isopropyl alcohol	45	2.695	2.695	0.000	30	3393	50.0	42.8	
24 Carbon disulfide	76	2.726	2.726	0.000	99	39901	5.00	5.34	
26 3-Chloro-1-propene	76	2.848	2.848	0.000	94	7147	5.00	5.36	
27 Methyl acetate	43	2.854	2.854	0.000	88	13865	10.0	10.2	
28 Cyclopentene	67	2.866	2.866	0.000	93	22102	5.00	5.51	
29 Acetonitrile	41	2.909	2.909	0.000	97	11950	50.0	48.4	
* 31 TBA-d9 (IS)	66	2.963	2.963	0.000	0	26487	1000.0	1000.0	
30 Methylene Chloride	84	2.970	2.970	0.000	91	12919	5.00	5.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.037	3.037	0.000	97	6910	50.0	48.5	
33 Methyl tert-butyl ether	73	3.122	3.122	0.000	97	32419	5.00	5.11	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	92	12461	5.00	5.40	
35 Acrylonitrile	53	3.213	3.213	0.000	96	38302	50.0	51.8	
36 Hexane	57	3.299	3.299	0.000	92	13042	5.00	5.20	
37 Isopropyl ether	45	3.500	3.500	0.000	98	34270	5.00	5.15	
38 1,1-Dichloroethane	63	3.530	3.530	0.000	99	19122	5.00	5.22	
39 Vinyl acetate	86	3.536	3.536	0.000	100	4481	10.0	11.0	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	9028	5.00	5.09	
41 Tert-butyl ethyl ether	59	3.817	3.817	0.000	89	33259	5.00	5.26	
* 42 2-Butanone-d5	46	3.994	3.994	0.000	0	181647	250.0	250.0	
43 2,2-Dichloropropane	97	4.024	4.024	0.000	47	4321	5.00	5.71	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	97	12847	5.00	5.15	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	5350	25.0	27.0	
46 Ethyl acetate	70	4.049	4.049	0.000	93	2416	10.0	11.5	
47 Methyl acrylate	55	4.097	4.097	0.000	98	8336	5.00	5.09	
48 Propionitrile	54	4.171	4.171	0.000	98	12758	50.0	51.2	
50 Tetrahydrofuran	72	4.244	4.244	0.000	65	2635	10.0	9.84	
49 Chlorobromomethane	128	4.250	4.250	0.000	77	6876	5.00	5.49	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	41562	50.0	51.3	
52 Chloroform	83	4.305	4.305	0.000	98	18881	5.00	5.26	
53 Cyclohexane	84	4.433	4.433	0.000	89	15760	5.00	5.74	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	74	16240	5.00	5.30	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	97	113888	50.0	49.2	
56 Carbon tetrachloride	117	4.561	4.561	0.000	96	14367	5.00	5.43	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	14382	5.00	5.47	
58 Isobutyl alcohol	43	4.713	4.713	0.000	90	4895	125.0	90.6	
59 Isooctane	57	4.756	4.756	0.000	98	34306	5.00	5.11	
60 Benzene	78	4.786	4.786	0.000	95	44163	5.00	5.29	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	111750	50.0	49.0	
63 Isopropyl acetate	61	4.847	4.847	0.000	86	5519	5.00	5.47	
62 Tert-amyl methyl ether	73	4.853	4.853	0.000	97	33028	5.00	5.18	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	96	12393	5.00	5.11	
65 n-Heptane	100	4.939	4.939	0.000	89	2418	5.00	4.68	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	447271	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	90	2915	125.0	92.2	
68 Trichloroethene	95	5.414	5.414	0.000	95	10919	5.00	5.10	
69 Methylcyclohexane	83	5.536	5.536	0.000	80	17607	5.00	5.50	
70 Ethyl acrylate	99	5.536	5.536	0.000	95	1488	5.00	5.21	
71 1,2-Dichloropropane	63	5.695	5.695	0.000	93	10613	5.00	5.04	
* 72 1,4-Dioxane-d8	96	5.749	5.749	0.000	0	19692	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.774	0.000	83	5101	10.0	10.1	
75 1,4-Dioxane	88	5.810	5.810	0.000	78	1378	100.0	92.5	
74 Dibromomethane	93	5.823	5.823	0.000	94	6766	5.00	5.27	
76 n-Propyl acetate	43	5.835	5.835	0.000	98	11583	5.00	4.96	
77 Dichlorobromomethane	83	5.975	5.975	0.000	99	13364	5.00	5.08	
78 2-Nitropropane	41	6.304	6.304	0.000	81	3866	10.0	9.06	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	84	5966	5.01	4.83	
80 Epichlorohydrin	57	6.414	6.414	0.000	98	16739	100.0	101.9	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	90	16398	5.00	5.10	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	17017	25.0	24.2	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	429462	50.0	49.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	92	46725	5.00	5.05	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	14210	5.00	5.11	
86 Ethyl methacrylate	69	7.170	7.170	0.000	89	11116	5.00	4.72	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	96	7904	5.00	5.01	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	12117	5.00	5.32	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	90	14722	5.00	5.09	
90 2-Hexanone	43	7.621	7.621	0.000	94	24069	25.0	25.5	
91 n-Butyl acetate	43	7.743	7.743	0.000	99	12604	5.00	4.85	
92 Chlorodibromomethane	129	7.786	7.786	0.000	98	10059	5.00	4.90	
93 Ethylene Dibromide	107	7.932	7.932	0.000	96	9543	5.00	5.19	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	84	339827	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	96	30041	5.00	5.11	
96 Ethylbenzene	106	8.621	8.621	0.000	97	15879	5.00	5.14	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.639	0.000	96	10672	5.00	4.94	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	19036	5.00	5.04	
100 n-Butyl acrylate	73	9.291	9.291	0.000	94	6637	5.00	4.48	
99 o-Xylene	106	9.291	9.291	0.000	96	19448	5.00	5.05	
101 Styrene	104	9.328	9.328	0.000	98	28489	5.00	4.93	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	14690	5.00	4.68	
102 Bromoform	173	9.566	9.566	0.000	65	6941	5.00	4.76	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	49426	5.00	5.23	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	139097	50.0	49.2	
106 Bromobenzene	156	10.084	10.084	0.000	94	13018	5.00	5.06	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	97	12417	5.00	5.26	
108 N-Propylbenzene	91	10.169	10.169	0.000	99	58953	5.00	5.28	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	96	3713	5.00	5.65	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.218	0.000	75	2664	5.00	4.96	a
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	39501	5.00	5.16	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	50286	5.00	5.30	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	40977	5.00	5.20	
114 4-Chlorotoluene	91	10.401	10.401	0.000	97	36597	5.00	5.20	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	12023	5.00	3.89	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	35048	5.00	5.06	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	96	43334	5.00	5.20	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	54834	5.00	5.22	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	98	26594	5.00	5.34	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	47261	5.00	5.25	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	192248	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	95	25977	5.00	5.17	
123 1,2,3-Trimethylbenzene	105	11.133	11.133	0.000	97	47015	5.00	5.20	
124 Benzyl chloride	91	11.248	11.248	0.000	99	21994	5.00	4.76	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	44645	5.00	5.14	
126 p-Diethylbenzene	119	11.370	11.370	0.000	94	30234	5.00	5.08	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	25033	5.00	5.25	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	25892	5.00	5.17	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.041	0.000	98	46442	5.00	5.02	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	2805	5.00	4.77	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	22817	5.00	5.14	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	22013	5.00	5.19	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	9112	5.00	5.17	
134 Naphthalene	128	12.925	12.925	0.000	100	50725	5.00	5.23	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	22003	5.00	5.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.5	
S 137 Xylenes, Total	100				0		10.0	10.1	
S 139 1,3-Dichloropropene, Total	1				0		10.0	10.2	
S 140 Total BTEX	1				0		25.0	25.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

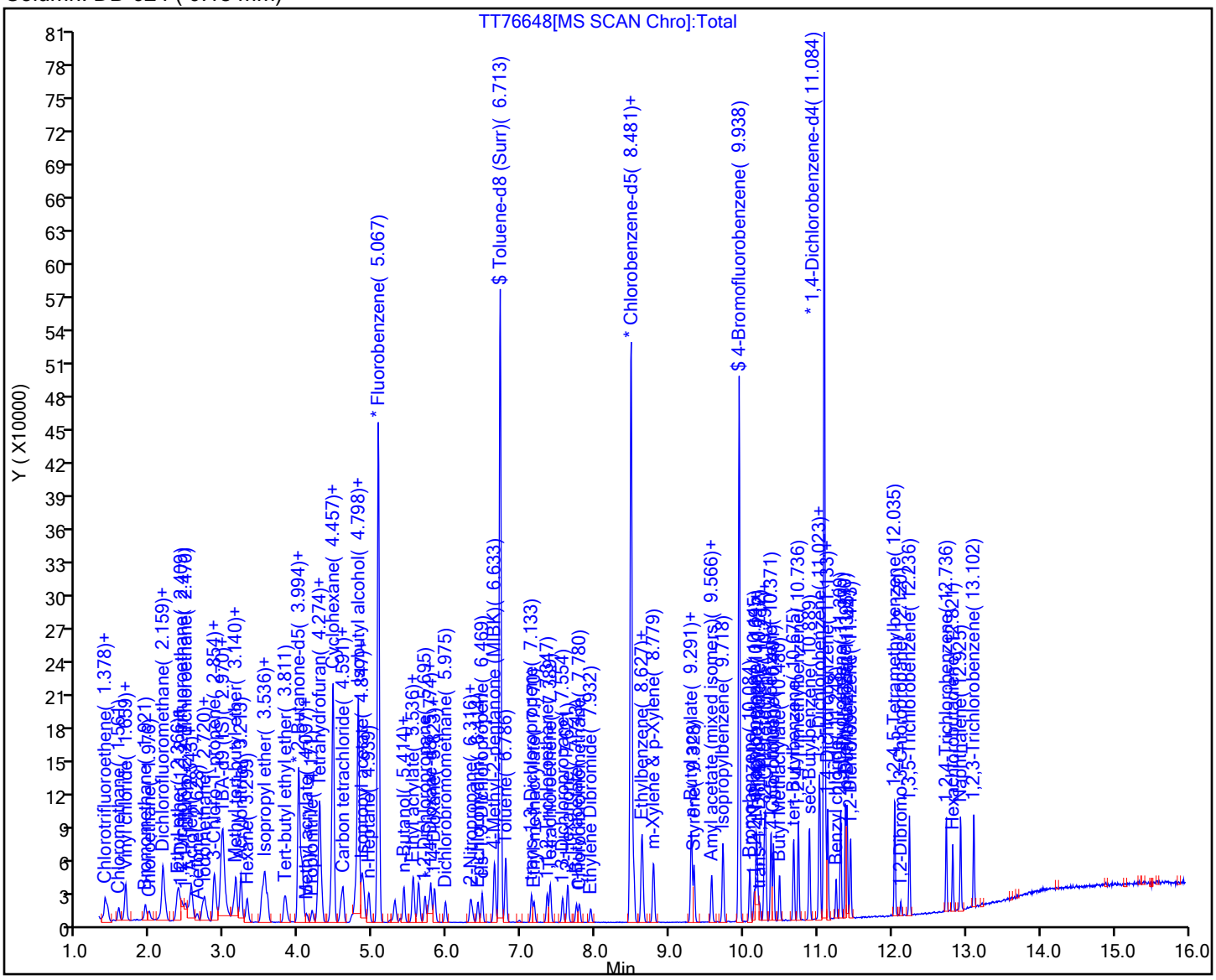
Reagents:

524FREONS_00015	Amount Added:	10.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	10.00	Units: uL	
GASES Li_00572	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:33 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

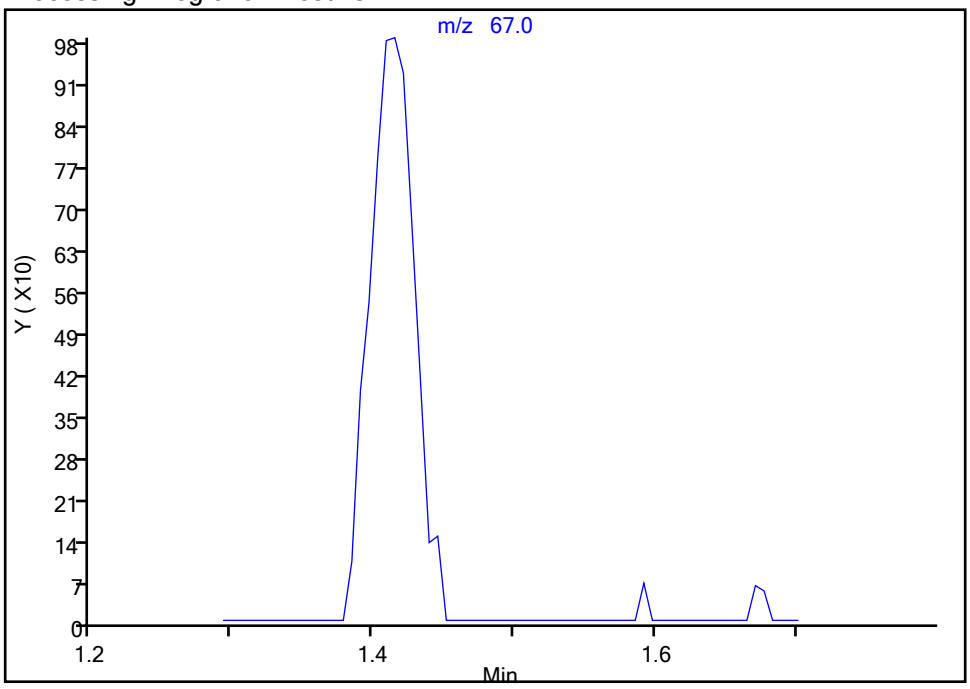
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

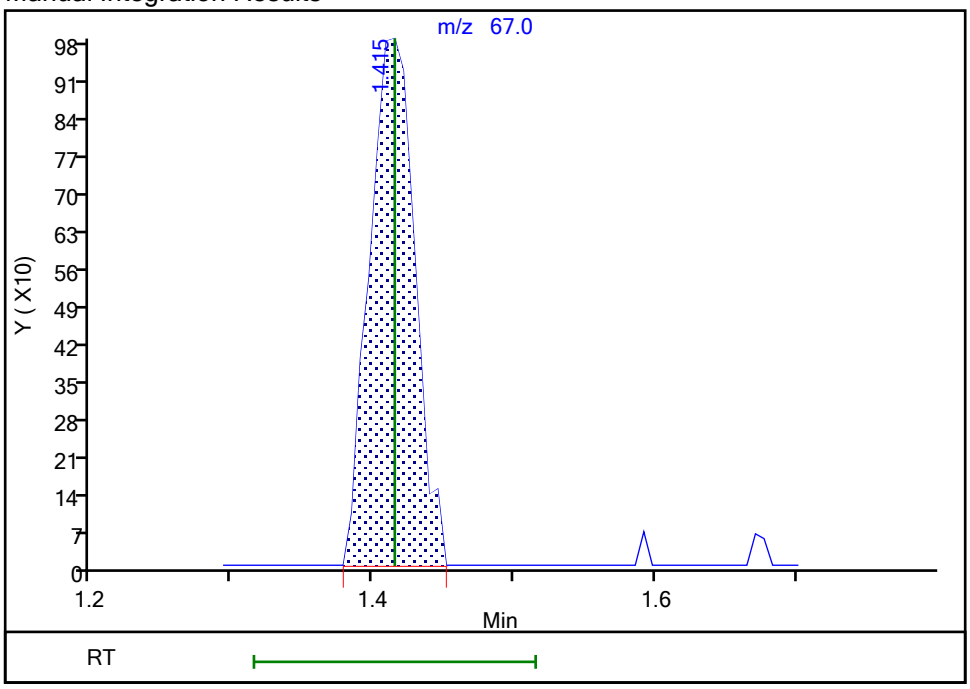
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 2218
Amount: 5.931837
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:08:53 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

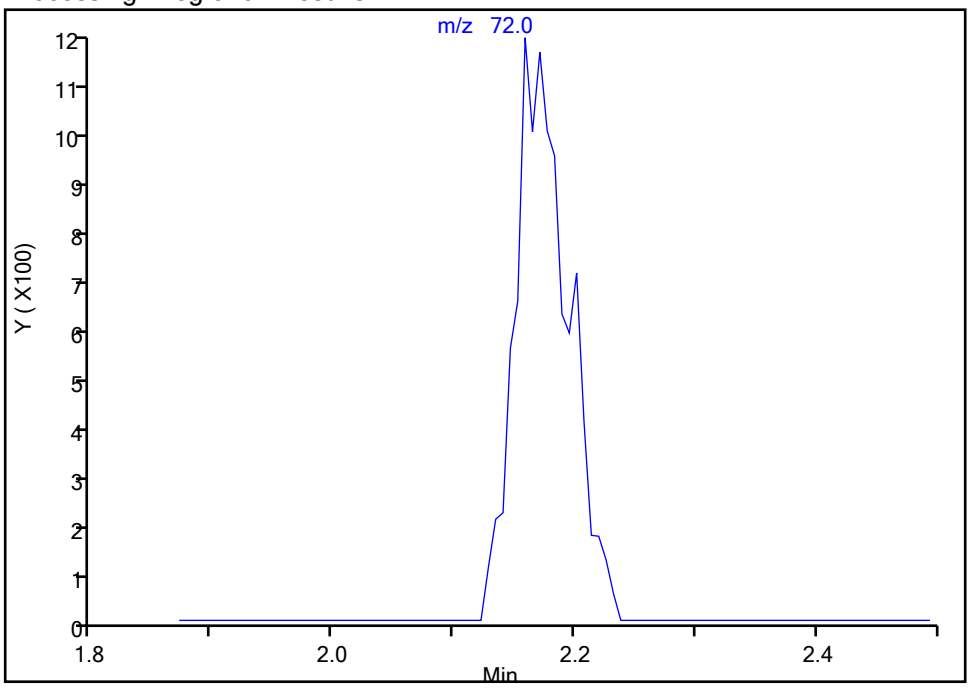
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Signal: 1

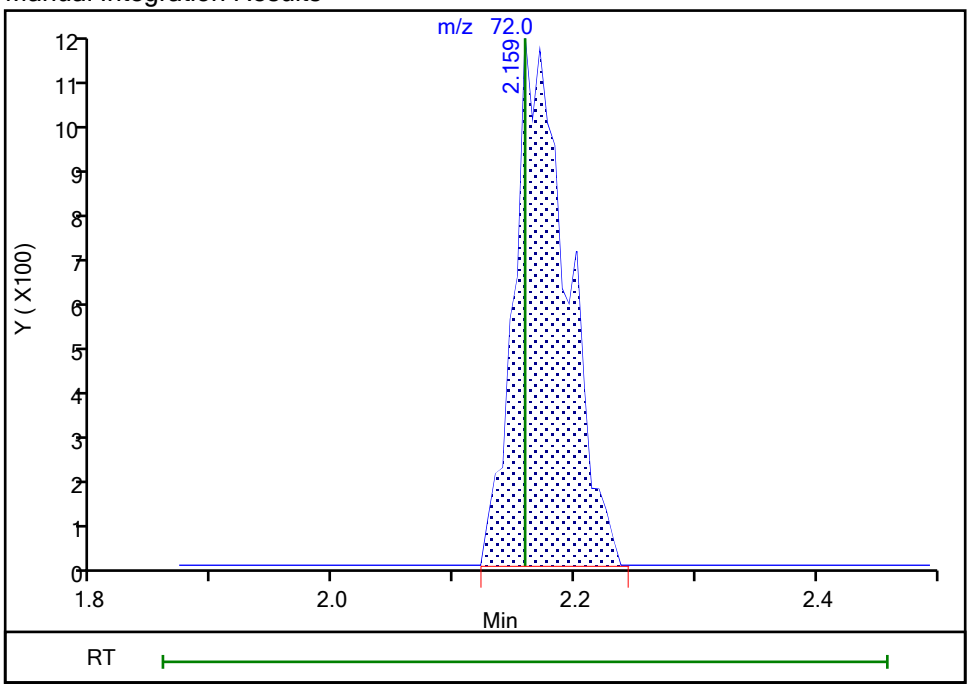
Not Detected
Expected RT: 2.16

Processing Integration Results



Manual Integration Results

RT: 2.16
Area: 3539
Amount: 16.484353
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

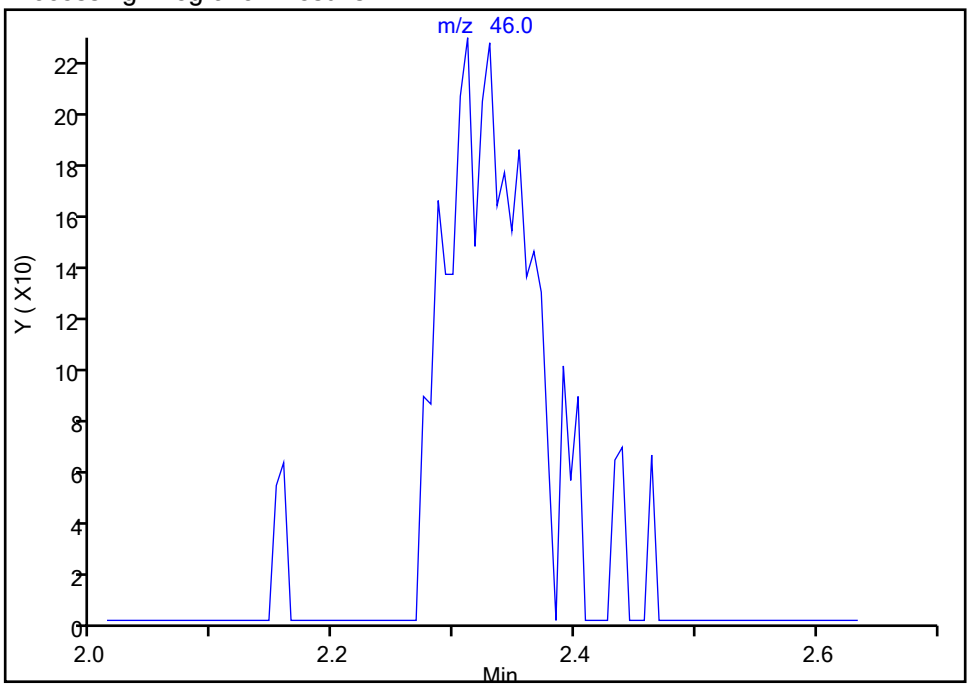
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

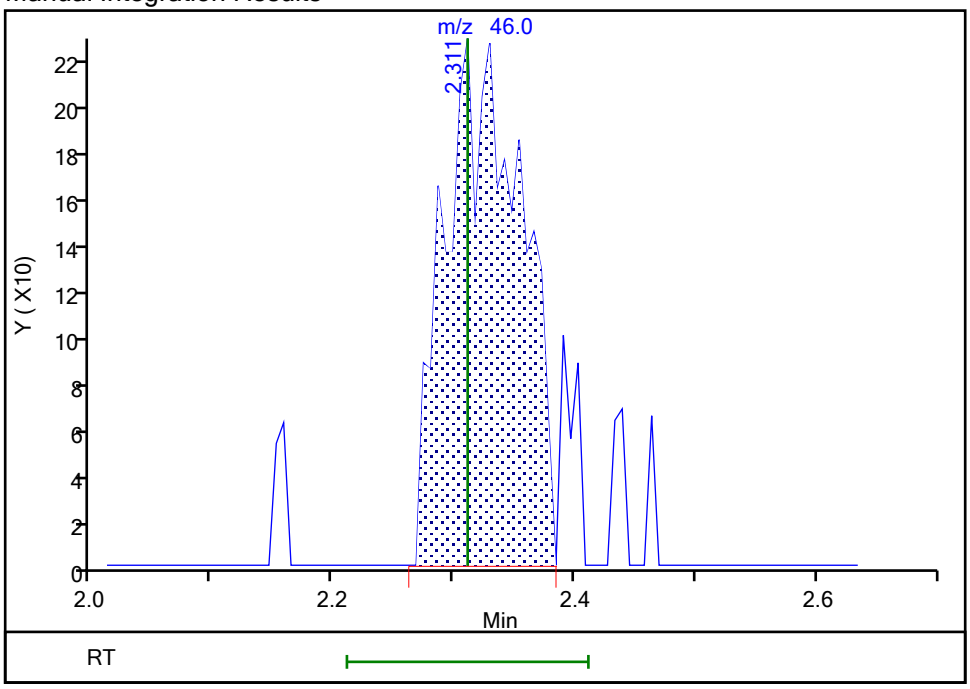
Not Detected
Expected RT: 2.31

Processing Integration Results



Manual Integration Results

RT: 2.31
Area: 1014
Amount: 158.9782
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

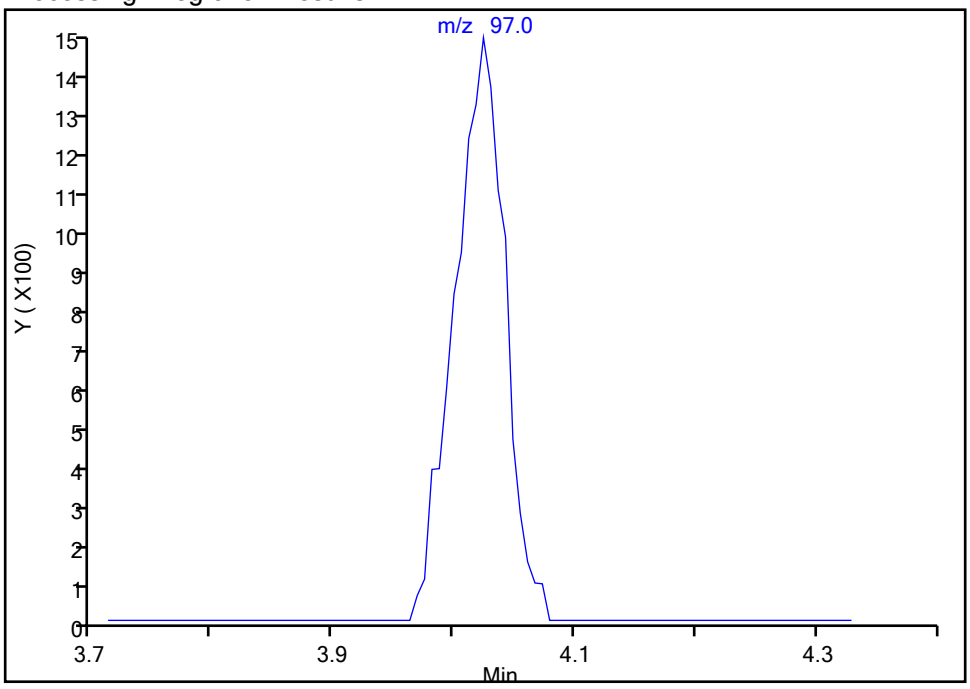
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

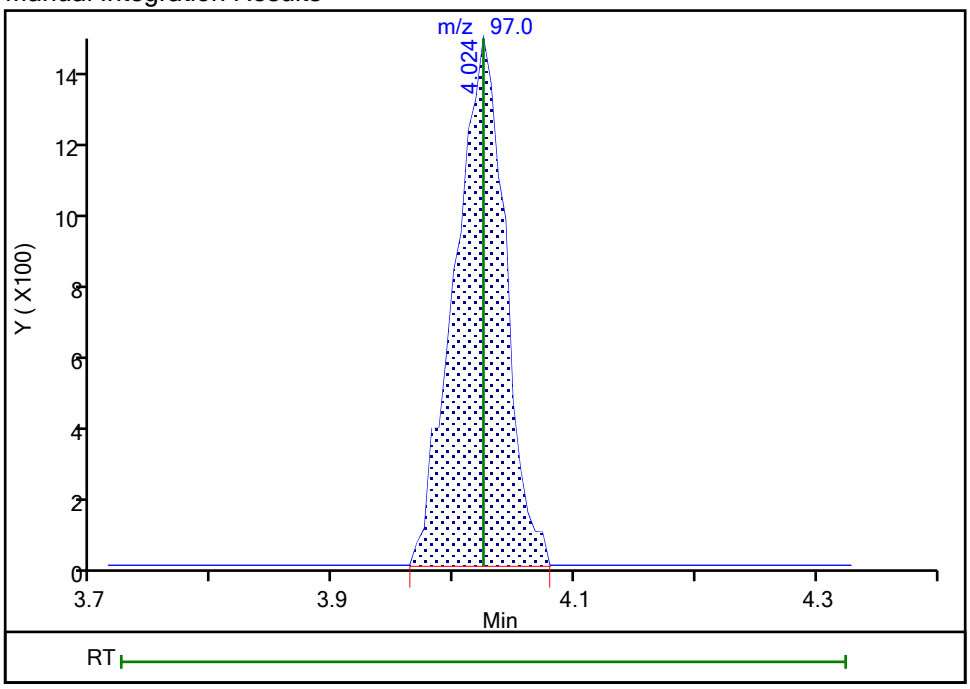
Not Detected
Expected RT: 4.02

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 4321
Amount: 5.706220
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:33 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

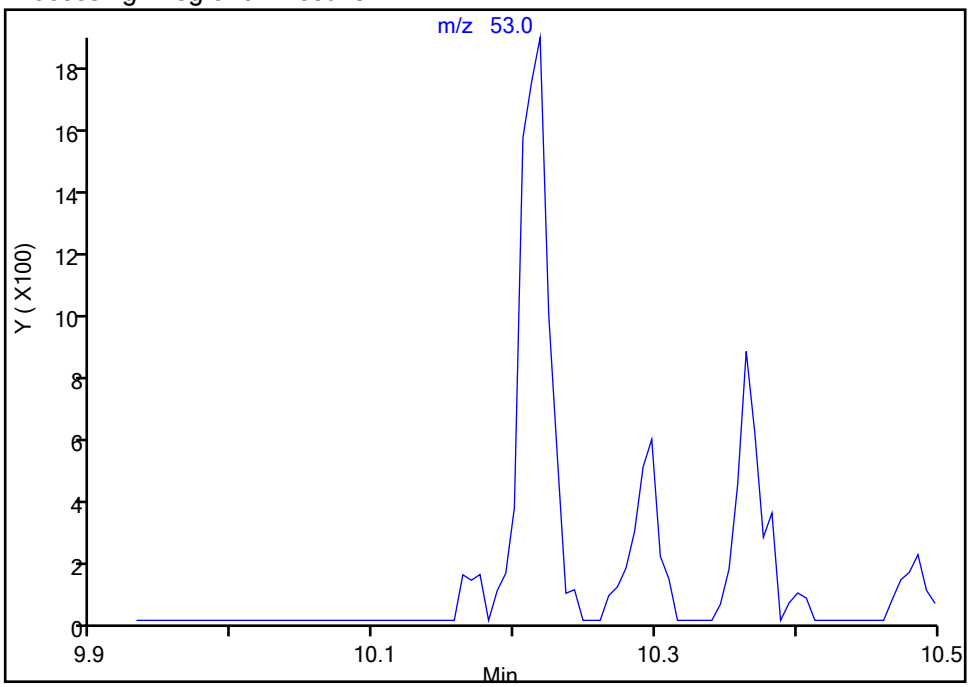
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

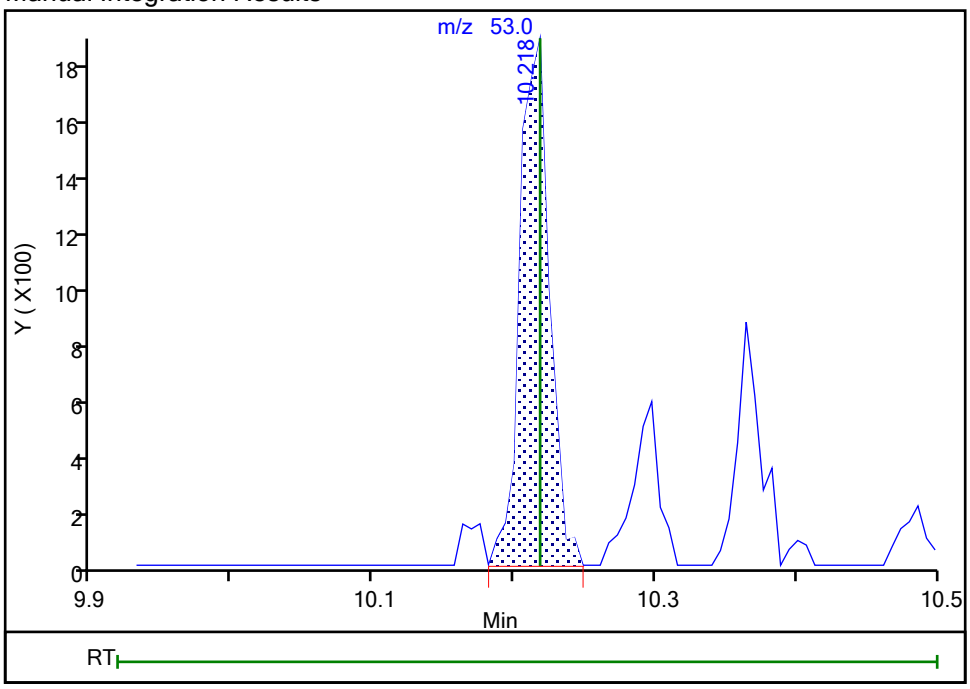
Not Detected
Expected RT: 10.22

Processing Integration Results



Manual Integration Results

RT: 10.22
Area: 2664
Amount: 4.959903
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:10:21 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 22-Feb-2024 08:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0172593-007
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:53 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:04:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.360	1.360	0.000	92	18859	20.0	24.2	
2 1,1-Difluoroethane	65	1.372	1.372	0.000	96	26241	20.0	24.7	
4 Dichlorodifluoromethane	85	1.390	1.390	0.000	97	60656	20.0	22.4	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	8639	20.0	23.4	a
6 Chloromethane	50	1.561	1.561	0.000	99	59896	20.0	20.8	
7 Vinyl chloride	62	1.647	1.647	0.000	98	57585	20.0	21.6	
8 Butadiene	54	1.659	1.659	0.000	94	51775	20.0	22.5	
9 Bromomethane	94	1.915	1.915	0.000	99	45244	20.0	22.6	
10 Chloroethane	64	1.970	1.970	0.000	100	32626	20.0	21.5	
11 Dichlorofluoromethane	67	2.146	2.146	0.000	99	95057	20.0	21.2	
13 Pentane	72	2.165	2.165	0.000	96	15628	40.0	74.3	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	55	67878	20.0	22.6	
14 Ethanol	46	2.348	2.348	0.000	92	4633	800.0	709.6	M
15 Ethyl ether	74	2.342	2.342	0.000	95	27805	20.0	20.2	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	95	36869	20.0	24.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.402	2.402	0.000	87	47927	20.0	22.5	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	89	71013	20.0	21.9	
19 Acrolein	56	2.506	2.506	0.000	95	15134	40.0	40.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.524	2.524	0.000	97	46929	20.0	24.1	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	96	46450	20.0	22.7	
22 Acetone	43	2.616	2.616	0.000	88	48000	100.0	98.4	
23 Iodomethane	142	2.689	2.689	0.000	96	94538	20.0	24.0	
25 Isopropyl alcohol	45	2.707	2.707	0.000	65	15808	200.0	194.8	a
24 Carbon disulfide	76	2.719	2.719	0.000	99	166302	20.0	22.6	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	97	30741	20.0	23.4	
27 Methyl acetate	43	2.848	2.848	0.000	97	58061	40.0	43.3	
28 Cyclopentene	67	2.860	2.860	0.000	92	95808	20.0	24.3	
29 Acetonitrile	41	2.896	2.896	0.000	98	55973	200.0	230.6	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	27115	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	89	55721	20.0	23.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	97	31436	200.0	215.5	
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	98	138251	20.0	22.1	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	92	51758	20.0	22.7	
35 Acrylonitrile	53	3.207	3.207	0.000	96	161965	200.0	222.4	
36 Hexane	57	3.293	3.293	0.000	91	59288	20.0	24.0	
37 Isopropyl ether	45	3.500	3.500	0.000	95	144466	20.0	22.0	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	82610	20.0	22.9	
39 Vinyl acetate	86	3.543	3.543	0.000	100	16518	40.0	41.4	
40 2-Chloro-1,3-butadiene	88	3.567	3.567	0.000	88	40460	20.0	23.2	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	89	141667	20.0	22.8	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	178610	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.012	0.000	92	17214	20.0	23.1	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	55768	20.0	22.7	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	21768	100.0	111.5	
46 Ethyl acetate	70	4.049	4.049	0.000	95	8829	40.0	42.6	
47 Methyl acrylate	55	4.097	4.097	0.000	100	35420	20.0	22.0	
48 Propionitrile	54	4.170	4.170	0.000	98	54024	200.0	211.6	
50 Tetrahydrofuran	72	4.244	4.244	0.000	58	11029	40.0	40.5	
49 Chlorobromomethane	128	4.250	4.250	0.000	88	27740	20.0	22.5	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	180036	200.0	225.5	
52 Chloroform	83	4.298	4.298	0.000	99	80479	20.0	22.7	
53 Cyclohexane	84	4.439	4.439	0.000	89	69310	20.0	25.6	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	97	69766	20.0	23.1	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	115212	50.0	50.5	
56 Carbon tetrachloride	117	4.561	4.561	0.000	97	61007	20.0	23.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	99	59837	20.0	23.1	
58 Isobutyl alcohol	43	4.707	4.707	0.000	96	23919	500.0	432.1	
59 Isooctane	57	4.756	4.756	0.000	99	161234	20.0	24.4	
60 Benzene	78	4.786	4.786	0.000	96	188420	20.0	23.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	108970	50.0	48.5	
63 Isopropyl acetate	61	4.841	4.841	0.000	96	22529	20.0	22.6	M
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	91	142623	20.0	22.7	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	96	52940	20.0	22.2	
65 n-Heptane	100	4.932	4.932	0.000	89	11059	20.0	21.5	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	440754	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	87	13859	500.0	425.2	
68 Trichloroethene	95	5.408	5.408	0.000	96	47873	20.0	22.7	
69 Methylcyclohexane	83	5.536	5.536	0.000	82	78789	20.0	25.0	
70 Ethyl acrylate	99	5.536	5.536	0.000	96	6593	20.0	23.4	
71 1,2-Dichloropropane	63	5.695	5.695	0.000	94	45885	20.0	22.1	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	20567	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	88	22669	40.0	45.5	
75 1,4-Dioxane	88	5.804	5.804	0.000	80	6152	400.0	395.2	
74 Dibromomethane	93	5.823	5.823	0.000	96	29063	20.0	23.0	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	49567	20.0	21.5	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	57128	20.0	22.0	
78 2-Nitropropane	41	6.310	6.310	0.000	79	15760	40.0	40.3	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	87	26838	20.0	22.0	
80 Epichlorohydrin	57	6.408	6.408	0.000	100	69217	400.0	428.3	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	73024	20.0	23.1	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	77410	100.0	111.8	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	428516	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195060	20.0	21.5	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	62100	20.0	22.7	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	50628	20.0	21.9	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	96	33788	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	50436	20.0	22.6	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	90	64668	20.0	22.8	
90 2-Hexanone	43	7.621	7.621	0.000	94	105938	100.0	114.3	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	55224	20.0	21.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	44992	20.0	22.3	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	39681	20.0	22.0	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	84	333574	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	98	129225	20.0	22.4	
96 Ethylbenzene	106	8.621	8.621	0.000	98	68476	20.0	22.6	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	96	48599	20.0	22.9	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	83498	20.0	22.5	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	30404	20.0	20.9	
99 o-Xylene	106	9.297	9.297	0.000	95	85338	20.0	22.6	
101 Styrene	104	9.328	9.328	0.000	97	130099	20.0	22.9	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	68015	20.0	22.2	
102 Bromoform	173	9.566	9.566	0.000	62	29799	20.0	20.8	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	217862	20.0	23.5	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	137847	50.0	49.7	
106 Bromobenzene	156	10.084	10.084	0.000	94	57705	20.0	23.0	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	52679	20.0	22.9	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	257485	20.0	23.7	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	97	14562	20.0	22.7	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	86	11779	20.0	22.5	a
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	172773	20.0	23.2	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	214511	20.0	23.2	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	183551	20.0	23.9	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	154422	20.0	22.5	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	56671	20.0	18.8	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	156540	20.0	23.2	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	194223	20.0	23.9	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	243886	20.0	23.8	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	109770	20.0	22.6	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	211909	20.0	24.1	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	187435	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	97	111336	20.0	22.7	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	97	206181	20.0	23.4	
124 Benzyl chloride	91	11.248	11.248	0.000	99	98213	20.0	21.8	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	199214	20.0	23.5	
126 p-Diethylbenzene	119	11.370	11.370	0.000	96	136676	20.0	23.5	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	109145	20.0	23.5	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	111941	20.0	22.9	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	214573	20.0	23.8	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	93	12610	20.0	22.0	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	100918	20.0	23.3	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	96772	20.0	23.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	41330	20.0	24.1	
134 Naphthalene	128	12.925	12.925	0.000	99	225679	20.0	23.9	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	95965	20.0	23.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	45.4	
S 137 Xylenes, Total	100				0		40.0	45.1	
S 139 1,3-Dichloropropene, Total	1				0		40.0	45.9	
S 140 Total BTEX	1				0		100.0	112.1	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added:	20.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	20.00	Units: uL	
GASES Li_00572	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:54 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D

Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17

Lims ID: STD20

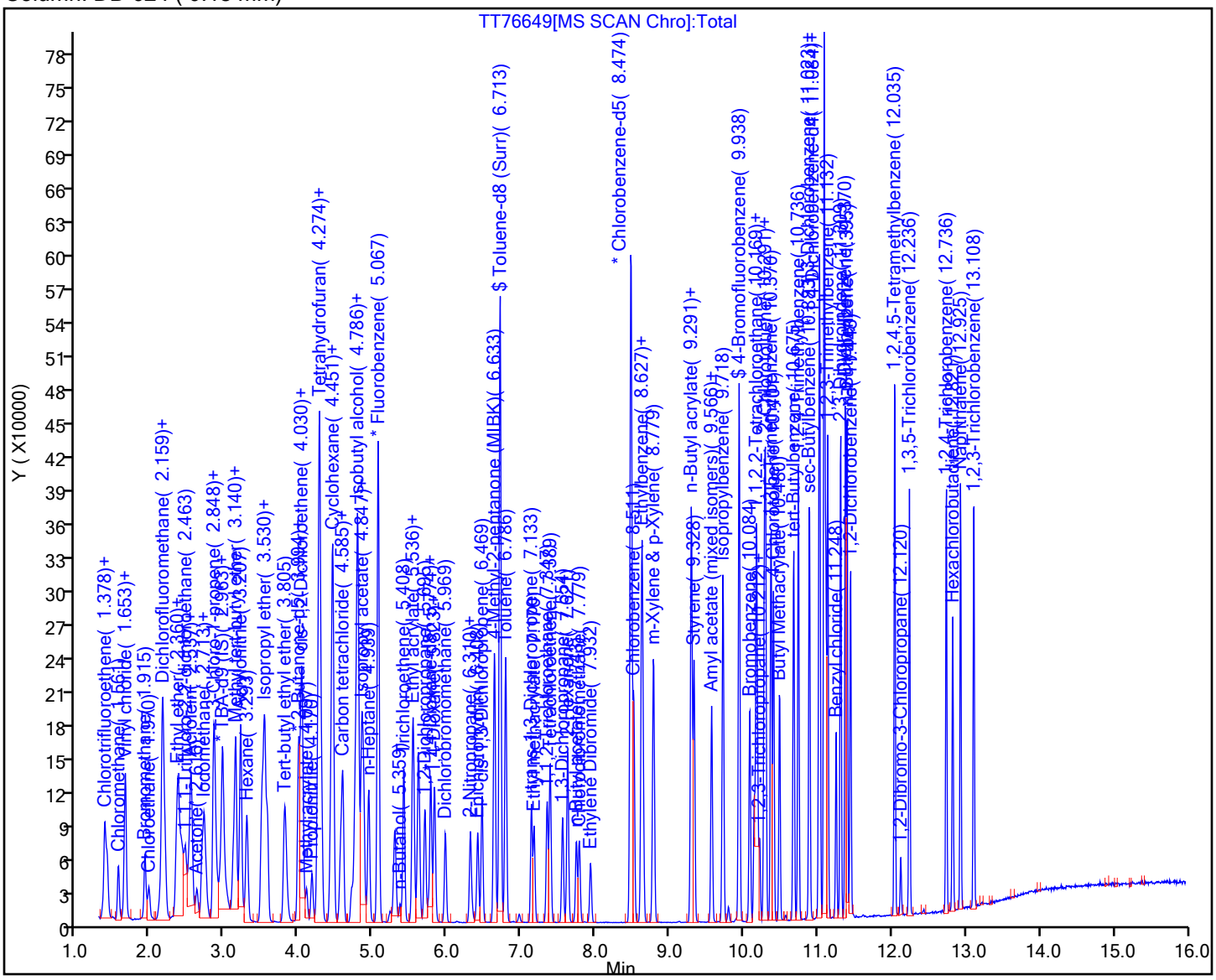
Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

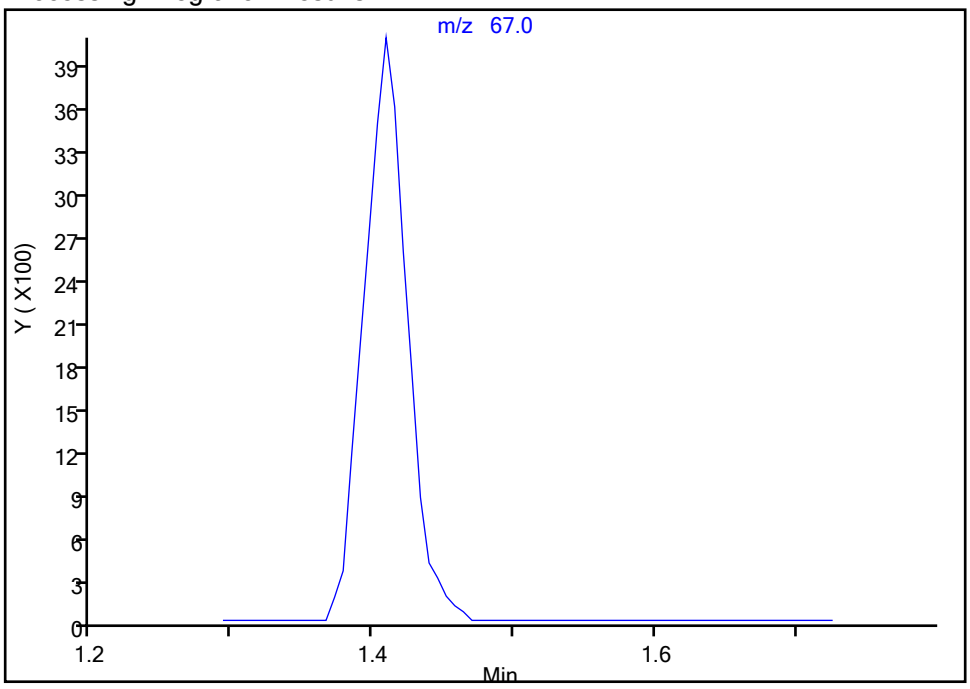
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

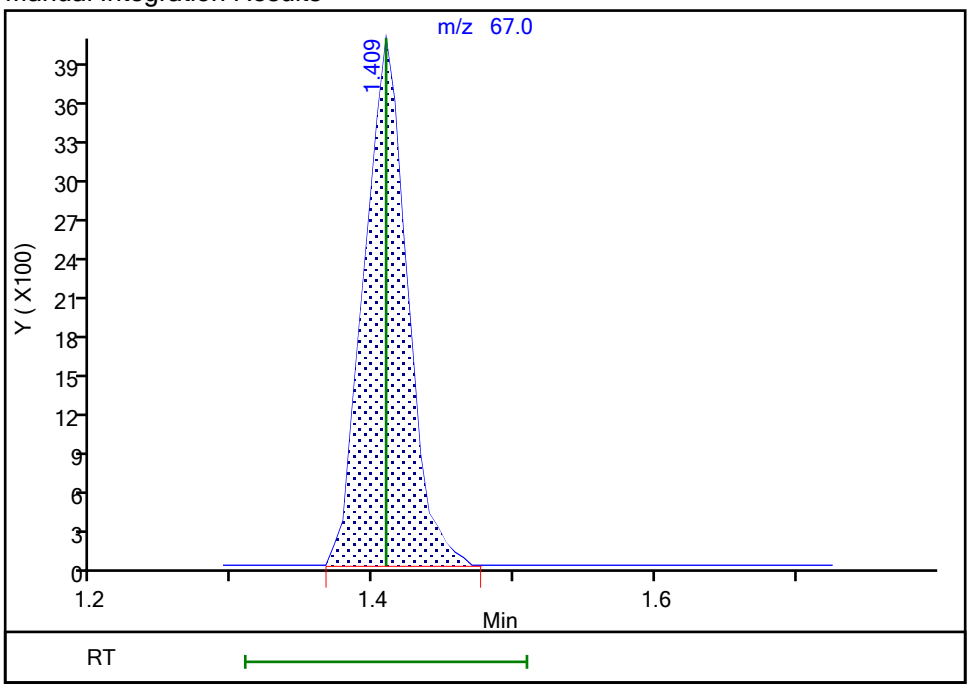
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 8639
Amount: 23.445831
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:06:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

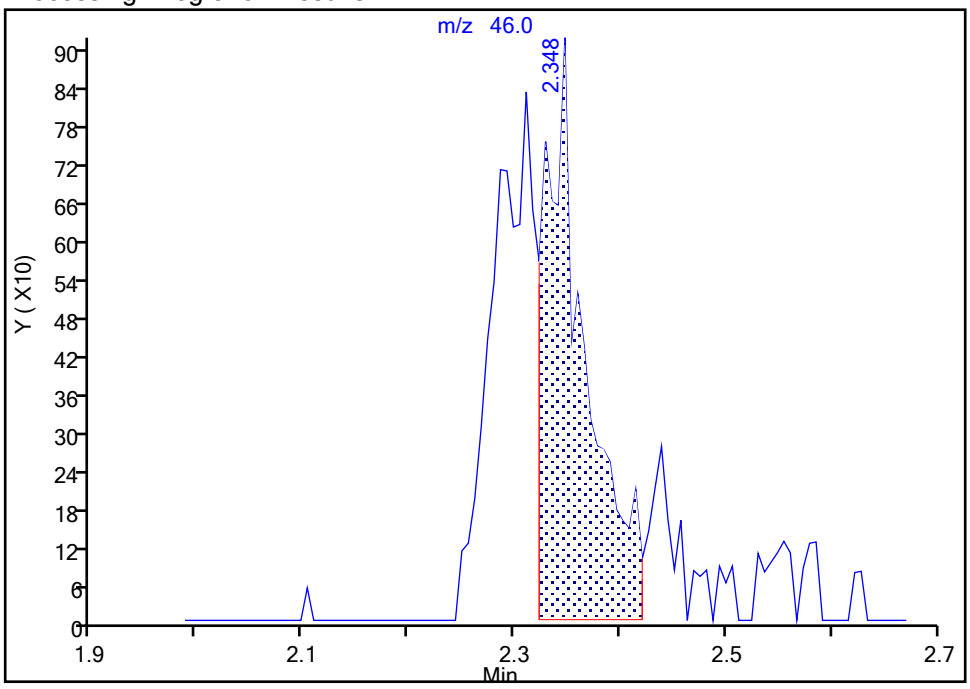
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

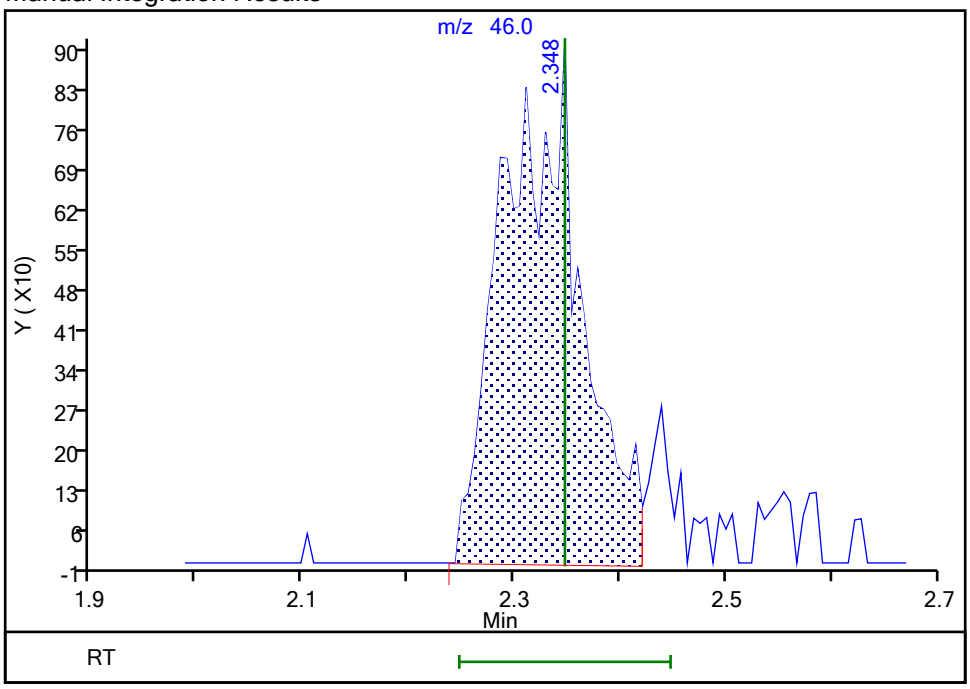
Processing Integration Results

RT: 2.35
Area: 2482
Amount: 386.2946
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 4633
Amount: 709.5536
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:06 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

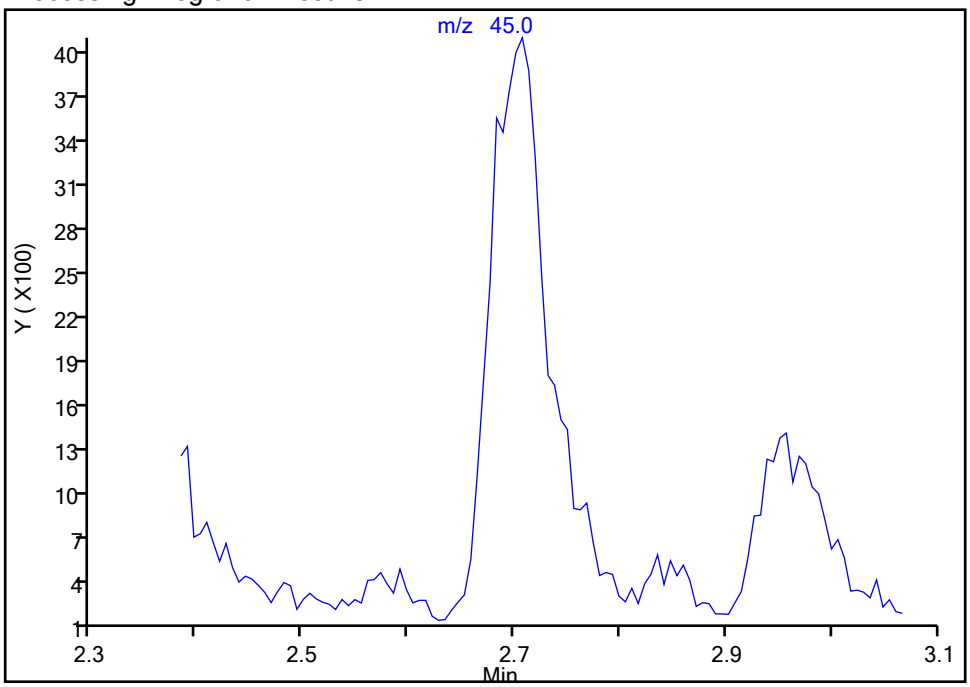
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

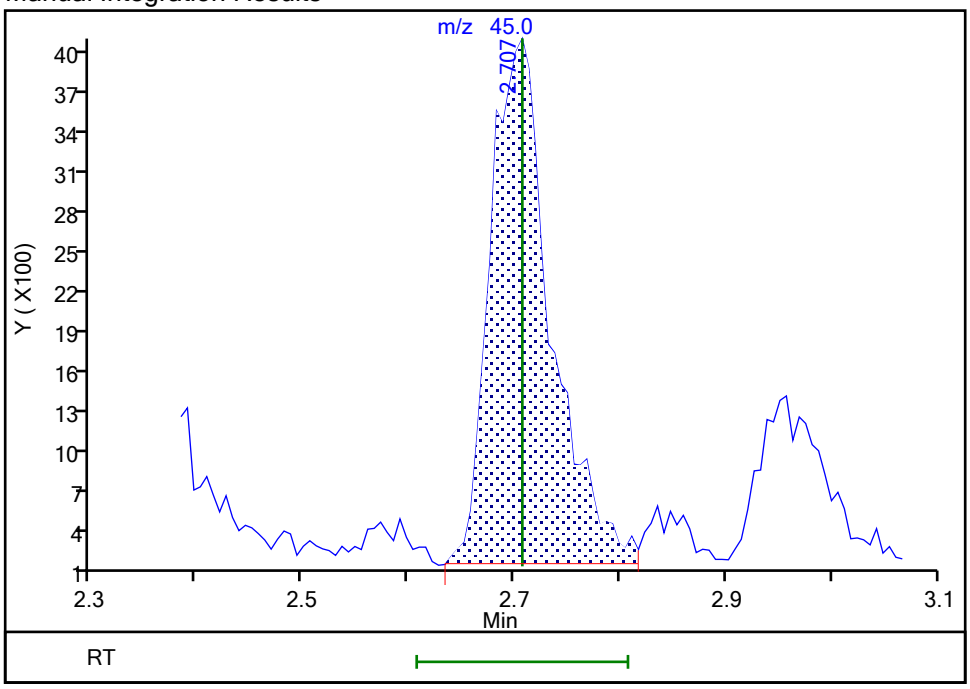
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 15808
Amount: 194.8126
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

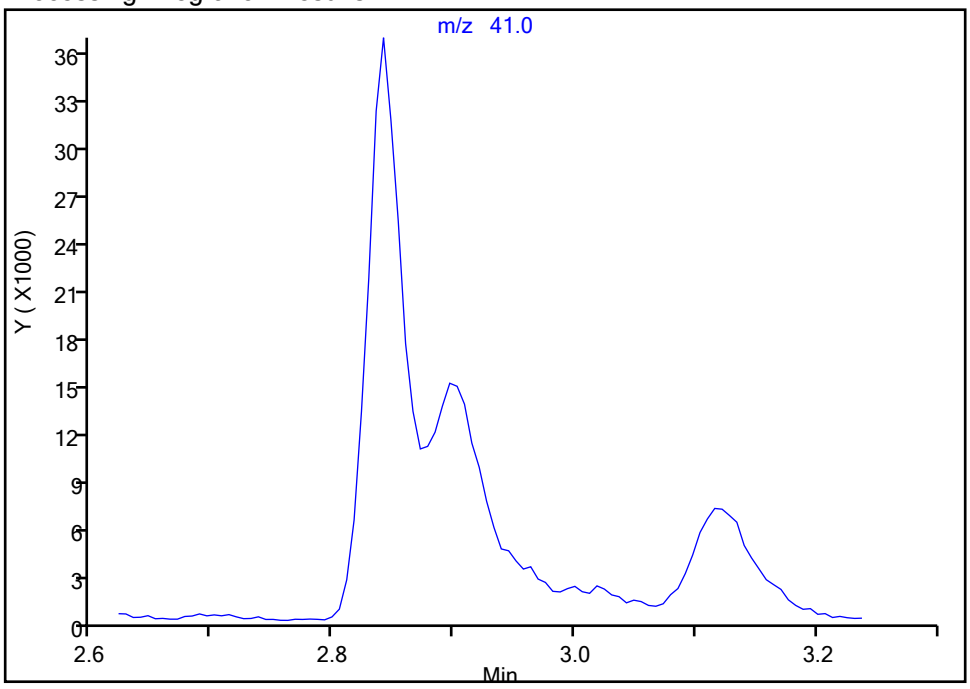
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

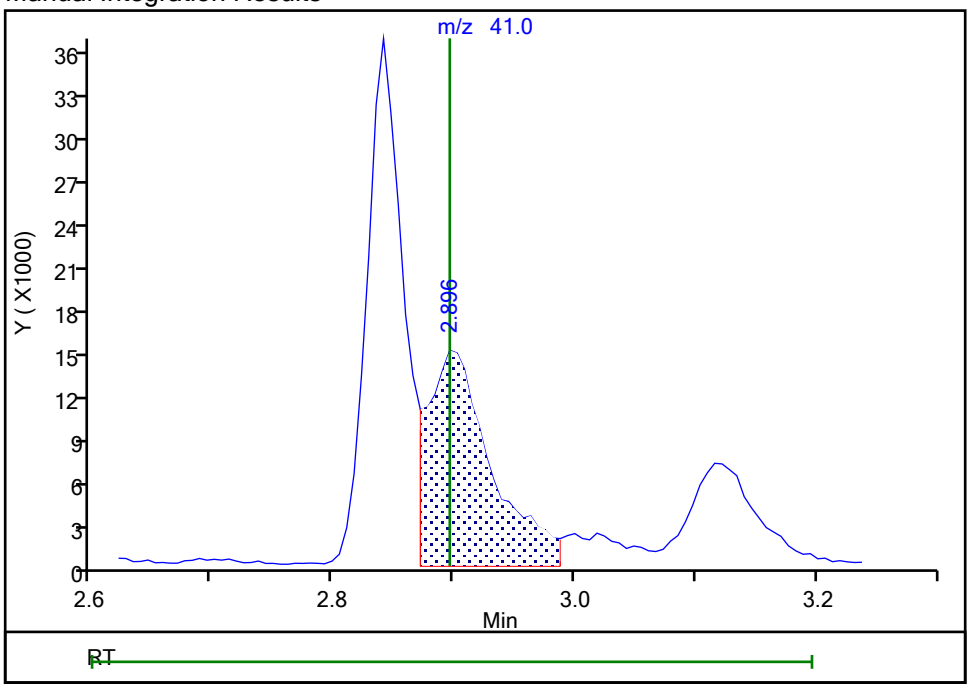
Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results

RT: 2.90
Area: 55973
Amount: 230.6367
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:23 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

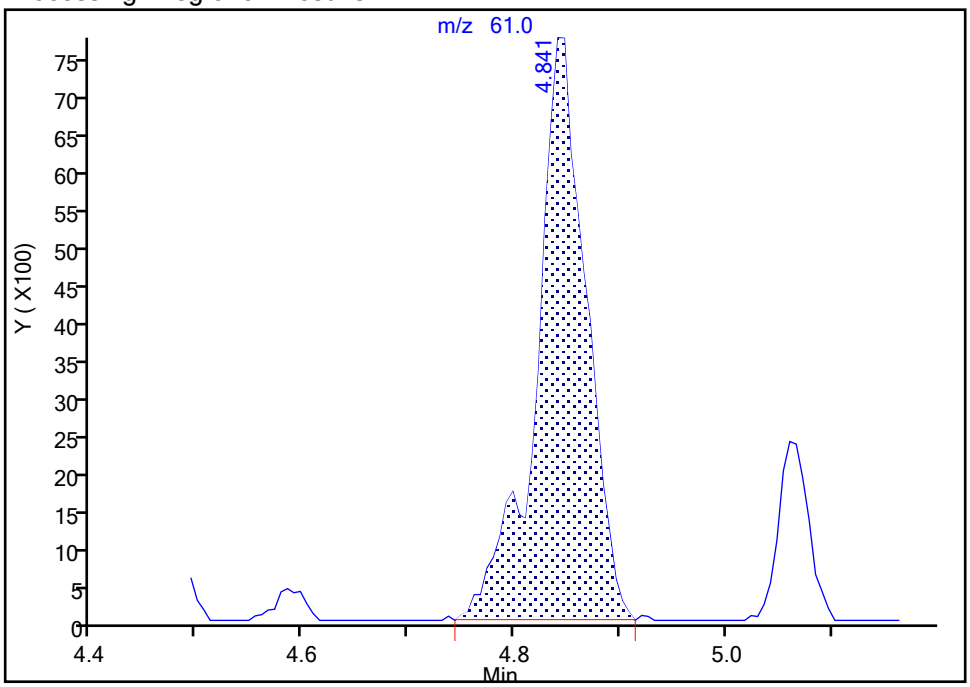
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

63 Isopropyl acetate, CAS: 108-21-4

Signal: 1

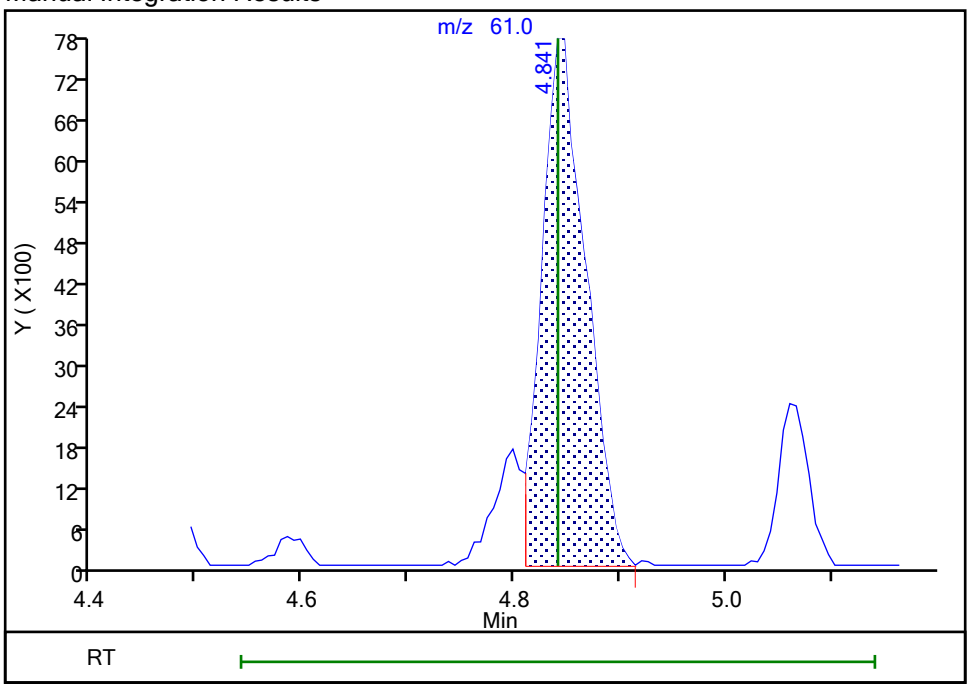
Processing Integration Results

RT: 4.84
Area: 25534
Amount: 23.333453
Amount Units: ug/l



Manual Integration Results

RT: 4.84
Area: 22529
Amount: 22.642550
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 17:52:54 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

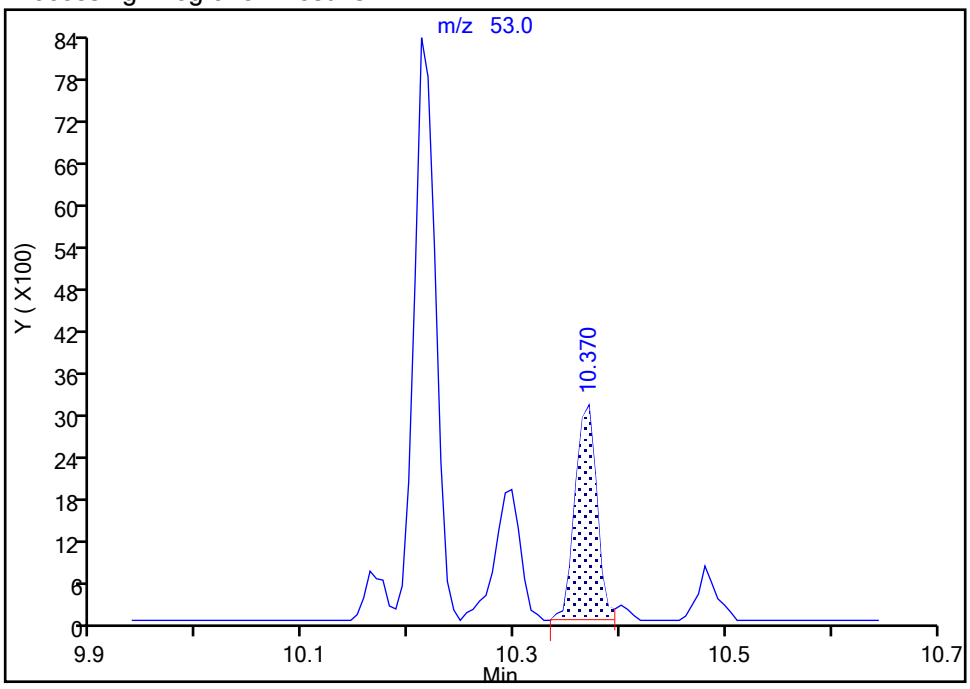
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

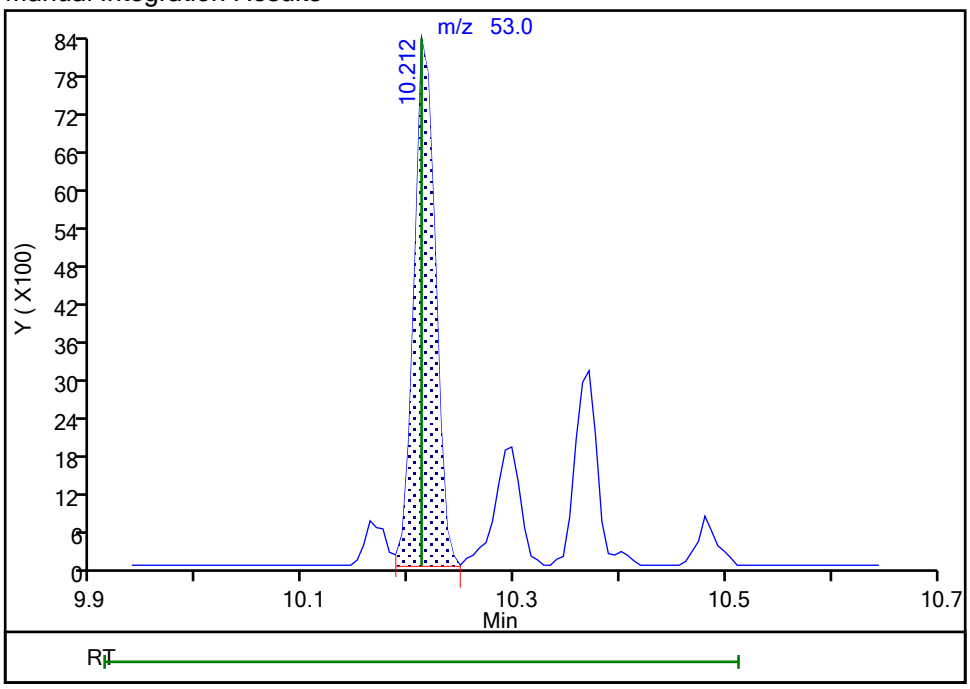
Processing Integration Results

RT: 10.37
Area: 4445
Amount: 8.338153
Amount Units: ug/l



Manual Integration Results

RT: 10.21
Area: 11779
Amount: 22.493575
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:10:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Feb-2024 09:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0172593-008
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:29:16 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:24:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	84	46464	50.0	57.0	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	96	65686	50.0	59.1	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	98	139871	50.0	49.4	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	97	22145	50.0	57.4	a
6 Chloromethane	50	1.567	1.561	0.006	99	147330	50.0	48.9	
7 Vinyl chloride	62	1.653	1.647	0.006	98	144612	50.0	51.8	
8 Butadiene	54	1.665	1.659	0.006	95	124350	50.0	51.7	
9 Bromomethane	94	1.927	1.915	0.012	99	108512	50.0	51.7	
10 Chloroethane	64	1.982	1.970	0.012	99	80805	50.0	50.9	
11 Dichlorofluoromethane	67	2.159	2.146	0.013	99	248768	50.0	53.0	
13 Pentane	72	2.171	2.165	0.006	97	35292	100.0	161.5	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	55	167212	50.0	53.1	
15 Ethyl ether	74	2.348	2.342	0.006	95	73042	50.0	50.8	
14 Ethanol	46	2.329	2.348	-0.019	85	14457	2000.0	2185.3	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	94	92836	50.0	58.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	83	121624	50.0	54.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	91	180842	50.0	53.4	
19 Acrolein	56	2.512	2.506	0.006	94	37977	100.0	97.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.524	0.012	97	111747	50.0	54.8	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	96	114860	50.0	53.6	
22 Acetone	43	2.622	2.616	0.006	88	126850	250.0	240.4	
23 Iodomethane	142	2.701	2.689	0.012	96	239077	50.0	57.9	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	79	42181	500.0	513.1	a
24 Carbon disulfide	76	2.732	2.719	0.013	98	410317	50.0	53.3	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	94	81443	50.0	59.3	
27 Methyl acetate	43	2.854	2.848	0.006	98	153987	100.0	109.8	
28 Cyclopentene	67	2.872	2.860	0.012	92	234567	50.0	56.7	
29 Acetonitrile	41	2.902	2.896	0.006	97	134369	500.0	509.7	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	27473	1000.0	1000.0	
30 Methylene Chloride	84	2.975	2.969	0.006	89	140238	50.0	56.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	98	83354	500.0	564.0	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	350561	50.0	53.6	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	130812	50.0	54.9	
35 Acrylonitrile	53	3.213	3.207	0.006	95	421926	500.0	553.4	
36 Hexane	57	3.299	3.293	0.006	92	136281	50.0	52.7	
37 Isopropyl ether	45	3.506	3.500	0.006	94	371844	50.0	54.2	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	211542	50.0	56.0	
39 Vinyl acetate	86	3.542	3.543	0.000	100	47623	100.0	110.0	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	88	102771	50.0	56.2	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	362003	50.0	55.5	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	194000	250.0	250.0	
43 2,2-Dichloropropane	97	4.030	4.012	0.018	91	44273	50.0	56.7	a
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	99	142145	50.0	55.2	
45 2-Butanone (MEK)	72	4.048	4.042	0.006	97	58455	250.0	275.8	
46 Ethyl acetate	70	4.055	4.049	0.006	95	24139	100.0	107.2	
47 Methyl acrylate	55	4.103	4.097	0.006	100	94719	50.0	56.1	
48 Propionitrile	54	4.176	4.170	0.006	98	141983	500.0	549.0	
50 Tetrahydrofuran	72	4.250	4.244	0.006	90	28281	100.0	96.2	
49 Chlorobromomethane	128	4.256	4.250	0.006	83	72322	50.0	56.0	
51 Methacrylonitrile	67	4.280	4.274	0.006	89	462967	500.0	553.9	
52 Chloroform	83	4.304	4.298	0.006	99	203531	50.0	54.9	
53 Cyclohexane	84	4.439	4.439	0.000	90	162169	50.0	57.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	97	173815	50.0	54.9	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	119602	50.0	50.1	
56 Carbon tetrachloride	117	4.567	4.561	0.006	97	151239	50.0	55.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	151668	50.0	55.9	
58 Isobutyl alcohol	43	4.713	4.707	0.006	95	70853	1250.0	1261.9	
59 Isooctane	57	4.768	4.756	0.012	98	380995	50.0	55.0	
60 Benzene	78	4.786	4.786	0.000	96	475542	50.0	55.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	116573	50.0	49.5	
63 Isopropyl acetate	61	4.841	4.841	0.000	97	61421	50.0	59.0	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	92	368459	50.0	56.0	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	95	137231	50.0	54.9	
65 n-Heptane	100	4.945	4.932	0.013	90	26698	50.0	52.3	
* 66 Fluorobenzene	96	5.067	5.067	-0.001	99	461367	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	88	43974	1250.0	1307.1	
68 Trichloroethene	95	5.414	5.408	0.006	96	120996	50.0	54.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	80	187047	50.0	56.6	
70 Ethyl acrylate	99	5.536	5.536	0.000	98	16392	50.0	55.3	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	95	119454	50.0	55.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	21666	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	86	59256	100.0	113.6	
75 1,4-Dioxane	88	5.804	5.804	0.000	83	17131	1000.0	1044.6	
74 Dibromomethane	93	5.822	5.823	-0.001	95	73096	50.0	55.2	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	132261	50.0	54.9	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	148381	50.0	54.7	
78 2-Nitropropane	41	6.304	6.310	-0.006	79	40526	100.0	100.4	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	84	69080	50.1	54.2	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	186818	1000.0	1064.4	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	189200	50.0	56.8	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	209719	250.0	278.9	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	446329	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	491351	50.0	51.3	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	159352	50.0	55.4	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	139205	50.0	57.2	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	88078	50.0	54.0	
88 Tetrachloroethene	166	7.389	7.389	0.000	96	129555	50.0	55.0	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	165331	50.0	55.3	
90 2-Hexanone	43	7.621	7.621	0.000	95	293195	250.0	291.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	150433	50.0	56.0	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	118134	50.0	55.7	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	103927	50.0	54.6	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	83	351463	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	329254	50.0	54.2	
96 Ethylbenzene	106	8.621	8.621	0.000	97	175066	50.0	54.8	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	124892	50.0	55.9	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	214625	50.0	55.0	
100 n-Butyl acrylate	73	9.291	9.291	0.000	97	87631	50.0	57.2	
99 o-Xylene	106	9.291	9.297	-0.006	95	225046	50.0	56.5	
101 Styrene	104	9.328	9.328	0.000	96	343590	50.0	57.5	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	193968	50.0	57.6	
102 Bromoform	173	9.566	9.566	0.000	62	81935	50.0	54.4	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	554290	50.0	56.8	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	95	151064	50.0	51.7	
106 Bromobenzene	156	10.084	10.084	0.000	94	149777	50.0	54.3	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	137709	50.0	54.4	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	656751	50.0	54.9	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	97	38173	50.0	54.2	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	94	31867	50.0	55.3	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	442595	50.0	53.9	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	557180	50.0	54.8	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	471789	50.0	55.9	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	401390	50.0	53.2	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	165188	50.0	49.9	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	411412	50.0	55.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	495742	50.0	55.5	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	619285	50.0	55.0	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	288936	50.0	54.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	549028	50.0	56.8	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	206193	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	97	297344	50.0	55.1	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	527813	50.0	54.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	274027	50.0	55.3	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	517796	50.0	55.6	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	350024	50.0	54.8	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	280387	50.0	54.8	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	290480	50.0	54.1	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	554976	50.0	55.9	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	91	34811	50.0	55.2	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	258565	50.0	54.3	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	251987	50.0	55.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	103797	50.0	54.9	
134 Naphthalene	128	12.925	12.925	0.000	99	586621	50.0	56.4	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	246195	50.0	55.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		100.0	110.1	
S 137 Xylenes, Total	100				0		100.0	111.4	
S 139 1,3-Dichloropropene, Total	1				0		100.0	112.2	
S 140 Total BTEX	1				0		250.0	272.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

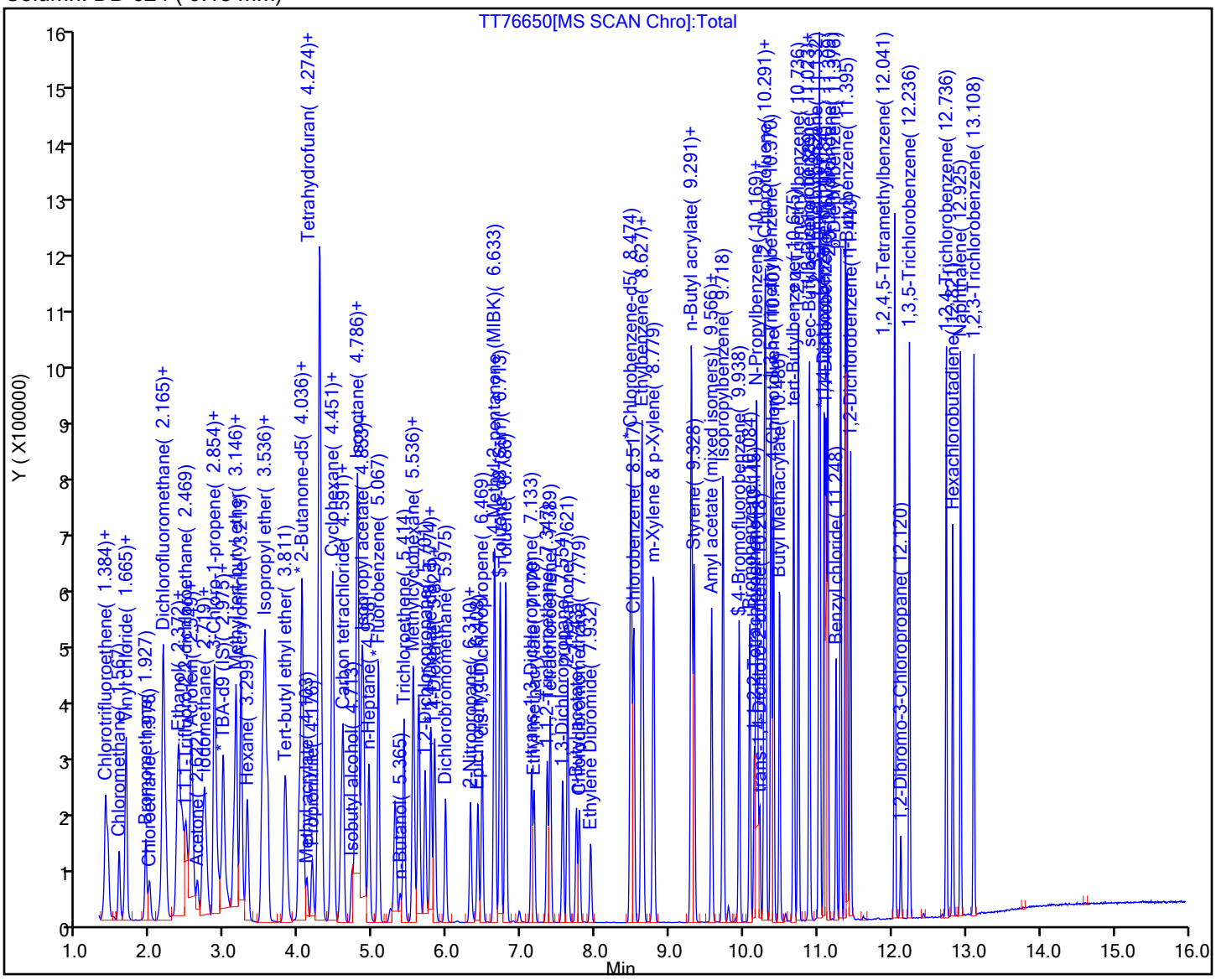
Reagents:

ACROLEIN W_00165	Amount Added:	10.00	Units: uL	
524FREONS_00015	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	50.00	Units: uL	
GASES Li_00572	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:29:17 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

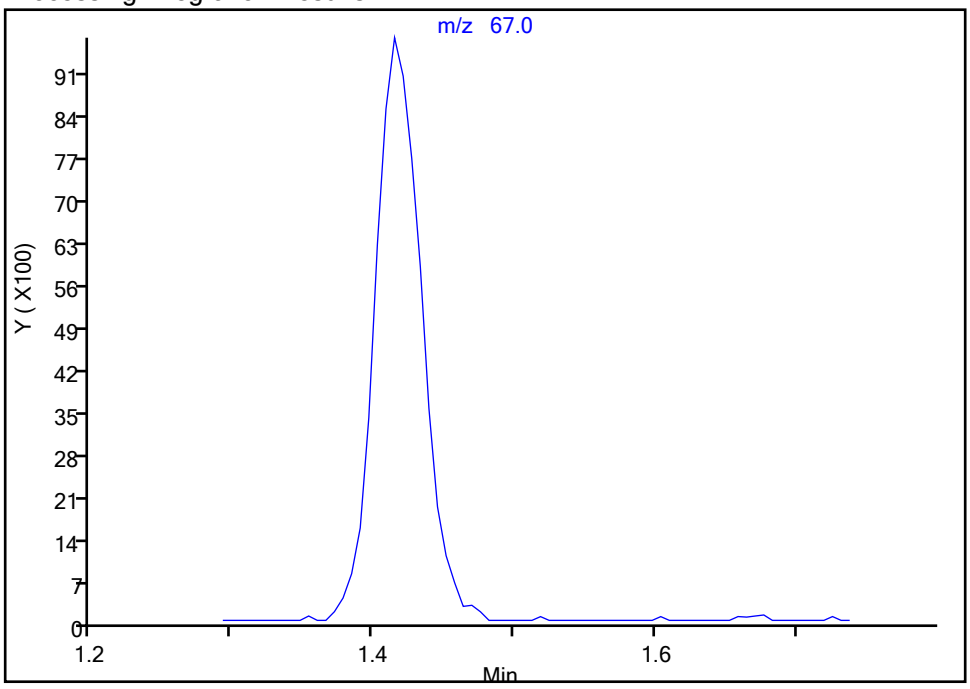
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

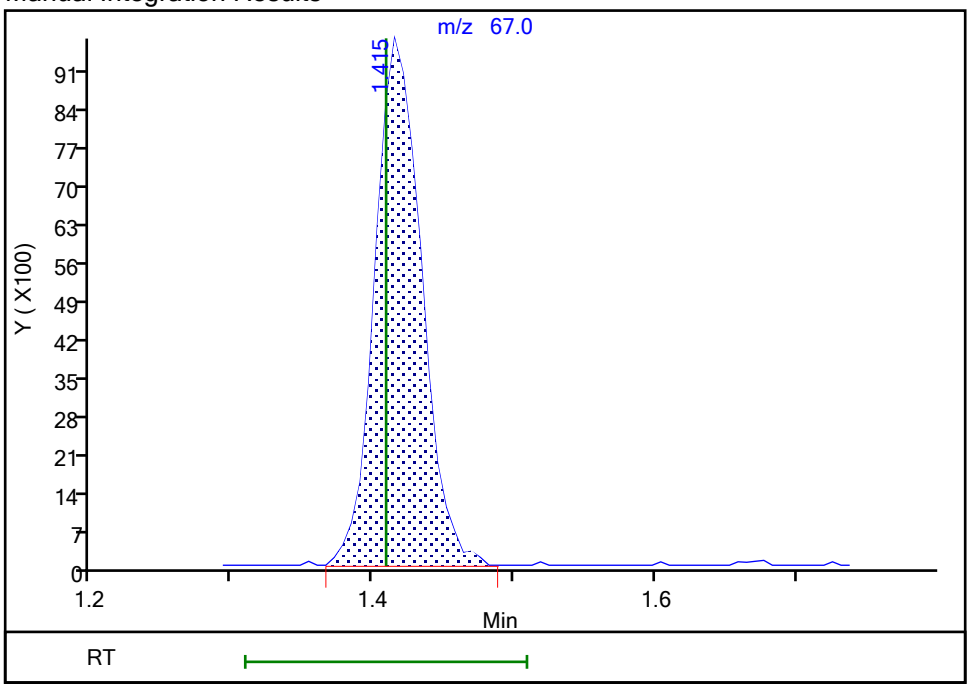
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 22145
Amount: 57.415293
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:03:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

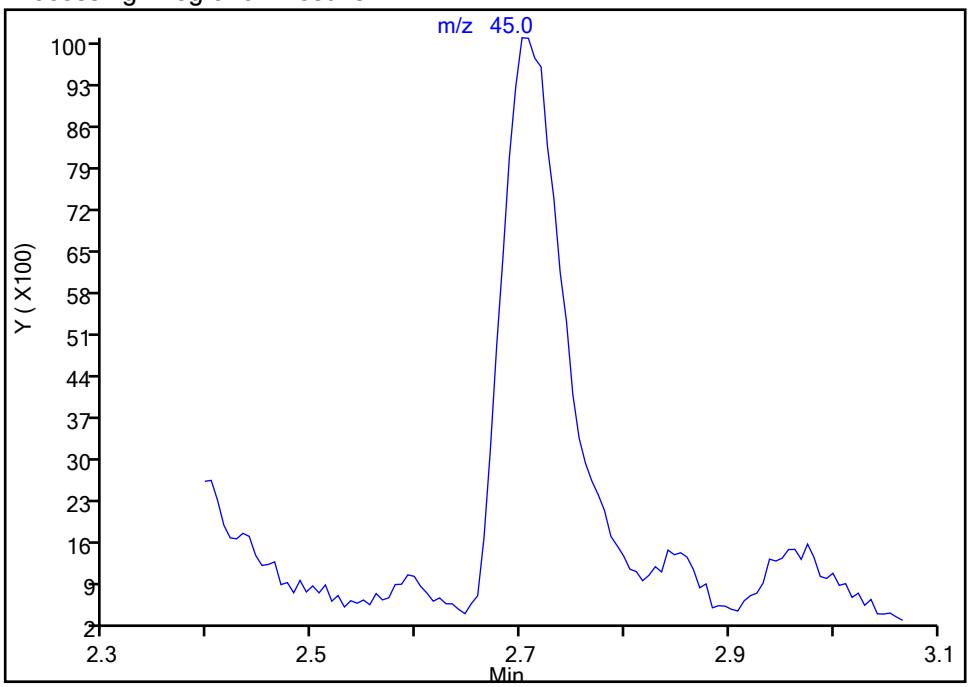
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

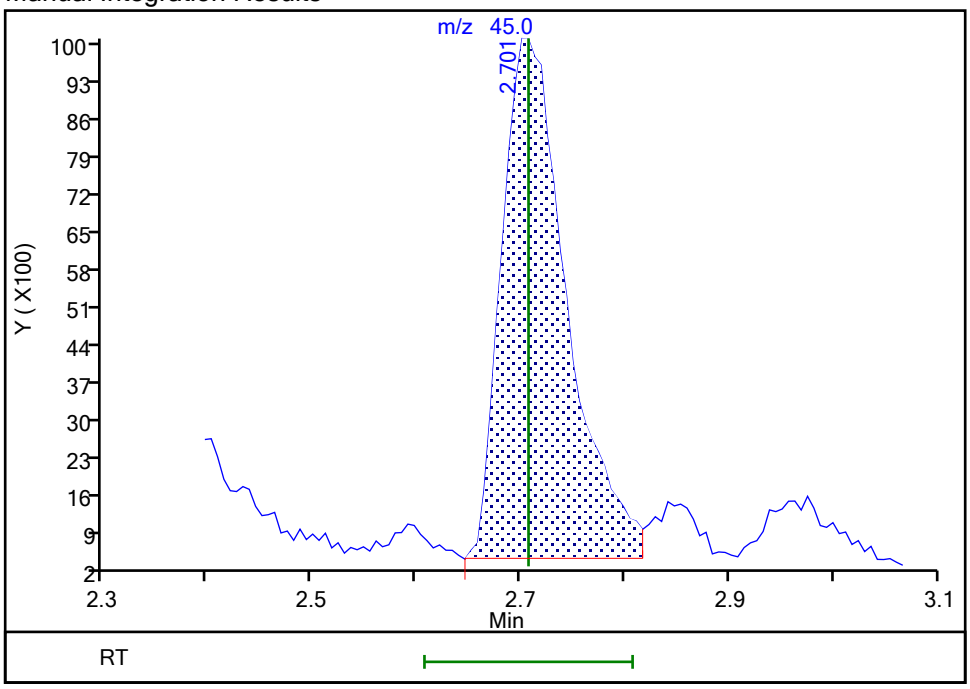
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 42181
Amount: 513.0511
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:09 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

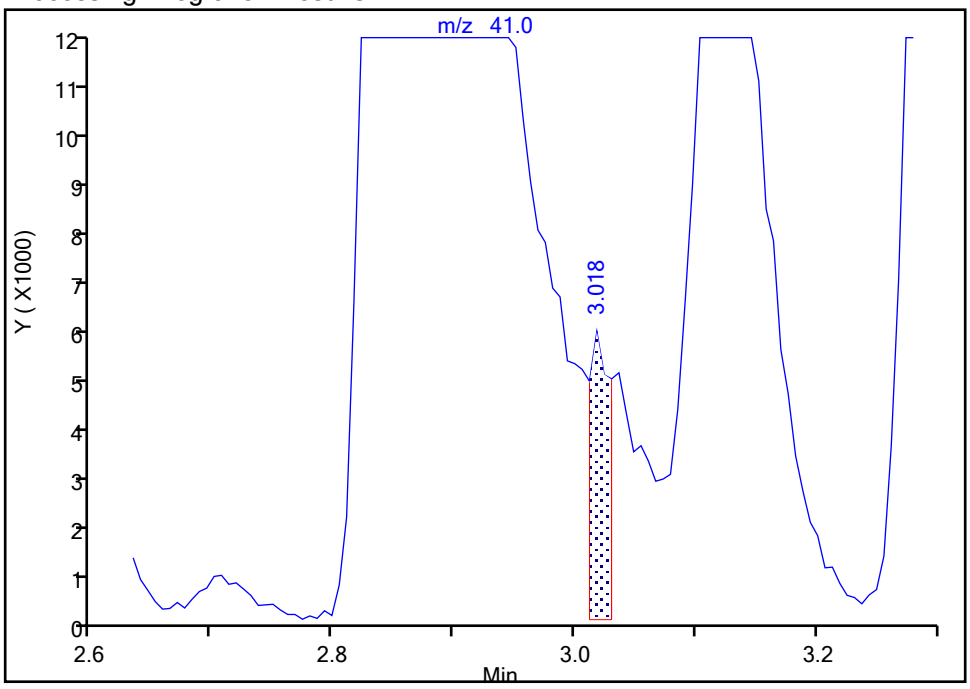
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

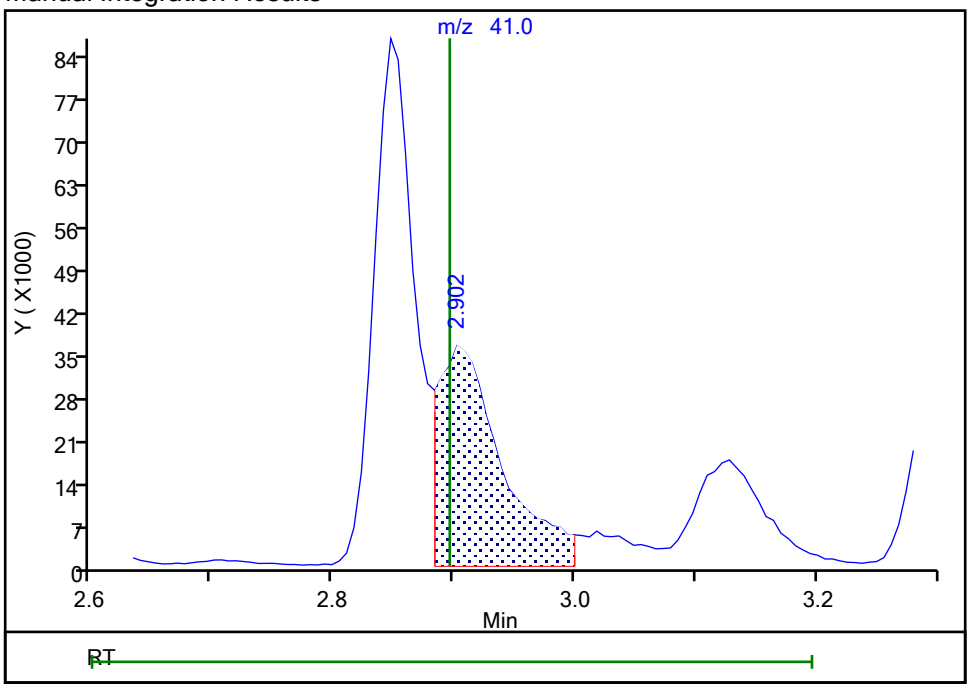
Processing Integration Results

RT: 3.02
Area: 7198
Amount: 48.408592
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 134369
Amount: 509.7449
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

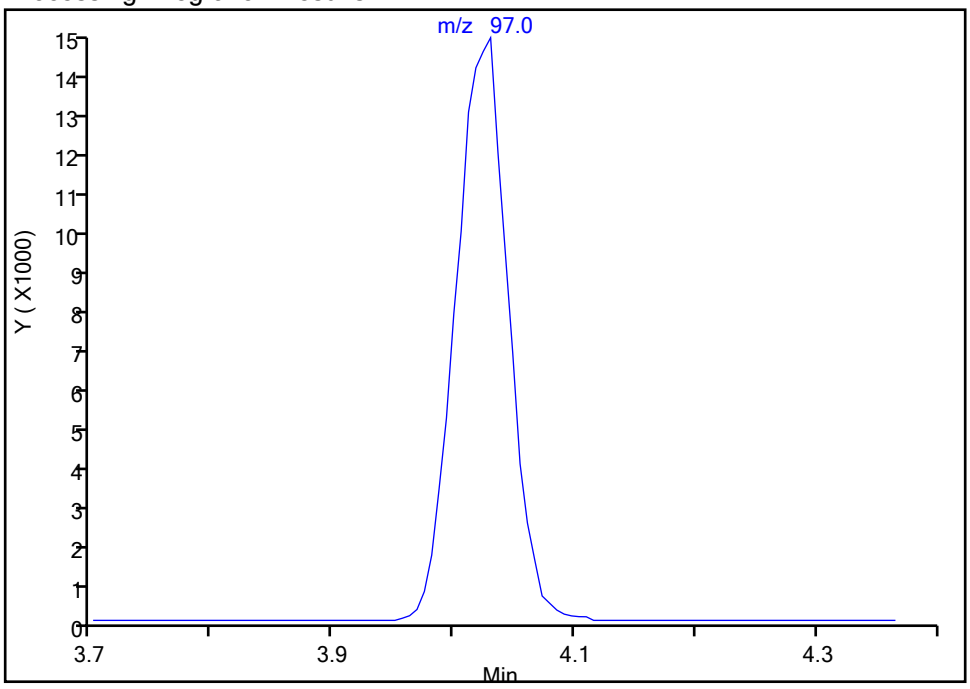
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

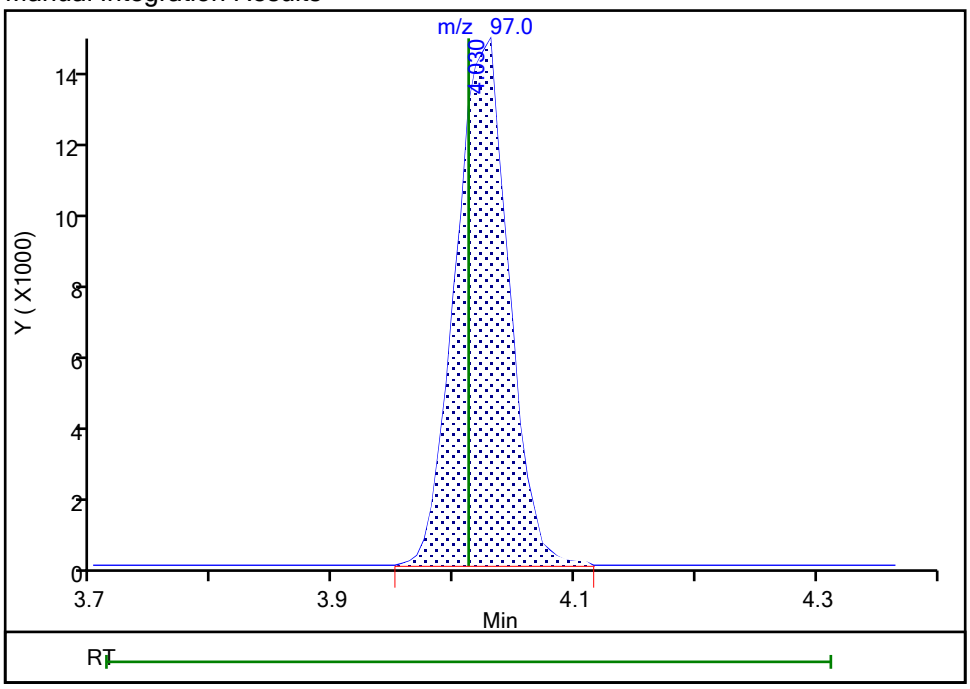
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 44273
Amount: 56.679680
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:30 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Feb-2024 09:21:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0172593-009
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:29:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:44:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	86	88799	200.0	110.0	
2 1,1-Difluoroethane	65	1.378	1.372	0.006	96	190377	200.0	172.8	
4 Dichlorodifluoromethane	85	1.397	1.390	0.007	99	611097	200.0	218.0	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	67892	200.0	177.7	a
6 Chloromethane	50	1.561	1.561	0.000	99	565549	200.0	189.6	
7 Vinyl chloride	62	1.647	1.647	0.000	98	553336	200.0	200.2	
8 Butadiene	54	1.659	1.659	0.000	95	488734	200.0	205.1	
9 Bromomethane	94	1.921	1.915	0.006	99	379629	200.0	182.7	
10 Chloroethane	64	1.970	1.970	0.000	99	295478	200.0	188.0	
11 Dichlorofluoromethane	67	2.153	2.146	0.007	99	963780	200.0	207.3	
13 Pentane	72	2.165	2.165	0.000	97	78458	400.0	369.6	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	80	672411	200.0	215.7	
15 Ethyl ether	74	2.342	2.342	0.000	94	239634	200.0	168.3	
14 Ethanol	46	2.335	2.348	-0.013	92	56891	8000.0	8446.3	
16 2-Methyl-1,3-butadiene	53	2.366	2.360	0.006	93	276244	200.0	174.7	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.409	2.402	0.007	85	442542	200.0	200.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	91	664551	200.0	198.0	
19 Acrolein	56	2.506	2.506	0.000	93	80267	200.0	208.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.531	2.524	0.007	97	374495	200.0	185.3	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	96	348050	200.0	163.9	
22 Acetone	43	2.622	2.616	0.006	89	500140	1000.0	1004.2	
23 Iodomethane	142	2.695	2.689	0.006	96	705143	200.0	172.3	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	38	155666	2000.0	1859.7	a
24 Carbon disulfide	76	2.726	2.719	0.007	99	819897	200.0	107.4	
26 3-Chloro-1-propene	76	2.848	2.841	0.007	97	250765	200.0	184.2	
27 Methyl acetate	43	2.848	2.848	0.000	98	517898	400.0	372.6	
28 Cyclopentene	67	2.866	2.860	0.006	92	596281	200.0	145.6	
29 Acetonitrile	41	2.902	2.896	0.006	98	479813	2000.0	1882.5	a
* 31 TBA-d9 (IS)	66	2.963	2.957	0.006	0	27971	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	89	452249	200.0	183.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	99	306956	2000.0	2040.0	a
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	1230945	200.0	190.0	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	391711	200.0	166.0	
35 Acrylonitrile	53	3.213	3.207	0.006	94	1471562	2000.0	1948.5	
36 Hexane	57	3.293	3.293	0.000	90	323465	200.0	126.2	
37 Isopropyl ether	45	3.500	3.500	0.000	95	1313793	200.0	193.4	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	100	716635	200.0	191.3	
39 Vinyl acetate	86	3.536	3.543	-0.006	99	180738	400.0	431.6	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	353756	200.0	195.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	1290138	200.0	199.8	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	187586	250.0	250.0	a
43 2,2-Dichloropropane	97	4.024	4.012	0.012	93	153596	200.0	198.5	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	472322	200.0	185.2	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	203256	1000.0	991.7	
46 Ethyl acetate	70	4.049	4.049	0.001	95	87529	400.0	402.2	
47 Methyl acrylate	55	4.103	4.097	0.006	100	340684	200.0	203.8	
48 Propionitrile	54	4.170	4.170	0.000	99	522931	2000.0	1985.9	
50 Tetrahydrofuran	72	4.244	4.244	0.000	89	99759	400.0	376.4	
49 Chlorobromomethane	128	4.250	4.250	0.000	85	245610	200.0	191.9	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	1707711	2000.0	2062.6	
52 Chloroform	83	4.305	4.298	0.007	99	700258	200.0	190.8	
53 Cyclohexane	84	4.439	4.439	0.000	90	475103	200.0	169.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	98	599272	200.0	191.2	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	116950	50.0	49.4	
56 Carbon tetrachloride	117	4.567	4.561	0.006	97	520175	200.0	192.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	483615	200.0	180.1	
58 Isobutyl alcohol	43	4.707	4.707	0.000	96	287733	5000.0	5007.8	
59 Isooctane	57	4.762	4.756	0.006	98	1301086	200.0	189.5	
60 Benzene	78	4.786	4.786	0.000	95	1548231	200.0	179.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	117313	50.0	50.3	
63 Isopropyl acetate	61	4.847	4.841	0.006	96	221513	200.0	214.7	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	1341368	200.0	205.7	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	95	467958	200.0	188.9	
65 n-Heptane	100	4.939	4.932	0.007	90	71513	200.0	191.0	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	457019	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	86	184126	5000.0	4992.6	
68 Trichloroethene	95	5.414	5.408	0.006	96	410192	200.0	187.6	
69 Methylcyclohexane	83	5.542	5.536	0.006	81	578696	200.0	176.9	
70 Ethyl acrylate	99	5.536	5.536	0.000	98	59025	200.0	197.6	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	95	423617	200.0	196.8	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	18965	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	85	225478	400.0	436.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	60320	4000.0	4202.2	
74 Dibromomethane	93	5.823	5.823	0.000	97	256273	200.0	195.4	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	500757	200.0	209.8	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	546147	200.0	203.1	
78 2-Nitropropane	41	6.304	6.310	-0.006	95	165938	400.0	417.7	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	94	258725	200.5	204.9	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	701274	4000.0	4132.1	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	680989	200.0	204.5	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	797431	1000.0	1096.9	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	444941	50.0	49.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	1672129	200.0	174.5	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	599275	200.0	208.2	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	534670	200.0	219.5	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	319603	200.0	195.6	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	442993	200.0	188.1	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	605812	200.0	202.3	
90 2-Hexanone	43	7.621	7.621	0.000	94	1055996	1000.0	1085.0	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	572488	200.0	212.8	
92 Chlorodibromomethane	129	7.780	7.779	0.001	98	447929	200.0	211.0	
93 Ethylene Dibromide	107	7.932	7.932	0.000	98	376804	200.0	197.9	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	82	351741	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	1175018	200.0	193.2	
96 Ethylbenzene	106	8.627	8.621	0.006	97	635435	200.0	198.9	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	470565	200.0	210.5	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	773722	200.0	198.0	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	349436	200.0	227.9	
99 o-Xylene	106	9.298	9.297	0.001	95	811798	200.0	203.5	
101 Styrene	104	9.328	9.328	0.000	96	1260119	200.0	210.7	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	728187	200.0	222.0	
102 Bromoform	173	9.566	9.566	0.000	62	314012	200.0	208.2	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	1986706	200.0	203.3	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	95	144824	50.0	49.5	
106 Bromobenzene	156	10.084	10.084	0.000	94	541869	200.0	201.6	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	499458	200.0	202.5	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	2266651	200.0	194.4	
109 1,2,3-Trichloropropane	110	10.188	10.194	-0.006	97	136574	200.0	199.0	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	93	114911	200.0	204.8	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	1578813	200.0	197.5	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	1979994	200.0	199.9	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	1717824	200.0	208.8	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	1427278	200.0	194.2	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	638546	200.0	200.3	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	1513504	200.0	209.2	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	96	1768355	200.0	203.3	
118 sec-Butylbenzene	105	10.889	10.889	0.000	98	2228013	200.0	203.2	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	1034420	200.0	198.7	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	97	1981578	200.0	210.5	
* 121 1,4-Dichlorobenzene-d4	152	11.090	11.084	0.006	92	200827	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	95	1044224	200.0	198.8	
123 1,2,3-Trimethylbenzene	105	11.133	11.132	0.001	97	1936472	200.0	205.0	
124 Benzyl chloride	91	11.248	11.248	0.000	100	1013526	200.0	210.0	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	1824929	200.0	201.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	1268413	200.0	203.8	
127 n-Butylbenzene	92	11.395	11.395	0.000	98	992209	200.0	199.3	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	97	1027752	200.0	196.5	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	2009575	200.0	207.9	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	128611	200.0	209.6	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	943742	200.0	203.4	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	879024	200.0	198.5	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	391942	200.0	212.9	
134 Naphthalene	128	12.925	12.925	0.000	99	2011783	200.0	198.4	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	864504	200.0	198.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		400.0	351.3	
S 137 Xylenes, Total	100				0		400.0	401.5	
S 139 1,3-Dichloropropene, Total	1				0		400.0	412.6	
S 140 Total BTEX	1				0		1000.0	953.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MIX 2 Hi_00145	Amount Added:	20.00	Units: uL	
MIX I Hi_00173	Amount Added:	20.00	Units: uL	
Ethanol mix_00086	Amount Added:	20.00	Units: uL	
7 Freons Hi_00002	Amount Added:	20.00	Units: uL	
ACROLEIN W_00165	Amount Added:	20.00	Units: uL	
GAS Hi_00463	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:29:41 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D

Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17

Lims ID: STD200

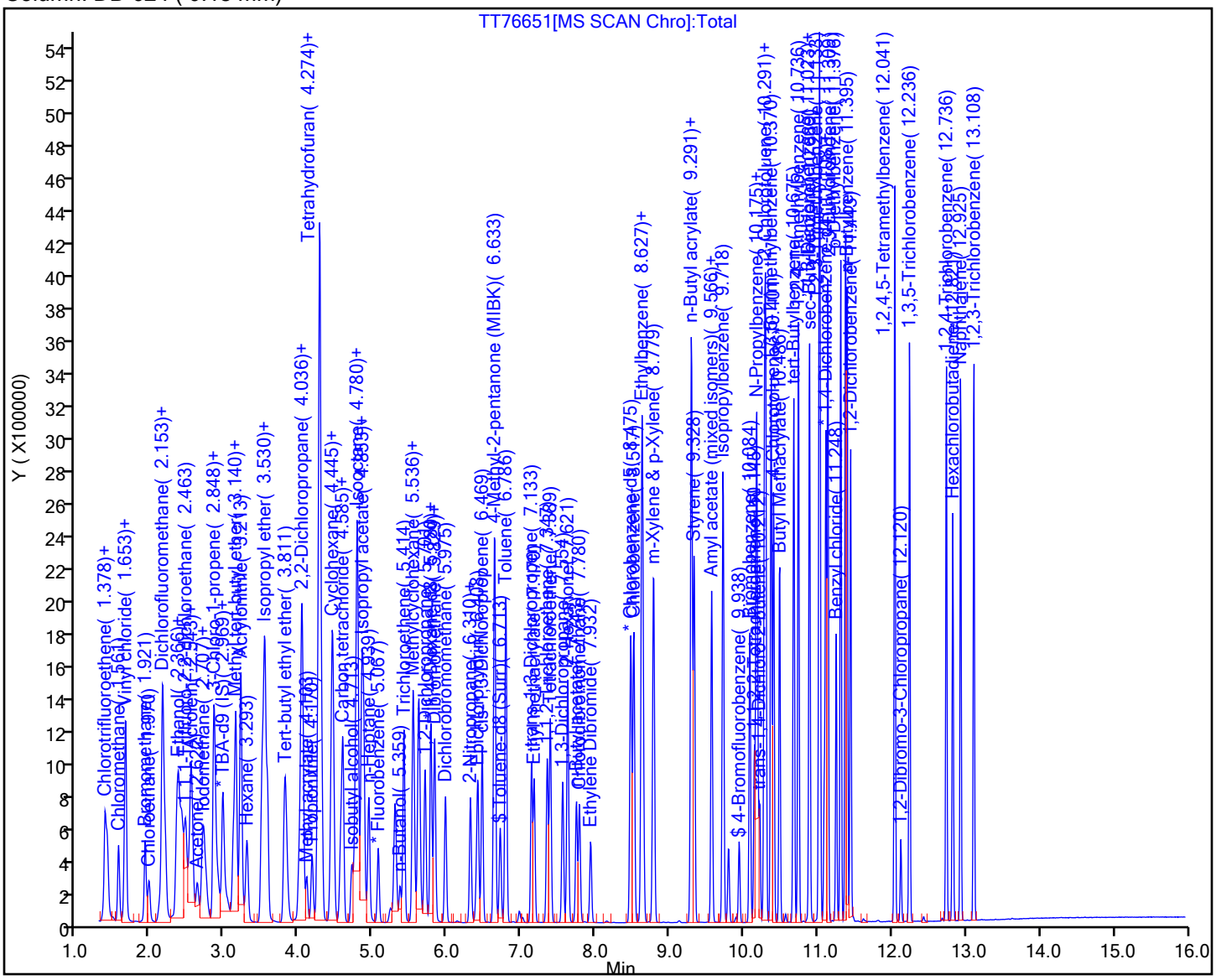
Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

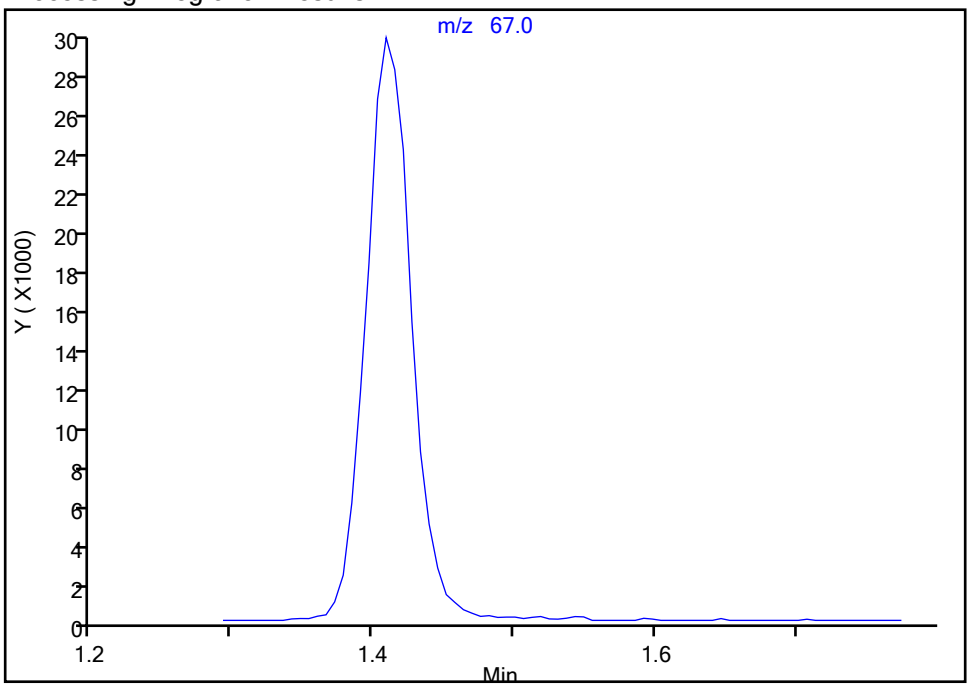
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

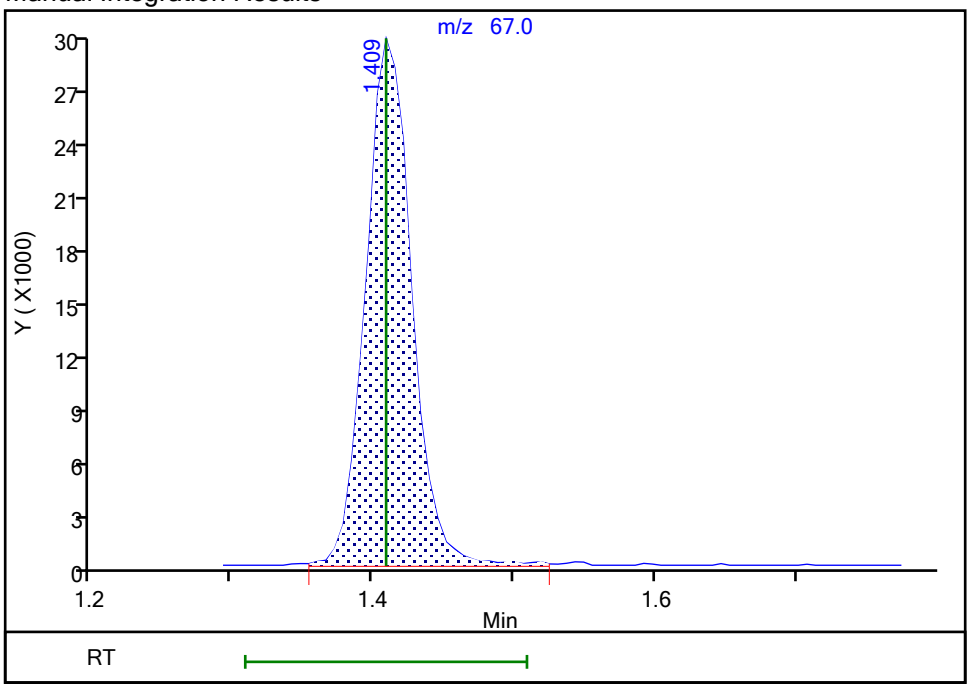
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 67892
Amount: 177.6981
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

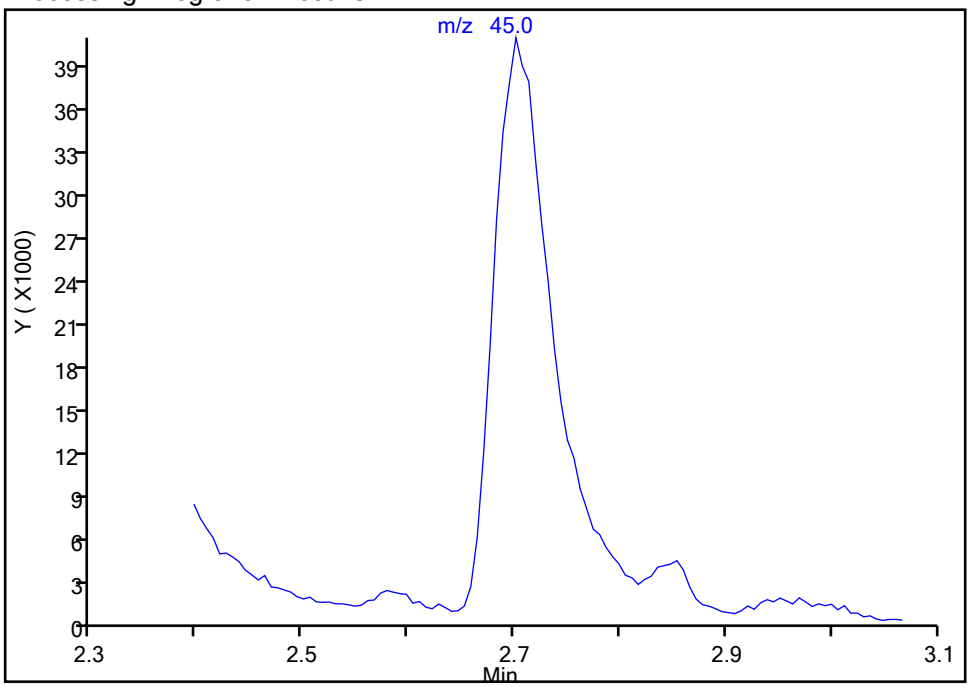
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

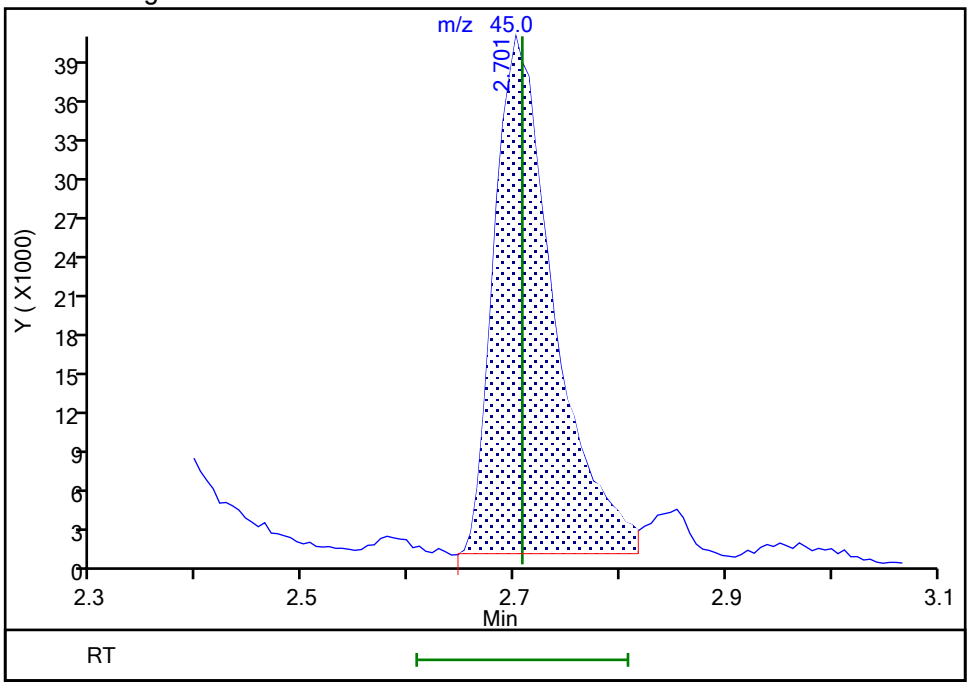
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 155666
Amount: 1859.6687
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

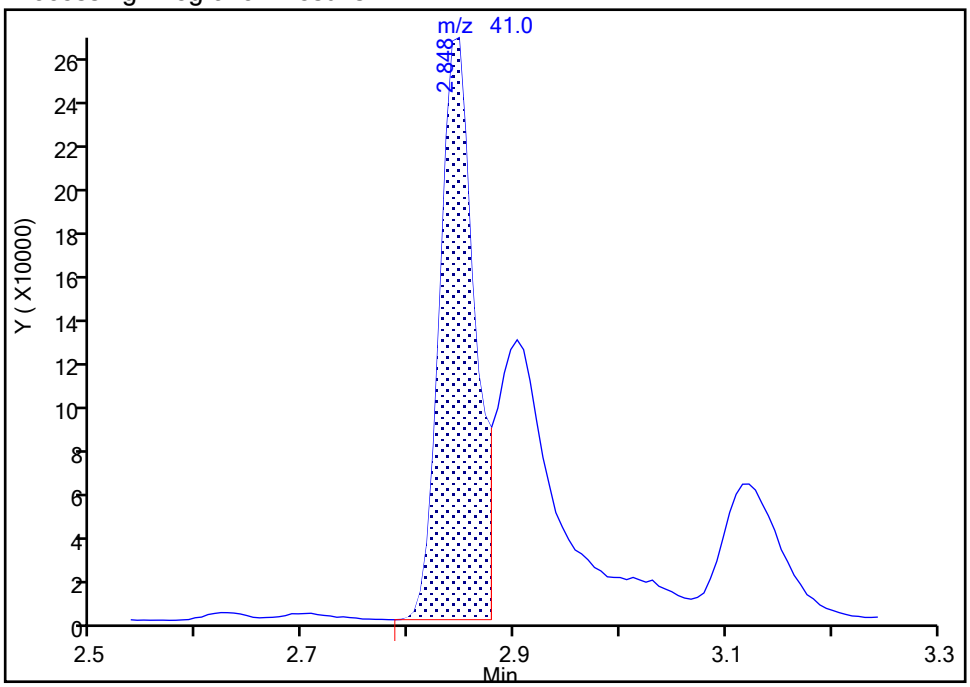
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

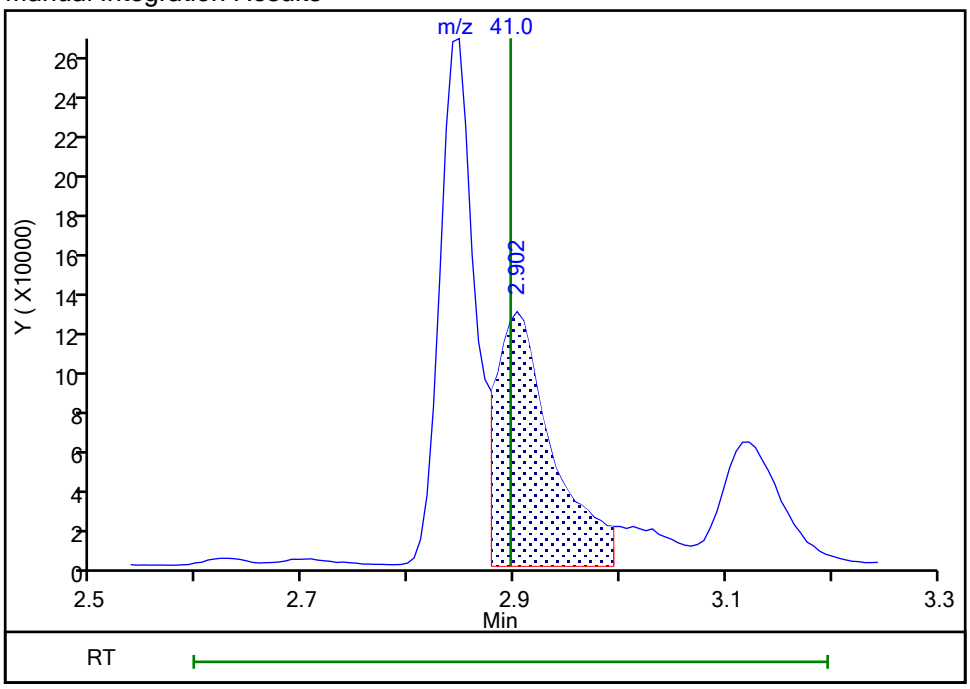
Processing Integration Results

RT: 2.85
Area: 622254
Amount: 2154.9973
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 479813
Amount: 1882.4658
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:02:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

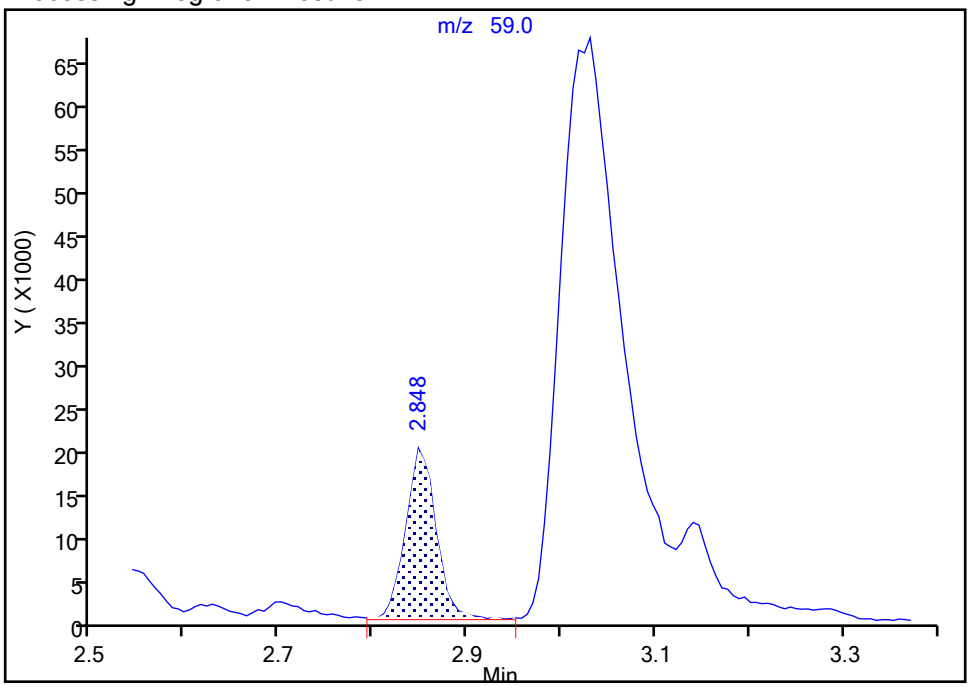
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

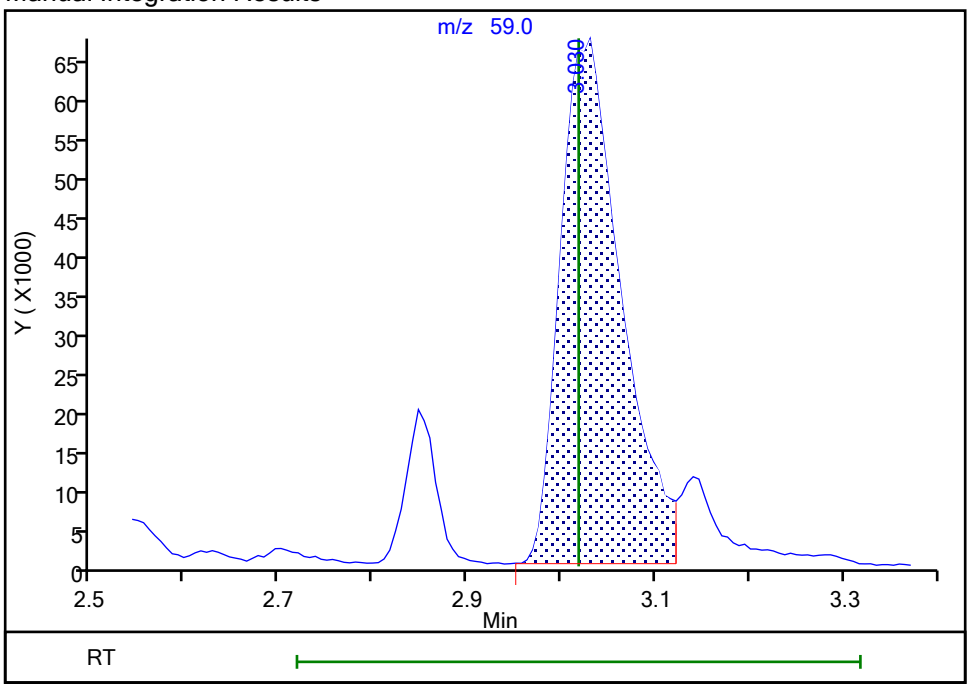
Processing Integration Results

RT: 2.85
Area: 44721
Amount: 344.3323
Amount Units: ug/l



Manual Integration Results

RT: 3.03
Area: 306956
Amount: 2040.0069
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:02:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

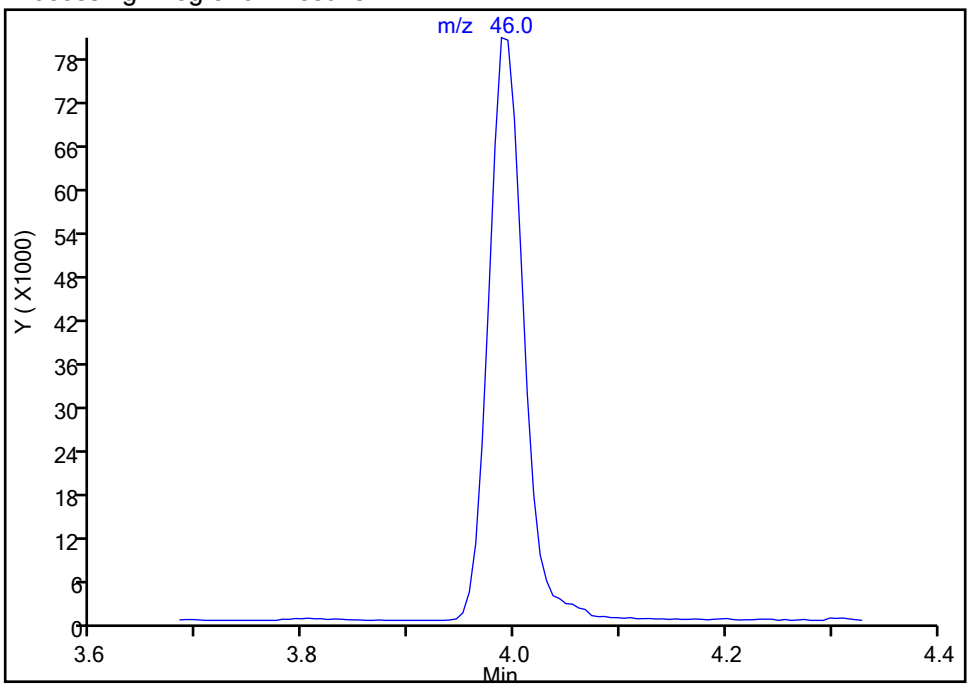
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

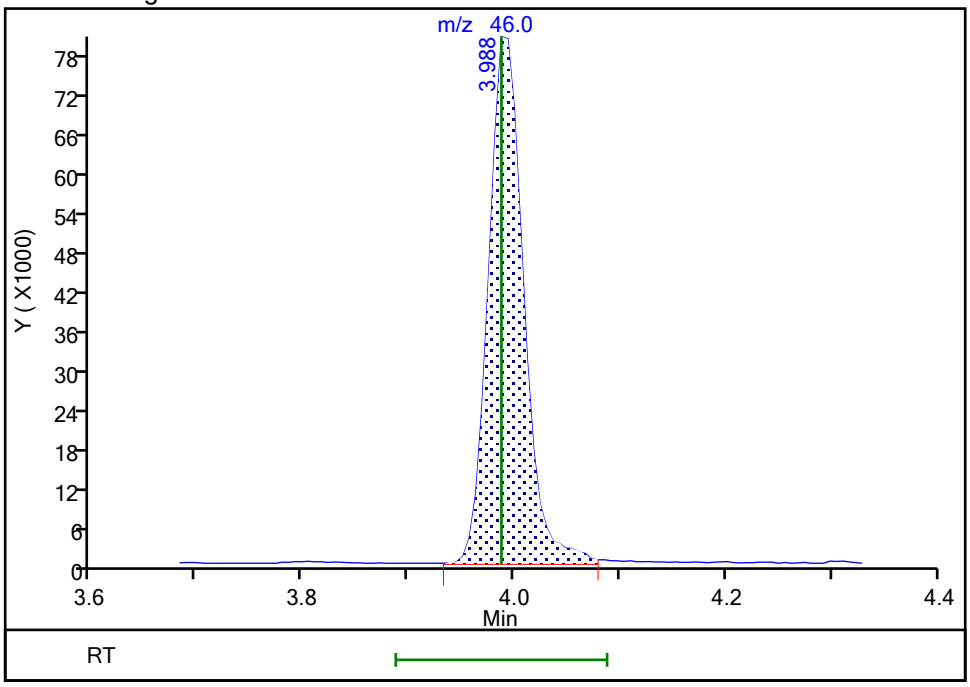
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 187586
Amount: 250.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:25 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Feb-2024 09:41:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0172593-010
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:30:05 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 10:12:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	208383	500.0	242.9	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	96	476542	500.0	406.9	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	99	1626794	500.0	546.1	
5 Chlorodifluoromethane	67	1.421	1.409	0.012	97	166857	500.0	410.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	1461213	500.0	460.9	
7 Vinyl chloride	62	1.653	1.647	0.006	98	1417109	500.0	482.4	
8 Butadiene	54	1.665	1.659	0.006	95	1270256	500.0	501.4	
9 Bromomethane	94	1.927	1.915	0.012	99	916672	500.0	415.1	
10 Chloroethane	64	1.982	1.970	0.012	99	751547	500.0	449.9	
11 Dichlorofluoromethane	67	2.159	2.146	0.013	99	2424191	500.0	490.5	
13 Pentane	72	2.177	2.165	0.012	97	213021	1000.0	1004.7	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	99	1738008	500.0	524.5	
15 Ethyl ether	74	2.348	2.342	0.006	94	626249	500.0	413.7	
14 Ethanol	46	2.341	2.348	-0.007	83	166665	20000	23395	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	92	728670	500.0	433.6	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	84	1094745	500.0	466.9	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	91	1653091	500.0	463.4	
19 Acrolein	56	2.512	2.506	0.006	94	168967	400.0	413.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.524	0.012	97	1033141	500.0	480.9	
21 1,1-Dichloroethene	96	2.561	2.549	0.012	96	917283	500.0	406.4	
22 Acetone	43	2.628	2.616	0.012	88	1362613	2500.0	2499.4	
23 Iodomethane	142	2.701	2.689	0.012	97	1803569	500.0	414.7	
25 Isopropyl alcohol	45	2.707	2.707	0.000	90	442852	5000.0	5002.1	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	2136073	500.0	263.4	
26 3-Chloro-1-propene	76	2.854	2.841	0.013	94	665613	500.0	460.0	
27 Methyl acetate	43	2.854	2.848	0.006	98	1354862	1000.0	917.2	
28 Cyclopentene	67	2.872	2.860	0.012	93	1555213	500.0	357.2	
29 Acetonitrile	41	2.908	2.896	0.012	96	1465432	5000.0	5001.4	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	29584	1000.0	1000.0	a
30 Methylene Chloride	84	2.975	2.969	0.006	89	1175111	500.0	448.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	98	813188	5000.0	5109.7	
33 Methyl tert-butyl ether	73	3.128	3.116	0.012	97	3140233	500.0	456.1	
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	92	1023918	500.0	408.3	
35 Acrylonitrile	53	3.219	3.207	0.012	94	3737347	5000.0	4655.6	
36 Hexane	57	3.299	3.293	0.006	91	931167	500.0	341.8	
37 Isopropyl ether	45	3.506	3.500	0.006	94	3361532	500.0	465.4	
38 1,1-Dichloroethane	63	3.536	3.524	0.012	99	1851554	500.0	465.1	
39 Vinyl acetate	86	3.542	3.543	0.000	100	465249	1000.0	966.4	
40 2-Chloro-1,3-butadiene	88	3.579	3.567	0.012	88	920940	500.0	478.3	
41 Tert-butyl ethyl ether	59	3.817	3.805	0.012	91	3308686	500.0	482.2	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	215638	250.0	250.0	a
43 2,2-Dichloropropane	97	4.030	4.012	0.018	94	403870	500.0	491.1	
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	98	1230827	500.0	454.1	
45 2-Butanone (MEK)	72	4.048	4.042	0.006	97	550717	2500.0	2337.5	
46 Ethyl acetate	70	4.055	4.049	0.006	96	232153	1000.0	927.9	
47 Methyl acrylate	55	4.103	4.097	0.006	100	865043	500.0	486.8	
48 Propionitrile	54	4.176	4.170	0.006	99	1378534	5000.0	4949.8	
50 Tetrahydrofuran	72	4.250	4.244	0.006	84	260050	1000.0	1045.2	
49 Chlorobromomethane	128	4.256	4.250	0.006	86	636746	500.0	468.1	
51 Methacrylonitrile	67	4.286	4.274	0.012	88	4175220	5000.0	4744.3	
52 Chloroform	83	4.311	4.298	0.013	99	1783050	500.0	457.1	
53 Cyclohexane	84	4.445	4.439	0.006	89	1307444	500.0	438.2	
54 1,1,1-Trichloroethane	97	4.457	4.451	0.006	98	1559346	500.0	468.2	
$ 55 Dibromofluoromethane (Surr)	113	4.463	4.457	0.006	97	126044	50.0	50.1	
56 Carbon tetrachloride	117	4.573	4.561	0.012	97	1374506	500.0	478.4	
57 1,1-Dichloropropene	75	4.597	4.591	0.006	98	1278904	500.0	448.0	
58 Isobutyl alcohol	43	4.713	4.707	0.006	96	767266	12500	12499	
59 Isooctane	57	4.768	4.756	0.012	98	3728460	500.0	510.9	
60 Benzene	78	4.786	4.786	0.000	96	3876945	500.0	405.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.804	4.798	0.006	0	135746	50.0	54.8	
63 Isopropyl acetate	61	4.847	4.841	0.006	97	580135	500.0	529.0	
62 Tert-amyl methyl ether	73	4.859	4.847	0.012	91	3395461	500.0	489.9	
64 1,2-Dichloroethane	62	4.878	4.872	0.006	95	1226041	500.0	465.6	
65 n-Heptane	100	4.945	4.932	0.013	90	210672	500.0	NQ	
* 66 Fluorobenzene	96	5.073	5.067	0.006	99	485775	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	85	558374	12500	12501	
68 Trichloroethene	95	5.414	5.408	0.006	97	1069212	500.0	460.2	
69 Methylcyclohexane	83	5.542	5.536	0.006	94	1626295	500.0	467.6	
70 Ethyl acrylate	99	5.542	5.536	0.006	99	164613	500.0	500.3	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	94	1116173	500.0	487.8	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20568	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	85	612794	1000.0	1115.5	
75 1,4-Dioxane	88	5.804	5.804	0.000	86	172984	10000	11112	
74 Dibromomethane	93	5.829	5.823	0.006	95	671423	500.0	481.7	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	1350227	500.0	532.1	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	1434524	500.0	501.9	
78 2-Nitropropane	41	6.310	6.310	0.000	96	463756	1000.0	1099.7	
79 2-Chloroethyl vinyl ether	63	6.316	6.310	0.006	94	713492	501.2	531.6	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	1838413	10000	9423.4	
81 cis-1,3-Dichloropropene	75	6.475	6.469	0.006	89	1808237	500.0	490.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.639	6.633	0.006	93	2067886	2500.0	2474.4	
$ 83 Toluene-d8 (Surr)	98	6.719	6.713	0.006	99	476693	50.0	48.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.792	6.786	0.006	95	4161775	500.0	392.7	
85 trans-1,3-Dichloropropene	75	7.139	7.133	0.006	95	1597356	500.0	501.8	
86 Ethyl methacrylate	69	7.176	7.170	0.006	88	1427663	500.0	530.1	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	861774	500.0	477.0	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	1162773	500.0	446.4	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	91	1603553	500.0	484.2	
90 2-Hexanone	43	7.627	7.621	0.006	93	2806164	2500.0	2508.2	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	1545960	500.0	519.7	
92 Chlorodibromomethane	129	7.785	7.779	0.006	98	1204603	500.0	513.1	
93 Ethylene Dibromide	107	7.938	7.932	0.006	98	1004434	500.0	477.0	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	80	388971	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	95	3054491	500.0	454.1	
96 Ethylbenzene	106	8.627	8.621	0.006	97	1664781	500.0	471.1	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	97	1238196	500.0	500.9	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	2029866	500.0	469.8	
100 n-Butyl acrylate	73	9.291	9.291	0.000	99	936897	500.0	552.6	
99 o-Xylene	106	9.297	9.297	0.000	96	2076651	500.0	470.7	
101 Styrene	104	9.334	9.328	0.006	95	3234116	500.0	489.1	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	1906916	500.0	538.6	
102 Bromoform	173	9.572	9.566	0.006	65	831076	500.0	498.3	
104 Isopropylbenzene	105	9.724	9.718	0.006	96	4765685	500.0	440.9	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	158839	50.0	49.1	
106 Bromobenzene	156	10.084	10.084	0.000	94	1409751	500.0	485.8	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	1310599	500.0	492.3	
108 N-Propylbenzene	91	10.175	10.169	0.006	98	5264436	500.0	418.3	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	98	359102	500.0	484.8	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	95	311901	500.0	514.9	
111 2-Chlorotoluene	91	10.285	10.279	0.006	97	3899632	500.0	451.9	
112 4-Ethyltoluene	105	10.297	10.297	0.000	97	4711415	500.0	440.7	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	96	4098955	500.0	461.5	
114 4-Chlorotoluene	91	10.407	10.401	0.006	95	3481054	500.0	438.8	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	1684754	500.0	500.0	
116 tert-Butylbenzene	119	10.675	10.675	0.000	94	3662919	500.0	468.9	
117 1,2,4-Trimethylbenzene	105	10.742	10.736	0.006	96	4144709	500.0	441.3	
118 sec-Butylbenzene	105	10.889	10.889	0.000	96	5036320	500.0	425.5	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	95	2529062	500.0	450.0	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	4435804	500.0	436.5	
* 121 1,4-Dichlorobenzene-d4	152	11.090	11.084	0.006	93	216807	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	94	2580959	500.0	455.1	
123 1,2,3-Trimethylbenzene	105	11.138	11.132	0.006	95	4409674	500.0	432.4	
124 Benzyl chloride	91	11.248	11.248	0.000	99	2568786	500.0	493.1	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	4185687	500.0	427.2	
126 p-Diethylbenzene	119	11.376	11.370	0.006	93	2955959	500.0	440.0	
127 n-Butylbenzene	92	11.395	11.395	0.000	98	2375756	500.0	441.9	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	96	2526417	500.0	447.4	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	4252085	500.0	407.5	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	336144	500.0	507.4	
131 1,3,5-Trichlorobenzene	180	12.242	12.236	0.006	98	2137622	500.0	426.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	95	1976309	500.0	413.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	95	918395	500.0	462.0	
134 Naphthalene	128	12.931	12.925	0.006	98	4264441	500.0	389.6	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	1889494	500.0	401.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		1000.0	862.4	
S 137 Xylenes, Total	100				0		1000.0	940.5	
S 139 1,3-Dichloropropene, Total	1				0		1000.0	992.7	
S 140 Total BTEX	1				0		2500.0	2209.9	

QC Flag Legend

Processing Flags
NQ - Not Quantifiable
Review Flags
a - User Assigned ID

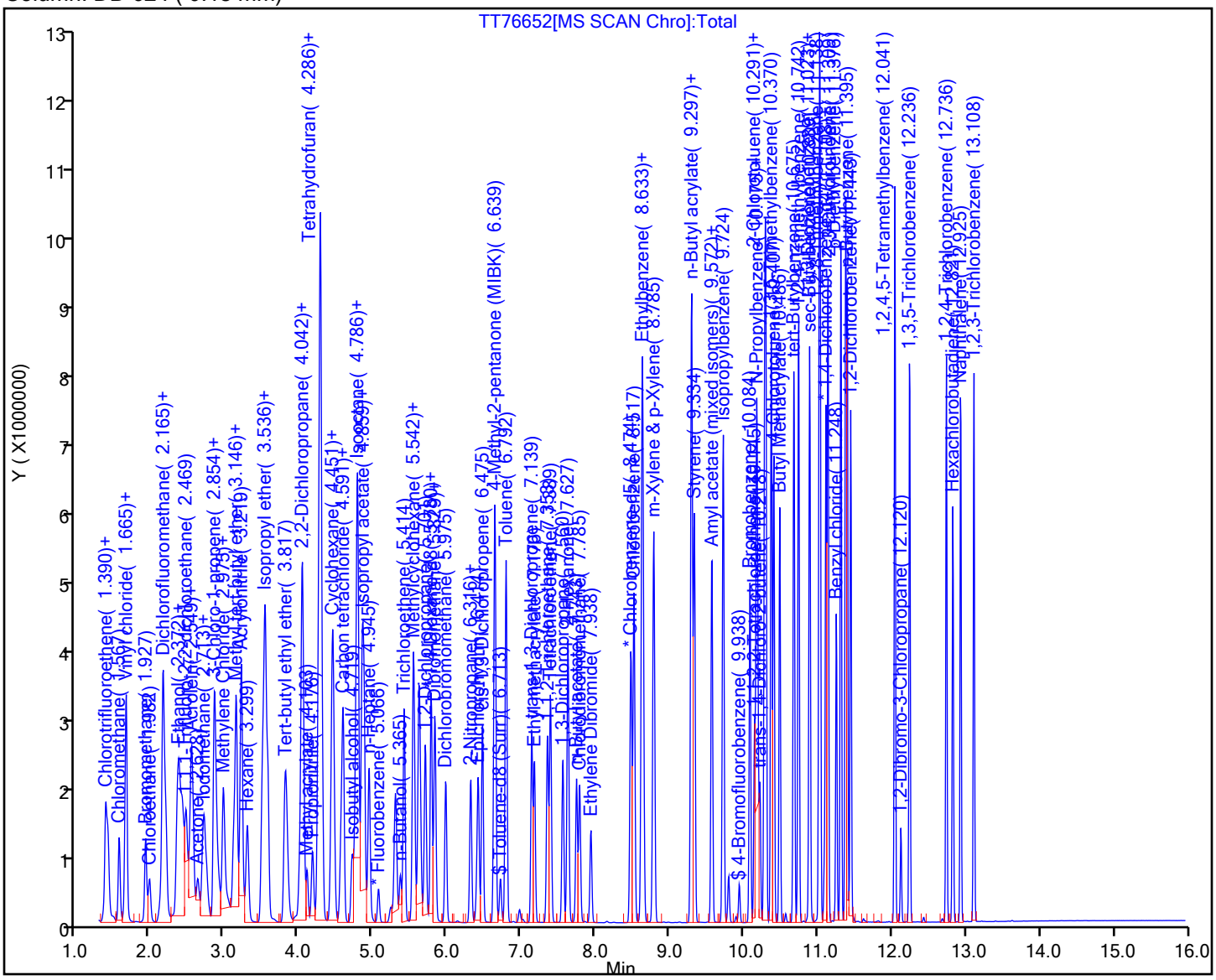
Reagents:

MIX 2 Hi_00145	Amount Added:	50.00	Units: uL	
MIX I Hi_00173	Amount Added:	50.00	Units: uL	
Ethanol mix_00086	Amount Added:	50.00	Units: uL	
7 Freons Hi_00002	Amount Added:	50.00	Units: uL	
ACROLEIN W_00165	Amount Added:	40.00	Units: uL	
GAS Hi_00463	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:30:05 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

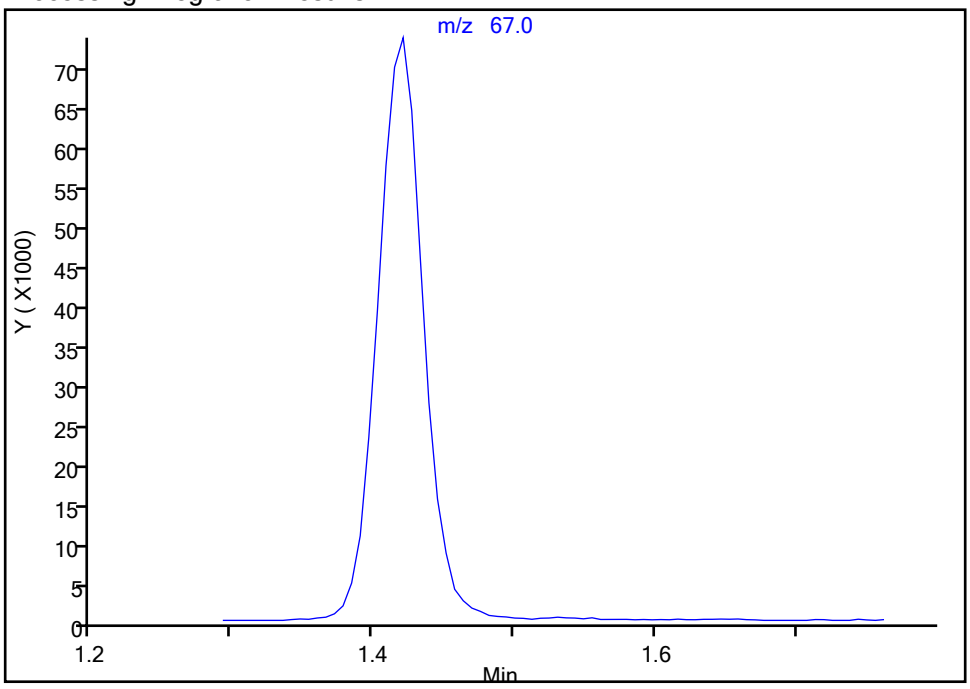
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

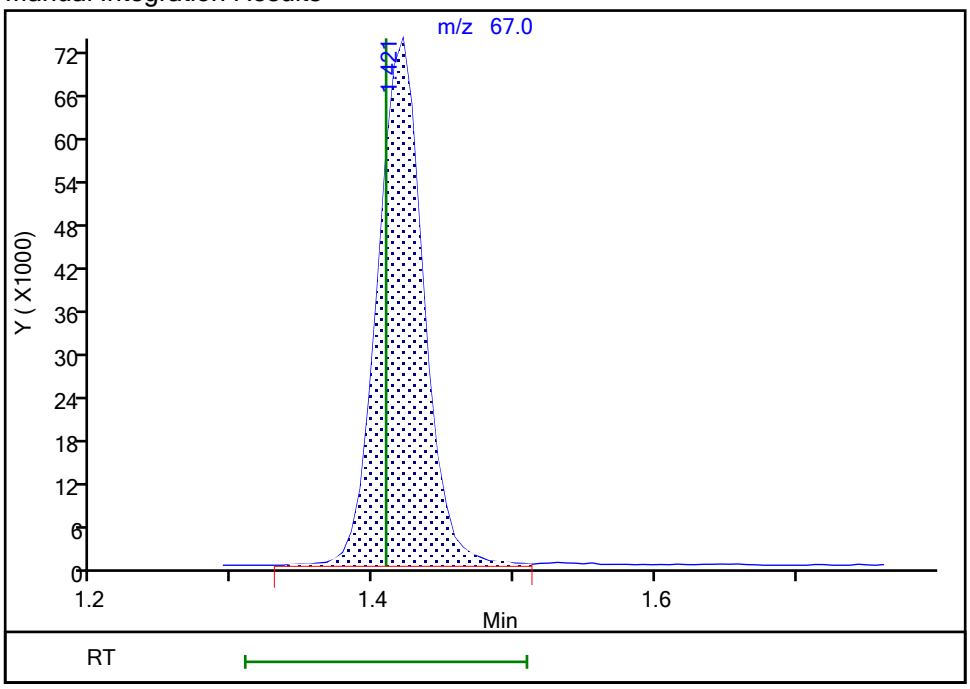
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.42
Area: 166857
Amount: 410.8731
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

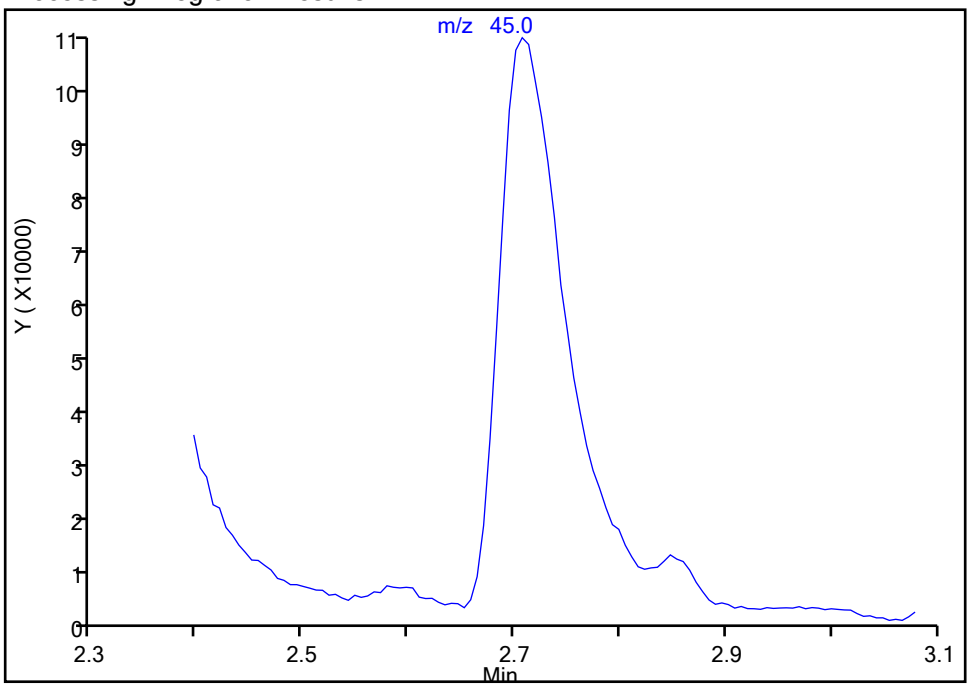
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

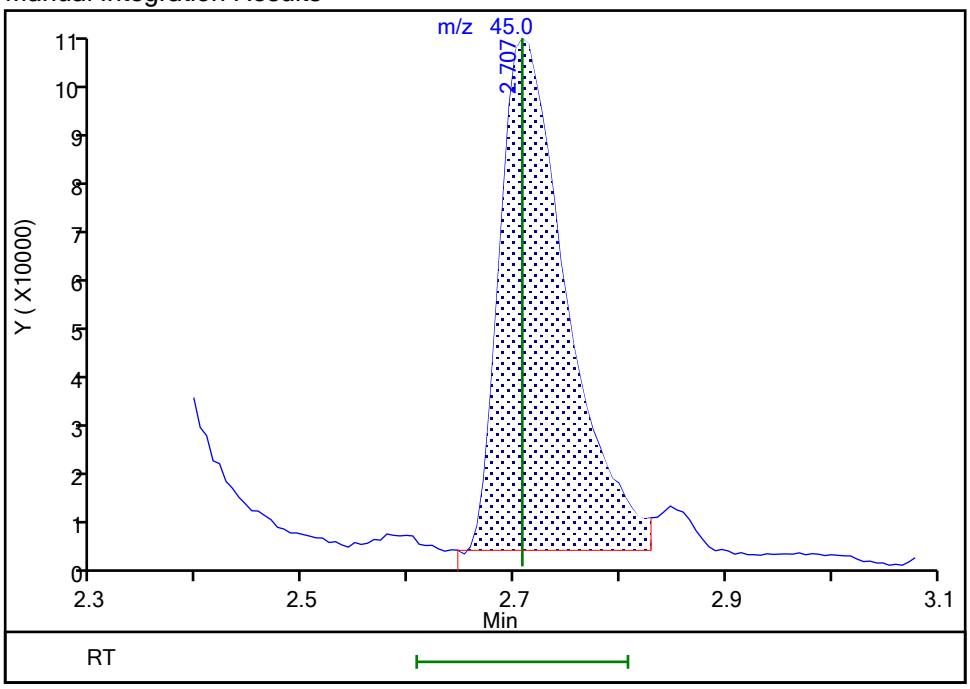
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 442852
Amount: 5002.0903
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

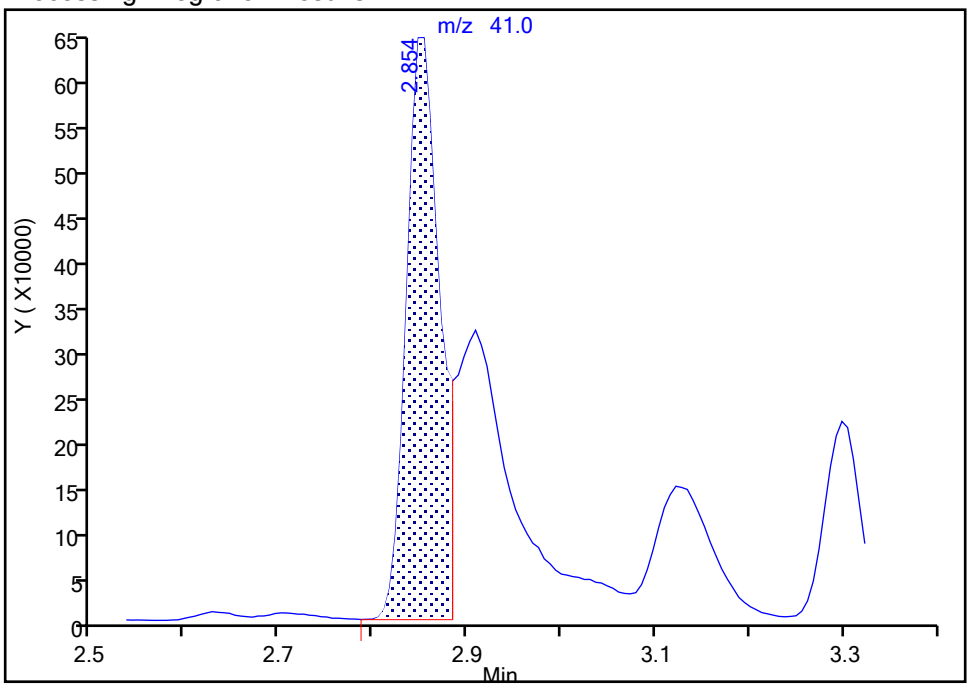
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

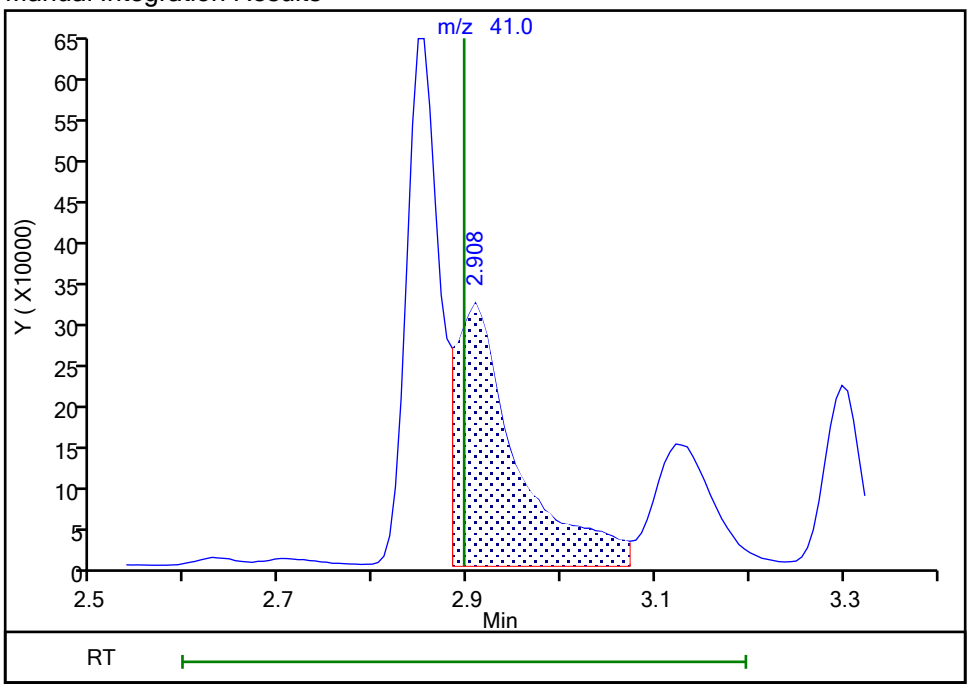
Processing Integration Results

RT: 2.85
Area: 1612743
Amount: 5002.9907
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 1465432
Amount: 5001.4495
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:40 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

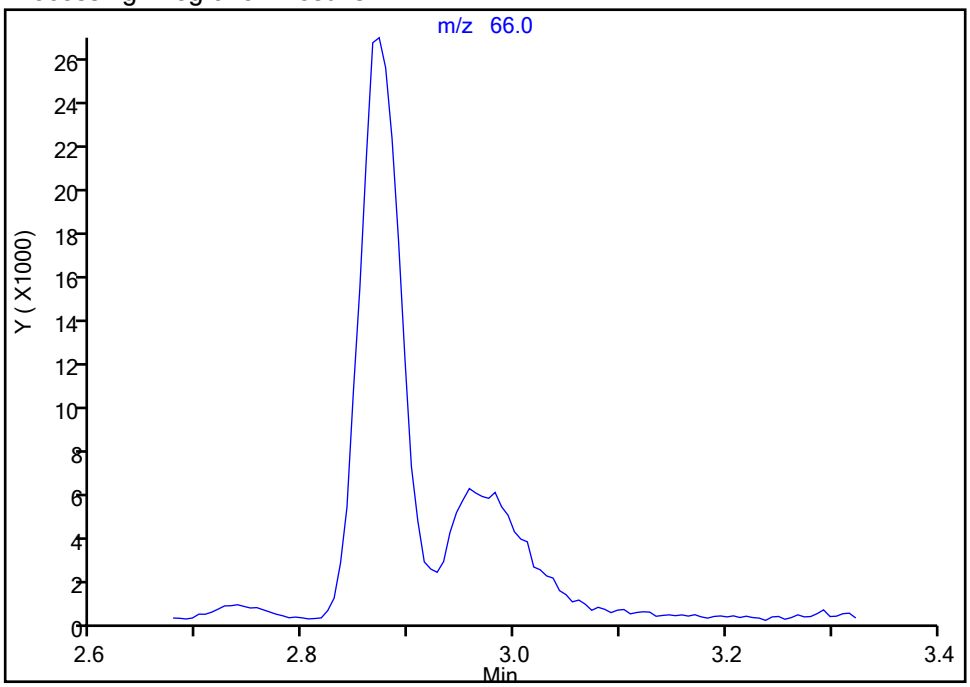
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 31 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

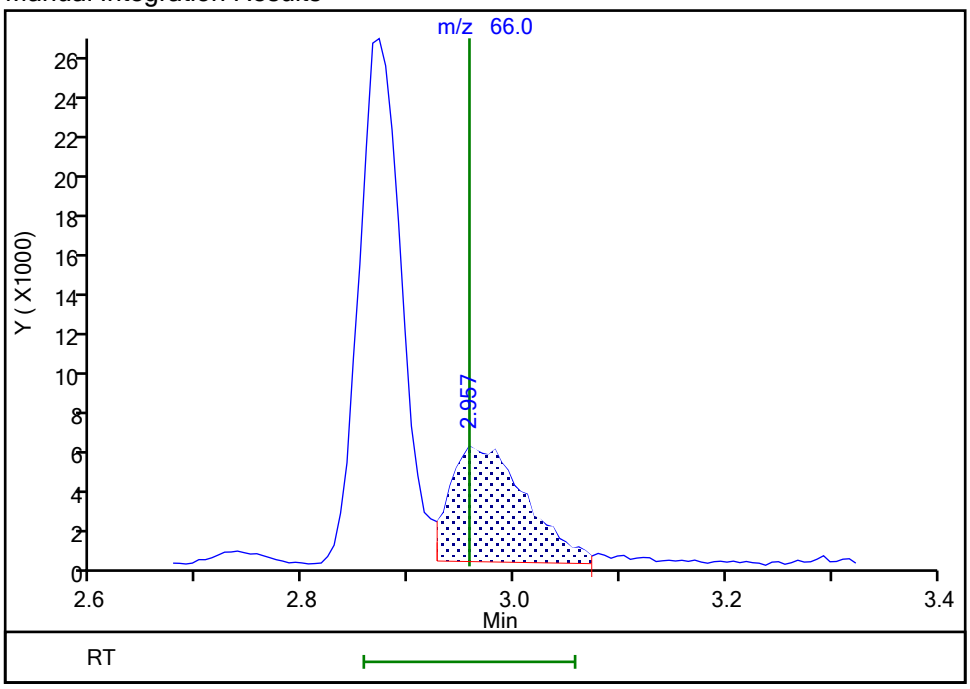
Not Detected
Expected RT: 2.96

Processing Integration Results



Manual Integration Results

RT: 2.96
Area: 29584
Amount: 1000.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:57:54 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

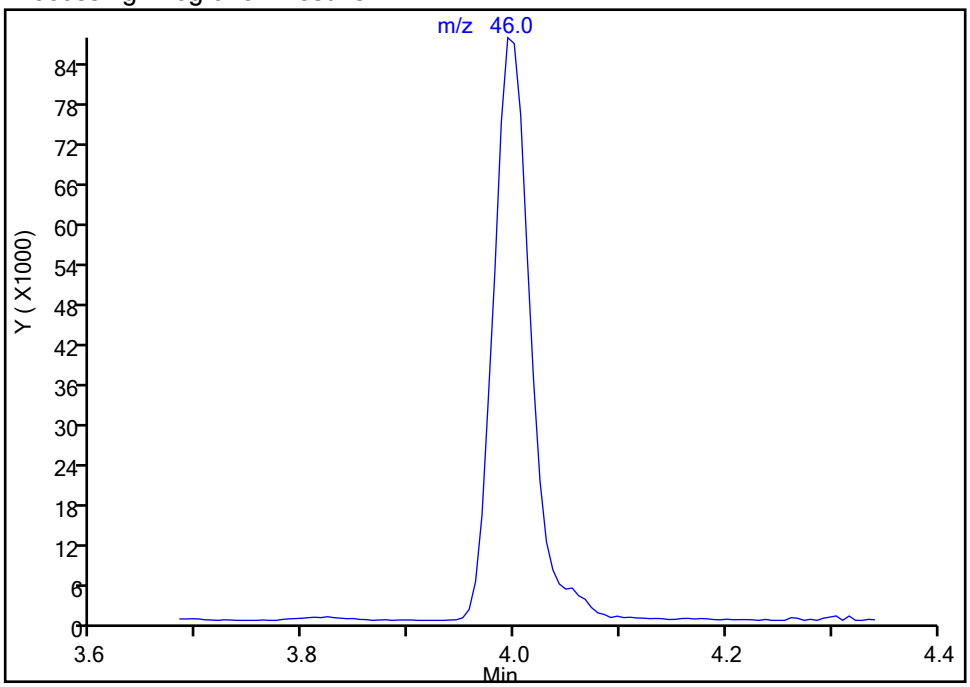
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

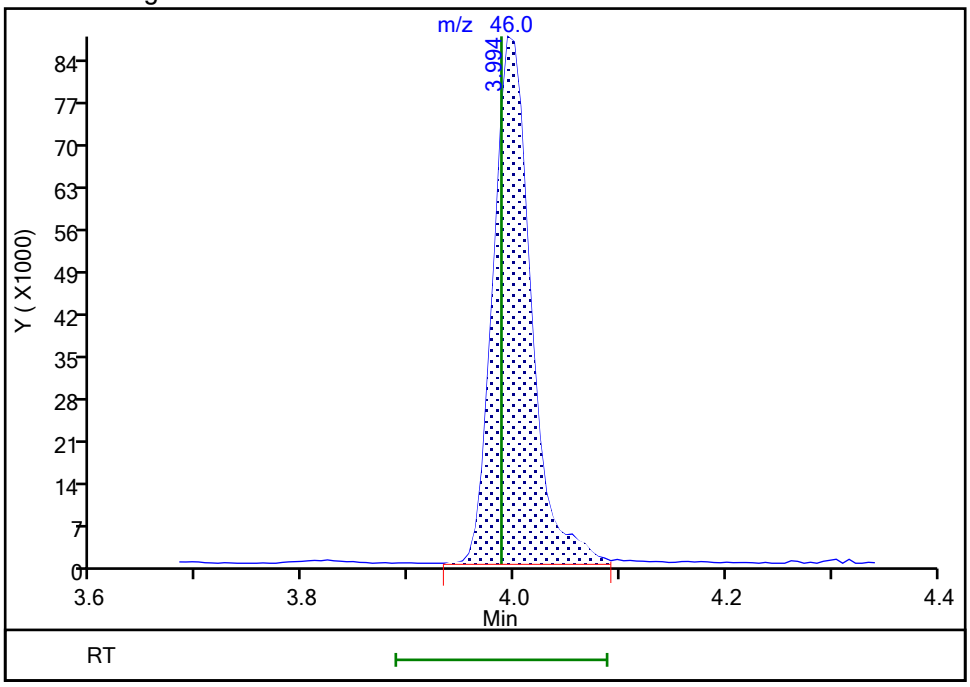
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 215638
Amount: 250.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:57:59 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 07/28/2023 03:54

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/28/2023 10:24

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0230			5.00	20.0		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2024 10:59:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0172593-014
Operator ID: Instrument ID: CVOAMS17
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Feb-2024 06:21:41 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1673

First Level Reviewer: FK2C Date: 23-Feb-2024 06:21:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	18731	20.0	22.5	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	97	28228	20.0	24.8	
4 Dichlorodifluoromethane	85	1.402	1.390	0.012	80	57771	20.0	20.0	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	95	7837	20.0	19.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	59015	20.0	19.2	
7 Vinyl chloride	62	1.652	1.647	0.005	97	59890	20.0	21.0	
8 Butadiene	54	1.665	1.659	0.006	96	48488	20.0	19.7	
9 Bromomethane	94	1.927	1.915	0.012	99	42533	20.0	19.9	
10 Chloroethane	64	1.982	1.970	0.012	99	33678	20.0	20.8	
11 Dichlorofluoromethane	67	2.158	2.146	0.012	99	103651	20.0	21.6	
13 Pentane	72	2.171	2.165	0.006	98	12926	40.0	57.4	
12 Trichlorofluoromethane	101	2.171	2.165	0.006	61	71218	20.0	22.2	
15 Ethyl ether	74	2.347	2.342	0.005	94	30011	20.0	20.4	
14 Ethanol	46	2.317	2.348	-0.031	91	5760	800.0	812.5	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	91	39113	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.414	2.402	0.012	89	49955	20.0	22.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	89	77865	20.0	22.5	
19 Acrolein	56	2.512	2.506	0.006	94	16079	39.5	40.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.536	2.524	0.012	95	43576	20.0	20.9	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	97	48897	20.0	22.3	
22 Acetone	43	2.628	2.616	0.012	87	57417	100.0	102.6	
23 Iodomethane	142	2.701	2.689	0.012	96	94174	20.0	22.3	
25 Isopropyl alcohol	45	2.695	2.707	-0.012	64	18832	200.0	213.8	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	169543	20.0	21.5	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	100	32421	20.0	23.1	
27 Methyl acetate	43	2.853	2.848	0.005	98	66358	40.0	46.3	
28 Cyclopentene	67	2.866	2.860	0.006	93	95467	20.0	22.6	
29 Acetonitrile	41	2.902	2.896	0.006	97	58453	200.0	209.9	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	29440	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	90	56852	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	94	34556	200.0	218.2	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	143257	20.0	21.4	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	52802	20.0	21.7	
35 Acrylonitrile	53	3.213	3.207	0.006	95	179230	200.0	230.1	
36 Hexane	57	3.298	3.293	0.005	91	52445	20.0	19.8	
37 Isopropyl ether	45	3.506	3.500	0.006	95	151692	20.0	21.6	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	87321	20.0	22.6	
39 Vinyl acetate	86	3.542	3.543	0.000	100	20073	40.0	43.9	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	45386	20.0	24.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	91	150226	20.0	22.6	
* 42 2-Butanone-d5	46	3.993	3.988	0.005	0	204915	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.012	0.006	93	18539	20.0	23.2	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	56651	20.0	21.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	24854	100.0	111.0	
46 Ethyl acetate	70	4.048	4.049	0.000	95	9829	40.0	41.3	
47 Methyl acrylate	55	4.103	4.097	0.006	99	40856	20.0	23.7	
48 Propionitrile	54	4.170	4.170	0.000	98	59903	200.0	216.1	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	72	11905	40.0	38.1	
49 Chlorobromomethane	128	4.249	4.250	-0.001	87	27864	20.0	21.1	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	202693	200.0	237.4	
52 Chloroform	83	4.304	4.298	0.006	99	81937	20.0	21.7	
53 Cyclohexane	84	4.438	4.439	-0.001	90	64279	20.0	22.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	96	71222	20.0	22.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122497	50.0	50.2	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	97	61035	20.0	21.9	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	61082	20.0	22.1	
58 Isobutyl alcohol	43	4.713	4.707	0.006	94	26159	500.0	435.3	
59 Isooctane	57	4.762	4.756	0.006	99	155097	20.0	21.9	
60 Benzene	78	4.786	4.786	0.000	96	194596	20.0	22.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119329	50.0	49.6	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	27860	20.0	26.2	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	150610	20.0	22.4	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	96	55883	20.0	21.9	
65 n-Heptane	100	4.944	4.932	0.012	89	10350	20.0	18.8	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	471263	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	89	17365	500.0	490.0	
68 Trichloroethene	95	5.414	5.408	0.006	96	49227	20.0	21.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	82	72938	20.0	21.6	
70 Ethyl acrylate	99	5.530	5.536	-0.006	97	6762	20.0	22.4	
71 1,2-Dichloropropane	63	5.700	5.695	0.005	96	49904	20.0	22.5	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	22382	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	86	23058	40.0	43.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	6309	400.0	372.4	
74 Dibromomethane	93	5.822	5.823	-0.001	90	30473	20.0	22.5	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	58344	20.0	23.7	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	58857	20.0	21.2	
78 2-Nitropropane	41	6.310	6.310	0.000	79	18545	40.0	44.5	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	85	27027	20.0	20.8	
80 Epichlorohydrin	57	6.414	6.408	0.006	95	4358	20.0	23.5	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	70421	20.0	20.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	86418	100.0	108.8	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	454569	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195829	20.0	20.2	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	65919	20.0	22.6	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	54296	20.0	22.0	
87 1,1,2-Trichloroethane	83	7.346	7.347	-0.001	97	35984	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	51618	20.0	21.7	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	67337	20.0	22.2	
90 2-Hexanone	43	7.621	7.621	0.000	95	120435	100.0	113.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	61599	20.0	22.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	47013	20.0	21.9	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	42234	20.0	21.9	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	355889	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	130565	20.0	21.2	
96 Ethylbenzene	106	8.621	8.621	0.000	98	70184	20.0	21.7	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	49109	20.0	21.7	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	85525	20.0	21.6	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	33015	20.0	21.3	
99 o-Xylene	106	9.297	9.297	0.000	95	87841	20.0	21.8	
101 Styrene	104	9.328	9.328	0.000	97	134115	20.0	22.2	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	76270	20.0	23.3	
102 Bromoform	173	9.566	9.566	0.000	61	31288	20.0	20.5	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	227888	20.0	23.0	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	148521	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	95	57889	20.0	21.6	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	57173	20.0	23.2	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	268147	20.0	23.0	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	96	15661	20.0	22.8	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	90	13273	20.0	23.7	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	177770	20.0	22.3	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	227231	20.0	23.0	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	95	189411	20.0	23.0	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	160648	20.0	21.9	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	62882	20.0	19.5	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	162251	20.0	22.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	193064	20.0	22.2	
118 sec-Butylbenzene	105	10.888	10.889	-0.001	99	252232	20.0	23.0	
119 1,3-Dichlorobenzene	146	11.016	11.017	-0.001	98	114859	20.0	22.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	216057	20.0	23.0	
* 121 1,4-Dichlorobenzene-d4	152	11.083	11.084	-0.001	94	200661	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	96	114822	20.0	21.9	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	211006	20.0	22.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	114163	20.0	23.7	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	209766	20.0	23.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	144381	20.0	23.2	
127 n-Butylbenzene	92	11.394	11.395	-0.001	98	114876	20.0	23.1	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	115406	20.0	22.1	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	225025	20.0	23.3	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	13298	20.0	21.7	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	105499	20.0	22.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	100015	20.0	22.6	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	43291	20.0	23.5	
134 Naphthalene	128	12.925	12.925	0.000	99	234233	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	13.107	13.108	-0.001	96	96742	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.2	
S 137 Xylenes, Total	100				0		40.0	43.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.5	
S 140 Total BTEX	1				0		100.0	107.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN SP_00162	Amount Added:	4.00	Units: uL	
GAS C SP_00555	Amount Added:	20.00	Units: uL	
7 Freons SS_00011	Amount Added:	20.00	Units: uL	
8260 SP_00177	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Feb-2024 06:21:42 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D

Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17

Lims ID: ICV

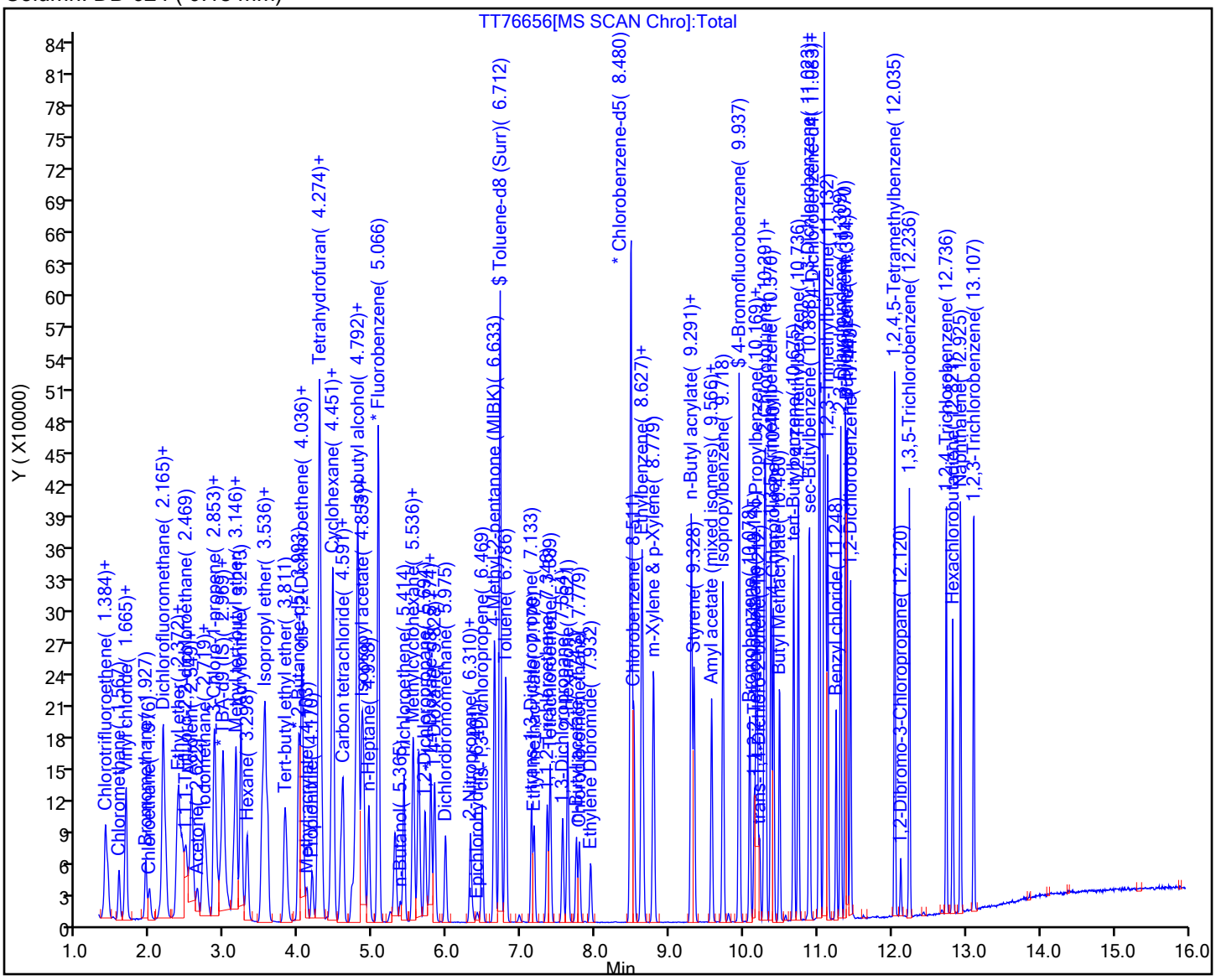
Client ID:

Operator ID: ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0883	0.0994		22.5	20.0	12.5	30.0
1,1-Difluoroethane	Ave	0.1205	0.1497		24.8	20.0	24.2	30.0
Dichlorodifluoromethane	Ave	0.3066	0.3065	0.1000	20.0	20.0	-0.0	30.0
Chlorodifluoromethane	Ave	0.0418	0.0416		19.9	20.0	-0.5	30.0
Chloromethane	Ave	0.3264	0.3131	0.1000	19.2	20.0	-4.1	30.0
Vinyl chloride	Ave	0.3024	0.3177	0.1000	21.0	20.0	5.1	30.0
Butadiene	Ave	0.2608	0.2572		19.7	20.0	-1.4	30.0
Bromomethane	Ave	0.2273	0.2256	0.1000	19.9	20.0	-0.7	30.0
Chloroethane	Ave	0.1719	0.1787	0.1000	20.8	20.0	3.9	30.0
Dichlorofluoromethane	Ave	0.5087	0.5499		21.6	20.0	8.1	30.0
Pentane	QuaF		0.0343		57.4	40.0	43.4*	30.0
Trichlorofluoromethane	Ave	0.3411	0.3778	0.1000	22.2	20.0	10.8	30.0
Ethanol	Ave	0.2408	0.2446		812	800	1.6	30.0
Ethyl ether	Ave	0.1558	0.1592		20.4	20.0	2.2	30.0
2-Methyl-1,3-butadiene	Ave	0.1730	0.2075		24.0	20.0	20.0	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2414	0.2650		22.0	20.0	9.8	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3672	0.4131		22.5	20.0	12.5	30.0
Acrolein	Ave	0.0421	0.0432		40.5	39.5	2.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2312	0.1000	20.9	20.0	4.5	30.0
1,1-Dichloroethene	Ave	0.2323	0.2594	0.1000	22.3	20.0	11.7	30.0
Acetone	QuaF		0.7005	0.0500	103	100	2.6	30.0
Isopropyl alcohol	Ave	2.993	3.198		214	200	6.9	30.0
Iodomethane	Ave	0.4477	0.4996		22.3	20.0	11.6	30.0
Carbon disulfide	Ave	0.8348	0.8994	0.1000	21.5	20.0	7.7	30.0
3-Chloro-1-propene	Ave	0.1489	0.1720		23.1	20.0	15.5	30.0
Methyl acetate	Ave	0.1520	0.1760	0.1000	46.3	40.0	15.8	30.0
Cyclopentene	Ave	0.4482	0.5064		22.6	20.0	13.0	30.0
Acetonitrile	Ave	0.3397	0.3566		210	200	5.0	30.0
Methylene Chloride	Ave	0.2699	0.3016	0.1000	22.3	20.0	11.7	30.0
2-Methyl-2-propanol	Ave	5.379	5.869		218	200	9.1	30.0
Methyl tert-butyl ether	Ave	0.7087	0.7600	0.1000	21.4	20.0	7.2	30.0
trans-1,2-Dichloroethene	Ave	0.2581	0.2801	0.1000	21.7	20.0	8.5	30.0
Acrylonitrile	Ave	0.0826	0.0951		230	200	15.1	30.0
Hexane	Ave	0.2804	0.2782		19.8	20.0	-0.8	30.0
Isopropyl ether	Ave	0.7434	0.8047		21.6	20.0	8.2	30.0
1,1-Dichloroethane	Ave	0.4097	0.4632	0.2000	22.6	20.0	13.1	30.0
Vinyl acetate	Ave	0.5581	0.6122		43.9	40.0	9.7	30.0
2-Chloro-1,3-butadiene	Ave	0.1982	0.2408		24.3	20.0	21.5	30.0
Tert-butyl ethyl ether	Ave	0.7063	0.7969		22.6	20.0	12.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.0847	0.0983		23.2	20.0	16.2	30.0
cis-1,2-Dichloroethene	Ave	0.2790	0.3005	0.1000	21.5	20.0	7.7	30.0
2-Butanone (MEK)	Ave	0.2731	0.3032	0.0500	111	100	11.0	30.0
Ethyl acetate	Ave	0.2901	0.2998		41.3	40.0	3.4	30.0
Methyl acrylate	Ave	0.1829	0.2167		23.7	20.0	18.5	30.0
Propionitrile	Ave	9.414	10.17		216	200	8.1	30.0
Tetrahydrofuran	Qua2		0.3631		38.1	40.0	-4.8	30.0
Chlorobromomethane	Ave	0.1400	0.1478		21.1	20.0	5.6	30.0
Methacrylonitrile	Ave	0.0906	0.1075		237	200	18.7	30.0
Chloroform	Ave	0.4015	0.4347	0.2000	21.7	20.0	8.3	30.0
Cyclohexane	Ave	0.3071	0.3410	0.1000	22.2	20.0	11.0	30.0
1,1,1-Trichloroethane	Ave	0.3428	0.3778	0.1000	22.0	20.0	10.2	30.0
Carbon tetrachloride	Ave	0.2958	0.3238	0.1000	21.9	20.0	9.5	30.0
1,1-Dichloropropene	Ave	0.2938	0.3240		22.1	20.0	10.3	30.0
Isobutyl alcohol	QuaF		1.777		435	500	-12.9	30.0
Isooctane	Ave	0.7511	0.8228		21.9	20.0	9.5	30.0
Benzene	Ave	1.229	1.367	0.5000	22.3	20.0	11.3	30.0
Isopropyl acetate	Ave	0.1129	0.1478		26.2	20.0	30.9*	30.0
Tert-amyl methyl ether	Ave	0.7133	0.7990		22.4	20.0	12.0	30.0
1,2-Dichloroethane	Ave	0.2711	0.2965	0.1000	21.9	20.0	9.4	30.0
n-Heptane	Qua2		0.0549		18.8	20.0	-6.0	30.0
n-Butanol	QuaF		1.180		490	500	-2.0	30.0
Trichloroethene	Ave	0.2392	0.2611	0.2000	21.8	20.0	9.2	30.0
Ethyl acrylate	QuaF		0.0359		22.4	20.0	12.1	30.0
Methylcyclohexane	Ave	0.3580	0.3869	0.1000	21.6	20.0	8.1	30.0
1,2-Dichloropropane	Ave	0.2355	0.2647	0.1000	22.5	20.0	12.4	30.0
Methyl methacrylate	Ave	0.0565	0.0612		43.3	40.0	8.2	30.0
1,4-Dioxane	Ave	0.7569	0.7047		372	400	-6.9	30.0
Dibromomethane	Ave	0.1435	0.1617		22.5	20.0	12.7	30.0
n-Propyl acetate	Ave	0.2612	0.3095		23.7	20.0	18.5	30.0
Dichlorobromomethane	Ave	0.2942	0.3122	0.2000	21.2	20.0	6.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1381	0.1434		20.8	20.0	3.8	30.0
2-Nitropropane	Lin2		0.0492		44.5	40.0	11.1	30.0
Epichlorohydrin	Ave	0.2262	0.2658		23.5	20.0	17.5	30.0
cis-1,3-Dichloropropene	Ave	0.4735	0.4947	0.2000	20.9	20.0	4.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9689	1.054	0.0500	109	100	8.8	30.0
Toluene	Ave	1.362	1.376	0.4000	20.2	20.0	1.0	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4631	0.1000	22.6	20.0	13.2	30.0
Ethyl methacrylate	Ave	0.3462	0.3814		22.0	20.0	10.2	30.0
1,1,2-Trichloroethane	Ave	0.2322	0.2528	0.1000	21.8	20.0	8.9	30.0
Tetrachloroethene	Ave	0.3348	0.3626	0.2000	21.7	20.0	8.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4257	0.4730		22.2	20.0	11.1	30.0
2-Hexanone	Ave	1.297	1.469	0.0500	113	100	13.3	30.0
n-Butyl acetate	Ave	0.3824	0.4327		22.6	20.0	13.2	30.0
Chlorodibromomethane	Ave	0.3018	0.3303	0.1000	21.9	20.0	9.4	30.0
Ethylene Dibromide	Ave	0.2707	0.2967	0.1000	21.9	20.0	9.6	30.0
Chlorobenzene	Ave	0.8646	0.9172	0.5000	21.2	20.0	6.1	30.0
Ethylbenzene	Ave	0.4542	0.4930	0.1000	21.7	20.0	8.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3177	0.3450		21.7	20.0	8.6	30.0
m-Xylene & p-Xylene	Ave	0.5554	0.6008	0.1000	21.6	20.0	8.2	30.0
n-Butyl acrylate	Ave	0.2179	0.2319		21.3	20.0	6.4	30.0
o-Xylene	Ave	0.5671	0.6171	0.3000	21.8	20.0	8.8	30.0
Styrene	Ave	0.8500	0.9421	0.3000	22.2	20.0	10.8	30.0
Amyl acetate (mixed isomers)	Ave	0.8165	0.9502		23.3	20.0	16.4	30.0
Bromoform	Ave	0.2144	0.2198	0.1000	20.5	20.0	2.5	30.0
Isopropylbenzene	Ave	1.389	1.601	0.1000	23.0	20.0	15.2	30.0
Bromobenzene	Ave	0.6693	0.7212		21.6	20.0	7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6139	0.7123	0.3000	23.2	20.0	16.0	30.0
N-Propylbenzene	Ave	2.902	3.341		23.0	20.0	15.1	30.0
1,2,3-Trichloropropane	Ave	0.1708	0.1951		22.8	20.0	14.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1397	0.1654		23.7	20.0	18.4	30.0
2-Chlorotoluene	Ave	1.990	2.215		22.3	20.0	11.3	30.0
4-Ethyltoluene	Ave	2.465	2.831		23.0	20.0	14.8	30.0
1,3,5-Trimethylbenzene	Ave	2.048	2.360		23.0	20.0	15.2	30.0
4-Chlorotoluene	Ave	1.829	2.001		21.9	20.0	9.4	30.0
Butyl Methacrylate	QuaF		0.7834		19.5	20.0	-2.5	30.0
tert-Butylbenzene	Ave	1.802	2.021		22.4	20.0	12.2	30.0
1,2,4-Trimethylbenzene	Ave	2.166	2.405		22.2	20.0	11.1	30.0
sec-Butylbenzene	Ave	2.730	3.143		23.0	20.0	15.1	30.0
1,3-Dichlorobenzene	Ave	1.296	1.431	0.6000	22.1	20.0	10.4	30.0
4-Isopropyltoluene	Ave	2.344	2.692		23.0	20.0	14.9	30.0
1,4-Dichlorobenzene	Ave	1.308	1.431	0.5000	21.9	20.0	9.4	30.0
1,2,3-Trimethylbenzene	Ave	2.352	2.629		22.4	20.0	11.8	30.0
Benzyl chloride	Ave	1.202	1.422		23.7	20.0	18.4	30.0
Indan	Ave	2.260	2.613		23.1	20.0	15.7	30.0
p-Diethylbenzene	Ave	1.549	1.799		23.2	20.0	16.1	30.0
n-Butylbenzene	Ave	1.240	1.431		23.1	20.0	15.4	30.0
1,2-Dichlorobenzene	Ave	1.302	1.438	0.4000	22.1	20.0	10.4	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.406	2.804		23.3	20.0	16.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1528	0.1657	0.0500	21.7	20.0	8.4	30.0
1,3,5-Trichlorobenzene	Ave	1.155	1.314		22.8	20.0	13.8	30.0
1,2,4-Trichlorobenzene	Ave	1.103	1.246	0.2000	22.6	20.0	13.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.4584	0.5394		23.5	20.0	17.7	30.0
Naphthalene	Ave	2.524	2.918		23.1	20.0	15.6	30.0
1,2,3-Trichlorobenzene	Ave	1.085	1.205		22.2	20.0	11.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2588	0.2599		50.2	50.0	0.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2551	0.2532		49.6	50.0	-0.7	30.0
Toluene-d8 (Surr)	Ave	1.267	1.277		50.4	50.0	0.8	30.0
4-Bromofluorobenzene	Ave	0.4159	0.4173		50.2	50.0	0.3	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2024 10:59:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0172593-014
Operator ID: Instrument ID: CVOAMS17
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Feb-2024 06:21:41 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1673

First Level Reviewer: FK2C Date: 23-Feb-2024 06:21:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	18731	20.0	22.5	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	97	28228	20.0	24.8	
4 Dichlorodifluoromethane	85	1.402	1.390	0.012	80	57771	20.0	20.0	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	95	7837	20.0	19.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	59015	20.0	19.2	
7 Vinyl chloride	62	1.652	1.647	0.005	97	59890	20.0	21.0	
8 Butadiene	54	1.665	1.659	0.006	96	48488	20.0	19.7	
9 Bromomethane	94	1.927	1.915	0.012	99	42533	20.0	19.9	
10 Chloroethane	64	1.982	1.970	0.012	99	33678	20.0	20.8	
11 Dichlorofluoromethane	67	2.158	2.146	0.012	99	103651	20.0	21.6	
13 Pentane	72	2.171	2.165	0.006	98	12926	40.0	57.4	
12 Trichlorofluoromethane	101	2.171	2.165	0.006	61	71218	20.0	22.2	
15 Ethyl ether	74	2.347	2.342	0.005	94	30011	20.0	20.4	
14 Ethanol	46	2.317	2.348	-0.031	91	5760	800.0	812.5	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	91	39113	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.414	2.402	0.012	89	49955	20.0	22.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	89	77865	20.0	22.5	
19 Acrolein	56	2.512	2.506	0.006	94	16079	39.5	40.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.536	2.524	0.012	95	43576	20.0	20.9	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	97	48897	20.0	22.3	
22 Acetone	43	2.628	2.616	0.012	87	57417	100.0	102.6	
23 Iodomethane	142	2.701	2.689	0.012	96	94174	20.0	22.3	
25 Isopropyl alcohol	45	2.695	2.707	-0.012	64	18832	200.0	213.8	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	169543	20.0	21.5	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	100	32421	20.0	23.1	
27 Methyl acetate	43	2.853	2.848	0.005	98	66358	40.0	46.3	
28 Cyclopentene	67	2.866	2.860	0.006	93	95467	20.0	22.6	
29 Acetonitrile	41	2.902	2.896	0.006	97	58453	200.0	209.9	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	29440	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	90	56852	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	94	34556	200.0	218.2	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	143257	20.0	21.4	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	52802	20.0	21.7	
35 Acrylonitrile	53	3.213	3.207	0.006	95	179230	200.0	230.1	
36 Hexane	57	3.298	3.293	0.005	91	52445	20.0	19.8	
37 Isopropyl ether	45	3.506	3.500	0.006	95	151692	20.0	21.6	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	87321	20.0	22.6	
39 Vinyl acetate	86	3.542	3.543	0.000	100	20073	40.0	43.9	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	45386	20.0	24.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	91	150226	20.0	22.6	
* 42 2-Butanone-d5	46	3.993	3.988	0.005	0	204915	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.012	0.006	93	18539	20.0	23.2	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	56651	20.0	21.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	24854	100.0	111.0	
46 Ethyl acetate	70	4.048	4.049	0.000	95	9829	40.0	41.3	
47 Methyl acrylate	55	4.103	4.097	0.006	99	40856	20.0	23.7	
48 Propionitrile	54	4.170	4.170	0.000	98	59903	200.0	216.1	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	72	11905	40.0	38.1	
49 Chlorobromomethane	128	4.249	4.250	-0.001	87	27864	20.0	21.1	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	202693	200.0	237.4	
52 Chloroform	83	4.304	4.298	0.006	99	81937	20.0	21.7	
53 Cyclohexane	84	4.438	4.439	-0.001	90	64279	20.0	22.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	96	71222	20.0	22.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122497	50.0	50.2	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	97	61035	20.0	21.9	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	61082	20.0	22.1	
58 Isobutyl alcohol	43	4.713	4.707	0.006	94	26159	500.0	435.3	
59 Isooctane	57	4.762	4.756	0.006	99	155097	20.0	21.9	
60 Benzene	78	4.786	4.786	0.000	96	194596	20.0	22.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119329	50.0	49.6	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	27860	20.0	26.2	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	150610	20.0	22.4	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	96	55883	20.0	21.9	
65 n-Heptane	100	4.944	4.932	0.012	89	10350	20.0	18.8	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	471263	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	89	17365	500.0	490.0	
68 Trichloroethene	95	5.414	5.408	0.006	96	49227	20.0	21.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	82	72938	20.0	21.6	
70 Ethyl acrylate	99	5.530	5.536	-0.006	97	6762	20.0	22.4	
71 1,2-Dichloropropane	63	5.700	5.695	0.005	96	49904	20.0	22.5	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	22382	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	86	23058	40.0	43.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	6309	400.0	372.4	
74 Dibromomethane	93	5.822	5.823	-0.001	90	30473	20.0	22.5	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	58344	20.0	23.7	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	58857	20.0	21.2	
78 2-Nitropropane	41	6.310	6.310	0.000	79	18545	40.0	44.5	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	85	27027	20.0	20.8	
80 Epichlorohydrin	57	6.414	6.408	0.006	95	4358	20.0	23.5	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	70421	20.0	20.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	86418	100.0	108.8	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	454569	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195829	20.0	20.2	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	65919	20.0	22.6	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	54296	20.0	22.0	
87 1,1,2-Trichloroethane	83	7.346	7.347	-0.001	97	35984	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	51618	20.0	21.7	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	67337	20.0	22.2	
90 2-Hexanone	43	7.621	7.621	0.000	95	120435	100.0	113.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	61599	20.0	22.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	47013	20.0	21.9	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	42234	20.0	21.9	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	355889	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	130565	20.0	21.2	
96 Ethylbenzene	106	8.621	8.621	0.000	98	70184	20.0	21.7	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	49109	20.0	21.7	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	85525	20.0	21.6	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	33015	20.0	21.3	
99 o-Xylene	106	9.297	9.297	0.000	95	87841	20.0	21.8	
101 Styrene	104	9.328	9.328	0.000	97	134115	20.0	22.2	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	76270	20.0	23.3	
102 Bromoform	173	9.566	9.566	0.000	61	31288	20.0	20.5	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	227888	20.0	23.0	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	148521	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	95	57889	20.0	21.6	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	57173	20.0	23.2	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	268147	20.0	23.0	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	96	15661	20.0	22.8	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	90	13273	20.0	23.7	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	177770	20.0	22.3	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	227231	20.0	23.0	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	95	189411	20.0	23.0	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	160648	20.0	21.9	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	62882	20.0	19.5	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	162251	20.0	22.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	193064	20.0	22.2	
118 sec-Butylbenzene	105	10.888	10.889	-0.001	99	252232	20.0	23.0	
119 1,3-Dichlorobenzene	146	11.016	11.017	-0.001	98	114859	20.0	22.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	216057	20.0	23.0	
* 121 1,4-Dichlorobenzene-d4	152	11.083	11.084	-0.001	94	200661	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	96	114822	20.0	21.9	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	211006	20.0	22.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	114163	20.0	23.7	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	209766	20.0	23.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	144381	20.0	23.2	
127 n-Butylbenzene	92	11.394	11.395	-0.001	98	114876	20.0	23.1	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	115406	20.0	22.1	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	225025	20.0	23.3	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	13298	20.0	21.7	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	105499	20.0	22.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	100015	20.0	22.6	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	43291	20.0	23.5	
134 Naphthalene	128	12.925	12.925	0.000	99	234233	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	13.107	13.108	-0.001	96	96742	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.2	
S 137 Xylenes, Total	100				0		40.0	43.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.5	
S 140 Total BTEX	1				0		100.0	107.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN SP_00162	Amount Added:	4.00	Units: uL	
GAS C SP_00555	Amount Added:	20.00	Units: uL	
7 Freons SS_00011	Amount Added:	20.00	Units: uL	
8260 SP_00177	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Feb-2024 06:21:42 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D

Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17

Lims ID: ICV

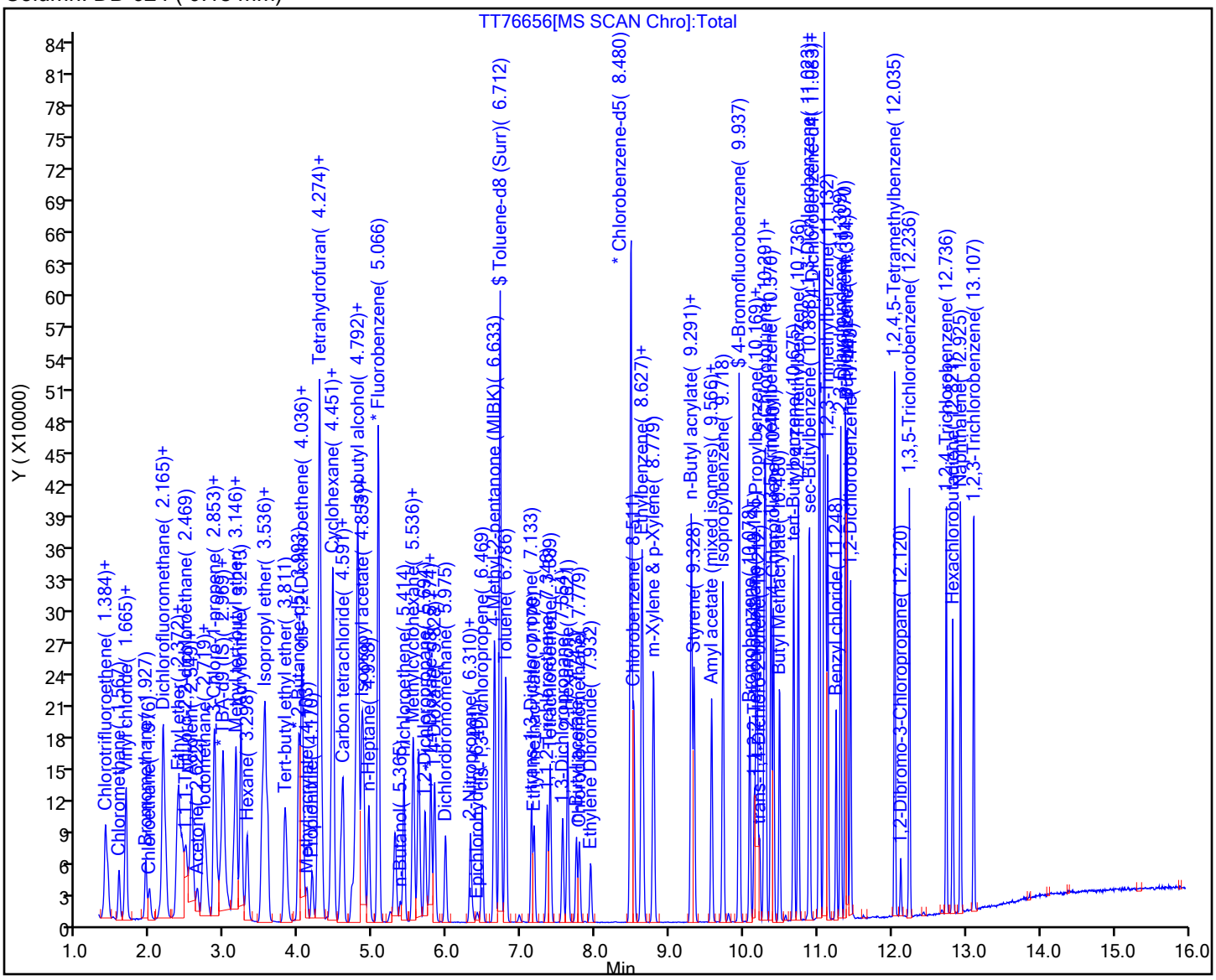
Client ID:

Operator ID: ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

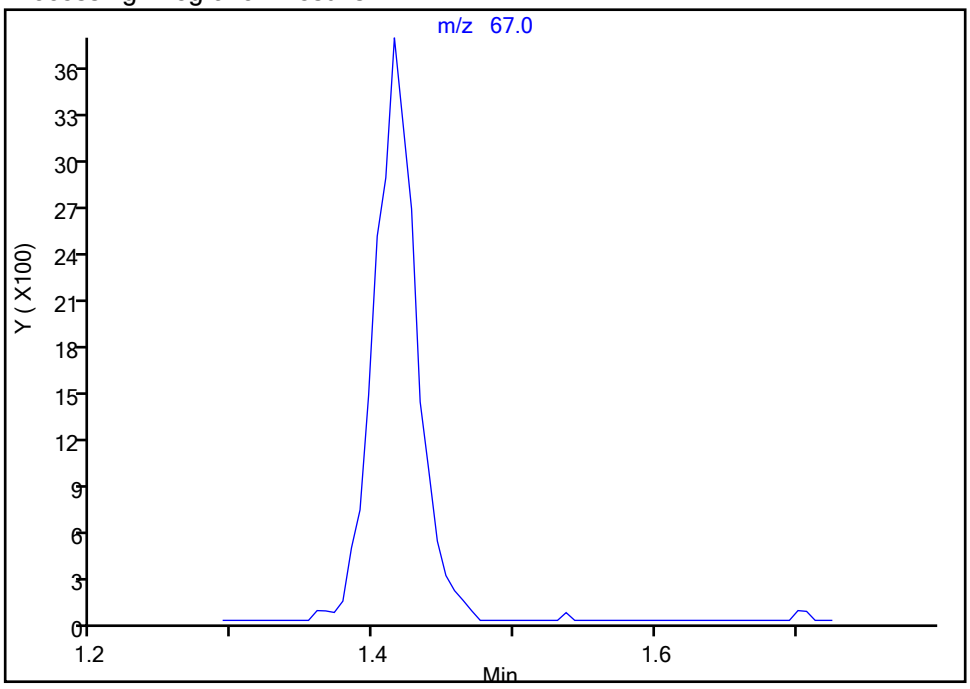
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

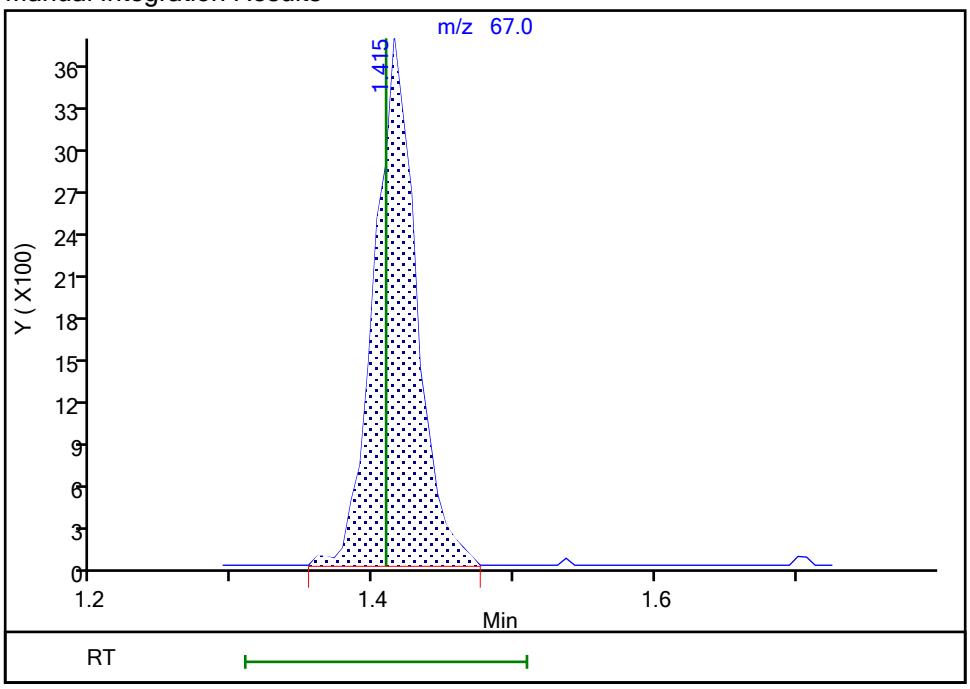
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 7837
Amount: 19.892297
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

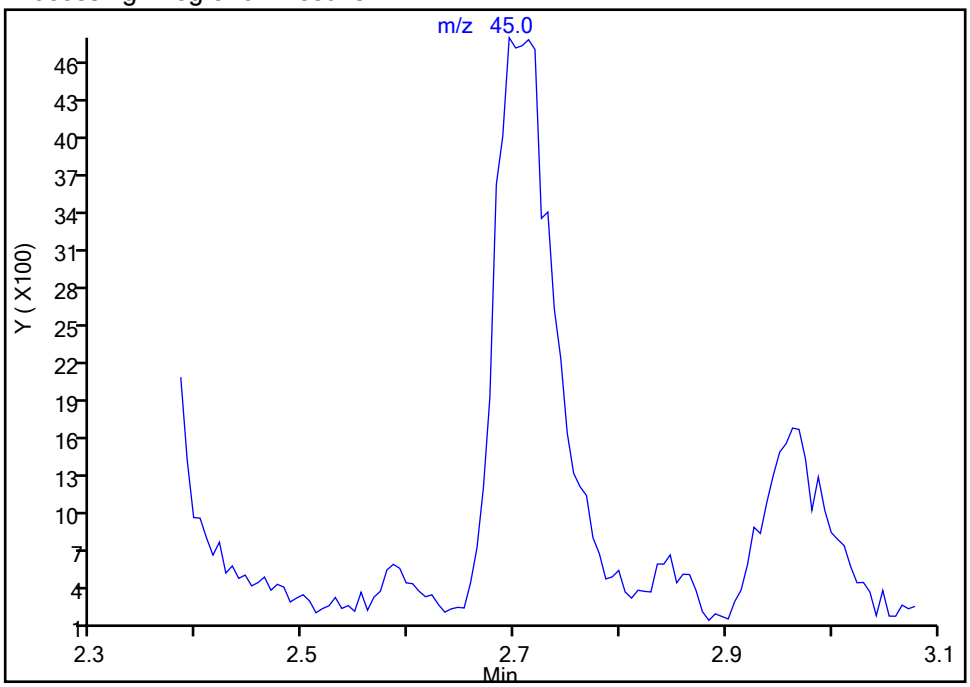
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

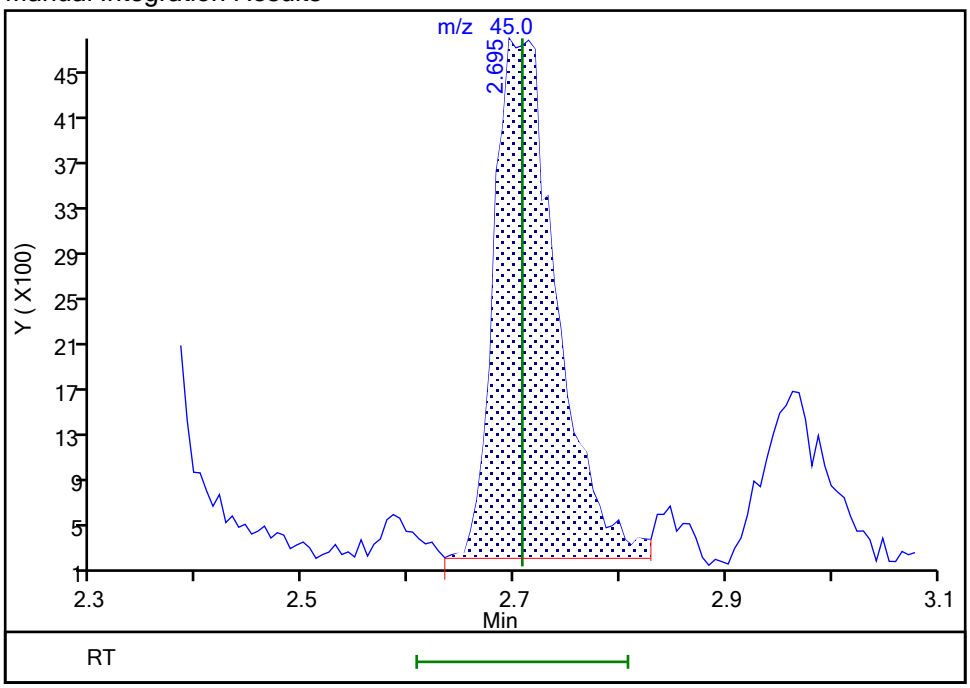
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.69
Area: 18832
Amount: 213.7511
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

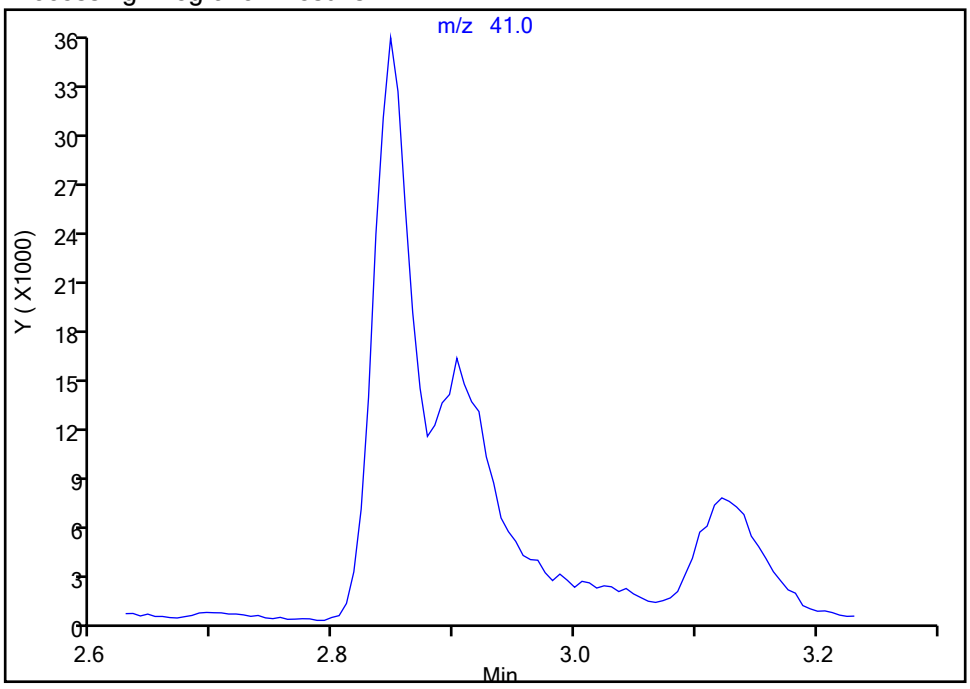
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

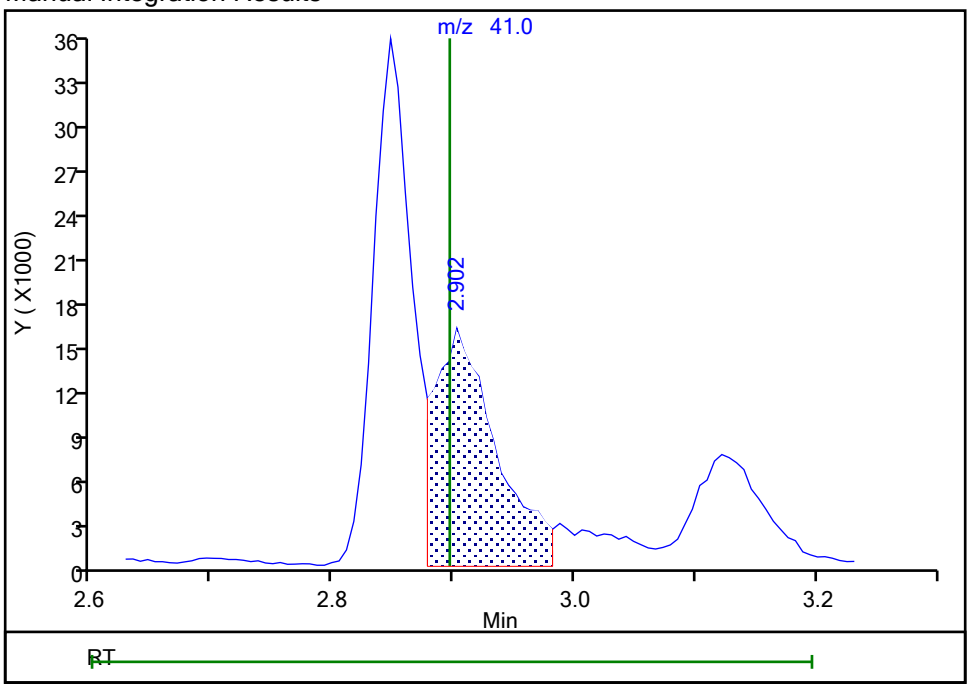
Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results

RT: 2.90
Area: 58453
Amount: 209.9368
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

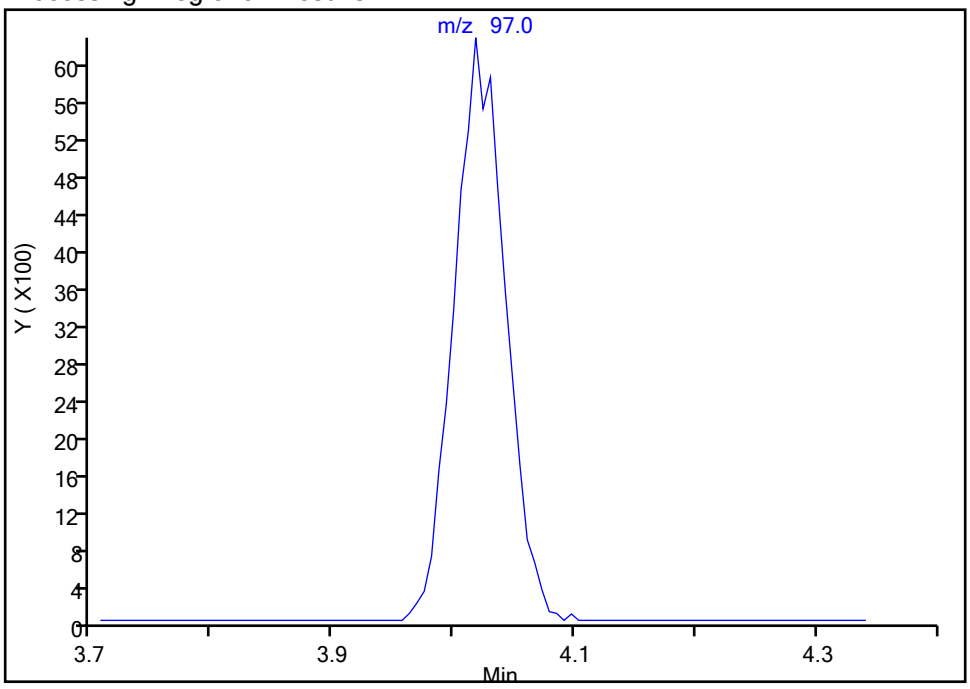
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

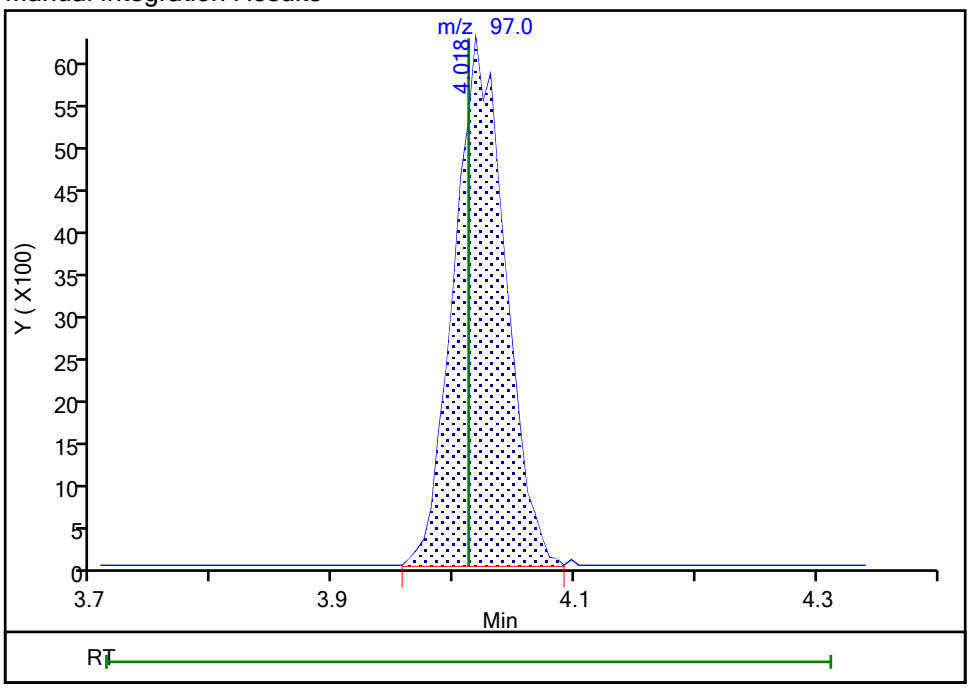
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 18539
Amount: 23.235816
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965386/3 Calibration Date: 03/22/2024 06:15

Instrument ID: CVOAMS17 Calib Start Date: 07/28/2023 03:54

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/28/2023 10:24

Lab File ID: TT77686.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0230			5.00	20.0		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 06:15:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0173682-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 06:36:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	86	20590	20.0	19.5	
2 1,1-Difluoroethane	65	1.384	1.384	0.000	96	36325	20.0	25.1	
4 Dichlorodifluoromethane	85	1.403	1.403	0.000	98	61214	20.0	16.7	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	12139	20.0	24.2	a
6 Chloromethane	50	1.561	1.561	0.000	99	68310	20.0	17.5	
7 Vinyl chloride	62	1.653	1.653	0.000	98	69395	20.0	19.2	
8 Butadiene	54	1.659	1.659	0.000	93	61219	20.0	19.6	
9 Bromomethane	94	1.921	1.921	0.000	99	50858	20.0	18.7	
10 Chloroethane	64	1.976	1.976	0.000	99	39206	20.0	19.0	
11 Dichlorofluoromethane	67	2.153	2.153	0.000	99	110914	20.0	18.2	
13 Pentane	72	2.165	2.165	0.000	95	13976	40.0	48.7	
12 Trichlorofluoromethane	101	2.171	2.171	0.000	95	74920	20.0	18.3	
14 Ethanol	46	2.341	2.341	0.000	75	10134	800.0	1153.9	
15 Ethyl ether	74	2.341	2.341	0.000	93	35491	20.0	19.0	
16 2-Methyl-1,3-butadiene	53	2.366	2.366	0.000	93	47684	20.0	23.0	a
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	87	63182	20.0	21.8	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	96	93905	20.0	21.3	
19 Acrolein	56	2.506	2.506	0.000	94	15815	40.0	31.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.530	2.530	0.000	97	54232	20.0	20.5	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	98	60402	20.0	21.7	
22 Acetone	43	2.622	2.622	0.000	90	64228	100.0	102.5	
23 Iodomethane	142	2.689	2.689	0.000	96	122796	20.0	22.9	
25 Isopropyl alcohol	45	2.701	2.701	0.000	74	25156	200.0	230.5	a
24 Carbon disulfide	76	2.719	2.719	0.000	98	223714	20.0	22.4	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	96	40033	20.0	22.4	
27 Methyl acetate	43	2.847	2.847	0.000	99	68022	40.0	37.3	
28 Cyclopentene	67	2.866	2.866	0.000	94	124828	20.0	23.2	
29 Acetonitrile	41	2.902	2.902	0.000	97	74529	200.0	239.2	
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	36472	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	90	74215	20.0	22.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.012	3.012	0.000	97	45668	200.0	232.8	
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	96	173455	20.0	20.4	
34 trans-1,2-Dichloroethene	96	3.146	3.146	0.000	93	68397	20.0	22.1	
35 Acrylonitrile	53	3.207	3.207	0.000	95	193736	200.0	195.7	
36 Hexane	57	3.293	3.293	0.000	90	60794	20.0	18.1	
37 Isopropyl ether	45	3.500	3.500	0.000	95	182703	20.0	20.5	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	110845	20.0	22.6	
39 Vinyl acetate	86	3.536	3.536	0.000	100	23098	40.0	45.1	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	53974	20.0	22.7	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	90	180615	20.0	21.3	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	229350	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.018	0.000	87	23083	20.0	22.8	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	71596	20.0	21.4	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	28200	100.0	112.5	
46 Ethyl acetate	70	4.048	4.048	0.000	95	10757	40.0	40.4	
47 Methyl acrylate	55	4.097	4.097	0.000	100	40957	20.0	18.7	
48 Propionitrile	54	4.170	4.170	0.000	98	68697	200.0	200.1	
50 Tetrahydrofuran	72	4.244	4.244	0.000	56	13295	40.0	38.0	
49 Chlorobromomethane	128	4.250	4.250	0.000	84	35805	20.0	21.3	
51 Methacrylonitrile	67	4.274	4.274	0.000	88	216598	200.0	199.6	
52 Chloroform	83	4.298	4.298	0.000	99	103856	20.0	21.6	
53 Cyclohexane	84	4.433	4.433	0.000	89	84966	20.0	23.1	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	96	89680	20.0	21.8	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	152734	50.0	49.2	
56 Carbon tetrachloride	117	4.561	4.561	0.000	96	78018	20.0	22.0	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	98	80260	20.0	22.8	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	38762	500.0	520.6	
59 Isooctane	57	4.756	4.756	0.000	98	162156	20.0	18.0	
60 Benzene	78	4.780	4.780	0.000	96	247413	20.0	22.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	149227	50.0	48.8	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	28132	20.0	20.8	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	179316	20.0	21.0	
64 1,2-Dichloroethane	62	4.865	4.865	0.000	96	67192	20.0	20.7	
65 n-Heptane	100	4.939	4.939	0.000	89	11030	20.0	15.7	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	599139	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	86	27045	500.0	614.4	
68 Trichloroethene	95	5.408	5.408	0.000	96	60407	20.0	21.1	
70 Ethyl acrylate	99	5.530	5.530	0.000	96	7714	20.0	20.1	
69 Methylcyclohexane	83	5.530	5.530	0.000	80	89114	20.0	20.8	
71 1,2-Dichloropropane	63	5.688	5.688	0.000	95	61225	20.0	21.7	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	25396	1000.0	1000.0	
73 Methyl methacrylate	100	5.768	5.768	0.000	87	24985	40.0	36.9	
75 1,4-Dioxane	88	5.798	5.798	0.000	84	11381	400.0	592.1	
74 Dibromomethane	93	5.816	5.816	0.000	93	34610	20.0	20.1	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	58805	20.0	18.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	70146	20.0	19.9	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	86	30704	20.0	18.5	
78 2-Nitropropane	41	6.304	6.304	0.000	83	18753	40.0	35.2	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	87814	400.0	423.2	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	91847	20.0	21.8	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	94	91736	100.0	103.2	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	570923	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.780	6.780	0.000	93	252018	20.0	20.8	
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	93	77828	20.0	21.4	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	60739	20.0	19.7	
87 1,1,2-Trichloroethane	83	7.341	7.341	0.000	96	42133	20.0	20.4	
88 Tetrachloroethene	166	7.383	7.383	0.000	96	65224	20.0	21.9	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	91	81882	20.0	21.6	
90 2-Hexanone	43	7.615	7.615	0.000	95	125676	100.0	105.6	
91 n-Butyl acetate	43	7.737	7.737	0.000	97	65074	20.0	19.2	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	53218	20.0	19.8	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	48110	20.0	20.0	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	444255	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	165929	20.0	21.6	
96 Ethylbenzene	106	8.615	8.615	0.000	98	89485	20.0	22.2	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	97	59843	20.0	21.2	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	109149	20.0	22.1	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	37527	20.0	19.4	
99 o-Xylene	106	9.285	9.285	0.000	94	111415	20.0	22.1	
101 Styrene	104	9.322	9.322	0.000	96	167101	20.0	22.1	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	92	81942	20.0	19.4	
102 Bromoform	173	9.560	9.560	0.000	65	38910	20.0	20.4	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	278606	20.0	22.6	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	96	201786	50.0	54.6	
106 Bromobenzene	156	10.078	10.078	0.000	94	76507	20.0	22.1	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	64336	20.0	20.2	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	333330	20.0	22.2	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	97	17554	20.0	19.9	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	95	13687	20.0	18.9	
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	225115	20.0	21.9	
112 4-Ethyltoluene	105	10.291	10.291	0.000	97	277456	20.0	21.7	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	238369	20.0	22.5	
114 4-Chlorotoluene	91	10.395	10.395	0.000	96	205236	20.0	21.7	
115 Butyl Methacrylate	87	10.480	10.480	0.000	88	71774	20.0	17.3	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	197905	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	252732	20.0	22.5	
118 sec-Butylbenzene	105	10.883	10.883	0.000	99	311724	20.0	22.1	
119 1,3-Dichlorobenzene	146	11.011	11.011	0.000	97	145469	20.0	21.7	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	272846	20.0	22.5	a
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	258757	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	97	147342	20.0	21.8	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	267319	20.0	22.0	
124 Benzyl chloride	91	11.242	11.242	0.000	99	122971	20.0	19.8	a
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	255947	20.0	21.9	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	171816	20.0	21.4	
127 n-Butylbenzene	92	11.389	11.389	0.000	98	141253	20.0	22.0	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	146401	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	268831	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	93	14942	20.0	18.9	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	139474	20.0	23.3	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	132418	20.0	23.2	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	98	66109	20.0	27.9	
134 Naphthalene	128	12.925	12.925	0.000	100	264875	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	127273	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 137 Xylenes, Total	100				0		40.0	44.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.2	
S 140 Total BTEX	1				0		100.0	109.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 09:50:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D

Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

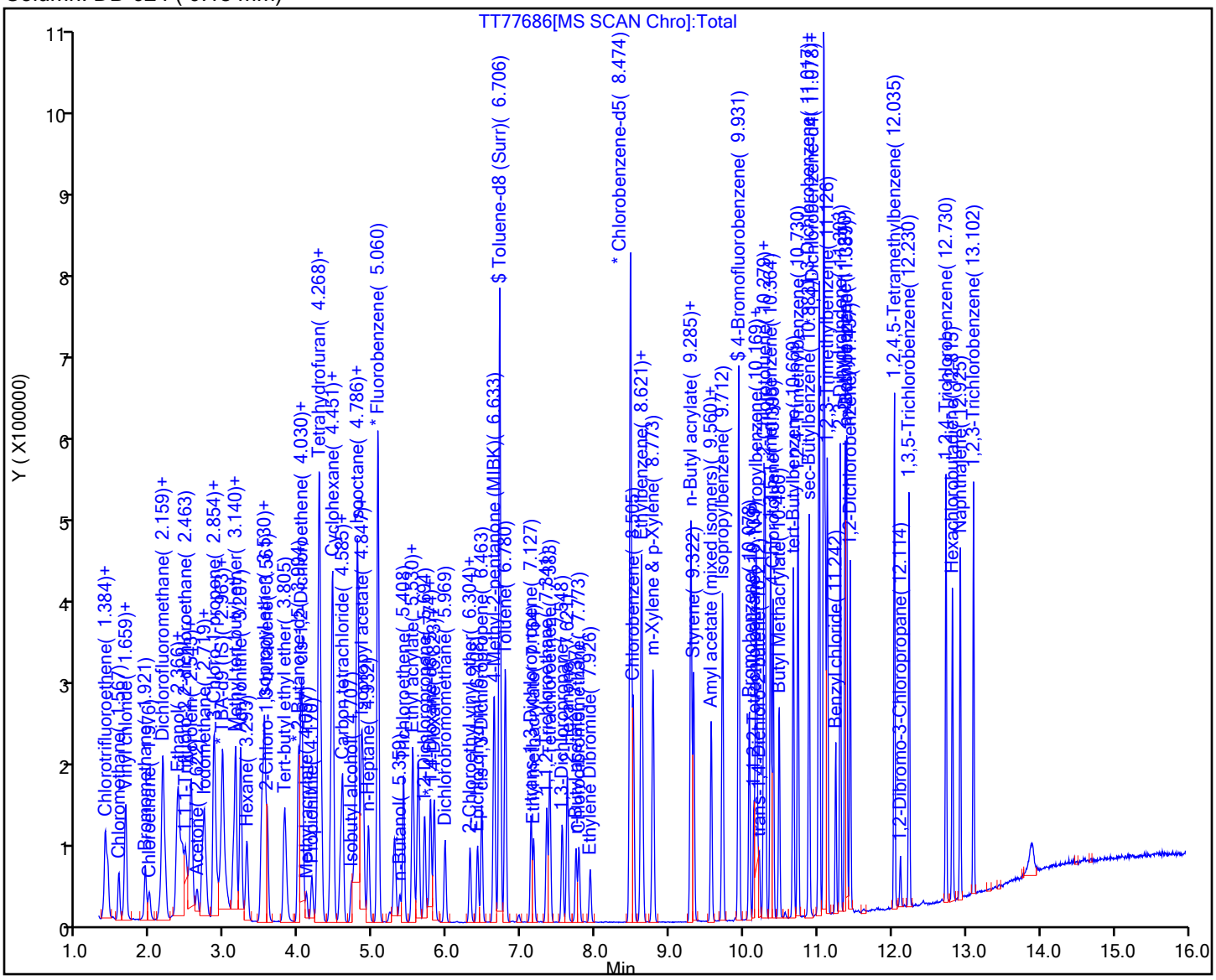
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965386/3 Calibration Date: 03/22/2024 06:15

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77686.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0883	0.0859		19.5	20.0	-2.7	20.0
1,1-Difluoroethane	Ave	0.1205	0.1516		25.1	20.0	25.7*	20.0
Dichlorodifluoromethane	Ave	0.3066	0.2554	0.1000	16.7	20.0	-16.7	20.0
Chlorodifluoromethane	Ave	0.0418	0.0507		24.2	20.0	21.2*	20.0
Chloromethane	Ave	0.3264	0.2850	0.1000	17.5	20.0	-12.7	20.0
Vinyl chloride	Ave	0.3024	0.2896	0.1000	19.2	20.0	-4.2	20.0
Butadiene	Ave	0.2608	0.2554		19.6	20.0	-2.0	20.0
Bromomethane	Ave	0.2273	0.2122	0.1000	18.7	20.0	-6.6	50.0
Chloroethane	Ave	0.1719	0.1636	0.1000	19.0	20.0	-4.8	50.0
Dichlorofluoromethane	Ave	0.5087	0.4628		18.2	20.0	-9.0	20.0
Pentane	QuaF		0.0292		48.7	40.0	21.9*	20.0
Trichlorofluoromethane	Ave	0.3411	0.3126	0.1000	18.3	20.0	-8.3	20.0
Ethanol	Ave	0.2408	0.3473		1150	800	44.2	50.0
Ethyl ether	Ave	0.1558	0.1481		19.0	20.0	-5.0	20.0
2-Methyl-1,3-butadiene	Ave	0.1730	0.1990		23.0	20.0	15.0	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2414	0.2636		21.8	20.0	9.2	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3672	0.3918		21.3	20.0	6.7	20.0
Acrolein	Ave	0.0421	0.0330		31.4	40.0	-21.6	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2263	0.1000	20.5	20.0	2.3	20.0
1,1-Dichloroethene	Ave	0.2323	0.2520	0.1000	21.7	20.0	8.5	20.0
Acetone	QuaF		0.7001	0.0500	103	100	2.5	50.0
Iodomethane	Ave	0.4477	0.5124		22.9	20.0	14.5	20.0
Isopropyl alcohol	Ave	2.993	3.449		230	200	15.2	50.0
Carbon disulfide	Ave	0.8348	0.9335	0.1000	22.4	20.0	11.8	50.0
3-Chloro-1-propene	Ave	0.1489	0.1670		22.4	20.0	12.2	20.0
Methyl acetate	Ave	0.1520	0.1419	0.1000	37.3	40.0	-6.7	20.0
Cyclopentene	Ave	0.4482	0.5209		23.2	20.0	16.2	20.0
Acetonitrile	Ave	0.3397	0.4062		239	200	19.6	20.0
Methylene Chloride	Ave	0.2699	0.3097	0.1000	22.9	20.0	14.7	20.0
2-Methyl-2-propanol	Ave	5.379	6.261		233	200	16.4	50.0
Methyl tert-butyl ether	Ave	0.7087	0.7238	0.1000	20.4	20.0	2.1	20.0
trans-1,2-Dichloroethene	Ave	0.2581	0.2854	0.1000	22.1	20.0	10.6	20.0
Acrylonitrile	Ave	0.0826	0.0808		196	200	-2.2	20.0
Hexane	Ave	0.2804	0.2537		18.1	20.0	-9.5	20.0
Isopropyl ether	Ave	0.7434	0.7624		20.5	20.0	2.6	20.0
1,1-Dichloroethane	Ave	0.4097	0.4625	0.2000	22.6	20.0	12.9	20.0
Vinyl acetate	Ave	0.5581	0.6294		45.1	40.0	12.8	20.0
2-Chloro-1,3-butadiene	Ave	0.1982	0.2252		22.7	20.0	13.6	20.0
Tert-butyl ethyl ether	Ave	0.7063	0.7536		21.3	20.0	6.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965386/3 Calibration Date: 03/22/2024 06:15

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77686.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.0847	0.0963		22.8	20.0	13.8	20.0
cis-1,2-Dichloroethene	Ave	0.2790	0.2987	0.1000	21.4	20.0	7.1	20.0
2-Butanone (MEK)	Ave	0.2731	0.3074	0.0500	113	100	12.5	50.0
Ethyl acetate	Ave	0.2901	0.2931		40.4	40.0	1.1	20.0
Methyl acrylate	Ave	0.1829	0.1709		18.7	20.0	-6.6	20.0
Propionitrile	Ave	9.414	9.418		200	200	0.0	20.0
Tetrahydrofuran	Qua2		0.3623		38.0	40.0	-5.0	20.0
Chlorobromomethane	Ave	0.1400	0.1494		21.3	20.0	6.7	20.0
Methacrylonitrile	Ave	0.0906	0.0904		200	200	-0.2	20.0
Chloroform	Ave	0.4015	0.4334	0.2000	21.6	20.0	7.9	20.0
Cyclohexane	Ave	0.3071	0.3545	0.1000	23.1	20.0	15.4	50.0
1,1,1-Trichloroethane	Ave	0.3428	0.3742	0.1000	21.8	20.0	9.2	20.0
Carbon tetrachloride	Ave	0.2958	0.3255	0.1000	22.0	20.0	10.1	20.0
1,1-Dichloropropene	Ave	0.2938	0.3349		22.8	20.0	14.0	20.0
Isobutyl alcohol	QuaF		2.126		521	500	4.1	20.0
Isooctane	Ave	0.7511	0.6766		18.0	20.0	-9.9	20.0
Benzene	Ave	1.229	1.392	0.5000	22.7	20.0	13.3	20.0
Isopropyl acetate	Ave	0.1129	0.1174		20.8	20.0	4.0	20.0
Tert-amyl methyl ether	Ave	0.7133	0.7482		21.0	20.0	4.9	20.0
1,2-Dichloroethane	Ave	0.2711	0.2804	0.1000	20.7	20.0	3.4	20.0
n-Heptane	Qua2		0.0460		15.7	20.0	-21.5*	20.0
n-Butanol	QuaF		1.483		614	500	22.9	50.0
Trichloroethene	Ave	0.2392	0.2521	0.2000	21.1	20.0	5.4	20.0
Ethyl acrylate	QuaF		0.0322		20.1	20.0	0.6	20.0
Methylcyclohexane	Ave	0.3580	0.3718	0.1000	20.8	20.0	3.9	50.0
1,2-Dichloropropane	Ave	0.2355	0.2555	0.1000	21.7	20.0	8.5	20.0
Methyl methacrylate	Ave	0.0565	0.0521		36.9	40.0	-7.8	20.0
1,4-Dioxane	Ave	0.7569	1.120		592	400	48.0	50.0
Dibromomethane	Ave	0.1435	0.1444		20.1	20.0	0.7	20.0
n-Propyl acetate	Ave	0.2612	0.2454		18.8	20.0	-6.0	20.0
Dichlorobromomethane	Ave	0.2942	0.2927	0.2000	19.9	20.0	-0.5	20.0
2-Chloroethyl vinyl ether	Ave	0.1381	0.1278		18.5	20.0	-7.5	20.0
2-Nitropropane	Lin2		0.0391		35.2	40.0	-12.1	20.0
Epichlorohydrin	Ave	0.2262	0.2393		423	400	5.8	20.0
cis-1,3-Dichloropropene	Ave	0.4735	0.5169	0.2000	21.8	20.0	9.2	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9689	1.000	0.0500	103	100	3.2	50.0
Toluene	Ave	1.362	1.418	0.4000	20.8	20.0	4.1	20.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4380	0.1000	21.4	20.0	7.0	50.0
Ethyl methacrylate	Ave	0.3462	0.3418		19.7	20.0	-1.3	20.0
1,1,2-Trichloroethane	Ave	0.2322	0.2371	0.1000	20.4	20.0	2.1	20.0
Tetrachloroethene	Ave	0.3348	0.3670	0.2000	21.9	20.0	9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965386/3 Calibration Date: 03/22/2024 06:15

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77686.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4257	0.4608		21.6	20.0	8.2	20.0
2-Hexanone	Ave	1.297	1.370	0.0500	106	100	5.6	50.0
n-Butyl acetate	Ave	0.3824	0.3662		19.2	20.0	-4.2	20.0
Chlorodibromomethane	Ave	0.3018	0.2995	0.1000	19.8	20.0	-0.8	50.0
Ethylene Dibromide	Ave	0.2707	0.2707	0.1000	20.0	20.0	0.0	20.0
Chlorobenzene	Ave	0.8646	0.9337	0.5000	21.6	20.0	8.0	20.0
Ethylbenzene	Ave	0.4542	0.5036	0.1000	22.2	20.0	10.9	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3177	0.3368		21.2	20.0	6.0	20.0
m-Xylene & p-Xylene	Ave	0.5554	0.6142	0.1000	22.1	20.0	10.6	20.0
n-Butyl acrylate	Ave	0.2179	0.2112		19.4	20.0	-3.1	20.0
o-Xylene	Ave	0.5671	0.6270	0.3000	22.1	20.0	10.6	20.0
Styrene	Ave	0.8500	0.9403	0.3000	22.1	20.0	10.6	20.0
Amyl acetate (mixed isomers)	Ave	0.8165	0.7917		19.4	20.0	-3.0	20.0
Bromoform	Ave	0.2144	0.2190	0.1000	20.4	20.0	2.1	20.0
Isopropylbenzene	Ave	1.389	1.568	0.1000	22.6	20.0	12.8	20.0
Bromobenzene	Ave	0.6693	0.7392		22.1	20.0	10.4	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6139	0.6216	0.3000	20.2	20.0	1.2	20.0
N-Propylbenzene	Ave	2.902	3.220		22.2	20.0	11.0	20.0
1,2,3-Trichloropropane	Ave	0.1708	0.1696		19.9	20.0	-0.7	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1397	0.1322		18.9	20.0	-5.3	20.0
2-Chlorotoluene	Ave	1.990	2.175		21.9	20.0	9.3	20.0
4-Ethyltoluene	Ave	2.465	2.681		21.7	20.0	8.7	20.0
1,3,5-Trimethylbenzene	Ave	2.048	2.303		22.5	20.0	12.4	20.0
4-Chlorotoluene	Ave	1.829	1.983		21.7	20.0	8.4	20.0
Butyl Methacrylate	QuaF		0.6934		17.3	20.0	-13.7	20.0
tert-Butylbenzene	Ave	1.802	1.912		21.2	20.0	6.1	20.0
1,2,4-Trimethylbenzene	Ave	2.166	2.442		22.5	20.0	12.7	20.0
sec-Butylbenzene	Ave	2.730	3.012		22.1	20.0	10.3	20.0
1,3-Dichlorobenzene	Ave	1.296	1.405	0.6000	21.7	20.0	8.4	20.0
4-Isopropyltoluene	Ave	2.344	2.636		22.5	20.0	12.5	20.0
1,4-Dichlorobenzene	Ave	1.308	1.424	0.5000	21.8	20.0	8.8	20.0
1,2,3-Trimethylbenzene	Ave	2.352	2.583		22.0	20.0	9.8	20.0
Benzyl chloride	Ave	1.202	1.188		19.8	20.0	-1.1	50.0
Indan	Ave	2.260	2.473		21.9	20.0	9.4	20.0
p-Diethylbenzene	Ave	1.549	1.660		21.4	20.0	7.2	20.0
n-Butylbenzene	Ave	1.240	1.365		22.0	20.0	10.1	20.0
1,2-Dichlorobenzene	Ave	1.302	1.414	0.4000	21.7	20.0	8.6	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.406	2.597		21.6	20.0	7.9	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1528	0.1444	0.0500	18.9	20.0	-5.5	50.0
1,3,5-Trichlorobenzene	Ave	1.155	1.348		23.3	20.0	16.7	20.0
1,2,4-Trichlorobenzene	Ave	1.103	1.279	0.2000	23.2	20.0	16.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965386/3 Calibration Date: 03/22/2024 06:15

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77686.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.4584	0.6387		27.9	20.0	39.3*	20.0
Naphthalene	Ave	2.524	2.559		20.3	20.0	1.4	50.0
1,2,3-Trichlorobenzene	Ave	1.085	1.230		22.7	20.0	13.4	20.0
Dibromofluoromethane (Surr)	Ave	0.2588	0.2549		49.2	50.0	-1.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2551	0.2491		48.8	50.0	-2.4	20.0
Toluene-d8 (Surr)	Ave	1.267	1.285		50.7	50.0	1.4	20.0
4-Bromofluorobenzene	Ave	0.4159	0.4542		54.6	50.0	9.2	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 06:15:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0173682-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 06:36:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	86	20590	20.0	19.5	
2 1,1-Difluoroethane	65	1.384	1.384	0.000	96	36325	20.0	25.1	
4 Dichlorodifluoromethane	85	1.403	1.403	0.000	98	61214	20.0	16.7	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	12139	20.0	24.2	a
6 Chloromethane	50	1.561	1.561	0.000	99	68310	20.0	17.5	
7 Vinyl chloride	62	1.653	1.653	0.000	98	69395	20.0	19.2	
8 Butadiene	54	1.659	1.659	0.000	93	61219	20.0	19.6	
9 Bromomethane	94	1.921	1.921	0.000	99	50858	20.0	18.7	
10 Chloroethane	64	1.976	1.976	0.000	99	39206	20.0	19.0	
11 Dichlorofluoromethane	67	2.153	2.153	0.000	99	110914	20.0	18.2	
13 Pentane	72	2.165	2.165	0.000	95	13976	40.0	48.7	
12 Trichlorofluoromethane	101	2.171	2.171	0.000	95	74920	20.0	18.3	
14 Ethanol	46	2.341	2.341	0.000	75	10134	800.0	1153.9	
15 Ethyl ether	74	2.341	2.341	0.000	93	35491	20.0	19.0	
16 2-Methyl-1,3-butadiene	53	2.366	2.366	0.000	93	47684	20.0	23.0	a
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	87	63182	20.0	21.8	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	96	93905	20.0	21.3	
19 Acrolein	56	2.506	2.506	0.000	94	15815	40.0	31.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.530	2.530	0.000	97	54232	20.0	20.5	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	98	60402	20.0	21.7	
22 Acetone	43	2.622	2.622	0.000	90	64228	100.0	102.5	
23 Iodomethane	142	2.689	2.689	0.000	96	122796	20.0	22.9	
25 Isopropyl alcohol	45	2.701	2.701	0.000	74	25156	200.0	230.5	a
24 Carbon disulfide	76	2.719	2.719	0.000	98	223714	20.0	22.4	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	96	40033	20.0	22.4	
27 Methyl acetate	43	2.847	2.847	0.000	99	68022	40.0	37.3	
28 Cyclopentene	67	2.866	2.866	0.000	94	124828	20.0	23.2	
29 Acetonitrile	41	2.902	2.902	0.000	97	74529	200.0	239.2	
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	36472	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	90	74215	20.0	22.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.012	3.012	0.000	97	45668	200.0	232.8	
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	96	173455	20.0	20.4	
34 trans-1,2-Dichloroethene	96	3.146	3.146	0.000	93	68397	20.0	22.1	
35 Acrylonitrile	53	3.207	3.207	0.000	95	193736	200.0	195.7	
36 Hexane	57	3.293	3.293	0.000	90	60794	20.0	18.1	
37 Isopropyl ether	45	3.500	3.500	0.000	95	182703	20.0	20.5	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	110845	20.0	22.6	
39 Vinyl acetate	86	3.536	3.536	0.000	100	23098	40.0	45.1	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	53974	20.0	22.7	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	90	180615	20.0	21.3	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	229350	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.018	0.000	87	23083	20.0	22.8	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	71596	20.0	21.4	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	28200	100.0	112.5	
46 Ethyl acetate	70	4.048	4.048	0.000	95	10757	40.0	40.4	
47 Methyl acrylate	55	4.097	4.097	0.000	100	40957	20.0	18.7	
48 Propionitrile	54	4.170	4.170	0.000	98	68697	200.0	200.1	
50 Tetrahydrofuran	72	4.244	4.244	0.000	56	13295	40.0	38.0	
49 Chlorobromomethane	128	4.250	4.250	0.000	84	35805	20.0	21.3	
51 Methacrylonitrile	67	4.274	4.274	0.000	88	216598	200.0	199.6	
52 Chloroform	83	4.298	4.298	0.000	99	103856	20.0	21.6	
53 Cyclohexane	84	4.433	4.433	0.000	89	84966	20.0	23.1	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	96	89680	20.0	21.8	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	152734	50.0	49.2	
56 Carbon tetrachloride	117	4.561	4.561	0.000	96	78018	20.0	22.0	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	98	80260	20.0	22.8	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	38762	500.0	520.6	
59 Isooctane	57	4.756	4.756	0.000	98	162156	20.0	18.0	
60 Benzene	78	4.780	4.780	0.000	96	247413	20.0	22.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	149227	50.0	48.8	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	28132	20.0	20.8	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	179316	20.0	21.0	
64 1,2-Dichloroethane	62	4.865	4.865	0.000	96	67192	20.0	20.7	
65 n-Heptane	100	4.939	4.939	0.000	89	11030	20.0	15.7	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	599139	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	86	27045	500.0	614.4	
68 Trichloroethene	95	5.408	5.408	0.000	96	60407	20.0	21.1	
70 Ethyl acrylate	99	5.530	5.530	0.000	96	7714	20.0	20.1	
69 Methylcyclohexane	83	5.530	5.530	0.000	80	89114	20.0	20.8	
71 1,2-Dichloropropane	63	5.688	5.688	0.000	95	61225	20.0	21.7	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	25396	1000.0	1000.0	
73 Methyl methacrylate	100	5.768	5.768	0.000	87	24985	40.0	36.9	
75 1,4-Dioxane	88	5.798	5.798	0.000	84	11381	400.0	592.1	
74 Dibromomethane	93	5.816	5.816	0.000	93	34610	20.0	20.1	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	58805	20.0	18.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	70146	20.0	19.9	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	86	30704	20.0	18.5	
78 2-Nitropropane	41	6.304	6.304	0.000	83	18753	40.0	35.2	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	87814	400.0	423.2	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	91847	20.0	21.8	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	94	91736	100.0	103.2	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	570923	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.780	6.780	0.000	93	252018	20.0	20.8	
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	93	77828	20.0	21.4	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	60739	20.0	19.7	
87 1,1,2-Trichloroethane	83	7.341	7.341	0.000	96	42133	20.0	20.4	
88 Tetrachloroethene	166	7.383	7.383	0.000	96	65224	20.0	21.9	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	91	81882	20.0	21.6	
90 2-Hexanone	43	7.615	7.615	0.000	95	125676	100.0	105.6	
91 n-Butyl acetate	43	7.737	7.737	0.000	97	65074	20.0	19.2	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	53218	20.0	19.8	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	48110	20.0	20.0	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	444255	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	165929	20.0	21.6	
96 Ethylbenzene	106	8.615	8.615	0.000	98	89485	20.0	22.2	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	97	59843	20.0	21.2	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	109149	20.0	22.1	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	37527	20.0	19.4	
99 o-Xylene	106	9.285	9.285	0.000	94	111415	20.0	22.1	
101 Styrene	104	9.322	9.322	0.000	96	167101	20.0	22.1	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	92	81942	20.0	19.4	
102 Bromoform	173	9.560	9.560	0.000	65	38910	20.0	20.4	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	278606	20.0	22.6	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	96	201786	50.0	54.6	
106 Bromobenzene	156	10.078	10.078	0.000	94	76507	20.0	22.1	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	64336	20.0	20.2	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	333330	20.0	22.2	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	97	17554	20.0	19.9	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	95	13687	20.0	18.9	
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	225115	20.0	21.9	
112 4-Ethyltoluene	105	10.291	10.291	0.000	97	277456	20.0	21.7	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	238369	20.0	22.5	
114 4-Chlorotoluene	91	10.395	10.395	0.000	96	205236	20.0	21.7	
115 Butyl Methacrylate	87	10.480	10.480	0.000	88	71774	20.0	17.3	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	197905	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	252732	20.0	22.5	
118 sec-Butylbenzene	105	10.883	10.883	0.000	99	311724	20.0	22.1	
119 1,3-Dichlorobenzene	146	11.011	11.011	0.000	97	145469	20.0	21.7	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	272846	20.0	22.5	a
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	258757	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	97	147342	20.0	21.8	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	267319	20.0	22.0	
124 Benzyl chloride	91	11.242	11.242	0.000	99	122971	20.0	19.8	a
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	255947	20.0	21.9	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	171816	20.0	21.4	
127 n-Butylbenzene	92	11.389	11.389	0.000	98	141253	20.0	22.0	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	146401	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	268831	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	93	14942	20.0	18.9	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	139474	20.0	23.3	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	132418	20.0	23.2	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	98	66109	20.0	27.9	
134 Naphthalene	128	12.925	12.925	0.000	100	264875	20.0	20.3	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	127273	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.5	
S 137 Xylenes, Total	100				0		40.0	44.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.2	
S 140 Total BTEX	1				0		100.0	109.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 09:50:15 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D

Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

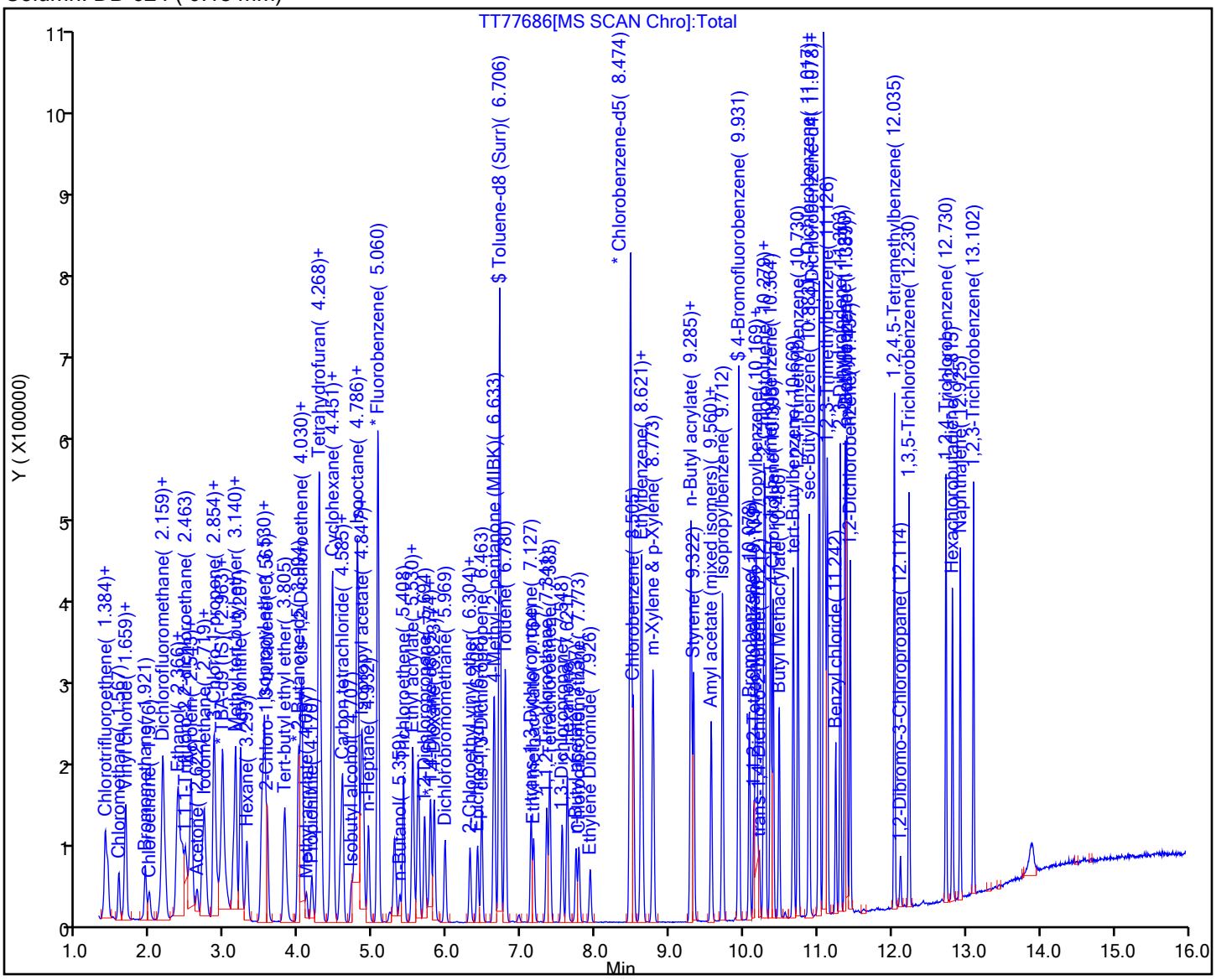
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

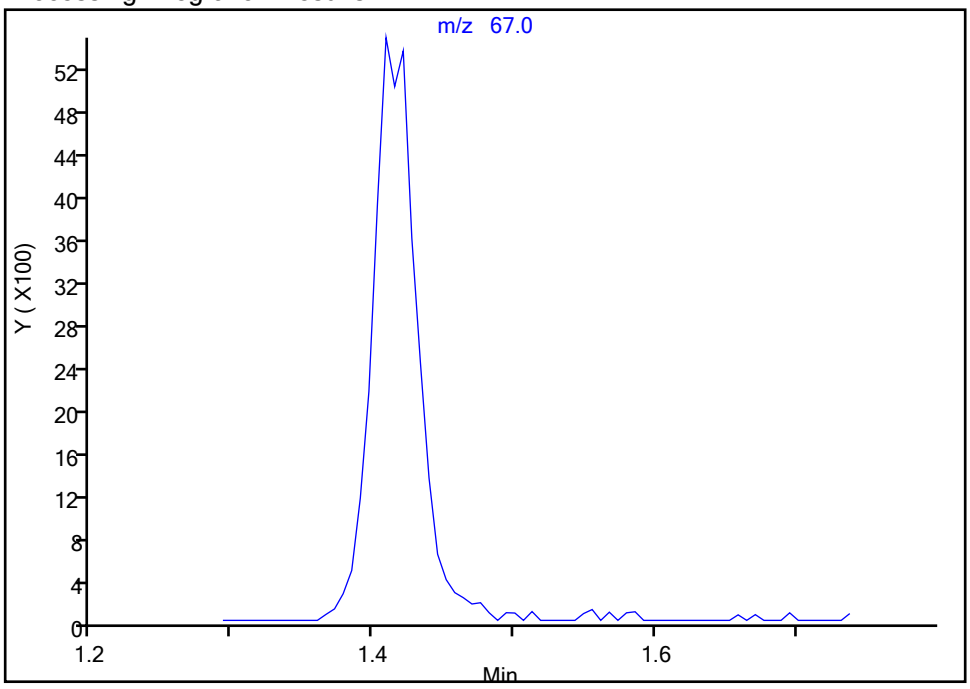
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

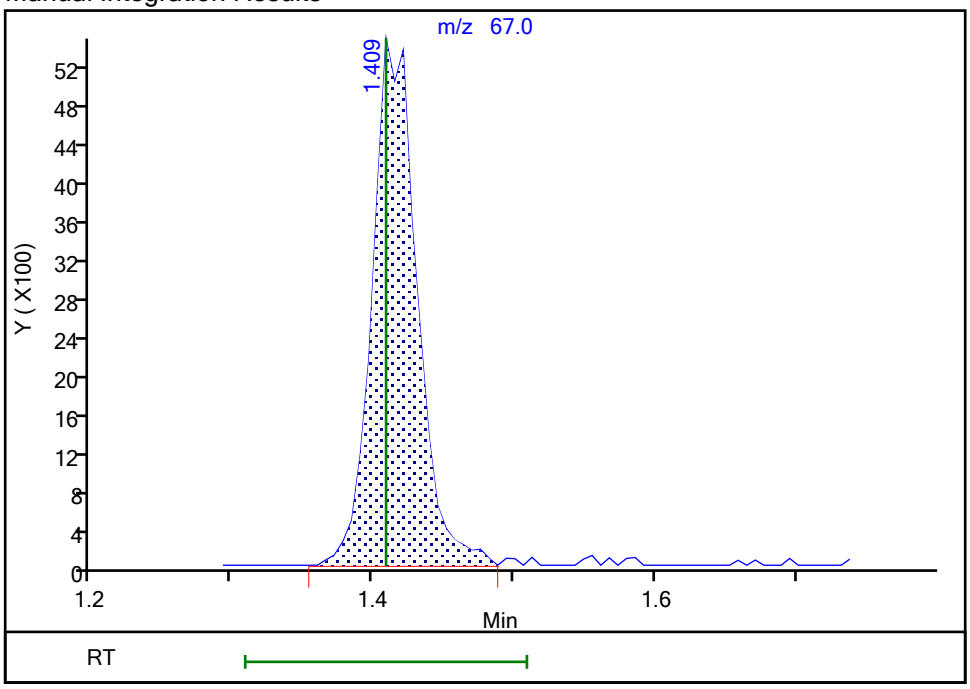
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 12139
Amount: 24.235598
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 06:35:49 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

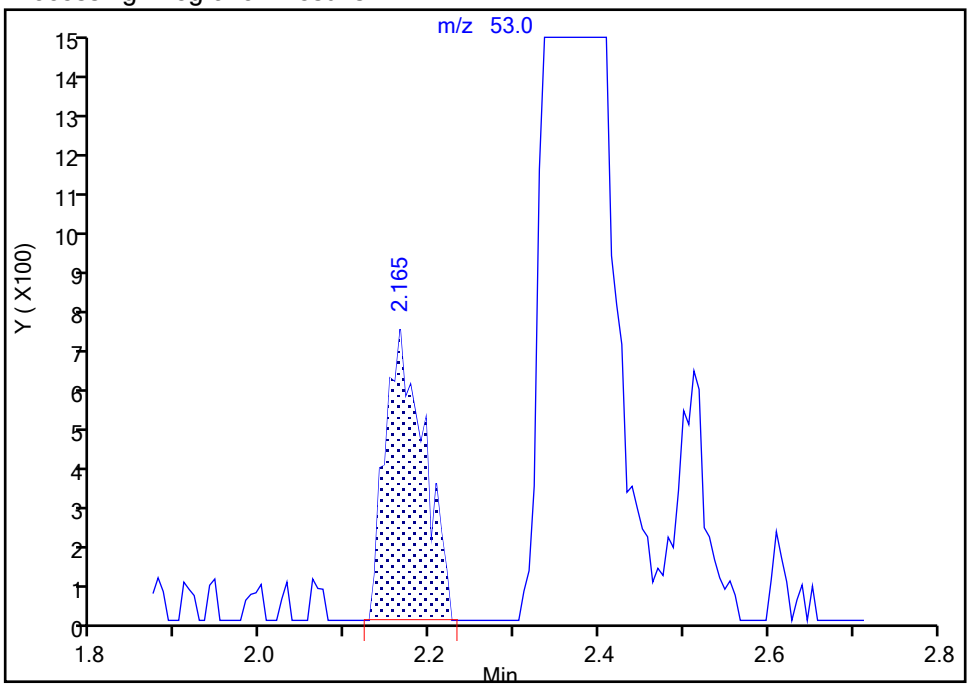
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

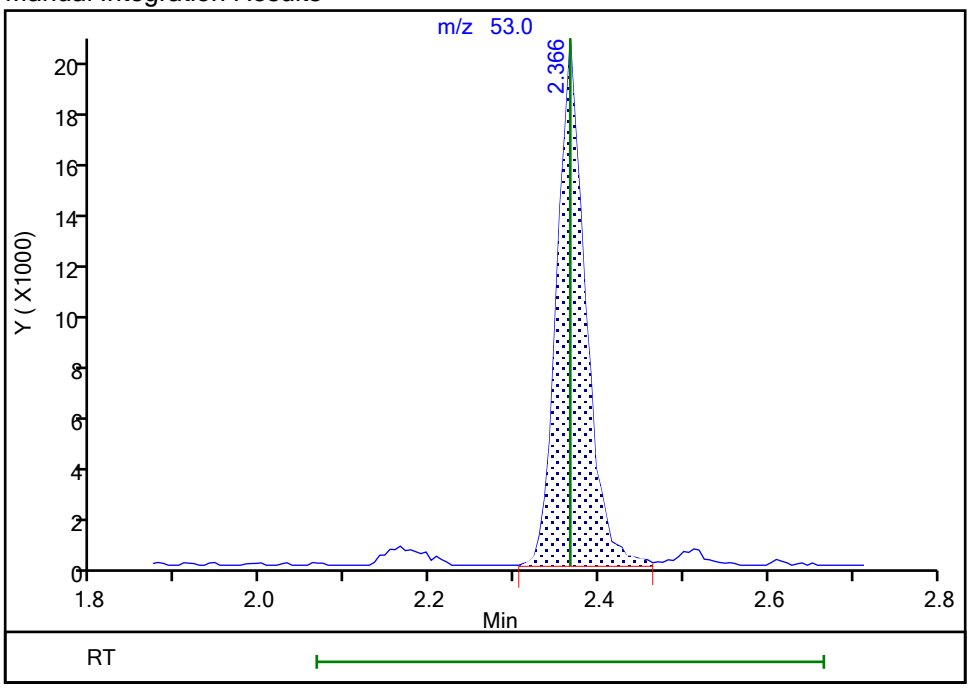
Processing Integration Results

RT: 2.16
Area: 2339
Amount: 1.128579
Amount Units: ug/l



Manual Integration Results

RT: 2.37
Area: 47684
Amount: 23.007756
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 06:35:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

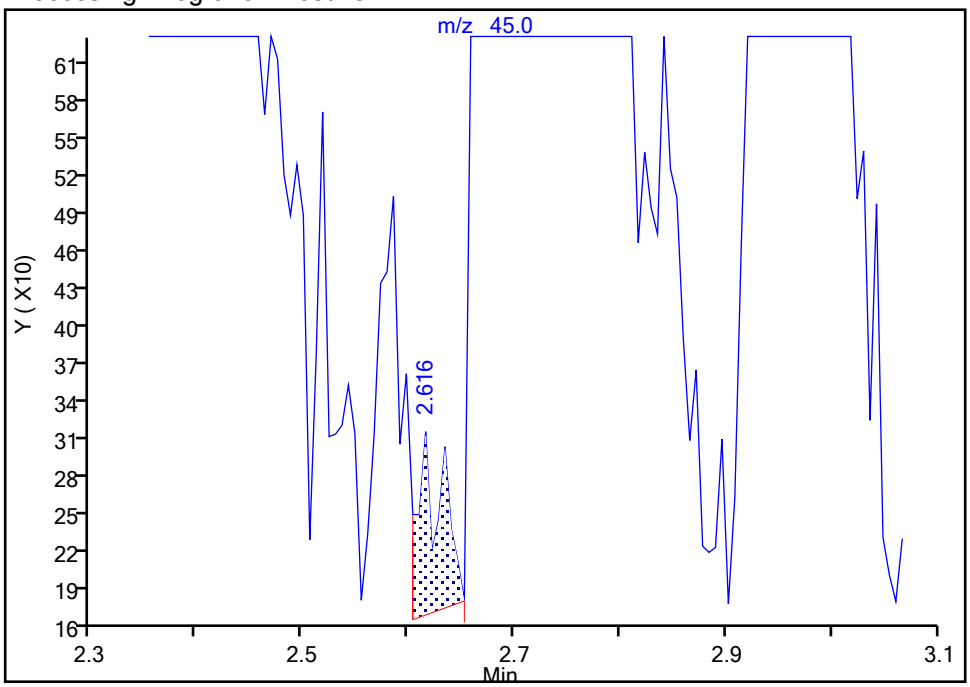
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

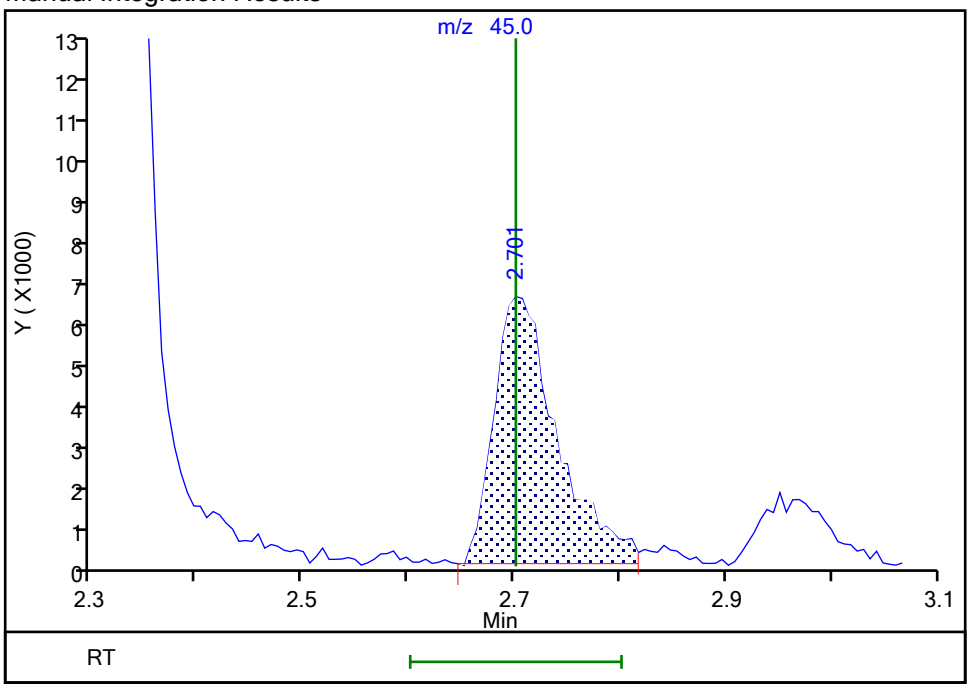
Processing Integration Results

RT: 2.62
Area: 239
Amount: 2.189718
Amount Units: ug/l



Manual Integration Results

RT: 2.70
Area: 25156
Amount: 230.4792
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 06:35:56 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

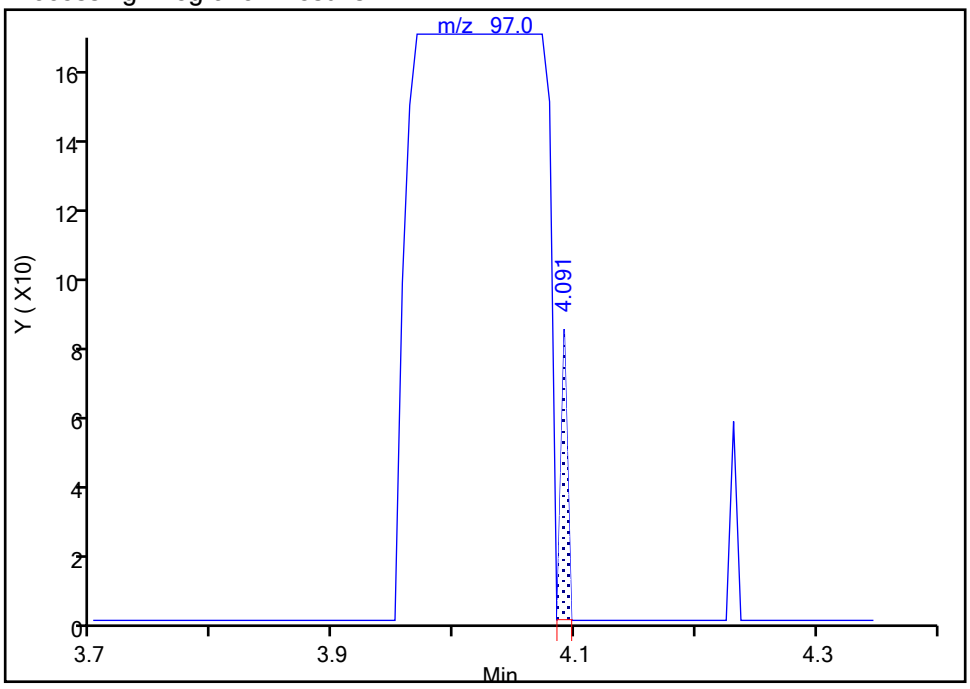
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

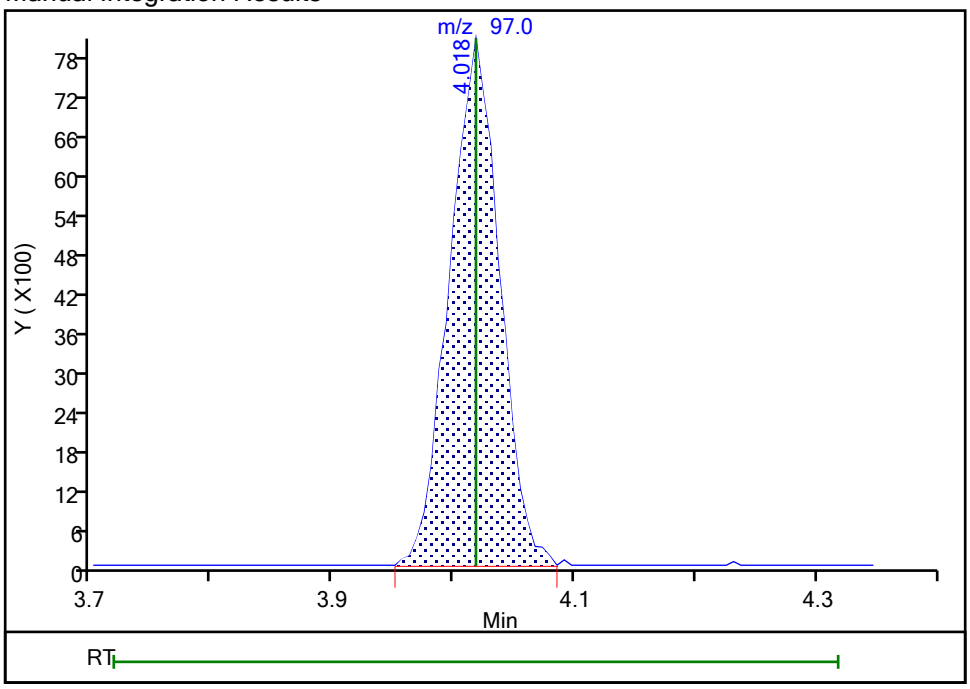
Processing Integration Results

RT: 4.09
Area: 30
Amount: 0.029575
Amount Units: ug/l



Manual Integration Results

RT: 4.02
Area: 23083
Amount: 22.756194
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 06:36:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

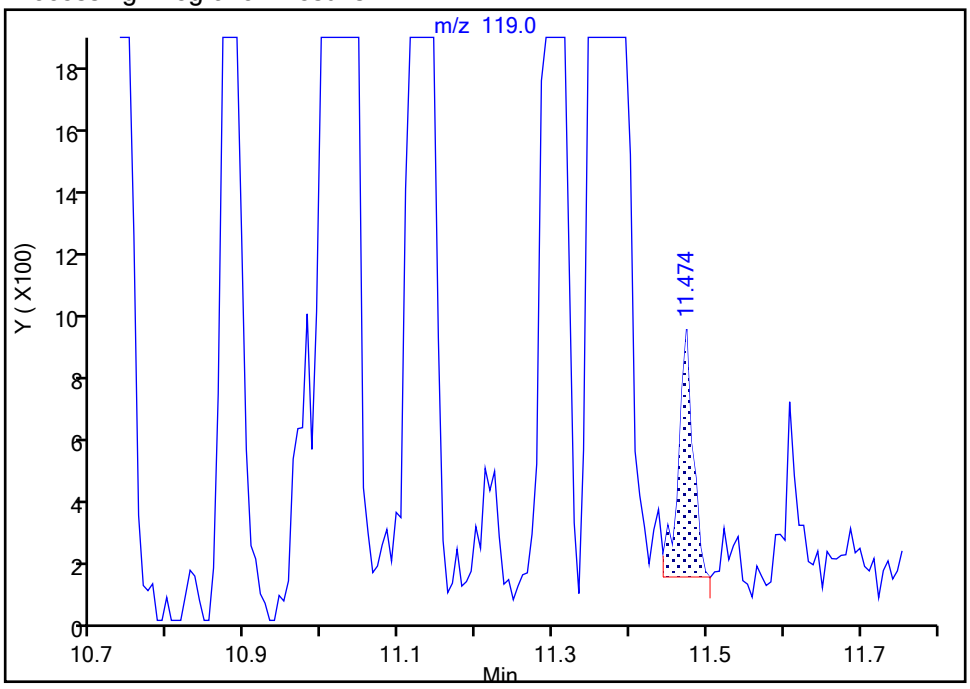
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

120 4-Isopropyltoluene, CAS: 99-87-6

Signal: 1

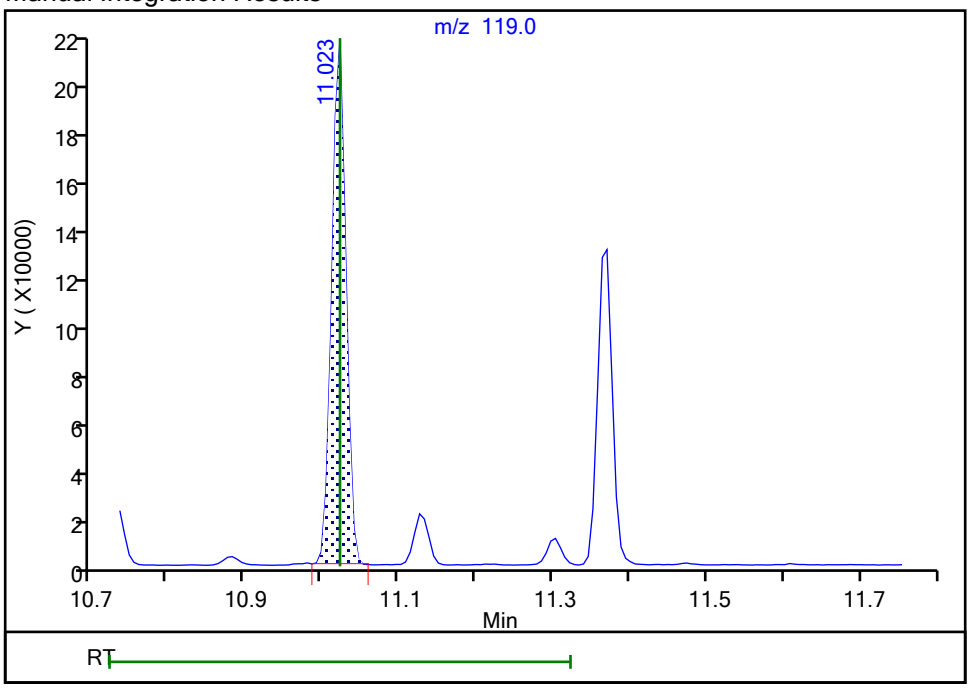
Processing Integration Results

RT: 11.47
Area: 1010
Amount: 0.083279
Amount Units: ug/l



Manual Integration Results

RT: 11.02
Area: 272846
Amount: 22.497275
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 09:35:14 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

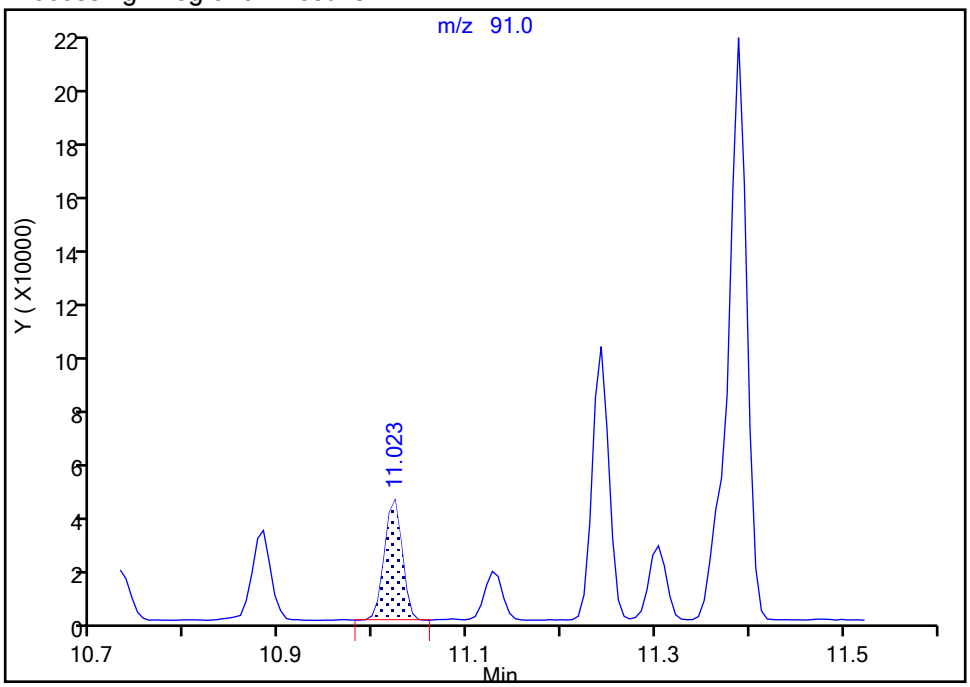
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77686.D
Injection Date: 22-Mar-2024 06:15:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

124 Benzyl chloride, CAS: 100-44-7

Signal: 1

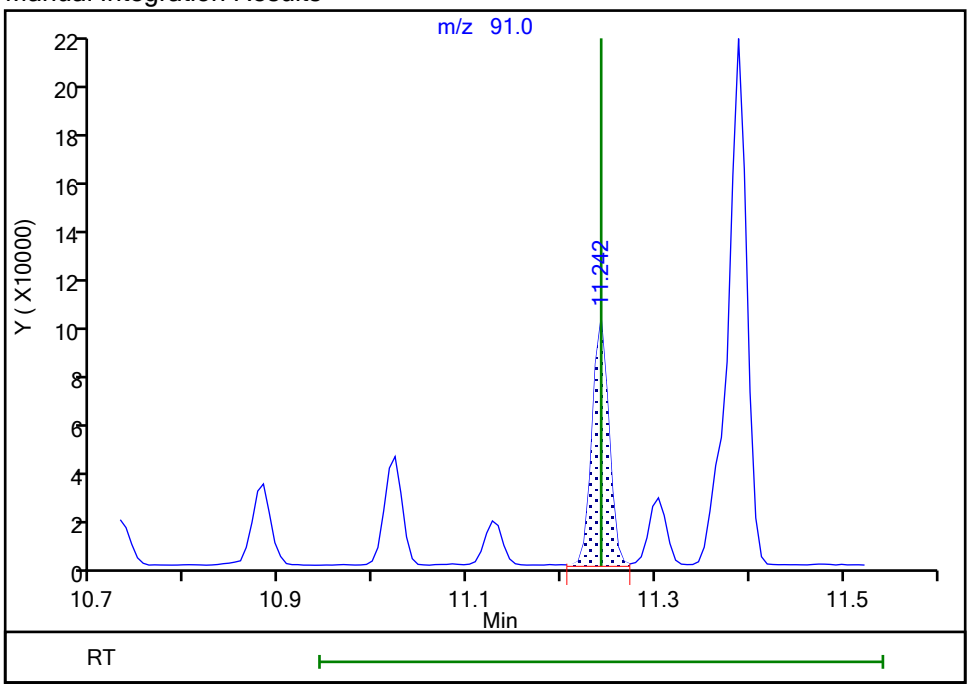
Processing Integration Results

RT: 11.02
Area: 57579
Amount: 9.260015
Amount Units: ug/l



Manual Integration Results

RT: 11.24
Area: 122971
Amount: 19.776539
Amount Units: ug/l



Reviewer: FK2C, 22-Mar-2024 06:35:31 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Feb-2024 06:43:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0172593-001				
Operator ID:		Instrument ID:	CVOAMS17		
Method:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	23-Feb-2024 06:20:17	Calib Date:	22-Feb-2024 09:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS Quad		
Process Host:	CTX1673				
First Level Reviewer: FK2C		Date:	23-Feb-2024 06:20:17		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

$ 141 BFB

QC Flag Legend

Processing Flags

Reagents:

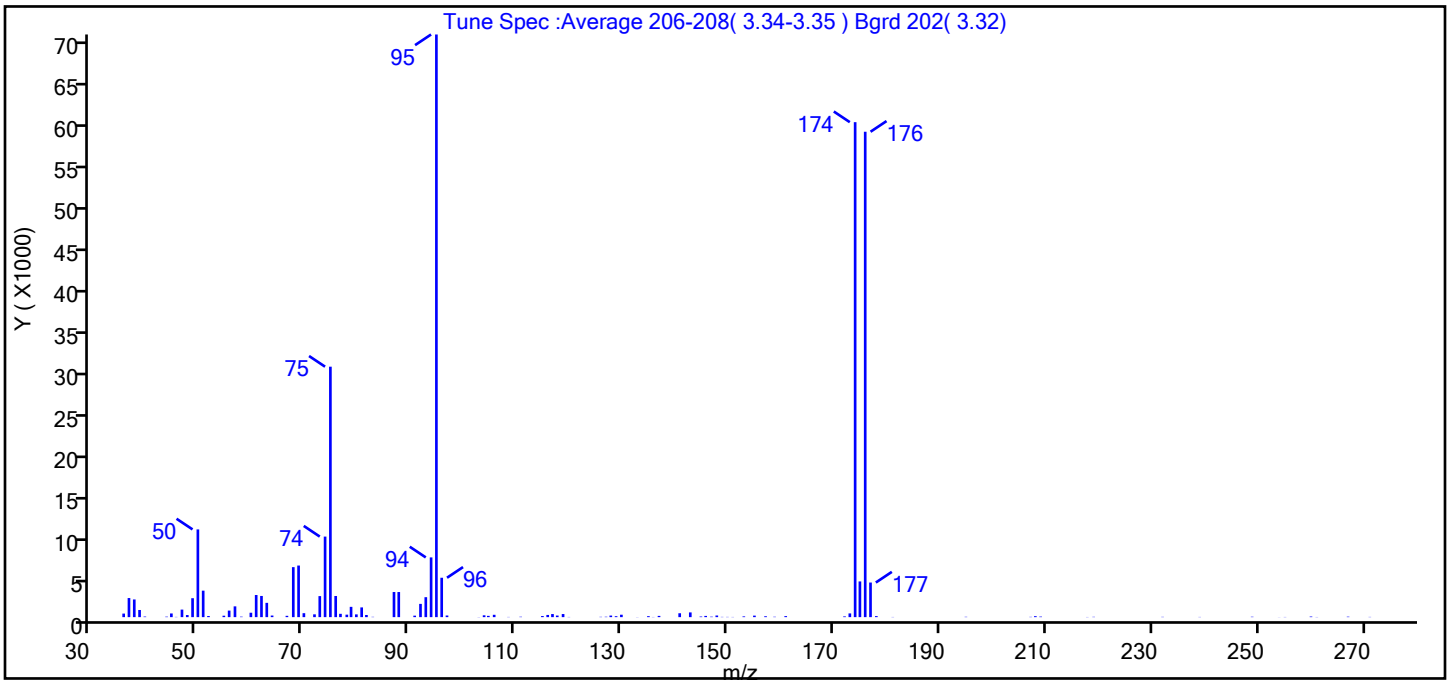
BFB_00035 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D
Injection Date: 22-Feb-2024 06:43:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 141 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (117.7)
96	5 to 9% of m/z 95	6.8
173	<2% of m/z 174	0.6 (0.8)
174	50 to 200% of m/z 95	85.0
175	5 to 9% of m/z 174	6.1 (7.2)
176	95 to 105% of m/z 174	83.3 (98.1)
177	5 to 10% of m/z 176	5.9 (7.1)

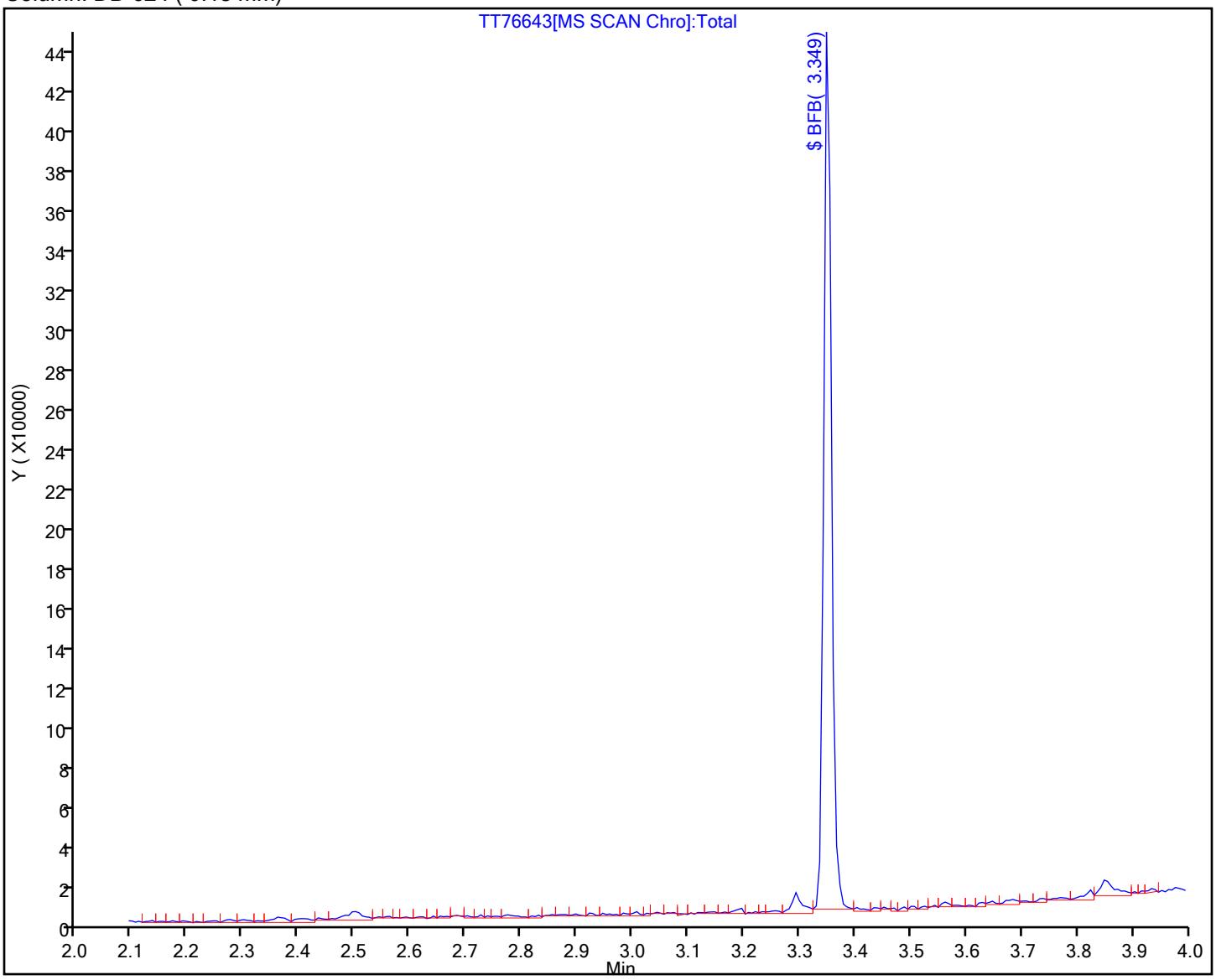
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D\8260W_17.rslt\spectra.d
Injection Date: 22-Feb-2024 06:43:30
Spectrum: Tune Spec :Average 206-208(3.34-3.35) Bgrd 202(3.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	432	72.00	340	115.00	132	159.00	46
37.00	2313	73.00	2549	116.00	267	161.00	125
38.00	2142	74.00	9760	117.00	375	172.00	90
39.00	867	75.00	30344	118.00	193	173.00	452
40.00	71	76.00	2562	119.00	377	174.00	59968
44.00	59	77.00	403	120.00	23	175.00	4327
45.00	447	78.00	301	126.00	38	176.00	58808
46.00	28	79.00	1247	127.00	49	177.00	4194
47.00	914	80.00	334	128.00	191	178.00	125
48.00	254	81.00	1180	129.00	114	181.00	22
49.00	2294	82.00	261	130.00	294	195.00	41
50.00	10629	83.00	37	133.00	14	207.00	35
51.00	3209	87.00	3043	135.00	117	208.00	116
52.00	132	88.00	3042	136.00	20	209.00	66
55.00	173	91.00	180	137.00	152	218.00	20
56.00	794	92.00	1606	141.00	472	219.00	38
57.00	1307	93.00	2418	143.00	574	232.00	35
58.00	59	94.00	7237	145.00	75	239.00	25
60.00	534	95.00	70592	146.00	149	249.00	49
61.00	2682	96.00	4773	147.00	58	254.00	10
62.00	2567	97.00	198	148.00	198	255.00	22
63.00	1731	103.00	17	149.00	31	260.00	73
64.00	195	104.00	222	150.00	29	261.00	19
67.00	160	105.00	156	151.00	23	267.00	57
68.00	6058	106.00	284	153.00	90	271.00	28
69.00	6251	109.00	25	155.00	185		
70.00	480	111.00	49	157.00	107		

Report Date: 23-Feb-2024 06:20:17 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D
Injection Date: 22-Feb-2024 06:43:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
12:01:22 PM

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965386/8

Matrix: Water | Lab File ID: TT77691.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965386/8

Matrix: Water | Lab File ID: TT77691.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 07:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77691.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 07:53:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173682-008
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:49:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:47:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.945	2.957	-0.012	0	38614	1000.0	1000.0	
* 42 2-Butanone-d5	46	3.981	3.988	-0.007	0	237813	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	142717	50.0	48.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	144388	50.0	49.9	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	567647	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	26070	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	535266	50.0	50.4	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	418891	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	188196	50.0	54.0	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	245376	50.0	50.0	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 09:49:59 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77691.D

Injection Date: 22-Mar-2024 07:53:30 Instrument ID: CVOAMS17

Lims ID: MB

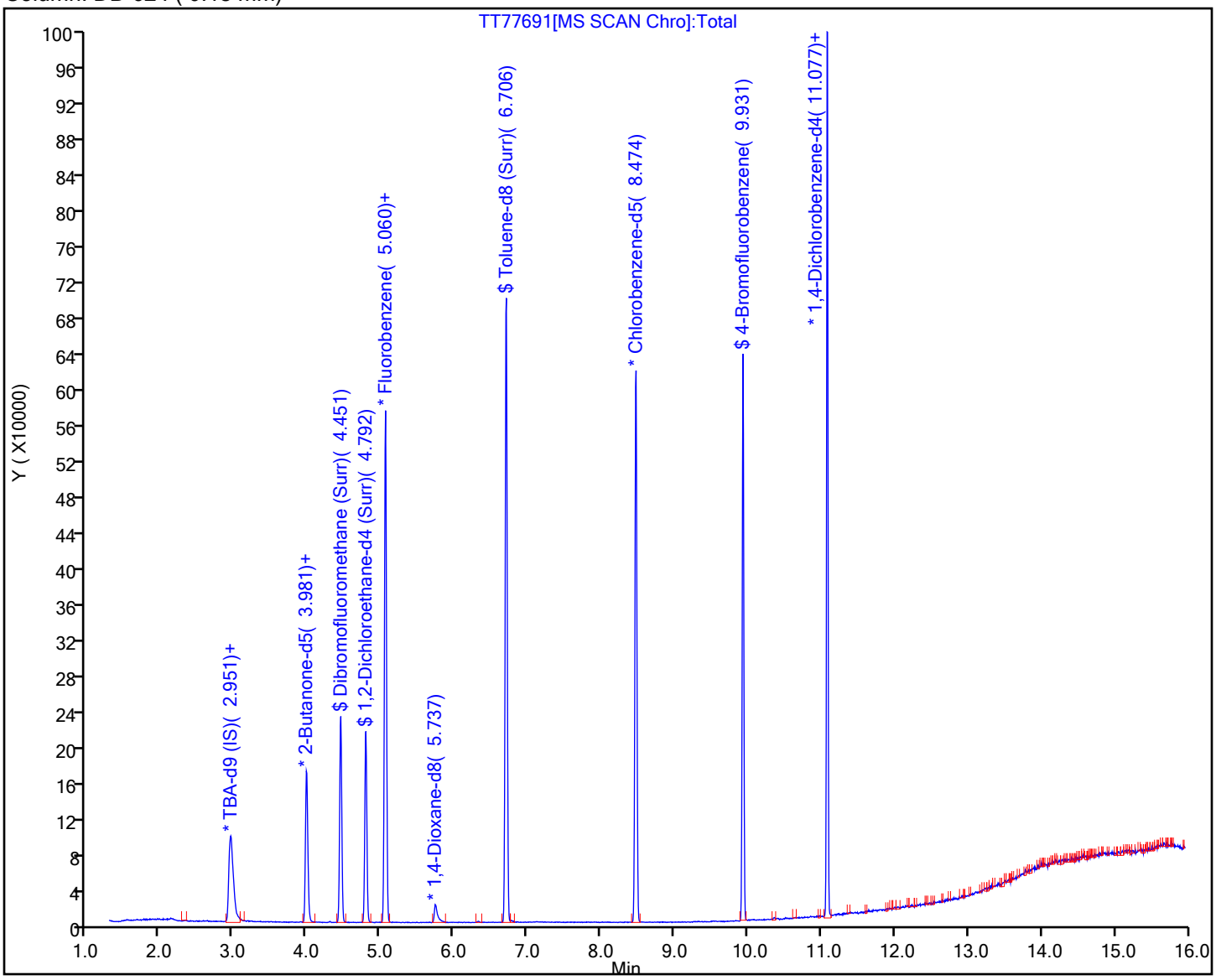
Client ID:

Operator ID: ALS Bottle#: 7 Worklist Smp#: 8

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77691.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 07:53:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173682-008
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:49:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:47:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.6	97.14
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.9	99.71
$ 83 Toluene-d8 (Surr)	50.0	50.4	100.87
$ 105 4-Bromofluorobenzene	50.0	54.0	108.02

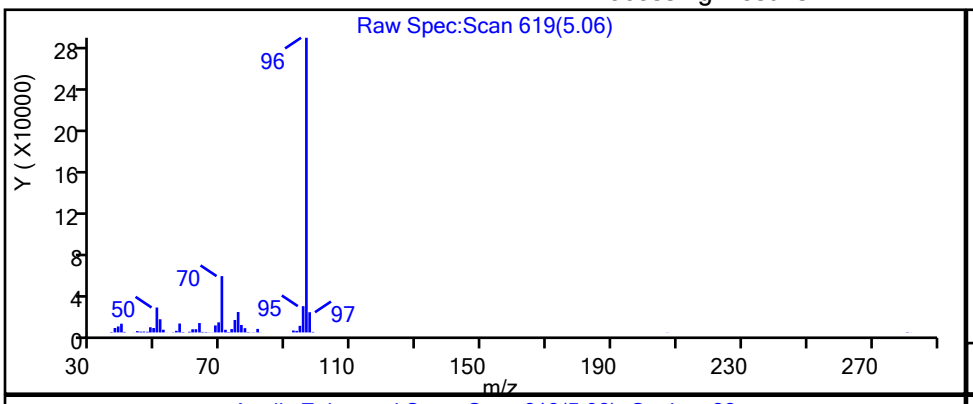
User Disabled Compound Report

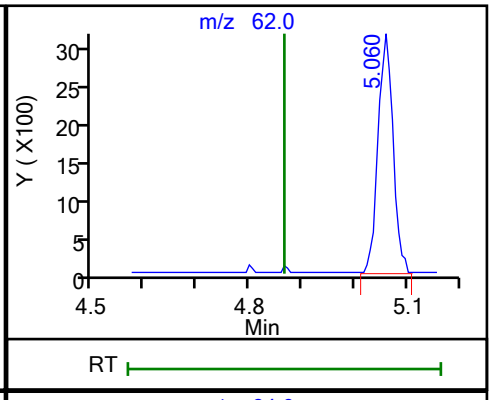
Eurofins Edison

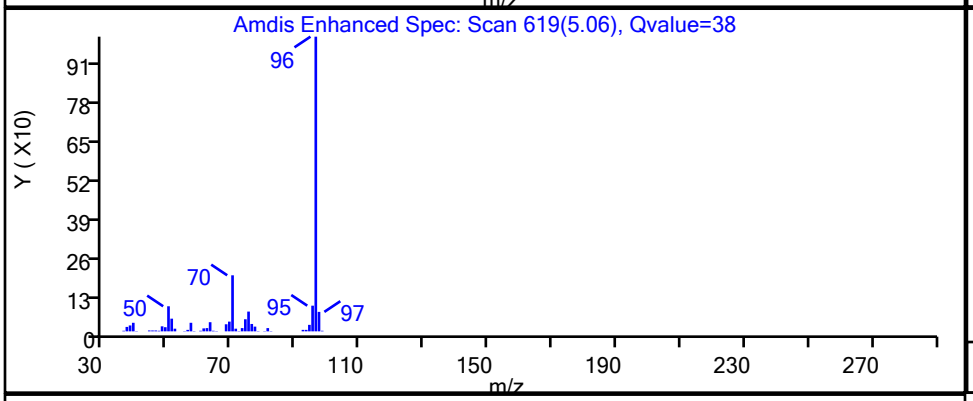
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77691.D
Injection Date: 22-Mar-2024 07:53:30 Instrument ID: CVOAMS17
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

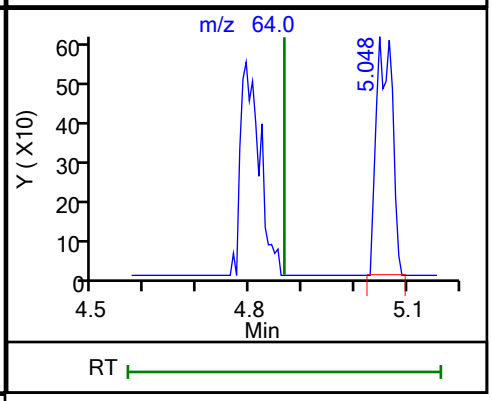
64 1,2-Dichloroethane, CAS: 107-06-2

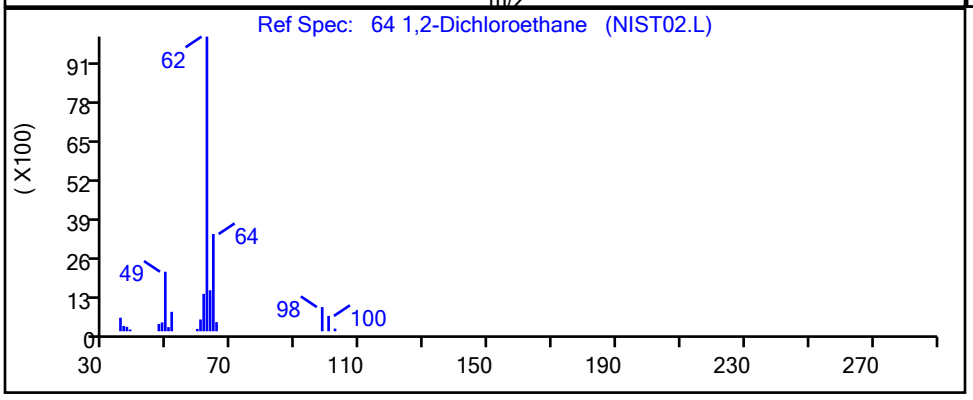
Processing Results











RT	Mass	Response	Amount
5.06	62.00	6223	2.022173
5.05	64.00	1317	

Reviewer: FK2C, 22-Mar-2024 09:47:41 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965386/4

Matrix: Water | Lab File ID: TT77687.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 06:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.2		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.2		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22.1		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.0		1.0	0.20
75-34-3	1,1-Dichloroethane	23.8		1.0	0.26
75-35-4	1,1-Dichloroethene	22.7		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	24.0		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	24.1		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.7		1.0	0.21
107-06-2	1,2-Dichloroethane	22.3		1.0	0.43
78-87-5	1,2-Dichloropropane	23.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.9		1.0	0.34
106-46-7	1,4-Dichlorobenzene	23.2		1.0	0.33
123-91-1	1,4-Dioxane	607		50	28
78-93-3	2-Butanone (MEK)	119		5.0	1.9
591-78-6	2-Hexanone	113		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	104		5.0	1.3
67-64-1	Acetone	117		5.0	4.4
71-43-2	Benzene	24.2		1.0	0.20
75-25-2	Bromoform	21.4		1.0	0.54
74-83-9	Bromomethane	18.7		1.0	0.55
75-15-0	Carbon disulfide	23.5		1.0	0.82
56-23-5	Carbon tetrachloride	22.8		1.0	0.21
108-90-7	Chlorobenzene	23.0		1.0	0.38
74-97-5	Chlorobromomethane	22.5		1.0	0.41
124-48-1	Chlorodibromomethane	21.2		1.0	0.28
75-00-3	Chloroethane	19.5		1.0	0.32
67-66-3	Chloroform	22.4		1.0	0.33
74-87-3	Chloromethane	19.0		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	22.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	23.3		1.0	0.22
110-82-7	Cyclohexane	25.0		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965386/4

Matrix: Water | Lab File ID: TT77687.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 06:35

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	21.2		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.6		1.0	0.31
100-41-4	Ethylbenzene	23.6		1.0	0.30
106-93-4	Ethylene Dibromide	21.6		1.0	0.50
98-82-8	Isopropylbenzene	24.1		1.0	0.34
79-20-9	Methyl acetate	40.8		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.1		1.0	0.22
108-87-2	Methylcyclohexane	23.5		1.0	0.71
75-09-2	Methylene Chloride	23.4		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	23.4		1.0	0.30
95-47-6	o-Xylene	23.3		1.0	0.36
100-42-5	Styrene	23.7		1.0	0.42
127-18-4	Tetrachloroethene	23.8		1.0	0.25
108-88-3	Toluene	22.0		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.8		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.6		1.0	0.22
79-01-6	Trichloroethene	22.9		1.0	0.31
75-69-4	Trichlorofluoromethane	19.6		1.0	0.32
75-01-4	Vinyl chloride	20.4		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-132
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77687.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 06:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173682-004
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:45:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	94	18847	20.0	18.9	
2 1,1-Difluoroethane	65	1.378	1.384	-0.006	97	36526	20.0	26.9	
4 Dichlorodifluoromethane	85	1.390	1.403	-0.013	70	64428	20.0	18.6	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	11991	20.0	25.4	a
6 Chloromethane	50	1.561	1.561	0.000	99	69887	20.0	19.0	
7 Vinyl chloride	62	1.646	1.653	-0.007	98	69733	20.0	20.4	
8 Butadiene	54	1.659	1.659	0.000	94	60154	20.0	20.5	
9 Bromomethane	94	1.921	1.921	0.000	99	48004	20.0	18.7	
10 Chloroethane	64	1.976	1.976	0.000	99	37741	20.0	19.5	
11 Dichlorofluoromethane	67	2.152	2.153	0.000	99	111111	20.0	19.4	
13 Pentane	72	2.159	2.165	-0.006	96	15742	40.0	58.4	
12 Trichlorofluoromethane	101	2.165	2.171	-0.006	64	75523	20.0	19.6	
14 Ethanol	46	2.323	2.341	-0.018	86	10389	800.0	1215.9	
15 Ethyl ether	74	2.341	2.341	0.000	94	35017	20.0	19.9	
16 2-Methyl-1,3-butadiene	53	2.360	2.366	-0.006	96	49094	20.0	25.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.415	-0.007	93	61604	20.0	22.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.457	2.463	-0.006	90	94123	20.0	22.7	
19 Acrolein	56	2.506	2.506	0.000	92	14831	40.0	31.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.530	2.530	0.000	97	55158	20.0	22.1	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	97	59588	20.0	22.7	
22 Acetone	43	2.616	2.622	-0.006	90	72208	100.0	117.1	
23 Iodomethane	142	2.689	2.689	0.000	96	117707	20.0	23.3	
25 Isopropyl alcohol	45	2.695	2.701	-0.006	57	26486	200.0	249.4	a
24 Carbon disulfide	76	2.719	2.719	0.000	99	221665	20.0	23.5	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	97	40403	20.0	24.1	
27 Methyl acetate	43	2.847	2.847	0.000	98	69934	40.0	40.8	
28 Cyclopentene	67	2.866	2.866	0.000	93	123404	20.0	24.4	
29 Acetonitrile	41	2.902	2.902	0.000	99	60765	200.0	198.0	a
* 31 TBA-d9 (IS)	66	2.951	2.957	-0.006	0	35482	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	89	71343	20.0	23.4	
32 2-Methyl-2-propanol	59	3.018	3.012	0.006	91	47608	200.0	249.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	97	168799	20.0	21.1	
34 trans-1,2-Dichloroethene	96	3.140	3.146	-0.006	94	66348	20.0	22.8	
35 Acrylonitrile	53	3.207	3.207	0.000	95	194927	200.0	209.2	
36 Hexane	57	3.292	3.293	-0.001	91	63111	20.0	20.0	
37 Isopropyl ether	45	3.500	3.500	0.000	95	183584	20.0	21.9	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	110188	20.0	23.8	
39 Vinyl acetate	86	3.536	3.536	0.000	100	15494	40.0	30.7	
40 2-Chloro-1,3-butadiene	88	3.567	3.573	-0.006	87	53973	20.0	24.1	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	89	180436	20.0	22.7	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	225848	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.018	-0.006	87	23389	20.0	24.5	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	70917	20.0	22.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	29303	100.0	118.8	
46 Ethyl acetate	70	4.042	4.048	-0.006	95	11157	40.0	42.6	
47 Methyl acrylate	55	4.097	4.097	0.000	100	42290	20.0	20.5	
48 Propionitrile	54	4.170	4.170	0.000	98	70120	200.0	209.9	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	55	12121	40.0	35.2	
49 Chlorobromomethane	128	4.243	4.250	-0.007	82	35513	20.0	22.5	
51 Methacrylonitrile	67	4.268	4.274	-0.006	89	215838	200.0	211.3	
52 Chloroform	83	4.298	4.298	0.000	99	101208	20.0	22.4	
53 Cyclohexane	84	4.426	4.433	-0.007	89	86674	20.0	25.0	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	97	89527	20.0	23.2	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	140186	50.0	48.0	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	98	76106	20.0	22.8	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	99	78441	20.0	23.7	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	40574	500.0	560.1	
59 Isooctane	57	4.756	4.756	0.000	98	173386	20.0	20.5	
60 Benzene	78	4.780	4.780	0.000	96	245403	20.0	24.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	142771	50.0	49.6	
63 Isopropyl acetate	61	4.835	4.841	-0.006	96	27840	20.0	21.9	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	179410	20.0	22.3	
64 1,2-Dichloroethane	62	4.865	4.865	0.000	96	68208	20.0	22.3	
65 n-Heptane	100	4.932	4.939	-0.007	89	11535	20.0	17.5	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	563867	50.0	50.0	
67 n-Butanol	56	5.353	5.359	-0.006	84	27224	500.0	635.5	
68 Trichloroethene	95	5.408	5.408	0.000	97	61833	20.0	22.9	
70 Ethyl acrylate	99	5.530	5.530	0.000	95	7331	20.0	20.3	
69 Methylcyclohexane	83	5.536	5.530	0.006	83	94696	20.0	23.5	
71 1,2-Dichloropropane	63	5.688	5.688	0.000	95	61816	20.0	23.3	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	25036	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	85	25051	40.0	39.3	
75 1,4-Dioxane	88	5.798	5.798	0.000	84	11508	400.0	607.3	
74 Dibromomethane	93	5.816	5.816	0.000	95	34798	20.0	21.5	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	57799	20.0	19.6	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	70436	20.0	21.2	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	84	30975	20.0	19.9	
78 2-Nitropropane	41	6.304	6.304	0.000	81	19048	40.0	38.0	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	91068	400.0	445.7	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	91180	20.0	23.3	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	95	91331	100.0	104.3	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	100	533051	50.0	50.9	
84 Toluene	91	6.780	6.780	0.000	93	247351	20.0	22.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	96	76347	20.0	22.6	
86 Ethyl methacrylate	69	7.164	7.164	0.000	88	60142	20.0	21.0	
87 1,1,2-Trichloroethane	83	7.340	7.341	0.000	97	42230	20.0	22.0	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	65885	20.0	23.8	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	91	81340	20.0	23.1	
90 2-Hexanone	43	7.615	7.615	0.000	94	132749	100.0	113.3	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	66519	20.0	21.0	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	52897	20.0	21.2	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	48373	20.0	21.6	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	85	413389	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	164190	20.0	23.0	
96 Ethylbenzene	106	8.621	8.615	0.006	97	88443	20.0	23.6	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	95	59717	20.0	22.7	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	107651	20.0	23.4	
100 n-Butyl acrylate	73	9.285	9.285	0.000	98	36670	20.0	20.4	
99 o-Xylene	106	9.285	9.285	0.000	95	109193	20.0	23.3	
101 Styrene	104	9.322	9.322	0.000	96	166480	20.0	23.7	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	92	83001	20.0	21.1	
102 Bromoform	173	9.560	9.560	0.000	64	37892	20.0	21.4	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	276383	20.0	24.1	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	186101	50.0	54.1	
106 Bromobenzene	156	10.078	10.078	0.000	95	77063	20.0	23.9	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	62665	20.0	21.2	
108 N-Propylbenzene	91	10.163	10.163	0.000	99	329279	20.0	23.6	
109 1,2,3-Trichloropropane	110	10.187	10.188	-0.001	97	17561	20.0	21.3	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	93	14135	20.0	21.0	
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	223402	20.0	23.3	
112 4-Ethyltoluene	105	10.291	10.291	0.000	97	271194	20.0	22.8	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	234791	20.0	23.8	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	203925	20.0	23.1	
115 Butyl Methacrylate	87	10.480	10.480	0.000	88	69084	20.0	17.8	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	197948	20.0	22.8	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	249657	20.0	23.9	
118 sec-Butylbenzene	105	10.882	10.883	0.000	99	306910	20.0	23.4	
119 1,3-Dichlorobenzene	146	11.010	11.011	-0.001	97	143023	20.0	22.9	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	268804	20.0	23.8	a
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	240758	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	97	145929	20.0	23.2	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	262495	20.0	23.2	
124 Benzyl chloride	91	11.242	11.242	0.000	99	120533	20.0	20.8	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	95	251027	20.0	23.1	
126 p-Diethylbenzene	119	11.364	11.370	-0.006	94	169130	20.0	22.7	
127 n-Butylbenzene	92	11.388	11.389	0.000	98	140989	20.0	23.6	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	142574	20.0	22.7	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	262648	20.0	22.7	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	94	14540	20.0	19.8	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	137191	20.0	24.7	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	93	127917	20.0	24.1	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	98	65102	20.0	29.5	
134 Naphthalene	128	12.925	12.925	0.000	99	263187	20.0	21.7	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	125117	20.0	24.0	
S 136 1,2-Dichloroethene, Total	100				0		40.0	45.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	46.7	
S 139 1,3-Dichloropropene, Total	1				0		40.0	45.9	
S 140 Total BTEX	1				0		100.0	116.4	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 09:50:18 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77687.D

Injection Date: 22-Mar-2024 06:35:30 Instrument ID: CVOAMS17

Lims ID: LCS

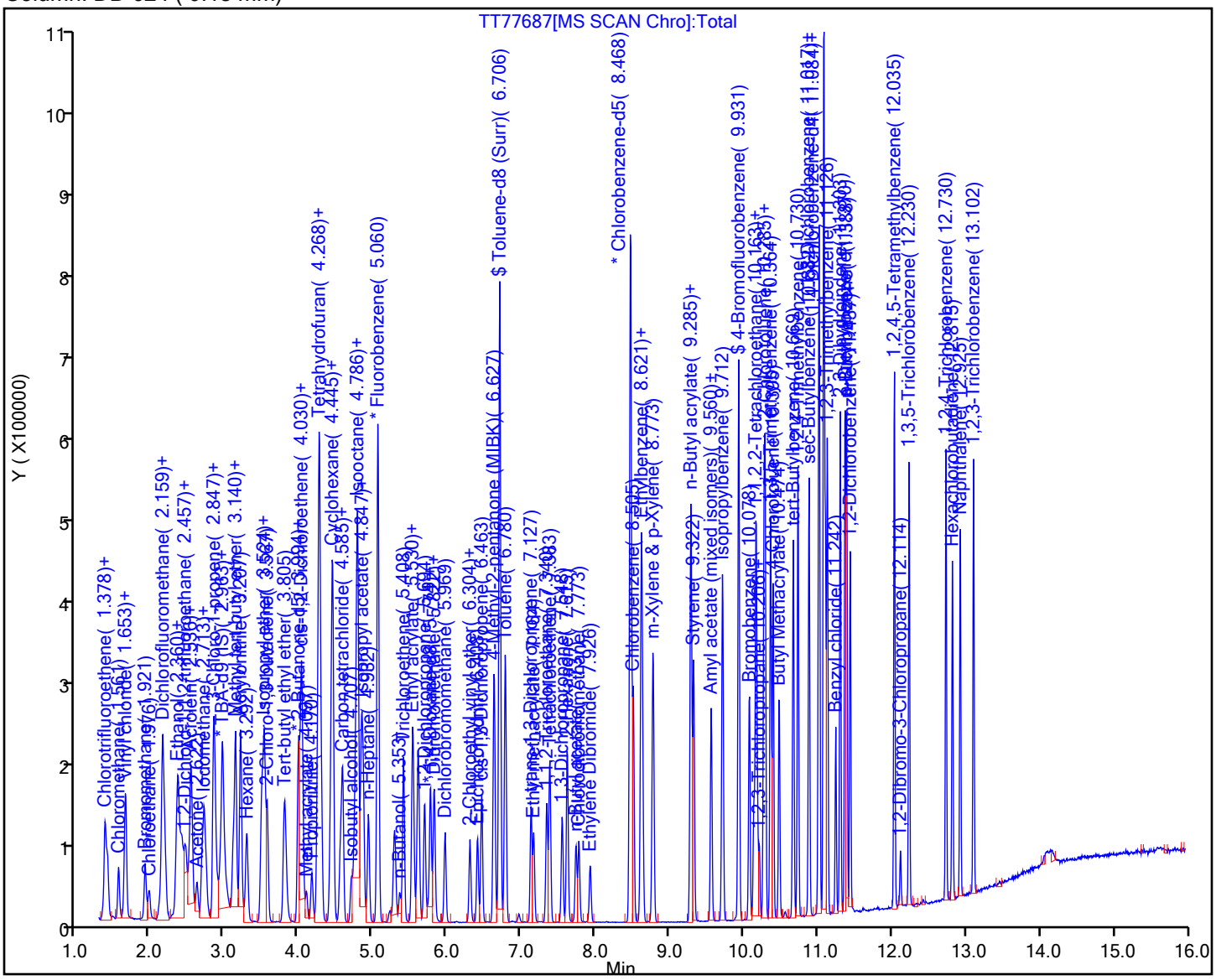
Client ID:

Operator ID: ALS Bottle#: 3 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77687.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 06:35:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173682-004
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:45:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.0	96.05
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.6	99.25
$ 83 Toluene-d8 (Surr)	50.0	50.9	101.78
$ 105 4-Bromofluorobenzene	50.0	54.1	108.24

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965386/5

Matrix: Water | Lab File ID: TT77688.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 06:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	23.0		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.4		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.7		1.0	0.31
79-00-5	1,1,2-Trichloroethane	22.0		1.0	0.20
75-34-3	1,1-Dichloroethane	24.0		1.0	0.26
75-35-4	1,1-Dichloroethene	22.4		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	23.6		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	23.9		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		1.0	0.38
95-50-1	1,2-Dichlorobenzene	23.1		1.0	0.21
107-06-2	1,2-Dichloroethane	22.8		1.0	0.43
78-87-5	1,2-Dichloropropane	23.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	23.5		1.0	0.34
106-46-7	1,4-Dichlorobenzene	23.4		1.0	0.33
123-91-1	1,4-Dioxane	623		50	28
78-93-3	2-Butanone (MEK)	120		5.0	1.9
591-78-6	2-Hexanone	119		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	108		5.0	1.3
67-64-1	Acetone	114		5.0	4.4
71-43-2	Benzene	24.1		1.0	0.20
75-25-2	Bromoform	22.2		1.0	0.54
74-83-9	Bromomethane	18.3		1.0	0.55
75-15-0	Carbon disulfide	22.8		1.0	0.82
56-23-5	Carbon tetrachloride	22.8		1.0	0.21
108-90-7	Chlorobenzene	23.5		1.0	0.38
74-97-5	Chlorobromomethane	22.4		1.0	0.41
124-48-1	Chlorodibromomethane	22.3		1.0	0.28
75-00-3	Chloroethane	18.3		1.0	0.32
67-66-3	Chloroform	22.6		1.0	0.33
74-87-3	Chloromethane	17.7		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	22.8		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	24.2		1.0	0.22
110-82-7	Cyclohexane	24.2		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965386/5

Matrix: Water | Lab File ID: TT77688.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 06:54

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	21.6		1.0	0.34
75-71-8	Dichlorodifluoromethane	18.0		1.0	0.31
100-41-4	Ethylbenzene	23.7		1.0	0.30
106-93-4	Ethylene Dibromide	22.4		1.0	0.50
98-82-8	Isopropylbenzene	24.1		1.0	0.34
79-20-9	Methyl acetate	41.7		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.7		1.0	0.22
108-87-2	Methylcyclohexane	23.2		1.0	0.71
75-09-2	Methylene Chloride	23.0		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	23.6		1.0	0.30
95-47-6	o-Xylene	23.8		1.0	0.36
100-42-5	Styrene	24.0		1.0	0.42
127-18-4	Tetrachloroethene	24.2		1.0	0.25
108-88-3	Toluene	22.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	23.9		1.0	0.22
79-01-6	Trichloroethene	23.6		1.0	0.31
75-69-4	Trichlorofluoromethane	20.3		1.0	0.32
75-01-4	Vinyl chloride	19.5		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-128
460-00-4	4-Bromofluorobenzene	111		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	103		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77688.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 06:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173682-005
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:34:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.366	0.006	89	21506	20.0	20.4	
2 1,1-Difluoroethane	65	1.384	1.384	0.000	96	36855	20.0	25.6	
4 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	66034	20.0	18.0	
5 Chlorodifluoromethane	67	1.421	1.409	0.012	97	12129	20.0	24.3	a
6 Chloromethane	50	1.573	1.561	0.012	98	69259	20.0	17.7	
7 Vinyl chloride	62	1.653	1.653	0.000	98	70572	20.0	19.5	
8 Butadiene	54	1.665	1.659	0.006	94	61428	20.0	19.7	
9 Bromomethane	94	1.927	1.921	0.006	99	49813	20.0	18.3	
10 Chloroethane	64	1.982	1.976	0.006	99	37595	20.0	18.3	
11 Dichlorofluoromethane	67	2.159	2.153	0.007	99	133633	20.0	22.0	
13 Pentane	72	2.171	2.165	0.006	96	19054	40.0	66.7	
12 Trichlorofluoromethane	101	2.171	2.171	0.000	55	82599	20.0	20.3	
14 Ethanol	46	2.329	2.341	-0.012	93	9363	800.0	1035.7	
15 Ethyl ether	74	2.348	2.341	0.007	95	38391	20.0	20.6	
16 2-Methyl-1,3-butadiene	53	2.366	2.366	0.000	96	51242	20.0	24.8	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	94	65417	20.0	22.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.464	2.463	0.001	89	97292	20.0	22.2	
19 Acrolein	56	2.512	2.506	0.006	95	15767	40.0	31.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.530	0.007	93	57334	20.0	21.7	
21 1,1-Dichloroethene	96	2.549	2.543	0.006	97	62334	20.0	22.4	
22 Acetone	43	2.628	2.622	0.006	89	76129	100.0	114.1	
23 Iodomethane	142	2.695	2.689	0.006	96	122569	20.0	22.9	
25 Isopropyl alcohol	45	2.707	2.701	0.006	80	29348	200.0	261.2	a
24 Carbon disulfide	76	2.726	2.719	0.007	98	227432	20.0	22.8	
26 3-Chloro-1-propene	76	2.848	2.841	0.007	93	42189	20.0	23.7	
27 Methyl acetate	43	2.854	2.847	0.007	84	75839	40.0	41.7	
28 Cyclopentene	67	2.872	2.866	0.006	94	133740	20.0	25.0	
29 Acetonitrile	41	2.909	2.902	0.007	95	75365	200.0	227.0	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	37543	1000.0	1000.0	
30 Methylene Chloride	84	2.970	2.963	0.007	89	74229	20.0	23.0	
32 2-Methyl-2-propanol	59	3.024	3.012	0.012	100	51244	200.0	253.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	183713	20.0	21.7	
34 trans-1,2-Dichloroethene	96	3.152	3.146	0.006	93	70583	20.0	22.9	
35 Acrylonitrile	53	3.213	3.207	0.006	95	212907	200.0	215.5	
36 Hexane	57	3.299	3.293	0.006	91	70870	20.0	21.1	
37 Isopropyl ether	45	3.506	3.500	0.006	95	195907	20.0	22.0	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	117472	20.0	24.0	
39 Vinyl acetate	86	3.543	3.536	0.007	100	19445	40.0	35.6	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	57672	20.0	24.3	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	90	193587	20.0	22.9	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	244350	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.018	0.000	91	24430	20.0	24.1	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	76029	20.0	22.8	
45 2-Butanone (MEK)	72	4.049	4.042	0.007	98	32118	100.0	120.3	
46 Ethyl acetate	70	4.049	4.048	0.001	94	11857	40.0	41.8	
47 Methyl acrylate	55	4.103	4.097	0.006	100	47094	20.0	21.5	
48 Propionitrile	54	4.171	4.170	0.000	98	76052	200.0	215.2	
50 Tetrahydrofuran	72	4.244	4.244	0.000	66	13849	40.0	37.2	
49 Chlorobromomethane	128	4.250	4.250	0.000	86	37466	20.0	22.4	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	242861	200.0	224.2	
52 Chloroform	83	4.305	4.298	0.007	99	108480	20.0	22.6	
53 Cyclohexane	84	4.439	4.433	0.006	89	88697	20.0	24.2	
54 1,1,1-Trichloroethane	97	4.451	4.445	0.006	96	94298	20.0	23.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.451	0.006	99	149521	50.0	48.3	
56 Carbon tetrachloride	117	4.561	4.561	0.000	97	80712	20.0	22.8	
57 1,1-Dichloropropene	75	4.591	4.585	0.006	98	86236	20.0	24.5	
58 Isobutyl alcohol	43	4.713	4.707	0.006	96	44115	500.0	575.5	
59 Isooctane	57	4.762	4.756	0.006	98	192813	20.0	21.5	
60 Benzene	78	4.780	4.780	0.000	96	265070	20.0	24.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	149679	50.0	49.1	
63 Isopropyl acetate	61	4.841	4.841	0.000	97	31125	20.0	23.1	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	93	187723	20.0	22.0	
64 1,2-Dichloroethane	62	4.872	4.865	0.007	96	73747	20.0	22.8	
65 n-Heptane	100	4.945	4.939	0.006	90	11716	20.0	16.7	
* 66 Fluorobenzene	96	5.067	5.060	0.007	99	597904	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	85	31161	500.0	686.7	
68 Trichloroethene	95	5.408	5.408	0.000	96	67399	20.0	23.6	
70 Ethyl acrylate	99	5.542	5.530	0.012	95	8074	20.0	21.1	
69 Methylcyclohexane	83	5.536	5.530	0.006	81	99269	20.0	23.2	
71 1,2-Dichloropropane	63	5.695	5.688	0.007	95	65619	20.0	23.3	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	26524	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	88	28450	40.0	42.1	
75 1,4-Dioxane	88	5.804	5.798	0.006	85	12506	400.0	622.9	
74 Dibromomethane	93	5.823	5.816	0.007	94	38335	20.0	22.3	
76 n-Propyl acetate	43	5.829	5.829	0.000	97	64905	20.0	20.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	75924	20.0	21.6	
79 2-Chloroethyl vinyl ether	63	6.310	6.304	0.006	86	36434	20.0	22.1	
78 2-Nitropropane	41	6.298	6.304	-0.006	82	21833	40.0	41.2	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	101757	400.0	460.3	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	102280	20.0	24.2	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.627	0.006	94	102732	100.0	108.5	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	100	581502	50.0	51.3	
84 Toluene	91	6.786	6.780	0.006	93	272892	20.0	22.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.133	7.127	0.006	93	87427	20.0	23.9	
86 Ethyl methacrylate	69	7.164	7.164	0.000	89	68080	20.0	22.0	
87 1,1,2-Trichloroethane	83	7.341	7.341	0.001	96	45746	20.0	22.0	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	72371	20.0	24.2	
89 1,3-Dichloropropane	76	7.554	7.548	0.006	91	91557	20.0	24.1	
90 2-Hexanone	43	7.621	7.615	0.006	94	150528	100.0	118.7	
91 n-Butyl acetate	43	7.737	7.737	0.000	97	73684	20.0	21.6	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	60095	20.0	22.3	
93 Ethylene Dibromide	107	7.926	7.926	0.000	97	54116	20.0	22.4	
* 94 Chlorobenzene-d5	117	8.475	8.474	0.001	85	446953	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	181417	20.0	23.5	
96 Ethylbenzene	106	8.621	8.615	0.006	98	96387	20.0	23.7	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	95	63324	20.0	22.3	
98 m-Xylene & p-Xylene	106	8.779	8.773	0.006	0	116977	20.0	23.6	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	42215	20.0	21.7	
99 o-Xylene	106	9.291	9.285	0.006	95	120758	20.0	23.8	
101 Styrene	104	9.322	9.322	0.000	96	182291	20.0	24.0	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	92	92581	20.0	21.8	
102 Bromoform	173	9.560	9.560	0.000	64	42557	20.0	22.2	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	298924	20.0	24.1	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	96	205946	50.0	55.4	
106 Bromobenzene	156	10.078	10.078	0.000	95	81588	20.0	23.5	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	68073	20.0	21.4	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	360279	20.0	23.9	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	97	18766	20.0	21.2	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	93	15420	20.0	21.3	
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	243119	20.0	23.5	
112 4-Ethyltoluene	105	10.291	10.291	0.000	98	299830	20.0	23.4	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	253403	20.0	23.8	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	224476	20.0	23.6	
115 Butyl Methacrylate	87	10.480	10.480	0.000	88	76767	20.0	18.4	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	212567	20.0	22.7	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	268336	20.0	23.9	
118 sec-Butylbenzene	105	10.883	10.883	0.001	99	333090	20.0	23.5	
119 1,3-Dichlorobenzene	146	11.011	11.011	0.000	97	158094	20.0	23.5	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	291689	20.0	24.0	a
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	259584	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	158801	20.0	23.4	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	283264	20.0	23.2	
124 Benzyl chloride	91	11.242	11.242	0.000	99	134550	20.0	21.6	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	269698	20.0	23.0	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	181343	20.0	22.5	
127 n-Butylbenzene	92	11.389	11.389	0.001	98	153769	20.0	23.9	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	97	156021	20.0	23.1	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	284725	20.0	22.8	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	93	15647	20.0	19.7	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	146049	20.0	24.4	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	137054	20.0	23.9	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	98	69326	20.0	29.1	
134 Naphthalene	128	12.925	12.925	0.000	99	282167	20.0	21.5	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	133094	20.0	23.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	45.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	47.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	48.1	
S 140 Total BTEX	1				0		100.0	117.7	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 09:50:27 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77688.D

Injection Date: 22-Mar-2024 06:54:30 Instrument ID: CVOAMS17

Lims ID: LCSD

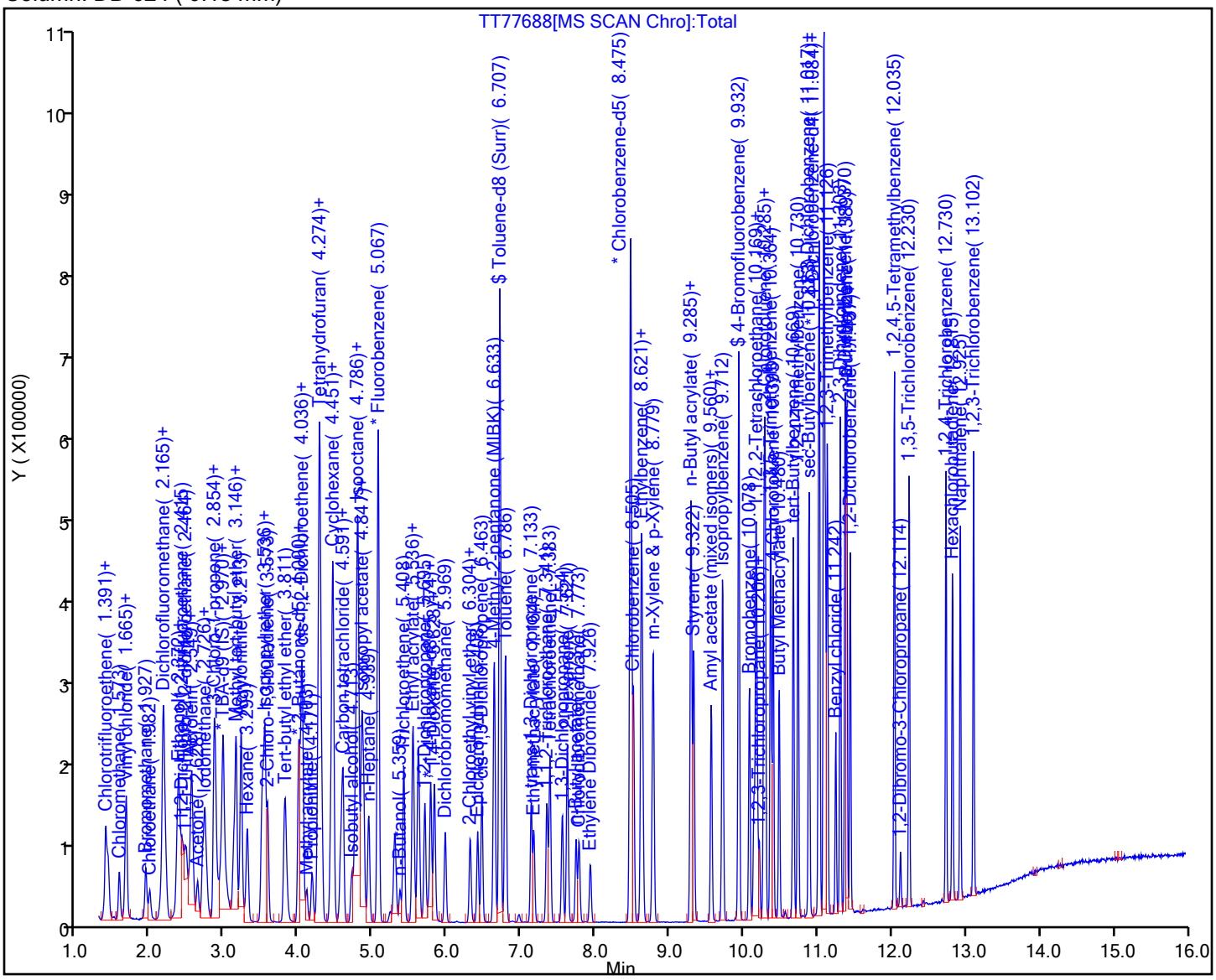
Client ID:

Operator ID: ALS Bottle#: 4 Worklist Smp#: 5

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77688.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 06:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173682-005
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 09:50:14 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 09:34:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.3	96.62
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.1	98.13
$ 83 Toluene-d8 (Surr)	50.0	51.3	102.70
$ 105 4-Bromofluorobenzene	50.0	55.4	110.78

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: TT77702.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 11:28

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	42.9		2.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	42.5		2.0	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44.2		2.0	0.62
79-00-5	1,1,2-Trichloroethane	43.3		2.0	0.41
75-34-3	1,1-Dichloroethane	44.3		2.0	0.53
75-35-4	1,1-Dichloroethene	42.4		2.0	0.53
87-61-6	1,2,3-Trichlorobenzene	46.4		2.0	0.71
120-82-1	1,2,4-Trichlorobenzene	47.2		2.0	0.73
96-12-8	1,2-Dibromo-3-Chloropropane	41.4		2.0	0.75
95-50-1	1,2-Dichlorobenzene	43.2		2.0	0.42
107-06-2	1,2-Dichloroethane	43.2		2.0	0.86
78-87-5	1,2-Dichloropropane	43.0		2.0	0.71
541-73-1	1,3-Dichlorobenzene	52.4		2.0	0.68
106-46-7	1,4-Dichlorobenzene	285		2.0	0.67
123-91-1	1,4-Dioxane	1010		100	56
78-93-3	2-Butanone (MEK)	205		10	3.7
591-78-6	2-Hexanone	205		10	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	194		10	2.6
67-64-1	Acetone	175		10	8.8
71-43-2	Benzene	55.0		2.0	0.41
75-25-2	Bromoform	35.7		2.0	1.1
74-83-9	Bromomethane	33.3		2.0	1.1
75-15-0	Carbon disulfide	41.6		2.0	1.6
56-23-5	Carbon tetrachloride	43.9		2.0	0.42
108-90-7	Chlorobenzene	697		2.0	0.75
74-97-5	Chlorobromomethane	42.9		2.0	0.82
124-48-1	Chlorodibromomethane	38.5		2.0	0.56
75-00-3	Chloroethane	35.3		2.0	0.64
67-66-3	Chloroform	42.5		2.0	0.65
74-87-3	Chloromethane	31.7		2.0	0.80
156-59-2	cis-1,2-Dichloroethene	42.8		2.0	0.44
10061-01-5	cis-1,3-Dichloropropene	44.7		2.0	0.44
110-82-7	Cyclohexane	48.8		2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: TT77702.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 11:28

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	40.2		2.0	0.69
75-71-8	Dichlorodifluoromethane	36.6		2.0	0.62
100-41-4	Ethylbenzene	45.0		2.0	0.60
106-93-4	Ethylene Dibromide	42.2		2.0	1.0
98-82-8	Isopropylbenzene	46.2		2.0	0.67
79-20-9	Methyl acetate	79.4		10	1.6
1634-04-4	Methyl tert-butyl ether	41.7		2.0	0.43
108-87-2	Methylcyclohexane	46.8		2.0	1.4
75-09-2	Methylene Chloride	43.9		2.0	0.63
179601-23-1	m-Xylene & p-Xylene	44.7		2.0	0.59
95-47-6	o-Xylene	44.8		2.0	0.72
100-42-5	Styrene	43.2		2.0	0.83
127-18-4	Tetrachloroethene	46.7		2.0	0.50
108-88-3	Toluene	42.6		2.0	0.76
156-60-5	trans-1,2-Dichloroethene	43.3		2.0	0.47
10061-02-6	trans-1,3-Dichloropropene	44.1		2.0	0.45
79-01-6	Trichloroethene	42.4		2.0	0.63
75-69-4	Trichlorofluoromethane	36.5		2.0	0.64
75-01-4	Vinyl chloride	35.7		2.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	104		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77702.D
Lims ID: 460-300484-A-2 MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 11:28:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-A-2 MS
Misc. Info.: 460-0173682-019
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 11:57:10 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 11:57:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.366	0.006	85	20865	20.0	19.6	
2 1,1-Difluoroethane	65	1.384	1.384	0.000	96	33782	20.0	23.2	
4 Dichlorodifluoromethane	85	1.403	1.403	0.000	99	67695	20.0	18.3	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	97	11965	20.0	23.7	a
6 Chloromethane	50	1.567	1.561	0.006	100	62439	20.0	15.8	
7 Vinyl chloride	62	1.653	1.653	0.000	97	65207	20.0	17.9	
8 Butadiene	54	1.665	1.659	0.006	94	60813	20.0	19.3	
9 Bromomethane	94	1.927	1.921	0.006	99	45752	20.0	16.7	
10 Chloroethane	64	1.982	1.976	0.006	99	36660	20.0	17.7	
11 Dichlorofluoromethane	67	2.159	2.153	0.007	99	106834	20.0	17.4	
13 Pentane	72	2.171	2.165	0.006	96	17377	40.0	60.2	
12 Trichlorofluoromethane	101	2.171	2.171	0.000	97	75243	20.0	18.3	
14 Ethanol	46	2.342	2.341	0.001	79	11482	800.0	913.5	
15 Ethyl ether	74	2.348	2.341	0.007	94	37216	20.0	19.8	
16 2-Methyl-1,3-butadiene	53	2.366	2.366	0.000	93	48272	20.0	23.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	91	60639	20.0	20.8	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.464	2.463	0.001	96	95071	20.0	21.4	
19 Acrolein	56	2.512	2.506	0.006	95	14523	40.0	28.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.530	0.007	94	59047	20.0	22.1	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	97	59464	20.0	21.2	
22 Acetone	43	2.622	2.622	0.000	89	68187	100.0	87.4	
23 Iodomethane	142	2.695	2.689	0.006	96	120987	20.0	22.4	
25 Isopropyl alcohol	45	2.707	2.701	0.006	39	30368	200.0	194.4	
24 Carbon disulfide	76	2.726	2.719	0.007	99	209549	20.0	20.8	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	98	41827	20.0	23.3	
27 Methyl acetate	43	2.854	2.847	0.007	98	72899	40.0	39.7	
28 Cyclopentene	67	2.866	2.866	0.000	93	124864	20.0	23.1	
29 Acetonitrile	41	2.909	2.902	0.007	95	48926	200.0	126.2	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	52199	1000.0	1000.0	
30 Methylene Chloride	84	2.970	2.963	0.007	88	71602	20.0	22.0	
32 2-Methyl-2-propanol	59	3.030	3.012	0.018	95	58664	200.0	208.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	97	178570	20.0	20.9	
34 trans-1,2-Dichloroethene	96	3.146	3.146	0.000	93	67467	20.0	21.7	
35 Acrylonitrile	53	3.213	3.207	0.006	96	200661	200.0	201.2	
36 Hexane	57	3.293	3.293	0.000	92	75902	20.0	22.4	
37 Isopropyl ether	45	3.494	3.500	-0.006	97	181822	20.0	20.3	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	109657	20.0	22.2	
39 Vinyl acetate	86	3.536	3.536	0.000	100	25311	40.0	39.7	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	54357	20.0	22.7	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	90	180708	20.0	21.2	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	285401	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.018	0.000	50	22900	20.0	22.4	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	72021	20.0	21.4	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	31998	100.0	102.6	
46 Ethyl acetate	70	4.049	4.048	0.001	94	12404	40.0	37.5	
47 Methyl acrylate	55	4.097	4.097	0.000	99	45117	20.0	20.4	
48 Propionitrile	54	4.170	4.170	0.000	98	77246	200.0	157.2	
50 Tetrahydrofuran	72	4.250	4.244	0.006	58	14369	40.0	33.0	
49 Chlorobromomethane	128	4.250	4.250	0.000	86	36236	20.0	21.4	
51 Methacrylonitrile	67	4.274	4.274	0.000	88	232687	200.0	212.8	
52 Chloroform	83	4.299	4.298	0.001	100	103116	20.0	21.3	
53 Cyclohexane	84	4.433	4.433	0.000	89	90474	20.0	24.4	
54 1,1,1-Trichloroethane	97	4.451	4.445	0.006	97	88880	20.0	21.5	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	153149	50.0	49.0	
56 Carbon tetrachloride	117	4.561	4.561	0.000	97	78414	20.0	22.0	
57 1,1-Dichloropropene	75	4.591	4.585	0.006	99	80857	20.0	22.8	
58 Isobutyl alcohol	43	4.713	4.707	0.006	95	47870	500.0	449.2	
59 Isooctane	57	4.762	4.756	0.006	98	209924	20.0	23.1	
60 Benzene	78	4.780	4.780	0.000	96	295561	20.0	27.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	155641	50.0	50.5	
63 Isopropyl acetate	61	4.835	4.841	-0.006	94	32166	20.0	23.6	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	90	182329	20.0	21.2	
64 1,2-Dichloroethane	62	4.865	4.865	0.000	96	70670	20.0	21.6	
65 n-Heptane	100	4.933	4.939	-0.006	88	14106	20.0	20.0	
* 66 Fluorobenzene	96	5.061	5.060	0.001	99	603637	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	85	34318	500.0	545.5	
68 Trichloroethene	95	5.408	5.408	0.000	96	61179	20.0	21.2	
70 Ethyl acrylate	99	5.530	5.530	0.000	97	8816	20.0	22.8	
69 Methylcyclohexane	83	5.536	5.530	0.006	84	101087	20.0	23.4	
71 1,2-Dichloropropane	63	5.695	5.688	0.007	95	61093	20.0	21.5	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	33203	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	85	27935	40.0	40.9	
75 1,4-Dioxane	88	5.804	5.798	0.006	88	12677	400.0	504.4	
74 Dibromomethane	93	5.817	5.816	0.000	94	37231	20.0	21.5	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	65473	20.0	20.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	71474	20.0	20.1	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	45	3598	20.0	2.16	
78 2-Nitropropane	41	6.304	6.304	0.000	98	20801	40.0	38.8	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	100755	400.0	390.2	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	92490	20.0	22.3	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.627	0.006	95	107529	100.0	97.2	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	99	575531	50.0	52.0	
84 Toluene	91	6.786	6.780	0.006	93	253746	20.0	21.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.133	7.127	0.006	92	78946	20.0	22.1	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	65267	20.0	21.6	
87 1,1,2-Trichloroethane	83	7.341	7.341	0.001	97	43965	20.0	21.7	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	68324	20.0	23.3	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	91	81922	20.0	22.0	
90 2-Hexanone	43	7.615	7.615	0.000	94	151652	100.0	102.4	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	76403	20.0	22.9	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	50725	20.0	19.2	
93 Ethylene Dibromide	107	7.926	7.926	0.000	99	49945	20.0	21.1	
* 94 Chlorobenzene-d5	117	8.475	8.474	0.001	83	437021	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	96	2632558	20.0	348.4	
96 Ethylbenzene	106	8.615	8.615	0.000	98	89267	20.0	22.5	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	95	61278	20.0	22.1	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	108538	20.0	22.4	
100 n-Butyl acrylate	73	9.285	9.285	0.000	98	40753	20.0	21.4	
99 o-Xylene	106	9.285	9.285	0.000	95	111044	20.0	22.4	
101 Styrene	104	9.322	9.322	0.000	96	160481	20.0	21.6	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	93	97624	20.0	22.8	
102 Bromoform	173	9.560	9.560	0.000	57	33408	20.0	17.8	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	280288	20.0	23.1	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	97	200759	50.0	55.2	
106 Bromobenzene	156	10.078	10.078	0.000	94	76772	20.0	21.9	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	68368	20.0	21.3	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	331634	20.0	21.8	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	97	18910	20.0	21.1	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	77	12854	20.0	17.6	a
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	223349	20.0	21.4	
112 4-Ethyltoluene	105	10.291	10.291	0.000	98	275134	20.0	21.3	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	237636	20.0	22.1	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	204592	20.0	21.3	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	72303	20.0	17.2	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	202584	20.0	21.5	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	250050	20.0	22.0	
118 sec-Butylbenzene	105	10.883	10.883	0.001	99	308364	20.0	21.6	
119 1,3-Dichlorobenzene	146	11.011	11.011	0.000	98	177988	20.0	26.2	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	274311	20.0	22.3	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	261927	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	95	977442	20.0	142.7	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	265298	20.0	21.5	
124 Benzyl chloride	91	11.242	11.242	0.000	99	139573	20.0	22.2	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	252387	20.0	21.3	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	171451	20.0	21.1	
127 n-Butylbenzene	92	11.389	11.389	0.001	97	143347	20.0	22.1	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	147214	20.0	21.6	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	266262	20.0	21.1	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	94	16587	20.0	20.7	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	143400	20.0	23.7	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	136395	20.0	23.6	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	99	68209	20.0	28.4	
134 Naphthalene	128	12.925	12.925	0.000	100	298632	20.0	22.6	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	131752	20.0	23.2	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	44.8	
S 139 1,3-Dichloropropene, Total	1				0		40.0	44.4	
S 140 Total BTEX	1				0		100.0	116.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 11:57:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77702.D

Injection Date: 22-Mar-2024 11:28:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-2 MS

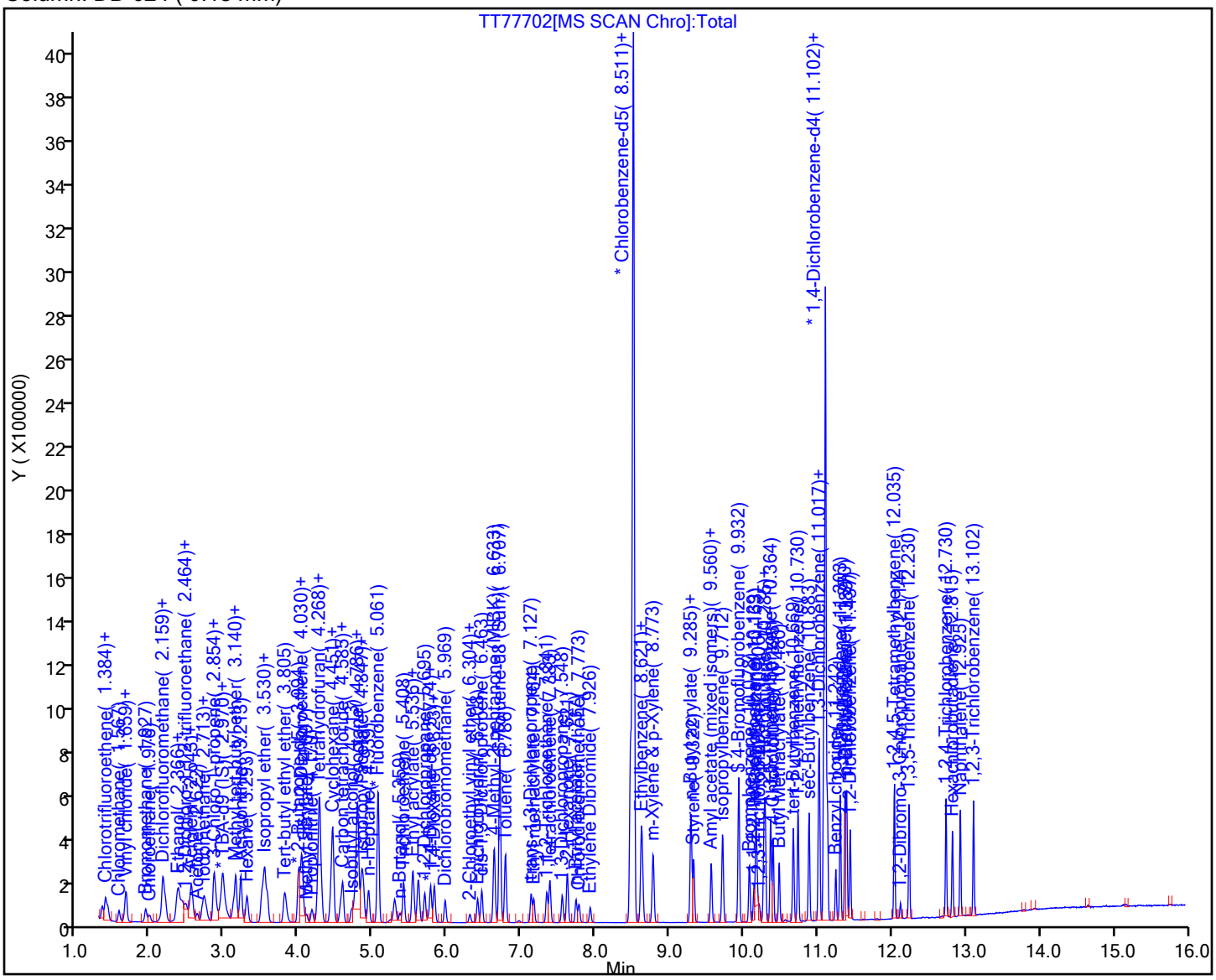
Client ID: MW-16R

Operator ID: ALS Bottle#: 18 Worklist Smp#: 19

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77702.D
Lims ID: 460-300484-A-2 MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 11:28:30 ALS Bottle#: 18 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-A-2 MS
Misc. Info.: 460-0173682-019
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 11:57:10 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 11:57:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.0	98.02
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.5	101.07
$ 83 Toluene-d8 (Surr)	50.0	52.0	103.95
$ 105 4-Bromofluorobenzene	50.0	55.2	110.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: TT77703.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 11:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	43.9		2.0	0.48
79-34-5	1,1,2,2-Tetrachloroethane	42.8		2.0	0.73
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	44.2		2.0	0.62
79-00-5	1,1,2-Trichloroethane	42.0		2.0	0.41
75-34-3	1,1-Dichloroethane	44.8		2.0	0.53
75-35-4	1,1-Dichloroethene	44.0		2.0	0.53
87-61-6	1,2,3-Trichlorobenzene	47.4		2.0	0.71
120-82-1	1,2,4-Trichlorobenzene	47.8		2.0	0.73
96-12-8	1,2-Dibromo-3-Chloropropane	43.2		2.0	0.75
95-50-1	1,2-Dichlorobenzene	43.6		2.0	0.42
107-06-2	1,2-Dichloroethane	44.0		2.0	0.86
78-87-5	1,2-Dichloropropane	44.1		2.0	0.71
541-73-1	1,3-Dichlorobenzene	53.5		2.0	0.68
106-46-7	1,4-Dichlorobenzene	290		2.0	0.67
123-91-1	1,4-Dioxane	1150		100	56
78-93-3	2-Butanone (MEK)	208		10	3.7
591-78-6	2-Hexanone	217		10	2.3
108-10-1	4-Methyl-2-pentanone (MIBK)	204		10	2.6
67-64-1	Acetone	176		10	8.8
71-43-2	Benzene	54.6		2.0	0.41
75-25-2	Bromoform	36.3		2.0	1.1
74-83-9	Bromomethane	34.0		2.0	1.1
75-15-0	Carbon disulfide	42.0		2.0	1.6
56-23-5	Carbon tetrachloride	43.4		2.0	0.42
108-90-7	Chlorobenzene	692		2.0	0.75
74-97-5	Chlorobromomethane	43.9		2.0	0.82
124-48-1	Chlorodibromomethane	37.5		2.0	0.56
75-00-3	Chloroethane	34.4		2.0	0.64
67-66-3	Chloroform	42.3		2.0	0.65
74-87-3	Chloromethane	32.4		2.0	0.80
156-59-2	cis-1,2-Dichloroethene	43.2		2.0	0.44
10061-01-5	cis-1,3-Dichloropropene	44.2		2.0	0.44
110-82-7	Cyclohexane	49.4		2.0	0.64

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: TT77703.D

Analysis Method: 8260D | Date Collected: 03/18/2024 10:55

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 11:48

Soil Aliquot Vol: | Dilution Factor: 2

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965386 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	39.8		2.0	0.69
75-71-8	Dichlorodifluoromethane	35.2		2.0	0.62
100-41-4	Ethylbenzene	45.5		2.0	0.60
106-93-4	Ethylene Dibromide	42.2		2.0	1.0
98-82-8	Isopropylbenzene	45.1		2.0	0.67
79-20-9	Methyl acetate	79.8		10	1.6
1634-04-4	Methyl tert-butyl ether	41.9		2.0	0.43
108-87-2	Methylcyclohexane	47.6		2.0	1.4
75-09-2	Methylene Chloride	44.4		2.0	0.63
179601-23-1	m-Xylene & p-Xylene	44.2		2.0	0.59
95-47-6	o-Xylene	44.2		2.0	0.72
100-42-5	Styrene	42.6		2.0	0.83
127-18-4	Tetrachloroethene	45.3		2.0	0.50
108-88-3	Toluene	42.0		2.0	0.76
156-60-5	trans-1,2-Dichloroethene	42.9		2.0	0.47
10061-02-6	trans-1,3-Dichloropropene	42.8		2.0	0.45
79-01-6	Trichloroethene	43.3		2.0	0.63
75-69-4	Trichlorofluoromethane	39.8		2.0	0.64
75-01-4	Vinyl chloride	36.8		2.0	0.34

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77703.D
Lims ID: 460-300484-A-2 MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 11:48:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-A-2 MSD
Misc. Info.: 460-0173682-020
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:07:17 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 12:07:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	93	21341	20.0	20.4	
2 1,1-Difluoroethane	65	1.378	1.384	-0.006	95	34602	20.0	24.2	
4 Dichlorodifluoromethane	85	1.396	1.403	-0.007	98	63982	20.0	17.6	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	11274	20.0	22.8	
6 Chloromethane	50	1.561	1.561	0.000	98	62560	20.0	16.2	
7 Vinyl chloride	62	1.646	1.653	-0.007	98	65945	20.0	18.4	
8 Butadiene	54	1.659	1.659	0.000	93	61161	20.0	19.8	
9 Bromomethane	94	1.927	1.921	0.006	99	45728	20.0	17.0	
10 Chloroethane	64	1.982	1.976	0.006	99	34991	20.0	17.2	
11 Dichlorofluoromethane	67	2.152	2.153	0.000	99	124263	20.0	20.6	
13 Pentane	72	2.165	2.165	0.000	97	19428	40.0	68.7	
12 Trichlorofluoromethane	101	2.171	2.171	0.000	63	80479	20.0	19.9	
14 Ethanol	46	2.335	2.341	-0.006	76	10712	800.0	887.3	
15 Ethyl ether	74	2.335	2.341	-0.006	95	36818	20.0	19.9	
16 2-Methyl-1,3-butadiene	53	2.366	2.366	0.000	93	47390	20.0	23.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.415	-0.007	84	63975	20.0	22.4	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.457	2.463	-0.006	97	94052	20.0	21.6	
19 Acrolein	56	2.506	2.506	0.000	71	14615	40.0	29.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.530	2.530	0.000	96	57864	20.0	22.1	
21 1,1-Dichloroethene	96	2.549	2.543	0.006	96	60602	20.0	22.0	
22 Acetone	43	2.616	2.622	-0.006	89	66345	100.0	87.9	
23 Iodomethane	142	2.695	2.689	0.006	96	120578	20.0	22.7	
25 Isopropyl alcohol	45	2.707	2.701	0.006	55	31583	200.0	210.5	
24 Carbon disulfide	76	2.725	2.719	0.006	98	207868	20.0	21.0	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	98	39910	20.0	22.6	
27 Methyl acetate	43	2.847	2.847	0.000	97	71903	40.0	39.9	
28 Cyclopentene	67	2.860	2.866	-0.006	93	124827	20.0	23.5	a
29 Acetonitrile	41	2.896	2.902	-0.006	96	74929	200.0	199.6	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	50136	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.963	0.006	88	70965	20.0	22.2	
32 2-Methyl-2-propanol	59	3.012	3.012	0.000	99	59107	200.0	219.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	97	175830	20.0	20.9	
34 trans-1,2-Dichloroethene	96	3.140	3.146	-0.006	93	65600	20.0	21.5	
35 Acrylonitrile	53	3.207	3.207	0.000	96	198753	200.0	203.0	
36 Hexane	57	3.292	3.293	-0.001	92	75041	20.0	22.6	
37 Isopropyl ether	45	3.500	3.500	0.000	93	179285	20.0	20.4	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	108830	20.0	22.4	
39 Vinyl acetate	86	3.536	3.536	0.000	100	24864	40.0	40.3	
40 2-Chloro-1,3-butadiene	88	3.567	3.573	-0.006	88	54130	20.0	23.1	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	90	182031	20.0	21.8	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	276328	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.018	0.000	91	23154	20.0	23.1	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	98	71333	20.0	21.6	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	31336	100.0	103.8	
46 Ethyl acetate	70	4.042	4.048	-0.006	95	12569	40.0	39.2	
47 Methyl acrylate	55	4.097	4.097	0.000	100	43826	20.0	20.2	
48 Propionitrile	54	4.170	4.170	0.000	98	77026	200.0	163.2	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	58	14410	40.0	34.2	
49 Chlorobromomethane	128	4.250	4.250	0.000	83	36448	20.0	22.0	
51 Methacrylonitrile	67	4.268	4.274	-0.006	88	227147	200.0	211.7	
52 Chloroform	83	4.298	4.298	0.000	99	100559	20.0	21.1	
53 Cyclohexane	84	4.426	4.433	-0.007	89	89949	20.0	24.7	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	96	89062	20.0	21.9	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	149477	50.0	48.7	
56 Carbon tetrachloride	117	4.561	4.561	-0.001	99	76066	20.0	21.7	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	98	79210	20.0	22.8	
58 Isobutyl alcohol	43	4.701	4.707	-0.006	95	48761	500.0	476.4	
59 Isooctane	57	4.756	4.756	0.000	98	204318	20.0	23.0	
60 Benzene	78	4.780	4.780	0.000	96	297146	20.0	27.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	151378	50.0	50.1	
63 Isopropyl acetate	61	4.841	4.841	0.000	97	30775	20.0	23.0	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	189117	20.0	22.4	
64 1,2-Dichloroethane	62	4.865	4.865	0.000	97	70589	20.0	22.0	
65 n-Heptane	100	4.932	4.939	-0.007	89	13836	20.0	20.0	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	592333	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	86	35365	500.0	584.8	
68 Trichloroethene	95	5.408	5.408	0.000	96	61367	20.0	21.7	
70 Ethyl acrylate	99	5.530	5.530	0.000	94	8172	20.0	21.6	a
69 Methylcyclohexane	83	5.530	5.530	0.000	81	100882	20.0	23.8	
71 1,2-Dichloropropane	63	5.694	5.688	0.006	95	61493	20.0	22.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	32018	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	86	27639	40.0	41.3	
75 1,4-Dioxane	88	5.804	5.798	0.006	85	13973	400.0	576.6	
74 Dibromomethane	93	5.816	5.816	0.000	93	36311	20.0	21.4	
76 n-Propyl acetate	43	5.829	5.829	0.000	96	66590	20.0	21.5	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	69330	20.0	19.9	
79 2-Chloroethyl vinyl ether	63	6.310	6.304	0.006	39	1081	20.0	0.6605	
78 2-Nitropropane	41	6.298	6.304	-0.006	97	20659	40.0	39.3	
80 Epichlorohydrin	57	6.408	6.408	0.000	99	98474	400.0	393.9	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	92877	20.0	22.1	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	94	109187	100.0	102.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	100	561381	50.0	50.0	
84 Toluene	91	6.780	6.780	0.000	93	253623	20.0	21.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	95	77607	20.0	21.4	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	64667	20.0	21.1	
87 1,1,2-Trichloroethane	83	7.340	7.341	0.000	97	43255	20.0	21.0	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	67277	20.0	22.7	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	91	82388	20.0	21.8	
90 2-Hexanone	43	7.615	7.615	0.000	94	155728	100.0	108.6	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	77479	20.0	22.9	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	50187	20.0	18.8	
93 Ethylene Dibromide	107	7.926	7.926	0.000	99	50611	20.0	21.1	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	443316	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	96	2652700	20.0	346.0	
96 Ethylbenzene	106	8.615	8.615	0.000	97	91699	20.0	22.8	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	96	61642	20.0	21.9	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	108868	20.0	22.1	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	41169	20.0	21.3	
99 o-Xylene	106	9.291	9.285	0.006	95	111099	20.0	22.1	
101 Styrene	104	9.322	9.322	0.000	97	160560	20.0	21.3	
103 Amyl acetate (mixed isomers)	43	9.560	9.560	0.000	93	96485	20.0	22.9	
102 Bromoform	173	9.560	9.560	0.000	58	34504	20.0	18.2	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	278060	20.0	22.6	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	200591	50.0	54.4	
106 Bromobenzene	156	10.078	10.078	0.000	94	77821	20.0	22.5	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	67868	20.0	21.4	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	330191	20.0	22.0	
109 1,2,3-Trichloropropane	110	10.187	10.188	-0.001	98	19044	20.0	21.6	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	95	12999	20.0	18.0	
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	226470	20.0	22.0	
112 4-Ethyltoluene	105	10.291	10.291	0.000	98	276163	20.0	21.7	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	94	236988	20.0	22.4	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	205424	20.0	21.7	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	72590	20.0	17.5	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	201457	20.0	21.7	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	248824	20.0	22.2	
118 sec-Butylbenzene	105	10.882	10.883	0.000	99	309839	20.0	22.0	
119 1,3-Dichlorobenzene	146	11.010	11.011	-0.001	98	179069	20.0	26.8	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	276469	20.0	22.8	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	258184	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	95	979947	20.0	145.1	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	265429	20.0	21.9	
124 Benzyl chloride	91	11.242	11.242	0.000	99	141538	20.0	22.8	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	253690	20.0	21.7	
126 p-Diethylbenzene	119	11.370	11.370	0.000	96	175443	20.0	21.9	
127 n-Butylbenzene	92	11.388	11.389	0.000	98	142840	20.0	22.3	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	146473	20.0	21.8	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	267926	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	92	17054	20.0	21.6	
131 1,3,5-Trichlorobenzene	180	12.230	12.230	0.000	97	141778	20.0	23.8	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	136177	20.0	23.9	
133 Hexachlorobutadiene	225	12.815	12.815	0.000	98	69060	20.0	29.2	
134 Naphthalene	128	12.925	12.925	0.000	99	300661	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	13.102	13.102	0.000	95	132723	20.0	23.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	44.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.5	
S 140 Total BTEX	1				0		100.0	115.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 12:07:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77703.D

Injection Date: 22-Mar-2024 11:48:30 Instrument ID: CVOAMS17

Lims ID: 460-300484-A-2 MSD

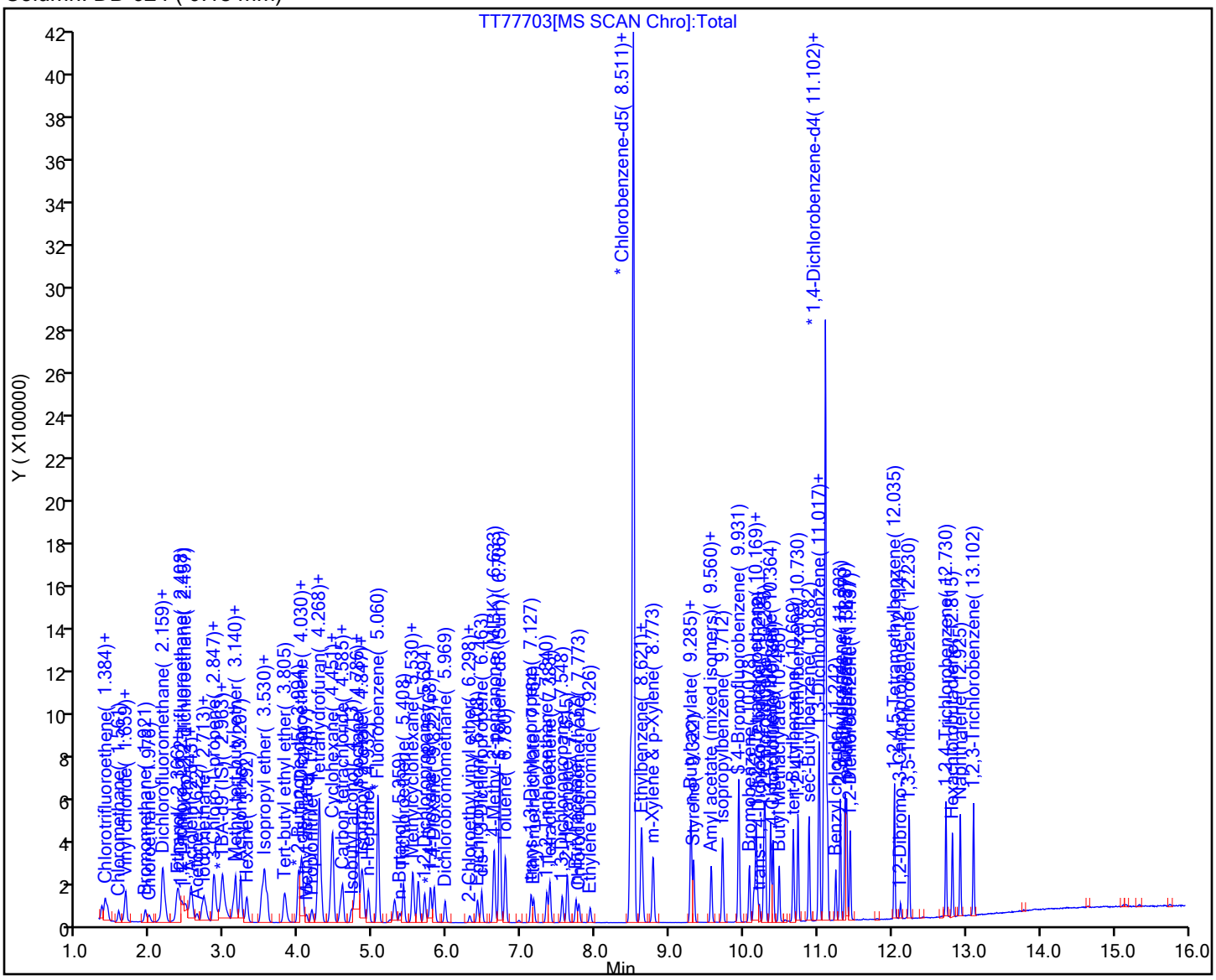
Client ID: MW-16R

Operator ID: ALS Bottle#: 19 Worklist Smp#: 20

Purge Vol: 5.000 mL Dil. Factor: 2.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\TT77703.D
Lims ID: 460-300484-A-2 MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 11:48:30 ALS Bottle#: 19 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 2.0000
Sample Info: 460-300484-A-2 MSD
Misc. Info.: 460-0173682-020
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173682.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Mar-2024 12:07:17 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1648

First Level Reviewer: FK2C Date: 22-Mar-2024 12:07:17

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.7	97.50
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.1	100.18
$ 83 Toluene-d8 (Surr)	50.0	50.0	99.96
$ 105 4-Bromofluorobenzene	50.0	54.4	108.79

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 02/22/2024 06:43

Analysis Batch Number: 960584 End Date: 02/22/2024 20:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-960584/1		02/22/2024 06:43	1	TT76643.D	DB-624 0.18(mm)
STD8 460-960584/3 IC		02/22/2024 07:23	1	TT76645.D	DB-624 0.18(mm)
STD05 460-960584/4 IC		02/22/2024 07:42	1	TT76646.D	DB-624 0.18(mm)
STD1 460-960584/5 IC		02/22/2024 08:03	1	TT76647.D	DB-624 0.18(mm)
STD5 460-960584/6 IC		02/22/2024 08:23	1	TT76648.D	DB-624 0.18(mm)
STD20 460-960584/7 ICIS		02/22/2024 08:42	1	TT76649.D	DB-624 0.18(mm)
STD50 460-960584/8 IC		02/22/2024 09:02	1	TT76650.D	DB-624 0.18(mm)
STD200 460-960584/9 IC		02/22/2024 09:21	1	TT76651.D	DB-624 0.18(mm)
STD500 460-960584/10 IC		02/22/2024 09:41	1	TT76652.D	DB-624 0.18(mm)
ICV 460-960584/14		02/22/2024 10:59	1	TT76656.D	DB-624 0.18(mm)
ZZZZZ		02/22/2024 11:18	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 12:38	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:17	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:17	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:37	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:37	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:56	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:16	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:36	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:55	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:15	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:35	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:54	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:14	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:33	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:53	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:13	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:32	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:52	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:11	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:31	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:50	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:10	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:29	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:49	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:08	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:28	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:47	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 03/22/2024 06:15

Analysis Batch Number: 965386 End Date: 03/22/2024 16:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965386/3		03/22/2024 06:15	1	TT77686.D	DB-624 0.18(mm)
LCS 460-965386/4		03/22/2024 06:35	1	TT77687.D	DB-624 0.18(mm)
LCSD 460-965386/5		03/22/2024 06:54	1	TT77688.D	DB-624 0.18(mm)
MB 460-965386/8		03/22/2024 07:53	1	TT77691.D	DB-624 0.18(mm)
ZZZZZ		03/22/2024 08:12	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 08:32	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 08:51	1		DB-624 0.18(mm)
460-300484-1	MW-12	03/22/2024 09:10	1	TT77695.D	DB-624 0.18(mm)
460-300484-3	MW-17R	03/22/2024 09:30	1	TT77696.D	DB-624 0.18(mm)
460-300484-4	DUP_03182024	03/22/2024 10:09	1	TT77698.D	DB-624 0.18(mm)
460-300484-2	MW-16R	03/22/2024 10:30	2	TT77699.D	DB-624 0.18(mm)
ZZZZZ		03/22/2024 10:49	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 11:09	100		DB-624 0.18(mm)
460-300484-2 MS	MW-16R MS	03/22/2024 11:28	2	TT77702.D	DB-624 0.18(mm)
460-300484-2 MSD	MW-16R MSD	03/22/2024 11:48	2	TT77703.D	DB-624 0.18(mm)
ZZZZZ		03/22/2024 12:57	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 13:16	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 13:36	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 13:55	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 14:15	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 14:34	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 14:54	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 15:13	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 15:33	1000		DB-624 0.18(mm)
ZZZZZ		03/22/2024 16:12	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 16:31	1		DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	14DIOXINTER 00166	524FREONS 00015	7 Freons Hi 00002	7 Freons SS 00011
BFB 460-960584/1		8260D			5 mL	5 mL				
STD8 460-960584/3 IC		8260D			5 mL	5 mL				
STD05 460-960584/4 IC		8260D			5 mL	5 mL	15 uL	5 uL		
STD1 460-960584/5 IC		8260D			5 mL	5 mL	30 uL	10 uL		
STD5 460-960584/6 IC		8260D			5 mL	5 mL		10 uL		
STD20 460-960584/7 ICIS		8260D			5 mL	5 mL		20 uL		
STD50 460-960584/8 IC		8260D			5 mL	5 mL		50 uL		
STD200 460-960584/9 IC		8260D			5 mL	5 mL			20 uL	
STD500 460-960584/10 IC		8260D			5 mL	5 mL			50 uL	
ICV 460-960584/14		8260D			5 mL	5 mL				20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00177	8260MIX1COMB 00183	ACROLEIN SP 00162	ACROLEIN W 00165	ACRY/EPIH MIX 00122	BFB 00035
BFB 460-960584/1		8260D								1 uL
STD8 460-960584/3 IC		8260D							20 uL	
STD05 460-960584/4 IC		8260D				5 uL		2 uL		
STD1 460-960584/5 IC		8260D				10 uL		4 uL		
STD5 460-960584/6 IC		8260D				10 uL		4 uL		
STD20 460-960584/7 ICIS		8260D				20 uL		4 uL		
STD50 460-960584/8 IC		8260D				50 uL		10 uL		
STD200 460-960584/9 IC		8260D						20 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00177	8260MIX1COMB 00183	ACROLEIN SP 00162	ACROLEIN W 00165	ACRY/EPIH MIX 00122	BFB 00035
STD500 460-960584/10 IC		8260D						40 uL		
ICV 460-960584/14		8260D			20 uL		4 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Ethanol mix 00086	GAS C SP 00555	GAS Hi 00463	GASES Li 00572	MIX 2 Hi 00145	MIX I Hi 00173
BFB 460-960584/1		8260D								
STD8 460-960584/3 IC		8260D						2.5 uL		
STD05 460-960584/4 IC		8260D						5 uL		
STD1 460-960584/5 IC		8260D						10 uL		
STD5 460-960584/6 IC		8260D						10 uL		
STD20 460-960584/7 ICIS		8260D						20 uL		
STD50 460-960584/8 IC		8260D						50 uL		
STD200 460-960584/9 IC		8260D			20 uL		20 uL		20 uL	20 uL
STD500 460-960584/10 IC		8260D			50 uL		50 uL		50 uL	50 uL
ICV 460-960584/14		8260D				20 uL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VOA6IS/SURR 00071					
BFB 460-960584/1		8260D								
STD8 460-960584/3 IC		8260D			5 uL					
STD05 460-960584/4 IC		8260D			5 uL					
STD1 460-960584/5 IC		8260D			5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VOA6IS/SURR 00071					
STD5 460-960584/6 IC		8260D			5 uL					
STD20 460-960584/7 ICIS		8260D			5 uL					
STD50 460-960584/8 IC		8260D			5 uL					
STD200 460-960584/9 IC		8260D			5 uL					
STD500 460-960584/10 IC		8260D			5 uL					
ICV 460-960584/14		8260D			5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965386 Batch Start Date: 03/22/24 06:15 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	524FREONS 00016	8260MIX1COMB 00184	ACROLEIN W 00166
CCVIS 460-965386/3		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
LCS 460-965386/4		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
LCSD 460-965386/5		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
MB 460-965386/8		8260D			5 mL	5 mL				
460-300484-A-1	MW-12	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300484-A-3	MW-17R	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300484-A-4	DUP_03182024	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300484-B-2	MW-16R	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300484-A-2 MS	MW-16R	8260D	Water	T	5 mL	5 mL	<2 PH Units	20 uL	20 uL	4 uL
460-300484-A-2 MSD	MW-16R	8260D	Water	T	5 mL	5 mL	<2 PH Units	20 uL	20 uL	4 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GASES Li 00576	VOA6IS/SURR 00071				
CCVIS 460-965386/3		8260D			20 uL	5 uL				
LCS 460-965386/4		8260D			20 uL	5 uL				
LCSD 460-965386/5		8260D			20 uL	5 uL				
MB 460-965386/8		8260D				5 uL				
460-300484-A-1	MW-12	8260D	Water	T		5 uL				
460-300484-A-3	MW-17R	8260D	Water	T		5 uL				
460-300484-A-4	DUP_03182024	8260D	Water	T		5 uL				
460-300484-B-2	MW-16R	8260D	Water	T		5 uL				
460-300484-A-2 MS	MW-16R	8260D	Water	T	20 uL	5 uL				
460-300484-A-2 MSD	MW-16R	8260D	Water	T	20 uL	5 uL				

Batch Notes	

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965386 Batch Start Date: 03/22/24 06:15 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-12	460-300484-1	55	38	109	100	103	68
MW-16R	460-300484-2	65	49	106	96	107	72
MW-17R	460-300484-3	68	51	111	96	104	74
DUP_03182024	460-300484-4	68	52	106	95	108	70
	MB 460-965454/1-A	70	55	90	82	87	57
	LCS 460-965454/17-A	52	39	109	89	105	80
	LCSD 460-965454/18-A	54	40	109	89	102	79
MW-16R MS	460-300484-2 MS	72	53	113	103	111	75
MW-16R MSD	460-300484-2 MSD	75	57 *	115	106	116	82

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	16-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	51-145
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	13-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84291.D

Lab ID: LCS 460-965454/17-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	68.2	85	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	57.9	72	46-136	
2,2'-oxybis[1-chloropropane]	80.0	77.2	96	19-132	
2,3,4,6-Tetrachlorophenol	80.0	78.4	98	66-143	
2,4,5-Trichlorophenol	80.0	73.1	91	67-131	
2,4,6-Trichlorophenol	80.0	77.3	97	68-134	
2,4-Dichlorophenol	80.0	71.6	90	65-120	
2,4-Dimethylphenol	80.0	50.6	63	58-120	
2,4-Dinitrophenol	160	150	94	39-120	
2,4-Dinitrotoluene	80.0	105	132	68-146	
2,6-Dinitrotoluene	80.0	91.1	114	74-141	
2-Chloronaphthalene	80.0	64.6	81	52-131	
2-Chlorophenol	80.0	62.5	78	53-120	
2-Methylnaphthalene	80.0	60.9	76	44-120	
2-Methylphenol	80.0	56.6	71	44-120	
2-Nitroaniline	80.0	93.3	117	44-148	
2-Nitrophenol	80.0	75.3	94	60-125	
3,3'-Dichlorobenzidine	80.0	89.6	112	56-137	
3-Nitroaniline	80.0	69.6	87	54-120	
4,6-Dinitro-2-methylphenol	160	164	103	64-150	
4-Bromophenyl phenyl ether	80.0	78.8	98	62-136	
4-Chloro-3-methylphenol	80.0	69.1	86	61-120	
4-Chloroaniline	80.0	64.8	81	51-127	
4-Chlorophenyl phenyl ether	80.0	83.7	105	59-135	
4-Methylphenol	80.0	50.4	63	37-120	
4-Nitroaniline	80.0	85.6	107	52-141	
4-Nitrophenol	160	80.8	51	10-120	
Acenaphthene	80.0	83.5	104	57-132	
Acenaphthylene	80.0	73.9	92	54-120	
Acetophenone	80.0	89.7	112	62-120	
Anthracene	80.0	89.6	112	65-120	
Atrazine	40.0	53.0	132	10-150	
Benzaldehyde	40.0	47.0	118	10-150	
Benzo[a]anthracene	80.0	92.4	116	67-132	
Benzo[a]pyrene	80.0	91.6	114	60-126	
Benzo[b]fluoranthene	80.0	89.2	112	66-136	
Benzo[g,h,i]perylene	80.0	81.6	102	59-150	
Benzo[k]fluoranthene	80.0	89.3	112	64-135	
Bis(2-chloroethoxy)methane	80.0	80.1	100	60-120	
Bis(2-chloroethyl)ether	80.0	79.1	99	55-120	
Bis(2-ethylhexyl) phthalate	80.0	107	134	60-150	
Butyl benzyl phthalate	80.0	101	126	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84291.D

Lab ID: LCS 460-965454/17-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Caprolactam	40.0	11.2	28	10-120	
Carbazole	80.0	92.7	116	65-129	
Chrysene	80.0	89.4	112	63-127	
Dibenz(a,h)anthracene	80.0	85.2	107	62-150	
Dibenzofuran	80.0	82.5	103	58-132	
Diethyl phthalate	80.0	87.8	110	70-129	
Dimethyl phthalate	80.0	88.7	111	72-131	
Di-n-butyl phthalate	80.0	99.2	124	66-133	
Di-n-octyl phthalate	80.0	104	130	36-150	
Fluoranthene	80.0	94.3	118	65-130	
Fluorene	80.0	88.0	110	63-133	
Hexachlorobenzene	80.0	84.1	105	61-142	
Hexachlorobutadiene	80.0	37.6	47	21-120	
Hexachlorocyclopentadiene	80.0	21.2	26	14-135	
Hexachloroethane	80.0	37.3	47	16-120	
Indeno[1,2,3-cd]pyrene	80.0	95.4	119	65-150	
Isophorone	80.0	89.6	112	61-121	
Naphthalene	80.0	58.3	73	43-120	
Nitrobenzene	80.0	88.1	110	64-120	
N-Nitrosodi-n-propylamine	80.0	91.9	115	53-120	
N-Nitrosodiphenylamine	80.0	84.1	105	63-120	
Pentachlorophenol	160	171	107	51-150	
Phenanthrene	80.0	87.6	110	65-120	
Phenol	80.0	32.2	40	17-120	
Pyrene	80.0	91.9	115	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84292.D

Lab ID: LCSD 460-965454/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	68.1	85	0	30	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	57.6	72	1	30	46-136	
2,2'-oxybis[1-chloropropane]	80.0	79.8	100	3	30	19-132	
2,3,4,6-Tetrachlorophenol	80.0	77.2	97	2	30	66-143	
2,4,5-Trichlorophenol	80.0	72.7	91	1	30	67-131	
2,4,6-Trichlorophenol	80.0	77.3	97	0	30	68-134	
2,4-Dichlorophenol	80.0	71.7	90	0	30	65-120	
2,4-Dimethylphenol	80.0	51.3	64	1	30	58-120	
2,4-Dinitrophenol	160	153	96	2	30	39-120	
2,4-Dinitrotoluene	80.0	105	131	1	30	68-146	
2,6-Dinitrotoluene	80.0	92.4	116	1	30	74-141	
2-Chloronaphthalene	80.0	65.1	81	1	30	52-131	
2-Chlorophenol	80.0	62.0	77	1	30	53-120	
2-Methylnaphthalene	80.0	59.6	74	2	30	44-120	
2-Methylphenol	80.0	58.4	73	3	30	44-120	
2-Nitroaniline	80.0	96.5	121	3	30	44-148	
2-Nitrophenol	80.0	76.0	95	1	30	60-125	
3,3'-Dichlorobenzidine	80.0	88.7	111	1	30	56-137	
3-Nitroaniline	80.0	69.4	87	0	30	54-120	
4,6-Dinitro-2-methylphenol	160	164	102	0	30	64-150	
4-Bromophenyl phenyl ether	80.0	76.2	95	3	30	62-136	
4-Chloro-3-methylphenol	80.0	69.0	86	0	30	61-120	
4-Chloroaniline	80.0	65.3	82	1	30	51-127	
4-Chlorophenyl phenyl ether	80.0	83.6	105	0	30	59-135	
4-Methylphenol	80.0	51.0	64	1	30	37-120	
4-Nitroaniline	80.0	87.0	109	2	30	52-141	
4-Nitrophenol	160	83.0	52	3	30	10-120	
Acenaphthene	80.0	82.6	103	1	30	57-132	
Acenaphthylene	80.0	73.7	92	0	30	54-120	
Acetophenone	80.0	91.8	115	2	30	62-120	
Anthracene	80.0	87.9	110	2	30	65-120	
Atrazine	40.0	52.4	131	1	30	10-150	
Benzaldehyde	40.0	48.7	122	4	30	10-150	
Benzo[a]anthracene	80.0	92.2	115	0	30	67-132	
Benzo[a]pyrene	80.0	91.5	114	0	30	60-126	
Benzo[b]fluoranthene	80.0	88.2	110	1	30	66-136	
Benzo[g,h,i]perylene	80.0	81.0	101	1	30	59-150	
Benzo[k]fluoranthene	80.0	89.6	112	0	30	64-135	
Bis(2-chloroethoxy)methane	80.0	80.6	101	1	30	60-120	
Bis(2-chloroethyl)ether	80.0	80.7	101	2	30	55-120	
Bis(2-ethylhexyl) phthalate	80.0	109	136	2	30	60-150	
Butyl benzyl phthalate	80.0	103	128	2	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84292.D

Lab ID: LCSD 460-965454/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	11.2	28	0	30	10-120	
Carbazole	80.0	91.8	115	1	30	65-129	
Chrysene	80.0	90.6	113	1	30	63-127	
Dibenz(a,h)anthracene	80.0	86.7	108	2	30	62-150	
Dibenzofuran	80.0	82.8	104	0	30	58-132	
Diethyl phthalate	80.0	88.9	111	1	30	70-129	
Dimethyl phthalate	80.0	89.3	112	1	30	72-131	
Di-n-butyl phthalate	80.0	98.5	123	1	30	66-133	
Di-n-octyl phthalate	80.0	105	131	1	30	36-150	
Fluoranthene	80.0	92.9	116	2	30	65-130	
Fluorene	80.0	87.2	109	1	30	63-133	
Hexachlorobenzene	80.0	81.4	102	3	30	61-142	
Hexachlorobutadiene	80.0	38.2	48	2	30	21-120	
Hexachlorocyclopentadiene	80.0	20.8	26	2	30	14-135	
Hexachloroethane	80.0	37.9	47	2	30	16-120	
Indeno[1,2,3-cd]pyrene	80.0	94.5	118	1	30	65-150	
Isophorone	80.0	88.5	111	1	30	61-121	
Naphthalene	80.0	58.0	72	1	30	43-120	
Nitrobenzene	80.0	88.0	110	0	30	64-120	
N-Nitrosodi-n-propylamine	80.0	93.0	116	1	30	53-120	
N-Nitrosodiphenylamine	80.0	82.9	104	2	30	63-120	
Pentachlorophenol	160	168	105	2	30	51-150	
Phenanthrene	80.0	88.0	110	0	30	65-120	
Phenol	80.0	32.7	41	2	30	17-120	
Pyrene	80.0	92.3	115	0	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84282.D

Lab ID: 460-300484-2 MS Client ID: MW-16R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	40.0	10 U	46.0	115	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	10 U	42.5	106	46-136	
2,2'-oxybis[1-chloropropane]	40.0	10 U	45.9	115	19-132	
2,3,4,6-Tetrachlorophenol	40.0	10 U	48.9	122	66-143	
2,4,5-Trichlorophenol	40.0	10 U	46.4	116	67-131	
2,4,6-Trichlorophenol	40.0	10 U	49.4	124	68-134	
2,4-Dichlorophenol	40.0	1.2 J	47.9	117	65-120	
2,4-Dimethylphenol	40.0	10 U	32.0	80	58-120	
2,4-Dinitrophenol	80.0	40 U	107	133	39-120	*
2,4-Dinitrotoluene	40.0	10 U	59.0	147	68-146	*
2,6-Dinitrotoluene	40.0	2.0 U	51.7	129	74-141	
2-Chloronaphthalene	40.0	10 U	43.8	109	52-131	
2-Chlorophenol	40.0	9.4 J	48.6	98	53-120	
2-Methylnaphthalene	40.0	10 U	45.5	114	44-120	
2-Methylphenol	40.0	10 U	39.2	98	44-120	
2-Nitroaniline	40.0	10 U	56.4	141	44-148	
2-Nitrophenol	40.0	10 U	48.0	120	60-125	
3,3'-Dichlorobenzidine	40.0	10 U	10 U	0	56-137	*
3-Nitroaniline	40.0	10 U	29.6	74	54-120	
4,6-Dinitro-2-methylphenol	80.0	20 U	106	133	64-150	
4-Bromophenyl phenyl ether	40.0	10 U	43.5	109	62-136	
4-Chloro-3-methylphenol	40.0	10 U	46.6	116	61-120	
4-Chloroaniline	40.0	10 U	5.53 J	14	51-127	*
4-Chlorophenyl phenyl ether	40.0	10 U	47.2	118	59-135	
4-Methylphenol	40.0	10 U	35.8	89	37-120	
4-Nitroaniline	40.0	10 U	47.7	119	52-141	
4-Nitrophenol	80.0	20 U	68.1	85	10-120	
Acenaphthene	40.0	10 U	50.6	127	57-132	
Acenaphthylene	40.0	10 U	45.1	113	54-120	
Acetophenone	40.0	10 U	48.4	121	62-120	*
Anthracene	40.0	10 U	49.0	123	65-120	*
Atrazine	40.0	2.0 U	75.4	188	10-150	E *
Benzaldehyde	40.0	10 U	74.4	186	10-150	E *
Benzo[a]anthracene	40.0	1.0 U	51.2	128	67-132	
Benzo[a]pyrene	40.0	1.0 U	51.3	128	60-126	*
Benzo[b]fluoranthene	40.0	2.0 U	48.9	122	66-136	
Benzo[g,h,i]perylene	40.0	10 U	44.2	110	59-150	
Benzo[k]fluoranthene	40.0	1.0 U	49.0	122	64-135	
Bis(2-chloroethoxy)methane	40.0	10 U	46.1	115	60-120	
Bis(2-chloroethyl)ether	40.0	1.0 U	44.9	112	55-120	
Bis(2-ethylhexyl) phthalate	40.0	2.0 U	64.6	161	60-150	*
Butyl benzyl phthalate	40.0	10 U	59.4	148	63-147	*

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84282.D

Lab ID: 460-300484-2 MS Client ID: MW-16R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	40.0	10 U	20.1	50	10-120	
Carbazole	40.0	10 U	50.1	125	65-129	
Chrysene	40.0	2.0 U	50.9	127	63-127	
Dibenz(a,h)anthracene	40.0	1.0 U	45.8	115	62-150	
Dibenzofuran	40.0	10 U	48.9	122	58-132	
Diethyl phthalate	40.0	10 U	50.2	126	70-129	
Dimethyl phthalate	40.0	10 U	50.5	126	72-131	
Di-n-butyl phthalate	40.0	10 U	55.1	138	66-133	*
Di-n-octyl phthalate	40.0	10 U	61.3	153	36-150	*
Fluoranthene	40.0	10 U	52.4	131	65-130	*
Fluorene	40.0	10 U	50.0	125	63-133	
Hexachlorobenzene	40.0	1.0 U	46.5	116	61-142	
Hexachlorobutadiene	40.0	1.0 U	33.3	83	21-120	
Hexachlorocyclopentadiene	40.0	10 U	23.0	58	14-135	
Hexachloroethane	40.0	2.0 U	31.6	79	16-120	
Indeno[1,2,3-cd]pyrene	40.0	2.0 U	51.5	129	65-150	
Isophorone	40.0	10 U	50.5	126	61-121	*
Naphthalene	40.0	8.0	46.3	96	43-120	
Nitrobenzene	40.0	1.0 U	48.7	122	64-120	*
N-Nitrosodi-n-propylamine	40.0	1.0 U	50.5	126	53-120	*
N-Nitrosodiphenylamine	40.0	10 U	46.9	117	63-120	
Pentachlorophenol	80.0	20 U	106	133	51-150	
Phenanthrene	40.0	10 U	49.0	123	65-120	*
Phenol	40.0	10 U	23.2	58	17-120	
Pyrene	40.0	10 U	52.3	131	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84283.D

Lab ID: 460-300484-2 MSD Client ID: MW-16R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	40.0	44.7	112	3	30	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	40.8	102	4	30	46-136	
2,2'-oxybis[1-chloropropane]	40.0	44.7	112	3	30	19-132	
2,3,4,6-Tetrachlorophenol	40.0	47.6	119	3	30	66-143	
2,4,5-Trichlorophenol	40.0	44.9	112	3	30	67-131	
2,4,6-Trichlorophenol	40.0	47.0	118	5	30	68-134	
2,4-Dichlorophenol	40.0	46.8	114	2	30	65-120	
2,4-Dimethylphenol	40.0	31.7	79	1	30	58-120	
2,4-Dinitrophenol	80.0	100	125	6	30	39-120	*
2,4-Dinitrotoluene	40.0	57.2	143	3	30	68-146	
2,6-Dinitrotoluene	40.0	51.4	129	1	30	74-141	
2-Chloronaphthalene	40.0	42.4	106	3	30	52-131	
2-Chlorophenol	40.0	49.9	101	3	30	53-120	
2-Methylnaphthalene	40.0	45.0	112	1	30	44-120	
2-Methylphenol	40.0	39.4	99	1	30	44-120	
2-Nitroaniline	40.0	52.5	131	7	30	44-148	
2-Nitrophenol	40.0	45.5	114	5	30	60-125	
3,3'-Dichlorobenzidine	40.0	10 U	0	NC	30	56-137	*
3-Nitroaniline	40.0	35.5	89	18	30	54-120	
4,6-Dinitro-2-methylphenol	80.0	102	127	4	30	64-150	
4-Bromophenyl phenyl ether	40.0	42.3	106	3	30	62-136	
4-Chloro-3-methylphenol	40.0	46.4	116	0	30	61-120	
4-Chloroaniline	40.0	11.3	28	68	30	51-127	*
4-Chlorophenyl phenyl ether	40.0	45.4	113	4	30	59-135	
4-Methylphenol	40.0	36.4	91	2	30	37-120	
4-Nitroaniline	40.0	43.7	109	9	30	52-141	
4-Nitrophenol	80.0	66.2	83	3	30	10-120	
Acenaphthene	40.0	48.6	122	4	30	57-132	
Acenaphthylene	40.0	43.8	109	3	30	54-120	
Acetophenone	40.0	47.6	119	2	30	62-120	
Anthracene	40.0	48.2	120	2	30	65-120	
Atrazine	40.0	58.6	147	25	30	10-150	E
Benzaldehyde	40.0	59.1	148	23	30	10-150	E
Benzo[a]anthracene	40.0	49.3	123	4	30	67-132	
Benzo[a]pyrene	40.0	49.6	124	3	30	60-126	
Benzo[b]fluoranthene	40.0	47.4	119	3	30	66-136	
Benzo[g,h,i]perylene	40.0	42.4	106	4	30	59-150	
Benzo[k]fluoranthene	40.0	47.0	117	4	30	64-135	
Bis(2-chloroethoxy)methane	40.0	44.9	112	3	30	60-120	
Bis(2-chloroethyl)ether	40.0	45.0	112	0	30	55-120	
Bis(2-ethylhexyl) phthalate	40.0	62.1	155	4	30	60-150	*
Butyl benzyl phthalate	40.0	58.3	146	2	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84283.D

Lab ID: 460-300484-2 MSD Client ID: MW-16R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	16.2	41	21	30	10-120	
Carbazole	40.0	48.8	122	3	30	65-129	
Chrysene	40.0	49.8	125	2	30	63-127	
Dibenz(a,h)anthracene	40.0	44.3	111	3	30	62-150	
Dibenzofuran	40.0	47.7	119	3	30	58-132	
Diethyl phthalate	40.0	48.9	122	3	30	70-129	
Dimethyl phthalate	40.0	48.4	121	4	30	72-131	
Di-n-butyl phthalate	40.0	53.5	134	3	30	66-133	*
Di-n-octyl phthalate	40.0	58.9	147	4	30	36-150	
Fluoranthene	40.0	50.2	125	4	30	65-130	
Fluorene	40.0	48.0	120	4	30	63-133	
Hexachlorobenzene	40.0	44.9	112	4	30	61-142	
Hexachlorobutadiene	40.0	33.4	83	0	30	21-120	
Hexachlorocyclopentadiene	40.0	23.2	58	1	30	14-135	
Hexachloroethane	40.0	31.7	79	0	30	16-120	
Indeno[1,2,3-cd]pyrene	40.0	49.6	124	4	30	65-150	
Isophorone	40.0	50.2	126	1	30	61-121	*
Naphthalene	40.0	49.2	103	6	30	43-120	
Nitrobenzene	40.0	47.5	119	3	30	64-120	
N-Nitrosodi-n-propylamine	40.0	48.8	122	3	30	53-120	*
N-Nitrosodiphenylamine	40.0	45.8	115	2	30	63-120	
Pentachlorophenol	80.0	102	128	4	30	51-150	
Phenanthrene	40.0	47.9	120	2	30	65-120	
Phenol	40.0	23.3	58	1	30	17-120	
Pyrene	40.0	51.2	128	2	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab File ID: P84272.D Lab Sample ID: MB 460-965454/1-A

Matrix: Water Date Extracted: 03/22/2024 09:13

Instrument ID: CBNAMS18 Date Analyzed: 03/22/2024 13:30

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DUP_03182024	460-300484-4	P84275.D	03/22/2024 14:34
MW-12	460-300484-1	P84280.D	03/22/2024 16:20
MW-16R	460-300484-2	P84281.D	03/22/2024 16:41
MW-16R MS	460-300484-2 MS	P84282.D	03/22/2024 17:03
MW-16R MSD	460-300484-2 MSD	P84283.D	03/22/2024 17:24
MW-17R	460-300484-3	P84284.D	03/22/2024 17:45
	LCS 460-965454/17-A	P84291.D	03/22/2024 23:41
	LCSD 460-965454/18-A	P84292.D	03/23/2024 00:11

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab File ID: P83864a.D DFTPP Injection Date: 03/04/2024

Instrument ID: CBNAMS18 DFTPP Injection Time: 11:06

Analysis Batch No.: 962246

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.8	(1.9) 1
69	Present	39.9	
70	Less than 2% of m/z 69	0.2	(0.4) 1
197	Less than 2% of m/z 198	1.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.8	
365	Greater than 1% of Base Peak	4.5	
441	Less than 150% of m/z 443	22.6	(81.6) 3
442	Present	135.3	
443	15-24% of m/z 442	27.6	(20.4) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-962246/2	P83865.D	03/04/2024	11:22
	STD24 460-962246/3	P83867.D	03/04/2024	12:05
	STD16 460-962246/4	P83869.D	03/04/2024	12:47
	STD4 460-962246/5	P83871.D	03/04/2024	13:30
	STD2 460-962246/6	P83873.D	03/04/2024	14:12
	STD1 460-962246/7	P83875.D	03/04/2024	14:54
	STD04 460-962246/8	P83877.D	03/04/2024	15:37
	STD02 460-962246/9	P83879.D	03/04/2024	16:19
	STD01 460-962246/10	P83881.D	03/04/2024	17:02
	ICV 460-962246/11	P83883.D	03/04/2024	17:44

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: ICIS 460-962246/2 Date Analyzed: 03/04/2024 11:22

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P83865.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		379005	4.25	1505123	5.46	782399	7.13
UPPER LIMIT		758010	4.75	3010246	5.96	1564798	7.63
LOWER LIMIT		189503	3.75	752562	4.96	391200	6.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962246/11		337142	4.24	1337583	5.46	716413	7.13

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: ICIS 460-962246/2 Date Analyzed: 03/04/2024 11:22

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P83865.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1324110	8.54	934782	11.13	948919	12.96
UPPER LIMIT		2648220	9.04	1869564	11.63	1897838	13.46
LOWER LIMIT		662055	8.04	467391	10.63	474460	12.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962246/11		1198958	8.53	841450	11.13	829833	12.95

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965372/2 Date Analyzed: 03/22/2024 06:07

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84251.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		287860	4.14	1104197	5.36	586294	7.03
UPPER LIMIT		575720	4.64	2208394	5.86	1172588	7.53
LOWER LIMIT		143930	3.64	552099	4.86	293147	6.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965454/1-A		295902	4.13	1226488	5.36	703858	7.02
460-300484-4	DUP_03182024	270337	4.14	1078164	5.36	593427	7.03
460-300484-1	MW-12	255056	4.13	1044026	5.36	595118	7.03
460-300484-2	MW-16R	268358	4.14	1076605	5.36	600080	7.03
460-300484-2 MS	MW-16R MS	274224	4.13	1103466	5.35	601969	7.03
460-300484-2 MSD	MW-16R MSD	251654	4.13	1025077	5.35	569634	7.03
460-300484-3	MW-17R	262918	4.13	1058949	5.36	596651	7.03

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965372/2 Date Analyzed: 03/22/2024 06:07

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84251.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1011315	8.43	799384	11.00	725843	12.78
UPPER LIMIT		2022630	8.93	1598768	11.50	1451686	13.28
LOWER LIMIT		505658	7.93	399692	10.50	362922	12.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965454/1-A		1305131	8.43	876030	11.00	880959	12.78
460-300484-4	DUP_03182024	1044956	8.43	705257	11.00	718263	12.78
460-300484-1	MW-12	1069857	8.42	710011	11.00	701793	12.78
460-300484-2	MW-16R	1056501	8.42	690646	11.00	689604	12.78
460-300484-2 MS	MW-16R MS	1068921	8.43	751931	11.00	744019	12.78
460-300484-2 MSD	MW-16R MSD	996805	8.43	687786	11.00	683092	12.78
460-300484-3	MW-17R	1050775	8.43	693795	11.00	682565	12.78

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965547/2 Date Analyzed: 03/22/2024 22:34

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84288.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		280285	4.13	1115018	5.36	602325	7.03
UPPER LIMIT		560570	4.63	2230036	5.86	1204650	7.53
LOWER LIMIT		140143	3.63	557509	4.86	301163	6.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965454/17-A		267156	4.13	1080561	5.36	592499	7.03
LCSD 460-965454/18-A		261565	4.13	1068234	5.36	578694	7.03

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965547/2 Date Analyzed: 03/22/2024 22:34

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84288.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1041920	8.43	778527	11.01	721470	12.78
UPPER LIMIT		2083840	8.93	1557054	11.51	1442940	13.28
LOWER LIMIT		520960	7.93	389264	10.51	360735	12.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965454/17-A		1048366	8.43	765831	11.00	737647	12.78
LCSD 460-965454/18-A		1029815	8.43	732373	11.01	716722	12.79

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Matrix: Water | Lab File ID: P84280.D

Analysis Method: 8270E | Date Collected: 03/18/2024 13:50

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:20

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Matrix: Water | Lab File ID: P84280.D

Analysis Method: 8270E | Date Collected: 03/18/2024 13:50

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:20

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Matrix: Water | Lab File ID: P84280.D

Analysis Method: 8270E | Date Collected: 03/18/2024 13:50

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:20

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	103		37-150
321-60-8	2-Fluorobiphenyl	100		46-139
367-12-4	2-Fluorophenol (Surr)	55		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	109		51-145
4165-62-2	Phenol-d5 (Surr)	38		10-56
1718-51-0	Terphenyl-d14 (Surr)	68		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D
Lims ID: 460-300484-E-1-A
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 16:20:30 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-031
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:07:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	225410	5.54	
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	185142	3.83	
* 14 1,4-Dichlorobenzene-d4	152	4.132	4.137	-0.005	96	255056	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.670	-0.002	86	462531	10.9	
* 38 Naphthalene-d8	136	5.355	5.358	-0.003	99	1044026	8.00	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	-0.001	97	1100439	10.0	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	95	595118	8.00	
$ 79 2,4,6-Tribromophenol	330	7.772	7.775	-0.003	92	193702	10.3	
* 88 Phenanthrene-d10	188	8.424	8.428	-0.004	98	1069857	8.00	
$ 97 Terphenyl-d14	244	9.947	9.951	-0.002	97	738247	6.83	
* 103 Chrysene-d12	240	10.997	11.001	-0.004	99	710011	8.00	
* 110 Perylene-d12	264	12.782	12.782	0.000	99	701793	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

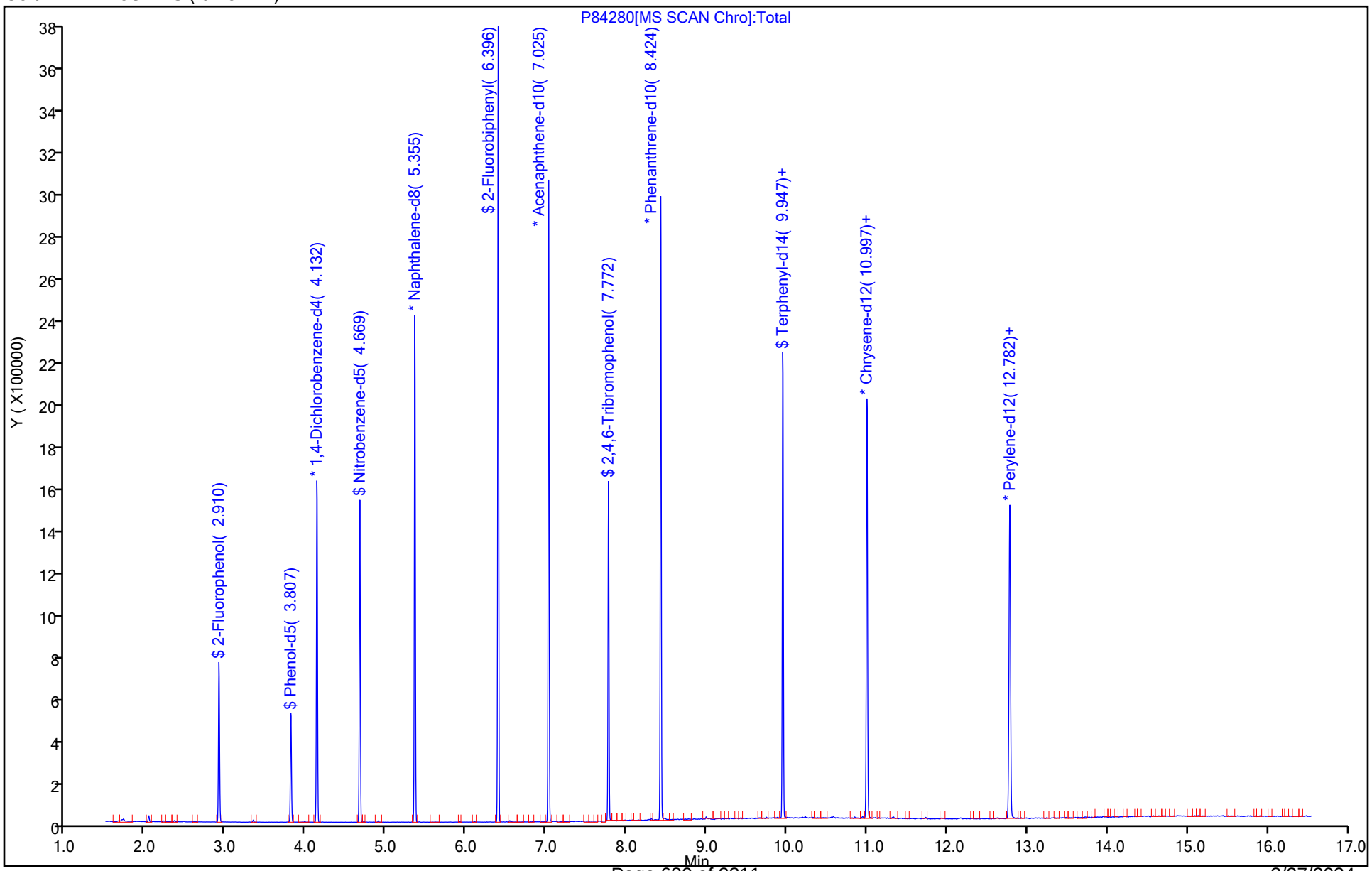
Report Date: 25-Mar-2024 08:29:49 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D

Injection Date:	22-Mar-2024 16:20:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-1-A	Lab Sample ID:	460-300484-1	Worklist Smp#:	31
Client ID:	MW-12				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D
Lims ID: 460-300484-E-1-A
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 16:20:30 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-031
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:07:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.54	55.35
$ 6 Phenol-d5	10.0	3.83	38.27
$ 28 Nitrobenzene-d5	10.0	10.9	109.38
$ 53 2-Fluorobiphenyl	10.0	10.0	100.19
$ 79 2,4,6-Tribromophenol	10.0	10.3	103.43
$ 97 Terphenyl-d14	10.0	6.83	68.28

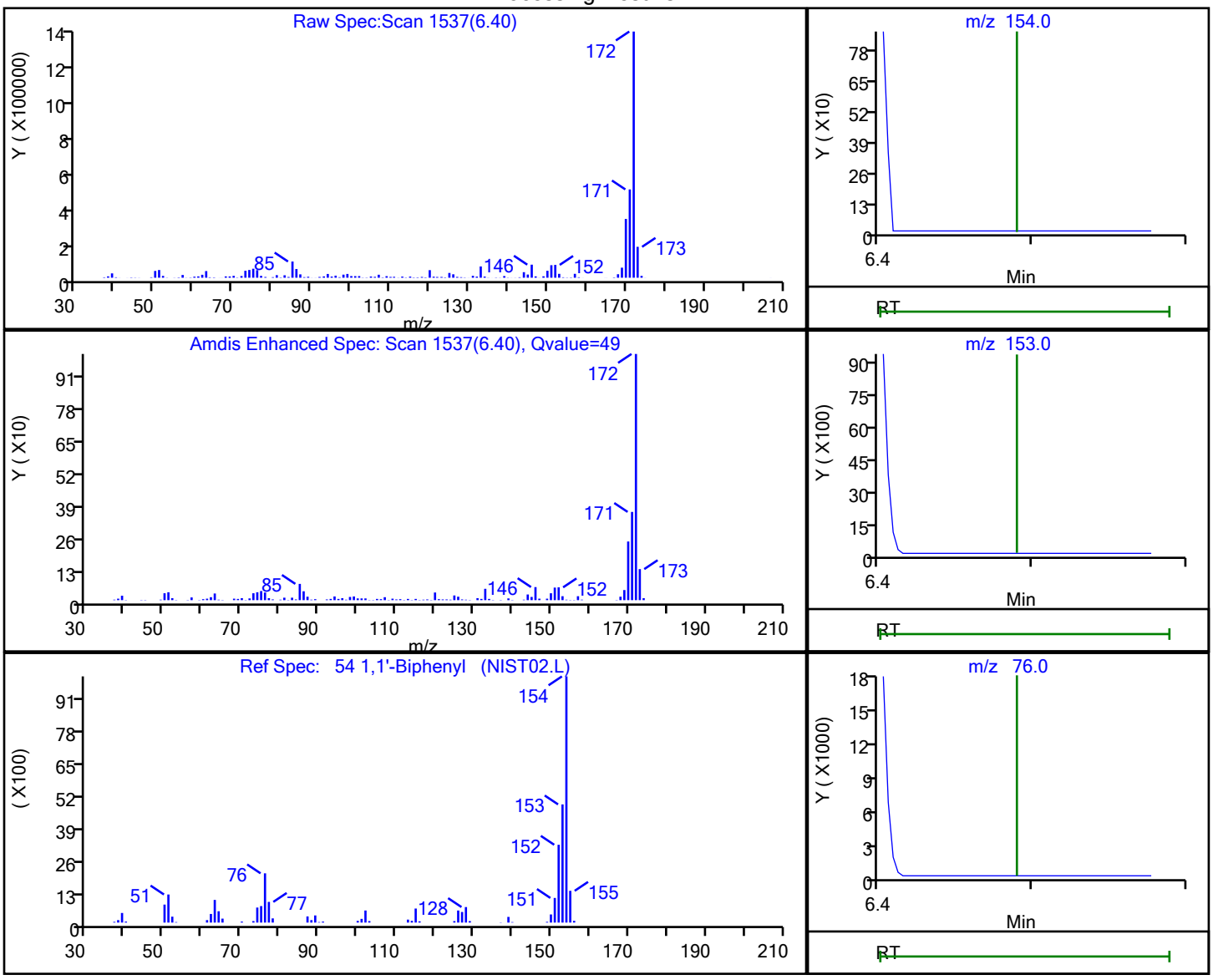
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D				
Injection Date:	22-Mar-2024 16:20:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-1-A	Lab Sample ID:	460-300484-1		
Client ID:	MW-12				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	1898	0.015420
6.40	153.00	17374	
6.40	76.00	33870	

Reviewer: U6BX, 22-Mar-2024 18:07:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

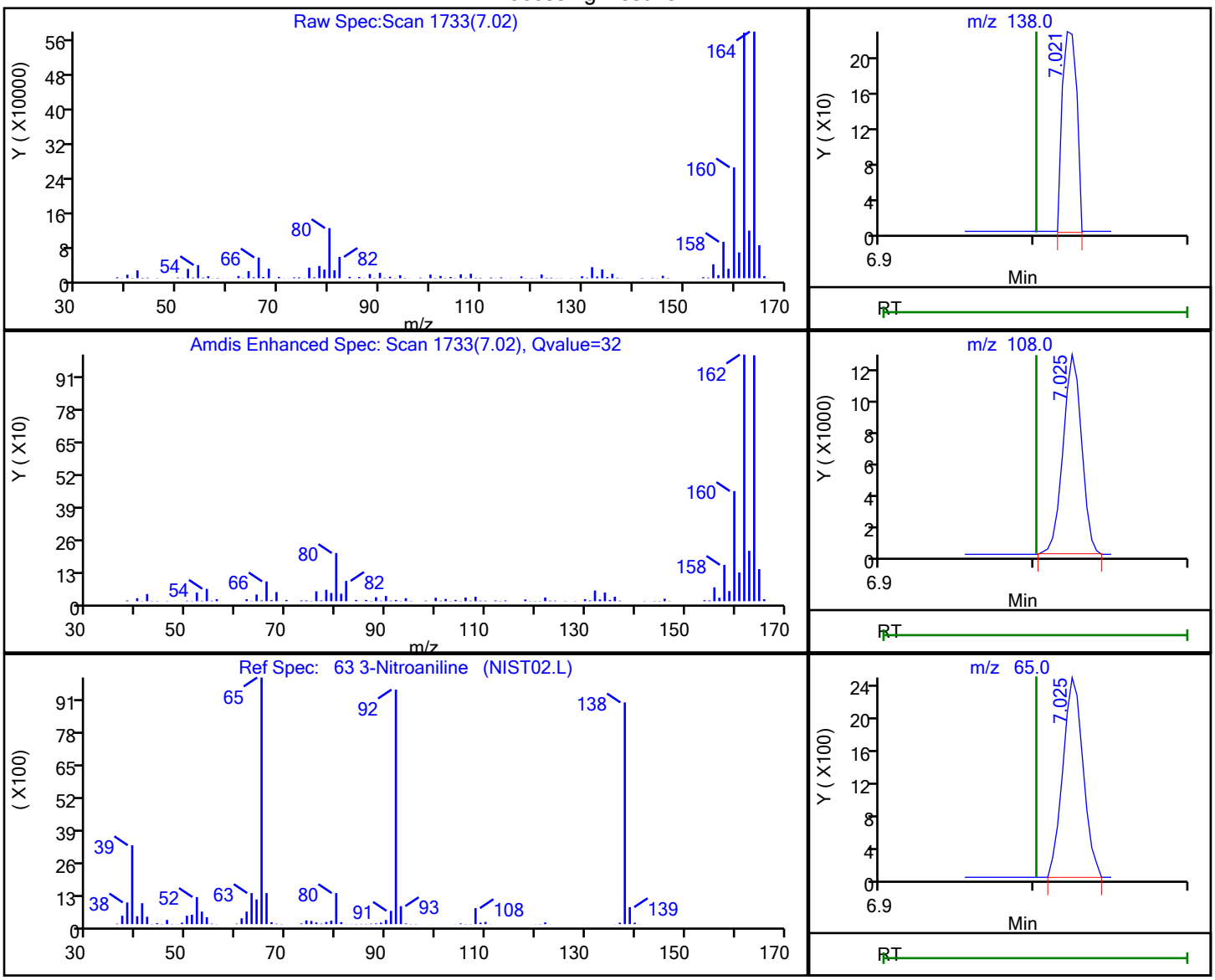
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D				
Injection Date:	22-Mar-2024 16:20:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-1-A	Lab Sample ID:	460-300484-1		
Client ID:	MW-12				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.02	138.00	146	0.006270
7.02	108.00	10660	
7.02	65.00	2285	

Reviewer: U6BX, 22-Mar-2024 18:07:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

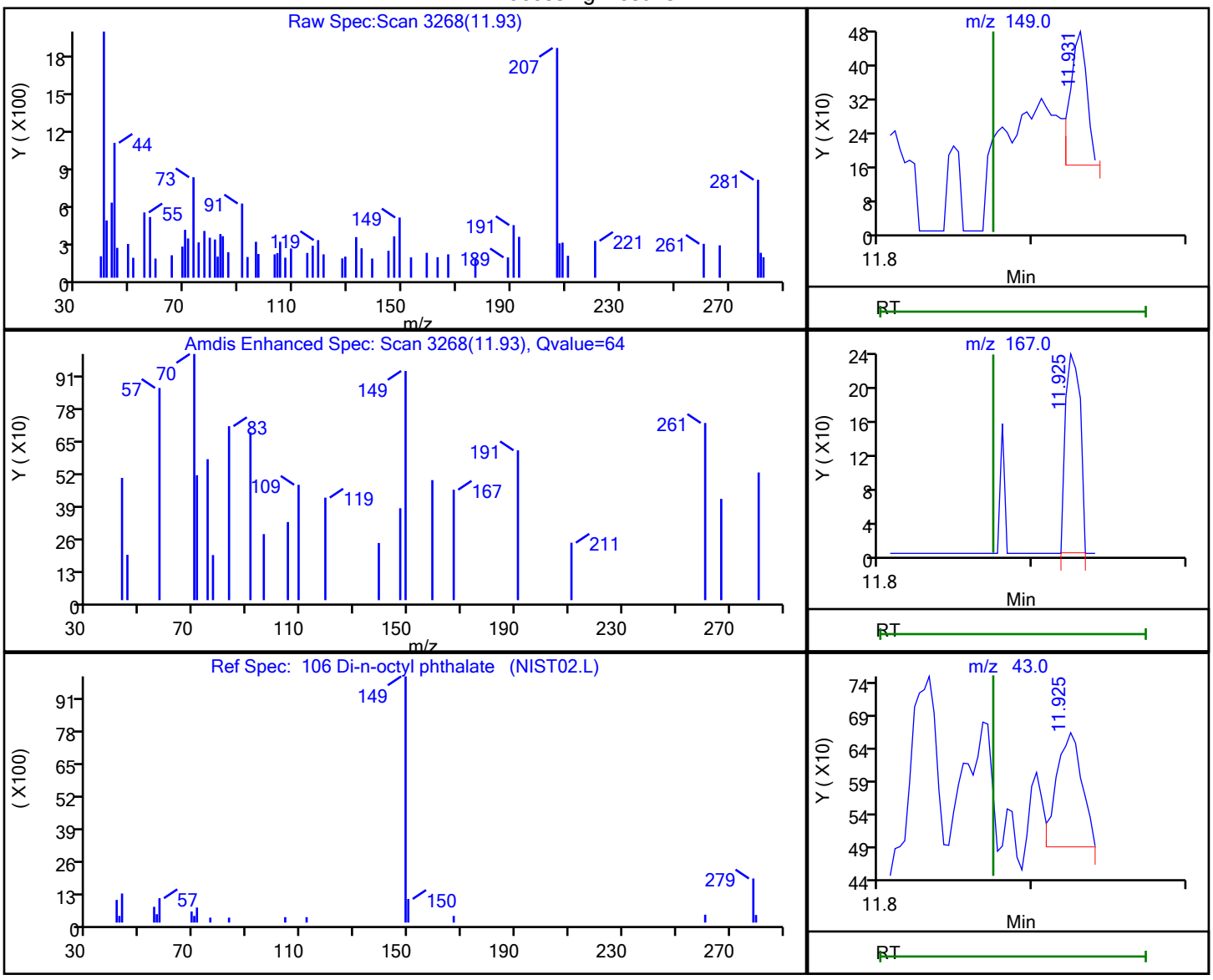
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84280.D				
Injection Date:	22-Mar-2024 16:20:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-1-A	Lab Sample ID:	460-300484-1		
Client ID:	MW-12				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.93	149.00	233	0.002043
11.92	167.00	159	
11.92	43.00	197	

Reviewer: U6BX, 22-Mar-2024 18:07:23 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: P84281.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.2	J	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	9.4	J	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: P84281.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	8.0		2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: P84281.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 16:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	107		37-150
321-60-8	2-Fluorobiphenyl	96		46-139
367-12-4	2-Fluorophenol (Surr)	65		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	106		51-145
4165-62-2	Phenol-d5 (Surr)	49		10-56
1718-51-0	Terphenyl-d14 (Surr)	72		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D
Lims ID: 460-300484-E-2-B
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 16:41:30 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-032
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:31:24 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	279987	6.53	
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	247621	4.87	
11 2-Chlorophenol	128	3.941	3.939	-0.001	96	55799	1.17	
13 1,3-Dichlorobenzene	146	4.078	4.076	-0.001	96	32376	0.5970	
* 14 1,4-Dichlorobenzene-d4	152	4.136	4.137	-0.001	94	268358	8.00	
15 1,4-Dichlorobenzene	146	4.152	4.149	-0.001	96	940294	17.0	
$ 28 Nitrobenzene-d5	82	4.669	4.670	-0.002	86	461461	10.6	
36 2,4-Dichlorophenol	162	5.257	5.239	0.018	93	6212	0.1551	
* 38 Naphthalene-d8	136	5.356	5.358	-0.002	99	1076605	8.00	
39 Naphthalene	128	5.378	5.376	0.001	95	147479	1.00	
$ 53 2-Fluorobiphenyl	172	6.395	6.396	-0.002	97	1059179	9.56	
* 64 Acenaphthene-d10	164	7.026	7.027	-0.001	95	600080	8.00	
$ 79 2,4,6-Tribromophenol	330	7.773	7.775	-0.002	93	201878	10.7	
81 1-Naphthylamine	143	7.955	7.911	0.044	54	458	NC	
86 2-Naphthylamine	143	8.312	8.315	-0.003	59	572	NC	
* 88 Phenanthrene-d10	188	8.424	8.428	-0.004	98	1056501	8.00	
$ 97 Terphenyl-d14	244	9.947	9.951	-0.002	97	753103	7.16	
* 103 Chrysene-d12	240	10.999	11.001	-0.002	99	690646	8.00	
* 110 Perylene-d12	264	12.782	12.782	0.000	99	689604	8.00	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

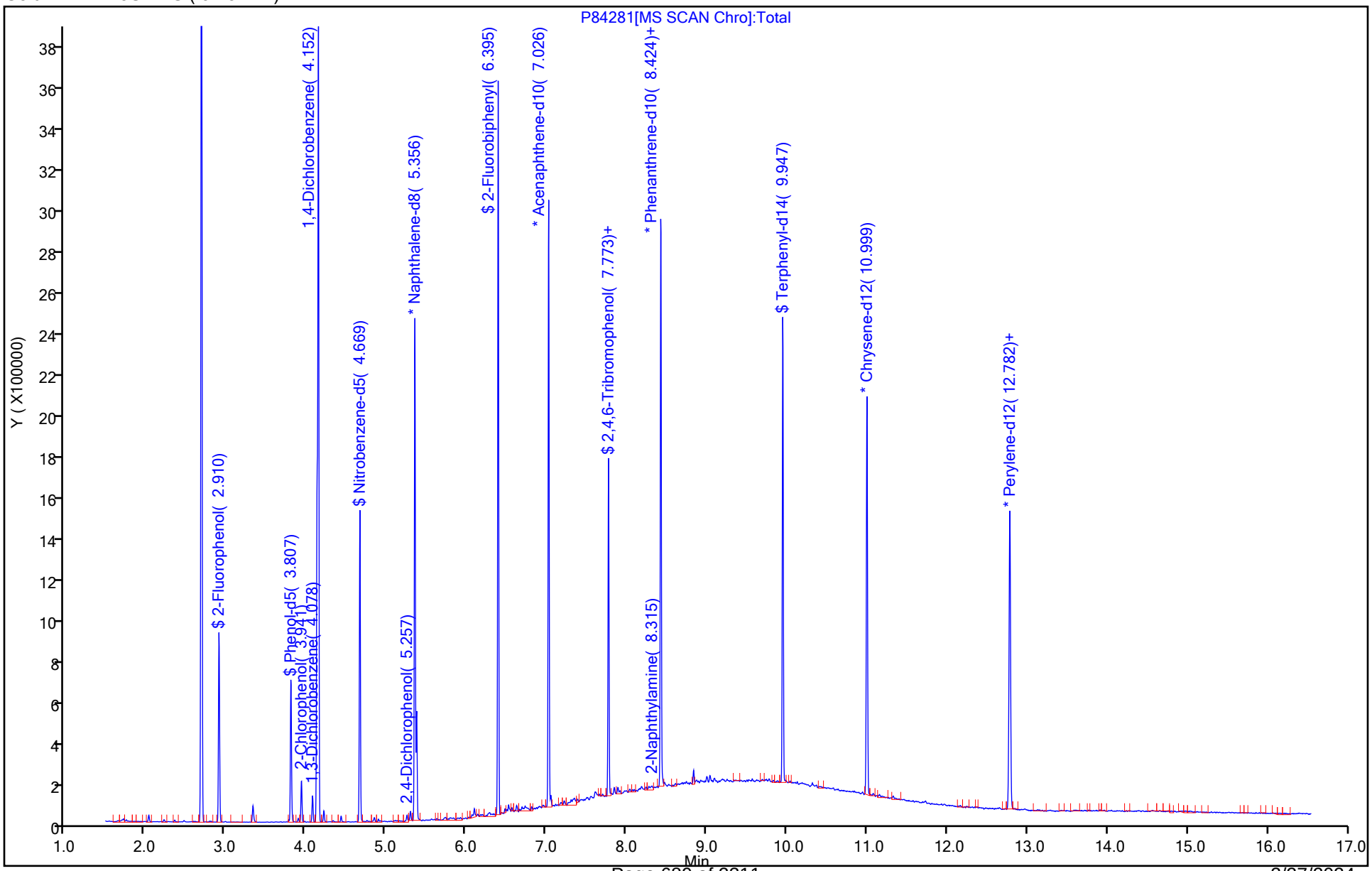
Report Date: 25-Mar-2024 08:31:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D

Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2	Worklist Smp#:	32
Client ID:	MW-16R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D
Lims ID: 460-300484-E-2-B
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 16:41:30 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-032
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:31:24 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	6.53	65.35
$ 6 Phenol-d5	10.0	4.87	48.65
$ 28 Nitrobenzene-d5	10.0	10.6	105.82
$ 53 2-Fluorobiphenyl	10.0	9.56	95.64
$ 79 2,4,6-Tribromophenol	10.0	10.7	106.91
$ 97 Terphenyl-d14	10.0	7.16	71.61

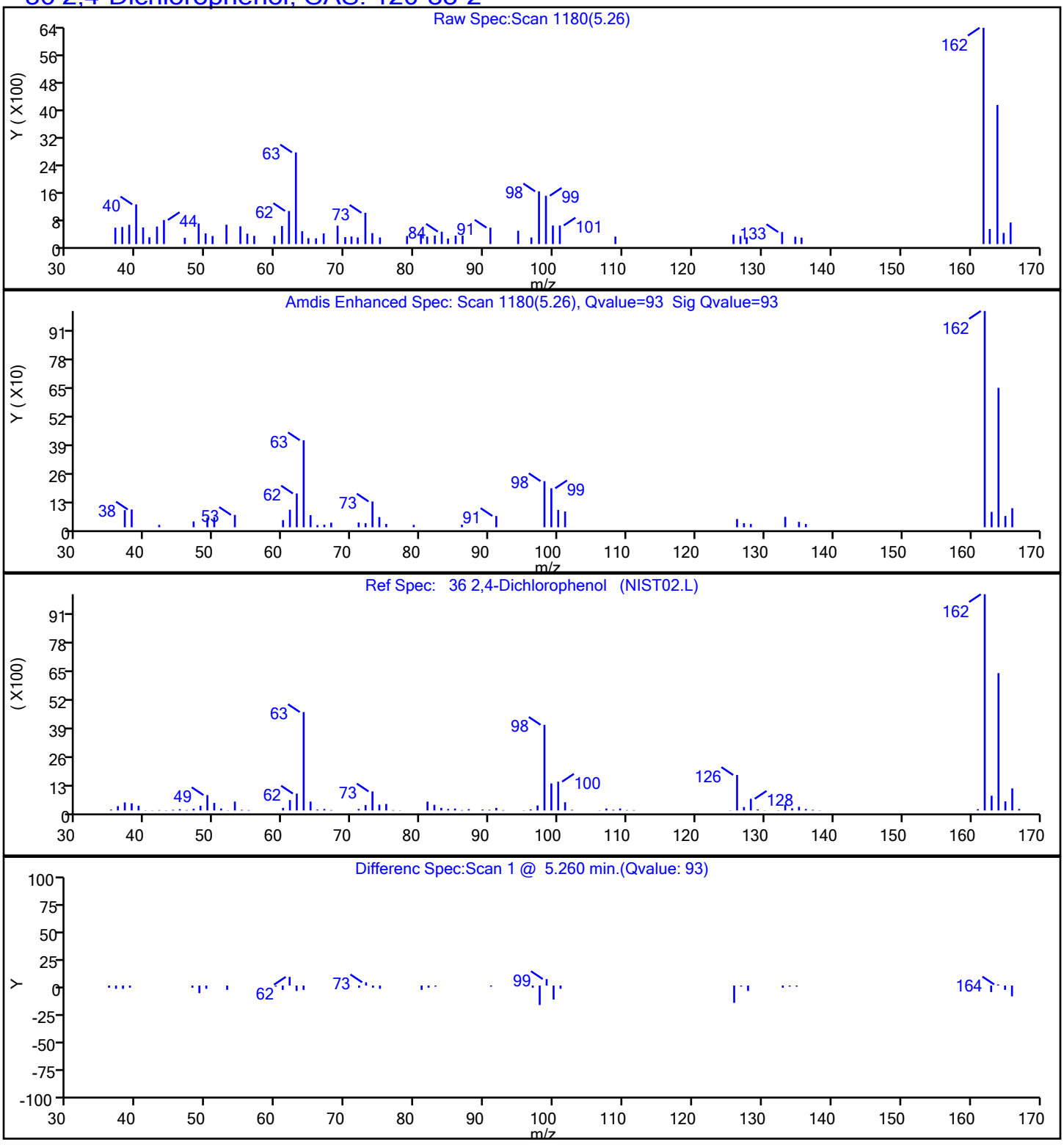
Report Date: 25-Mar-2024 08:31:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D

Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

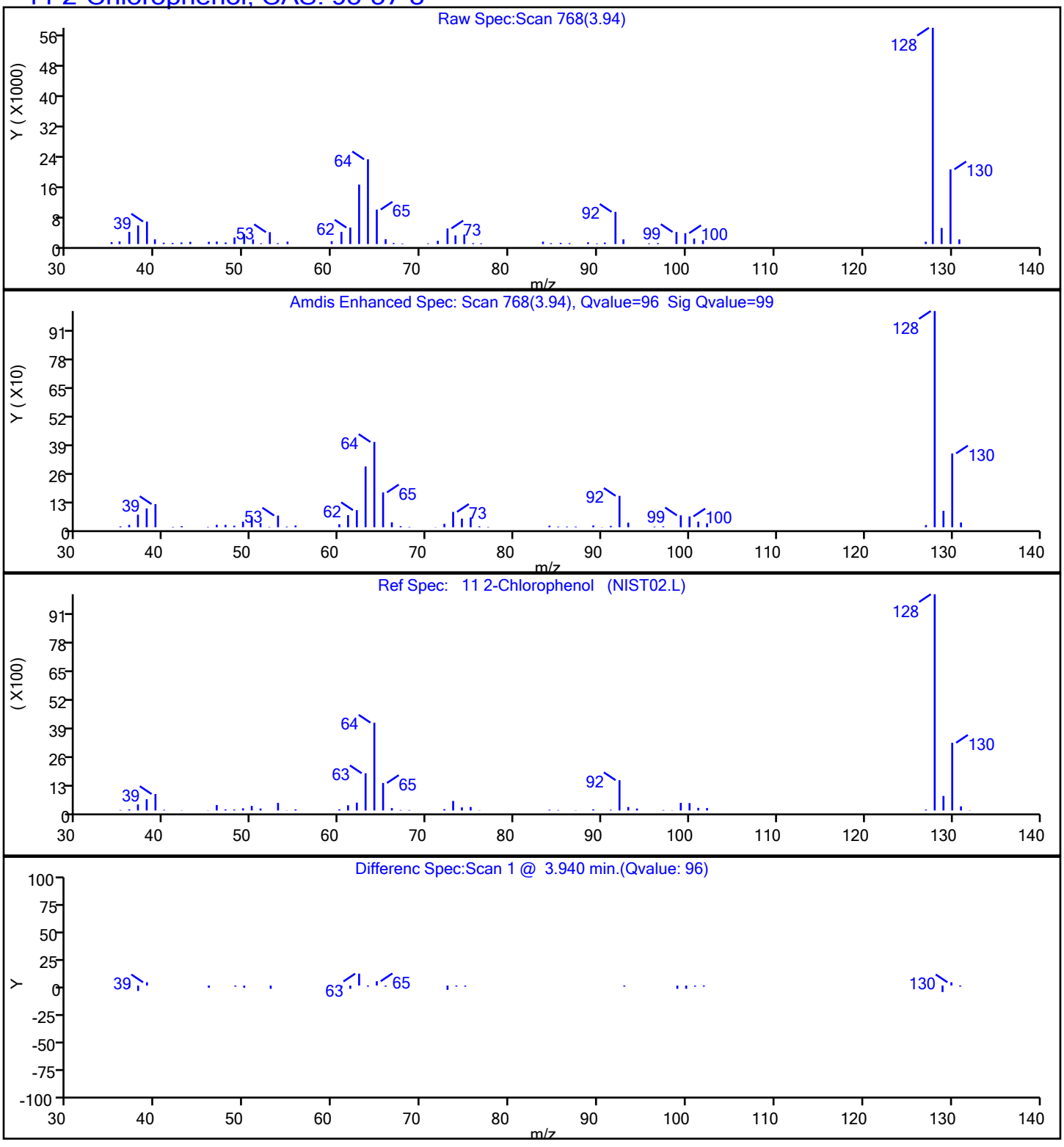
36 2,4-Dichlorophenol, CAS: 120-83-2



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

11 2-Chlorophenol, CAS: 95-57-8



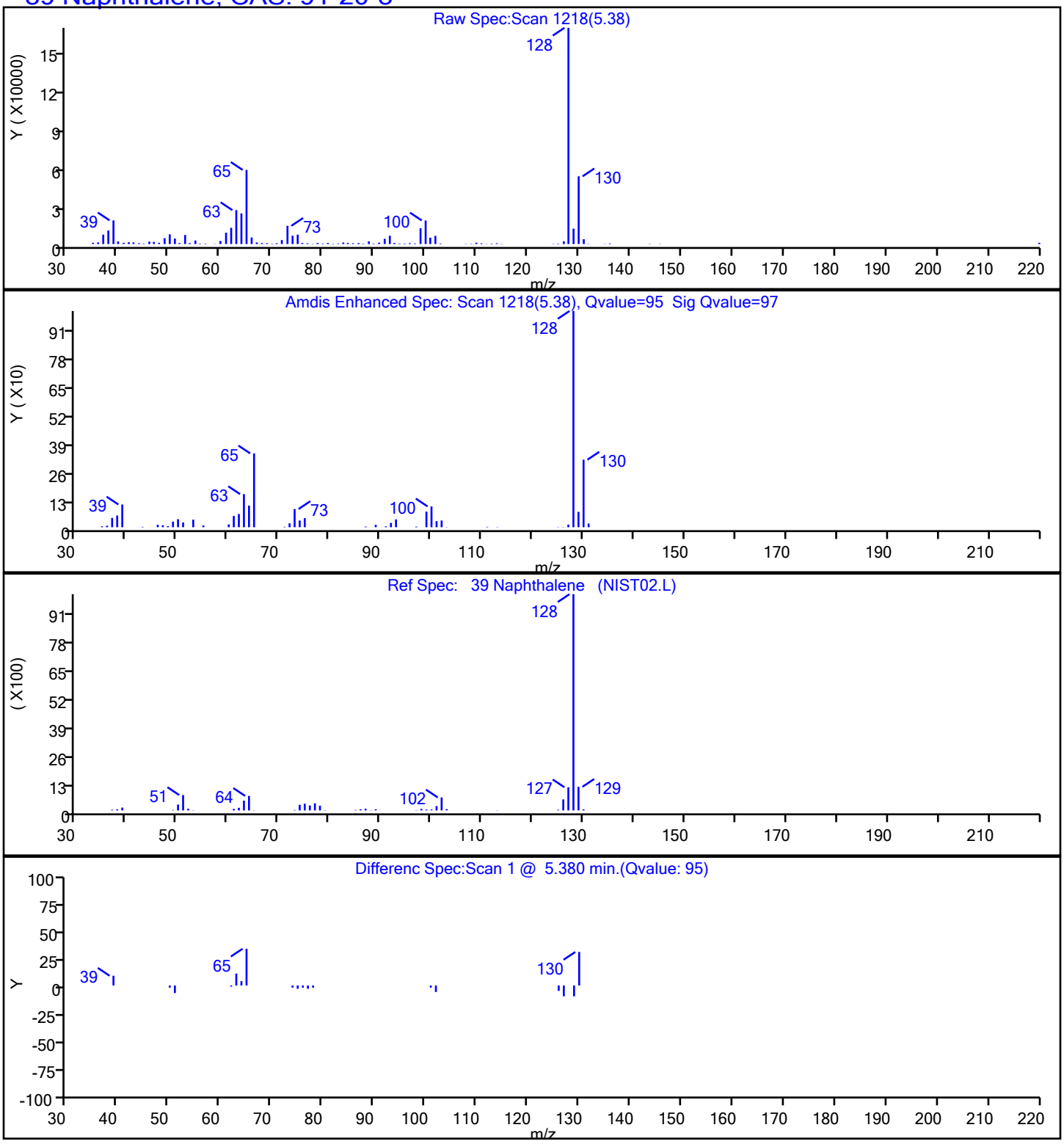
Report Date: 25-Mar-2024 08:31:25 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D

Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



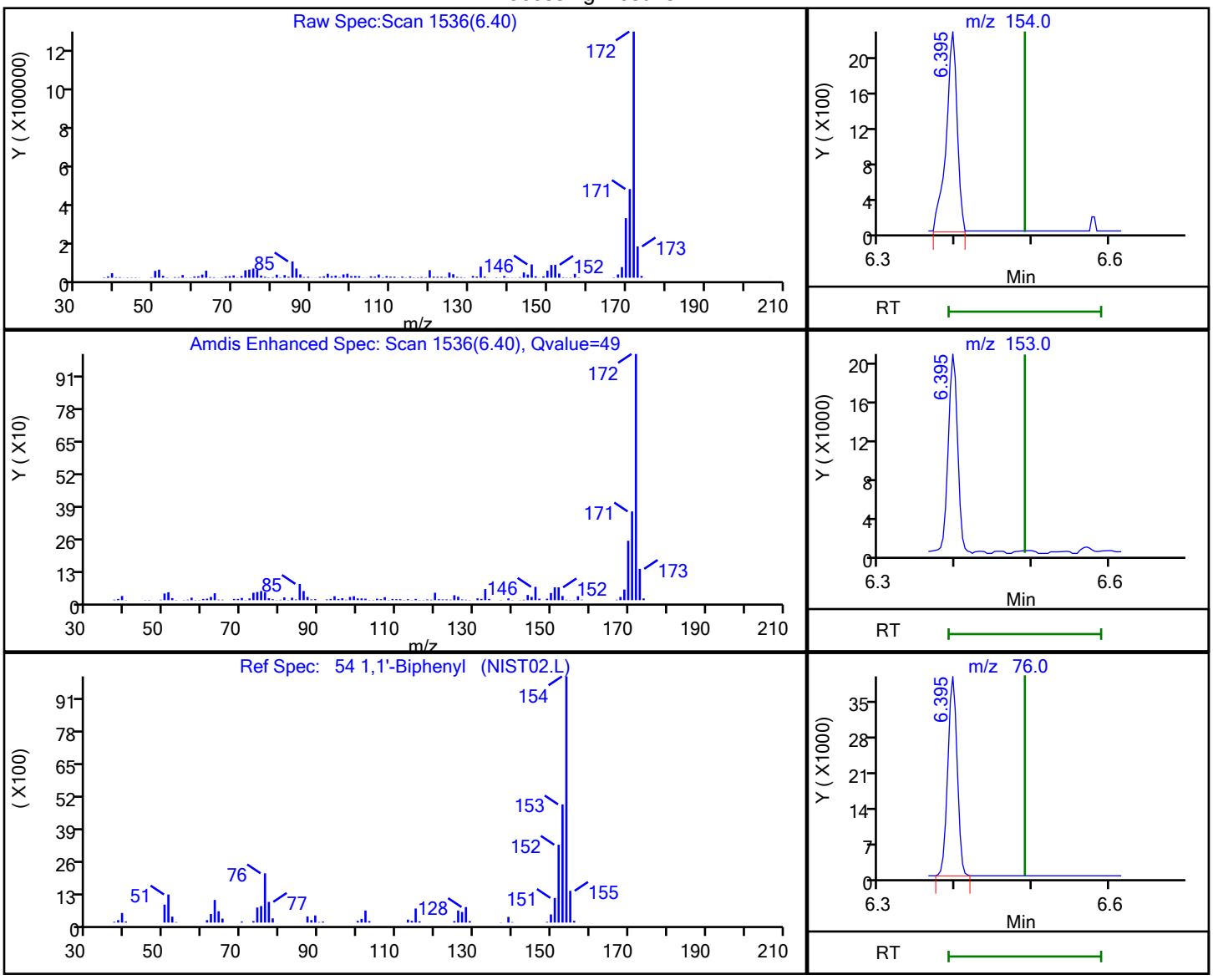
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	2228	0.017951
6.40	153.00	18207	
6.40	76.00	33754	

Reviewer: U6BX, 22-Mar-2024 18:07:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

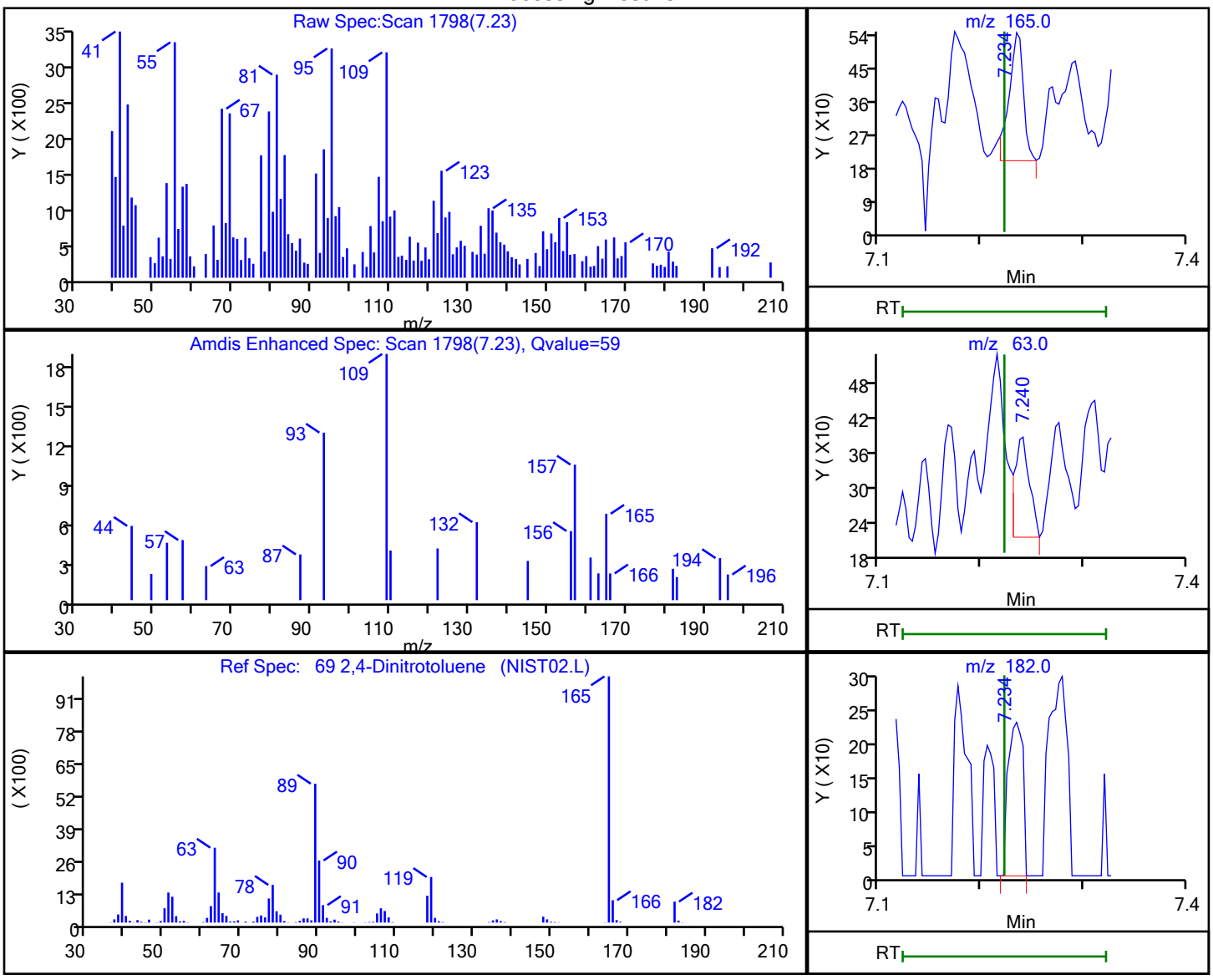
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.23	165.00	336	0.012593
7.24	63.00	171	
7.23	182.00	227	

Reviewer: U6BX, 22-Mar-2024 18:07:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

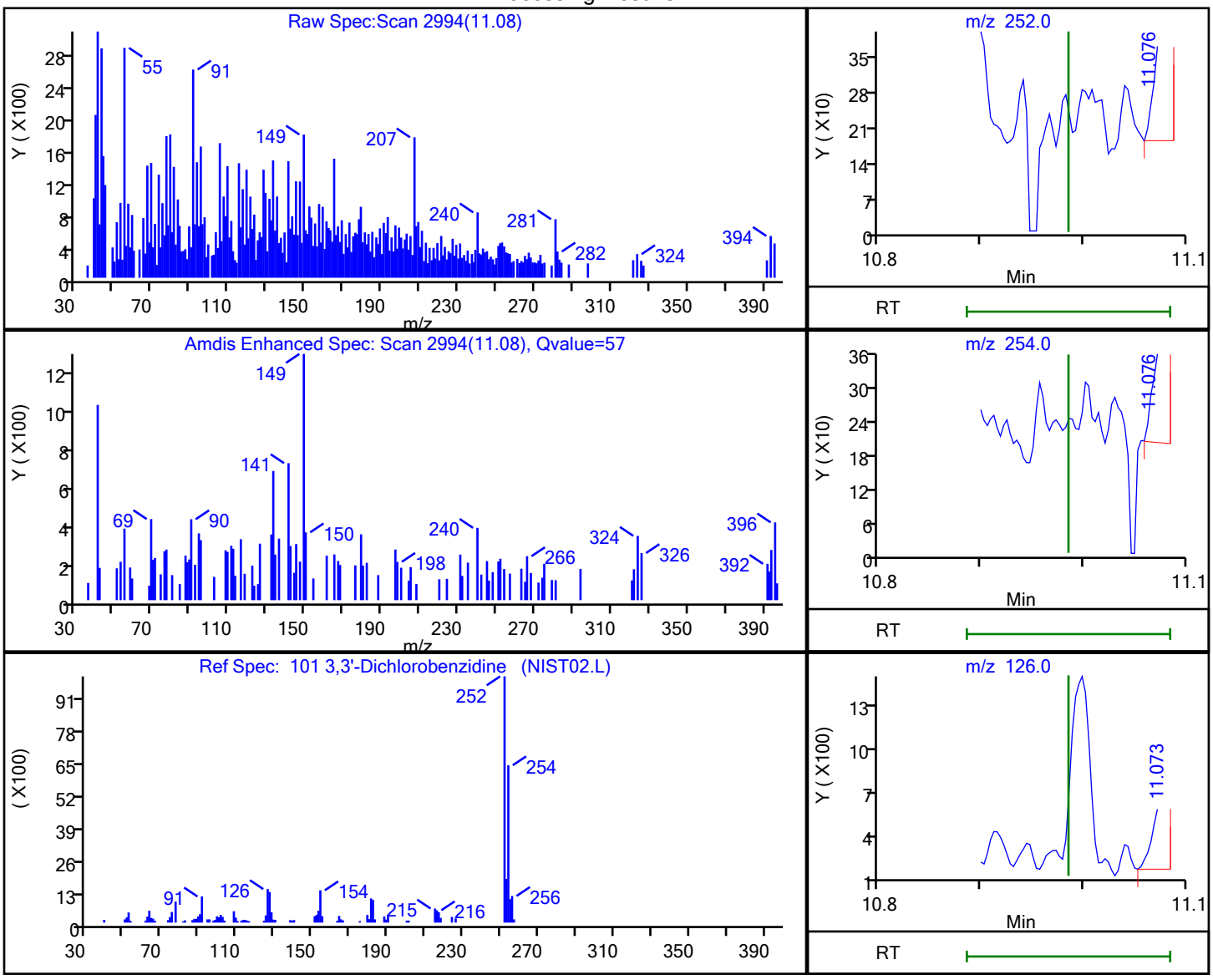
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
11.08	252.00	243	0.006058
11.08	254.00	150	
11.07	126.00	353	

Reviewer: U6BX, 22-Mar-2024 18:08:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

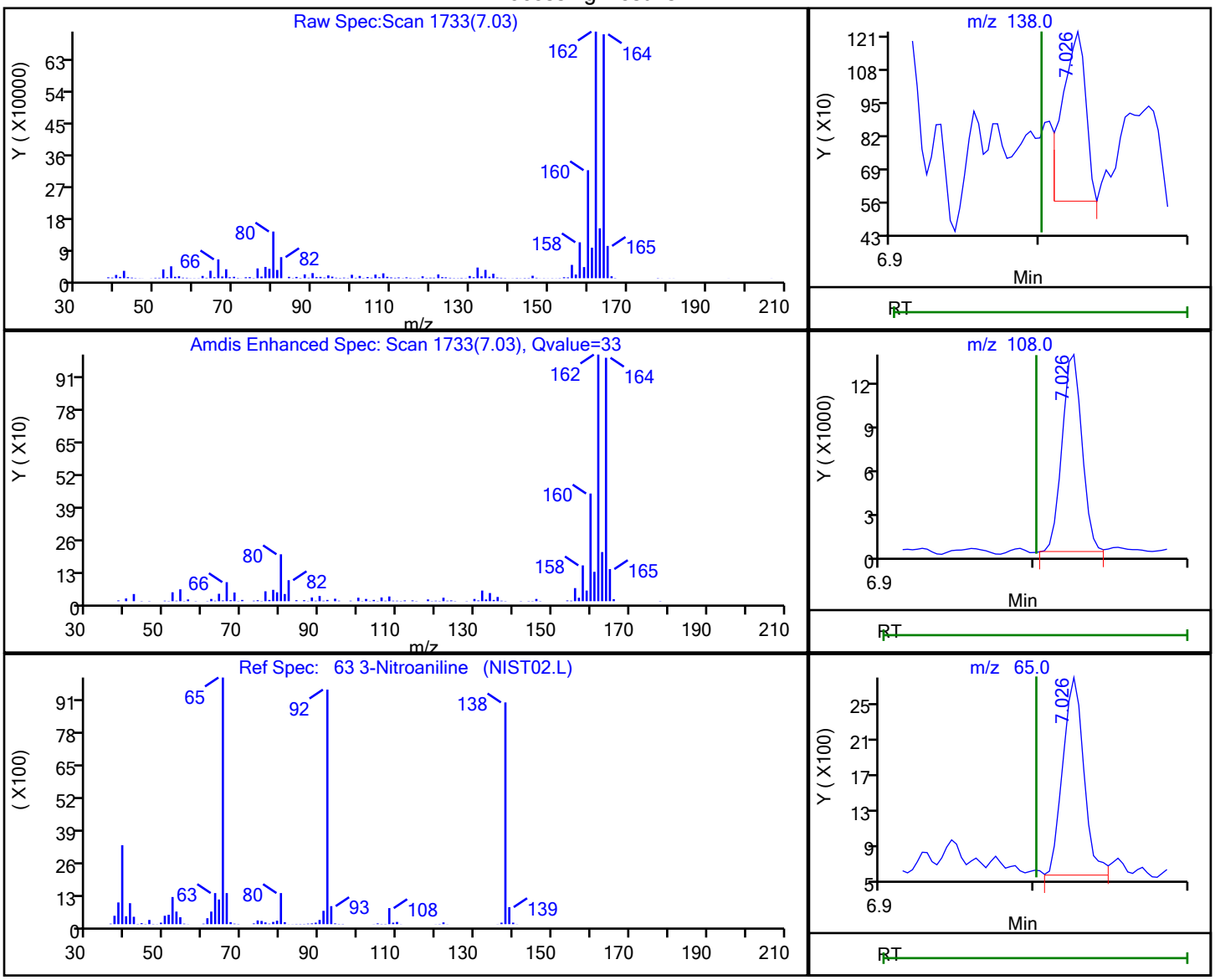
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.03	138.00	730	0.031092
7.03	108.00	11969	
7.03	65.00	2080	

Reviewer: U6BX, 22-Mar-2024 18:07:53 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

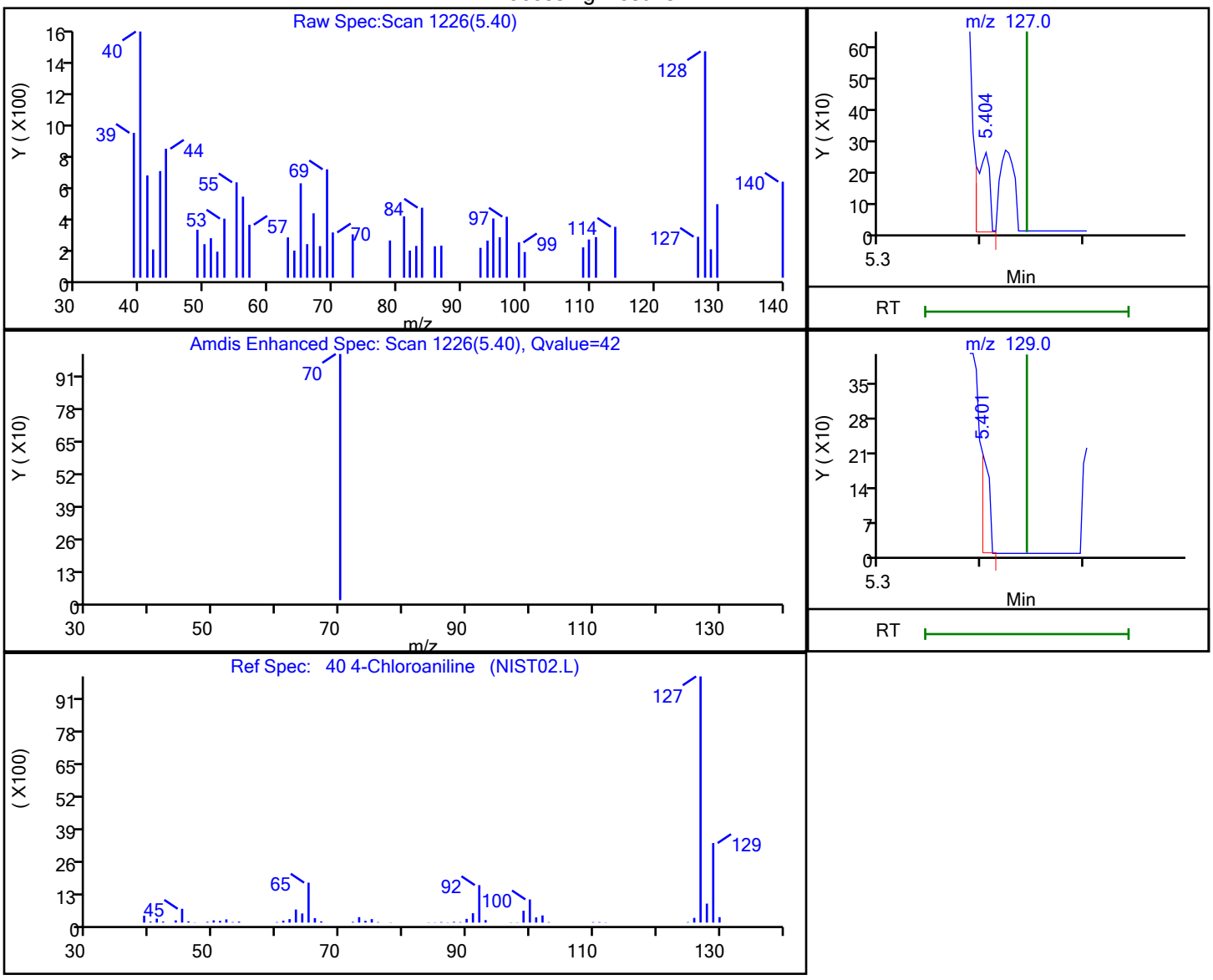
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
5.40	127.00	208	0.003893
5.40	129.00	102	

Reviewer: U6BX, 22-Mar-2024 18:07:49 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

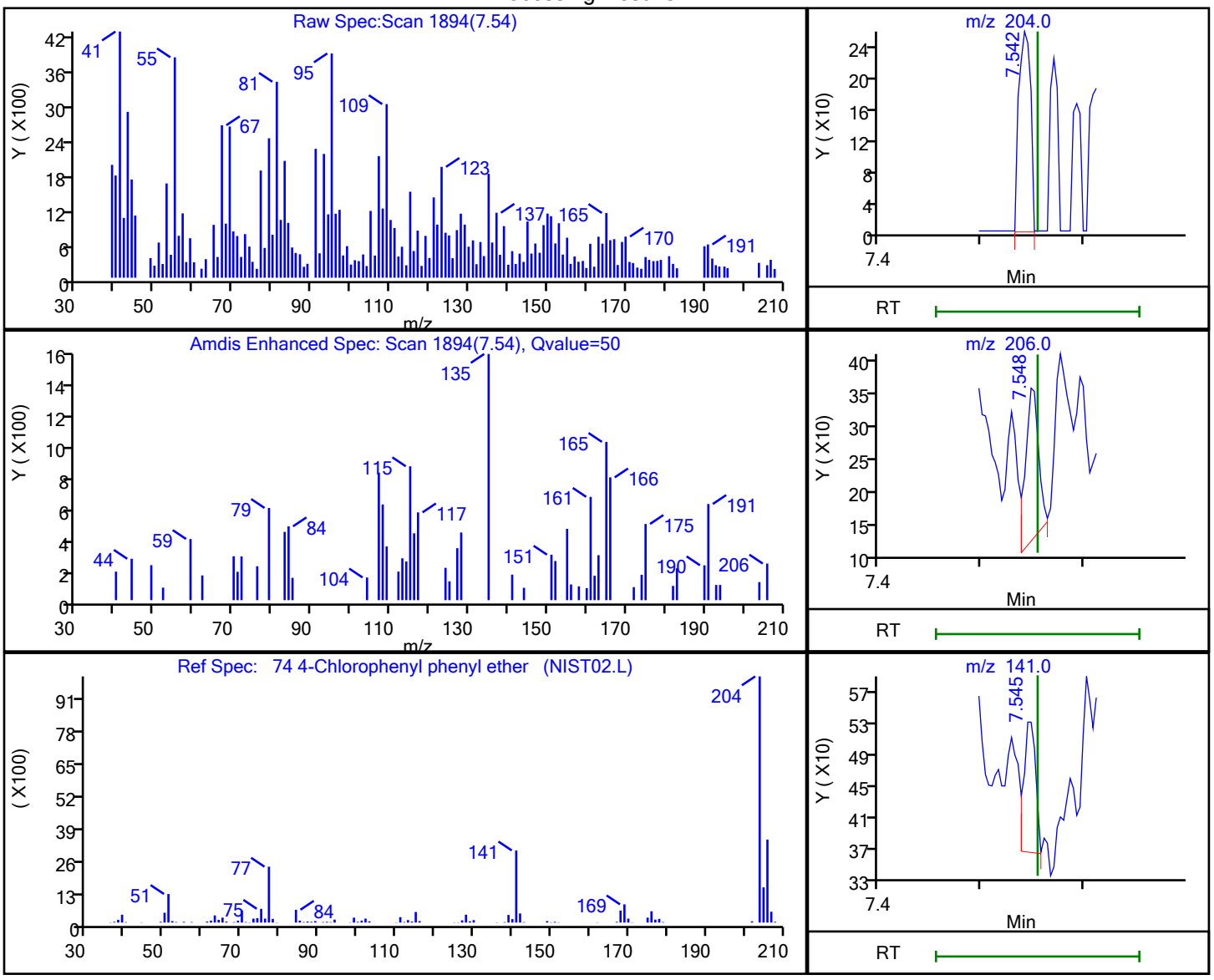
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.54	204.00	209	0.004046
7.55	206.00	213	
7.54	141.00	130	

Reviewer: U6BX, 22-Mar-2024 18:08:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

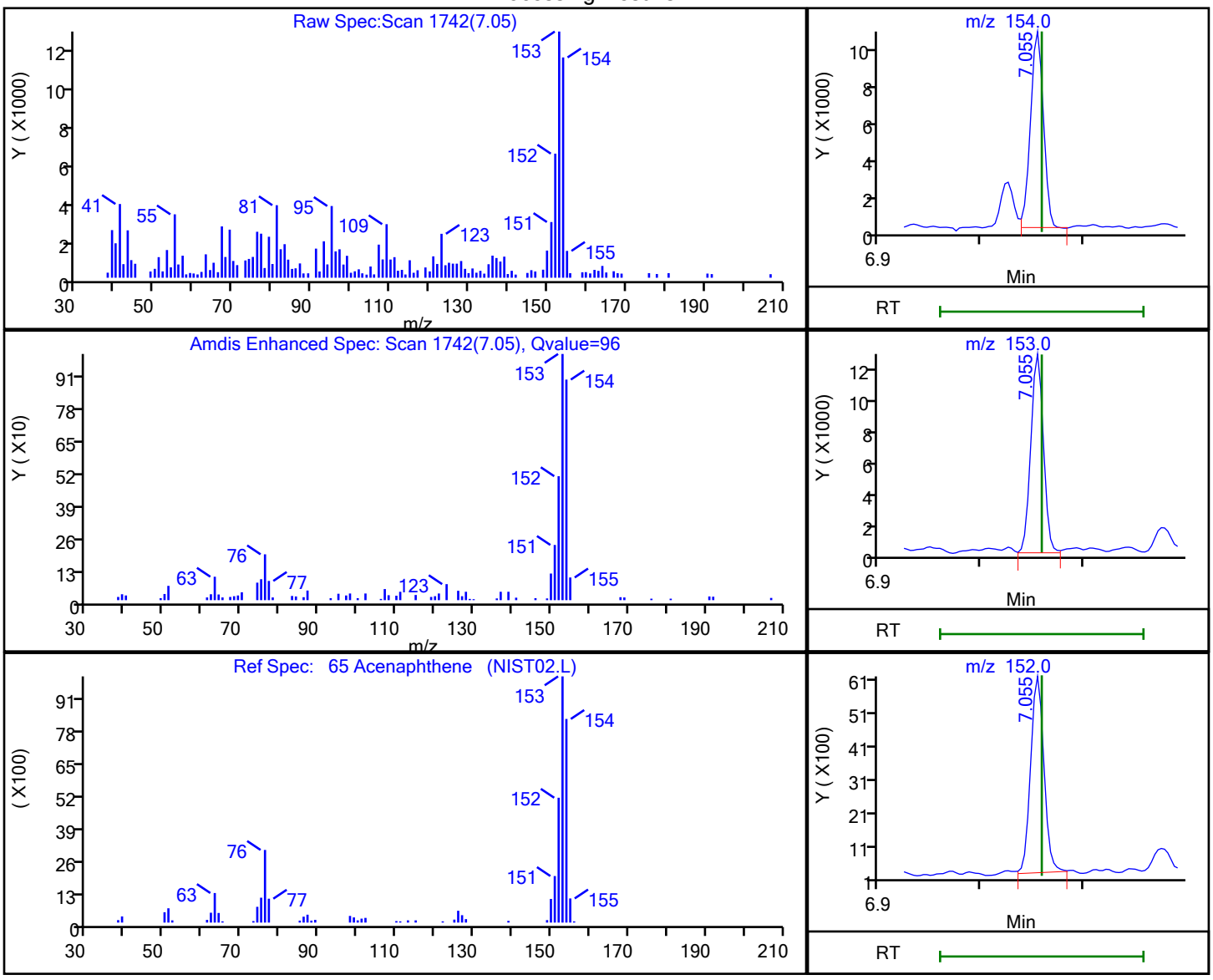
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.05	154.00	9585	0.107049
7.05	153.00	10206	
7.05	152.00	5366	

Reviewer: V5XH, 25-Mar-2024 08:31:01 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

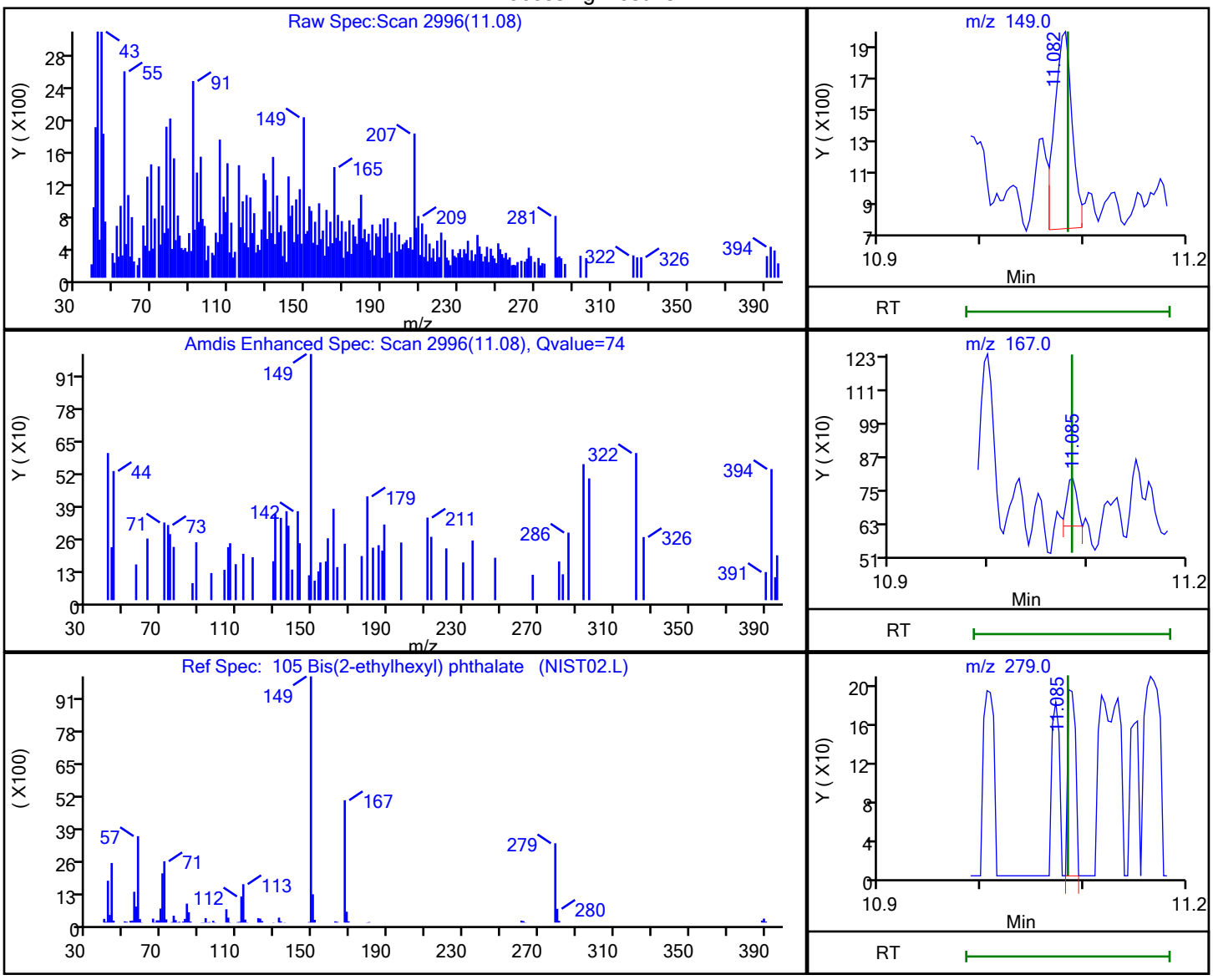
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Processing Results



RT	Mass	Response	Amount
11.08	149.00	1494	0.022504
11.09	167.00	126	
11.09	279.00	105	

Reviewer: U6BX, 22-Mar-2024 18:08:07 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

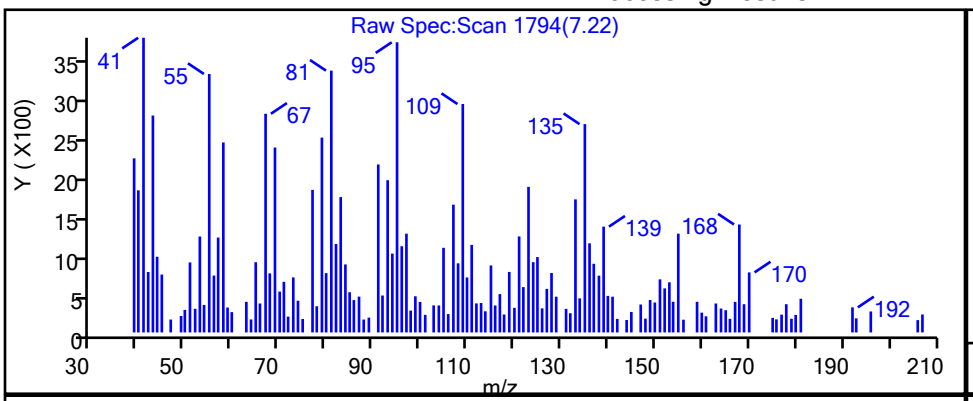
User Disabled Compound Report

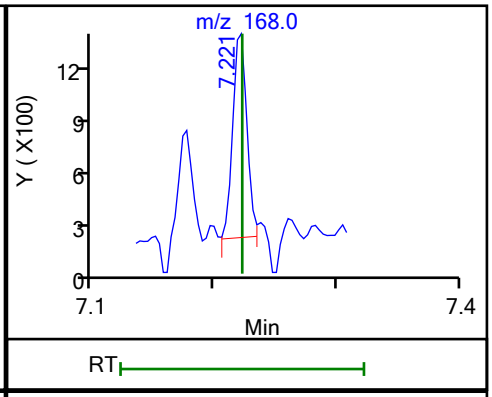
Eurofins Edison

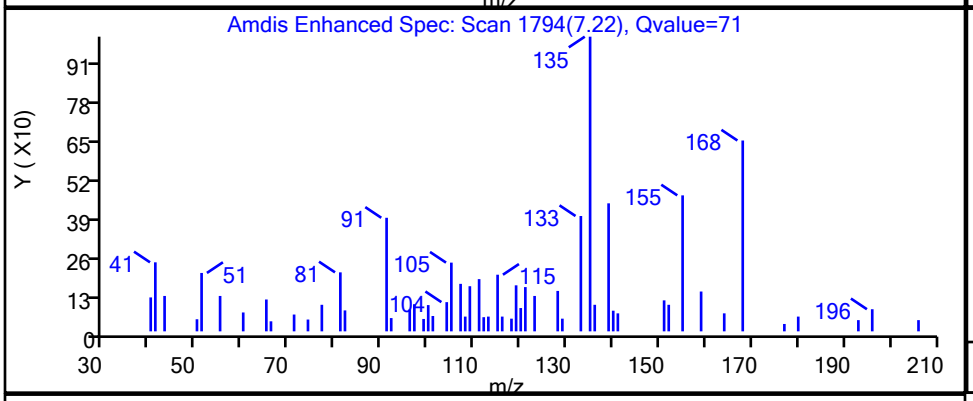
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

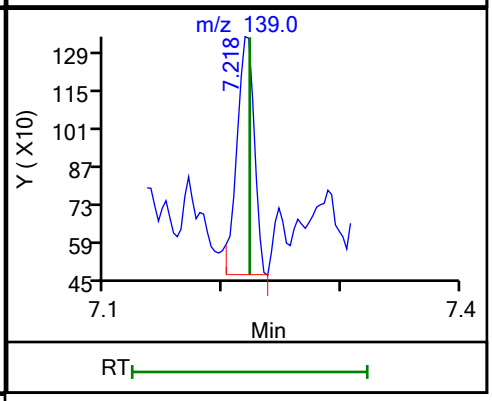
70 Dibenzofuran, CAS: 132-64-9

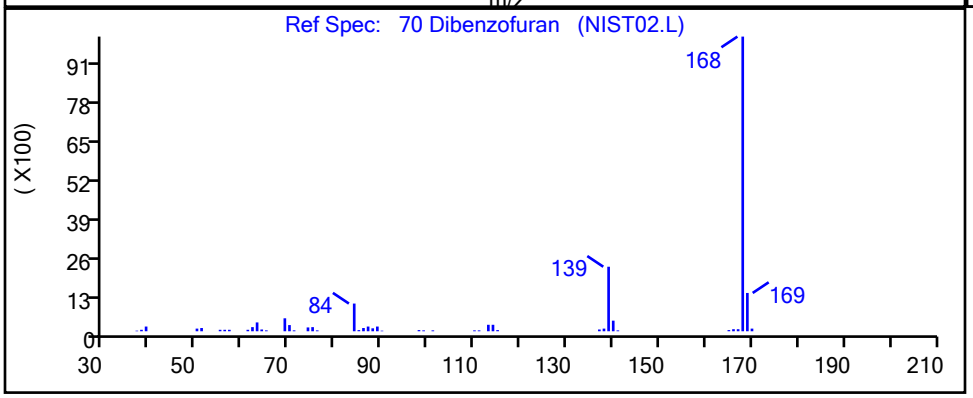
Processing Results











RT	Mass	Response	Amount
7.22	168.00	956	0.007129
7.22	139.00	917	

Reviewer: V5XH, 25-Mar-2024 08:31:05 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

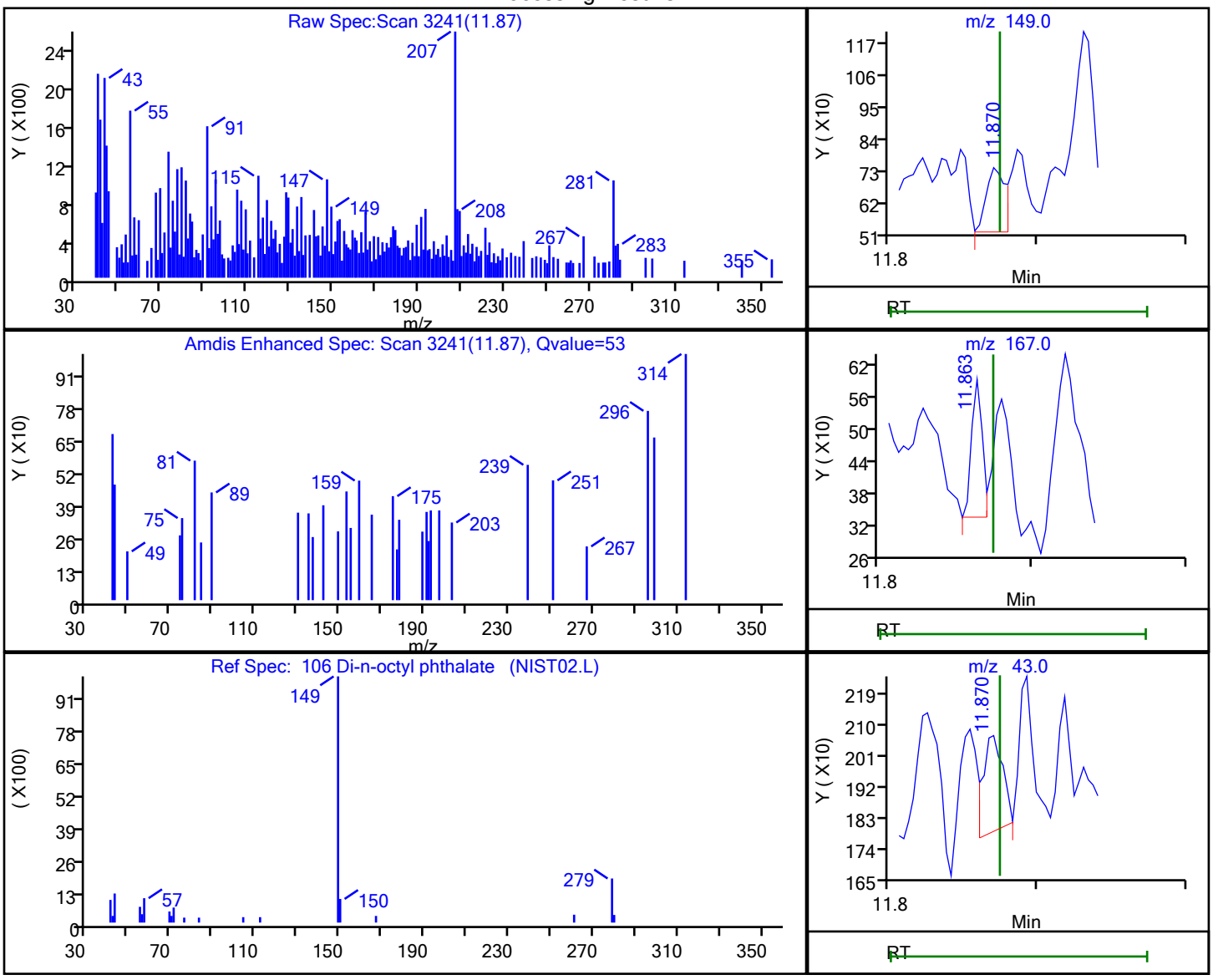
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.87	149.00	198	0.001766
11.86	167.00	130	
11.87	43.00	267	

Reviewer: U6BX, 22-Mar-2024 18:08:09 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

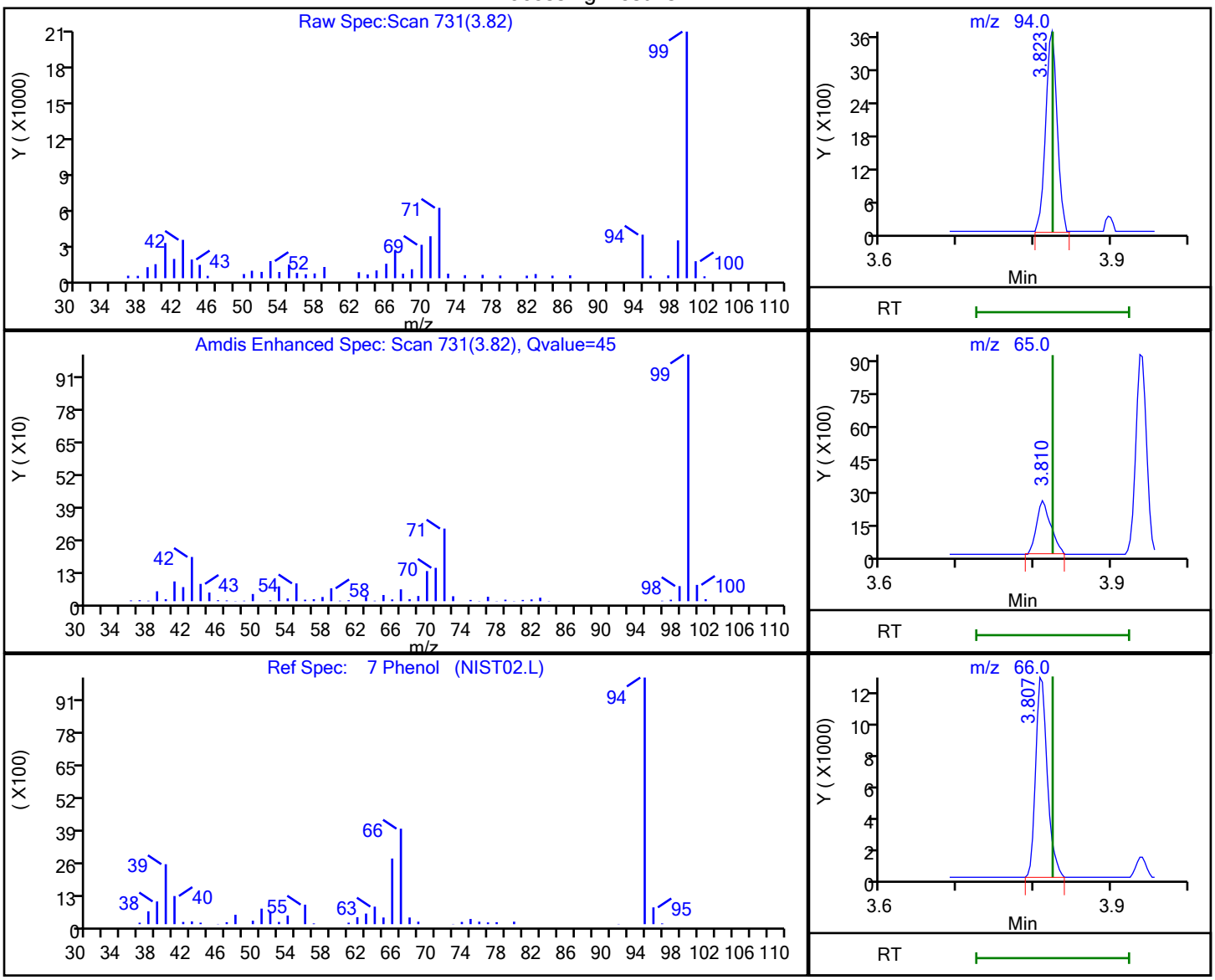
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84281.D				
Injection Date:	22-Mar-2024 16:41:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
3.82	94.00	3811	0.065161
3.81	65.00	3216	
3.81	66.00	13631	

Reviewer: U6BX, 22-Mar-2024 18:07:39 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: P84284.D

Analysis Method: 8270E | Date Collected: 03/18/2024 08:30

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: P84284.D

Analysis Method: 8270E | Date Collected: 03/18/2024 08:30

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: P84284.D

Analysis Method: 8270E | Date Collected: 03/18/2024 08:30

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	104		37-150
321-60-8	2-Fluorobiphenyl	96		46-139
367-12-4	2-Fluorophenol (Surr)	68		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	111		51-145
4165-62-2	Phenol-d5 (Surr)	51		10-56
1718-51-0	Terphenyl-d14 (Surr)	74		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D
Lims ID: 460-300484-E-3-A
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 17:45:30 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-035
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:34:40 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:44:20

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	284569	6.78	
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	252946	5.07	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	262918	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.670	-0.002	87	475016	11.1	
* 38 Naphthalene-d8	136	5.356	5.358	-0.002	99	1058949	8.00	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	-0.001	97	1055913	9.59	
* 64 Acenaphthene-d10	164	7.026	7.027	-0.001	95	596651	8.00	
$ 79 2,4,6-Tribromophenol	330	7.773	7.775	-0.002	93	194732	10.4	
* 88 Phenanthrene-d10	188	8.425	8.428	-0.003	98	1050775	8.00	
$ 97 Terphenyl-d14	244	9.948	9.951	-0.001	97	780539	7.39	
* 103 Chrysene-d12	240	11.000	11.001	-0.001	99	693795	8.00	
* 110 Perylene-d12	264	12.781	12.782	-0.001	99	682565	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

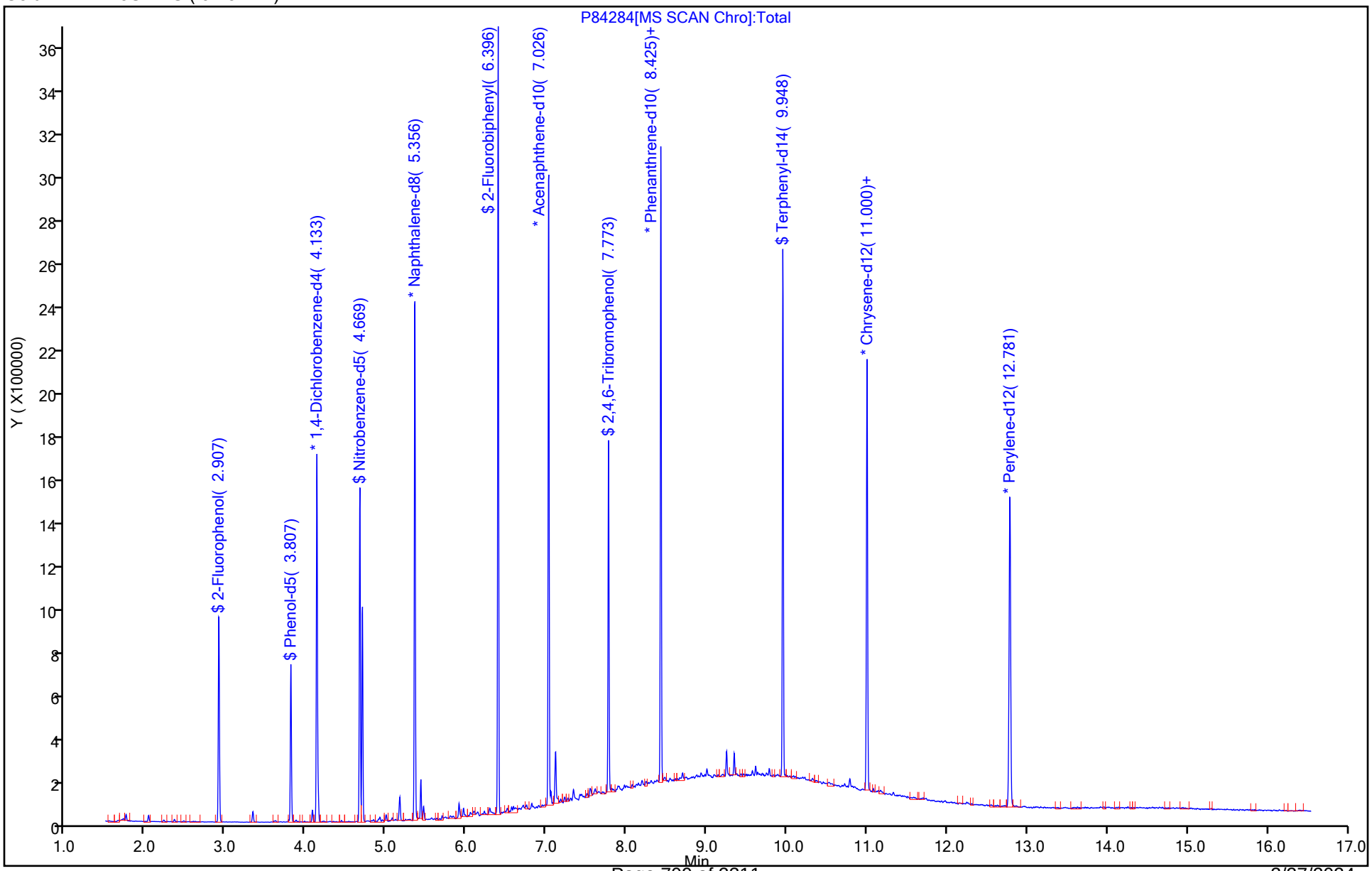
Report Date: 25-Mar-2024 08:34:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D

Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3	Worklist Smp#:	35
Client ID:	MW-17R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D
Lims ID: 460-300484-E-3-A
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 17:45:30 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-035
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:34:40 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:44:20

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	6.78	67.79
$ 6 Phenol-d5	10.0	5.07	50.73
$ 28 Nitrobenzene-d5	10.0	11.1	110.75
$ 53 2-Fluorobiphenyl	10.0	9.59	95.89
$ 79 2,4,6-Tribromophenol	10.0	10.4	103.71
$ 97 Terphenyl-d14	10.0	7.39	73.88

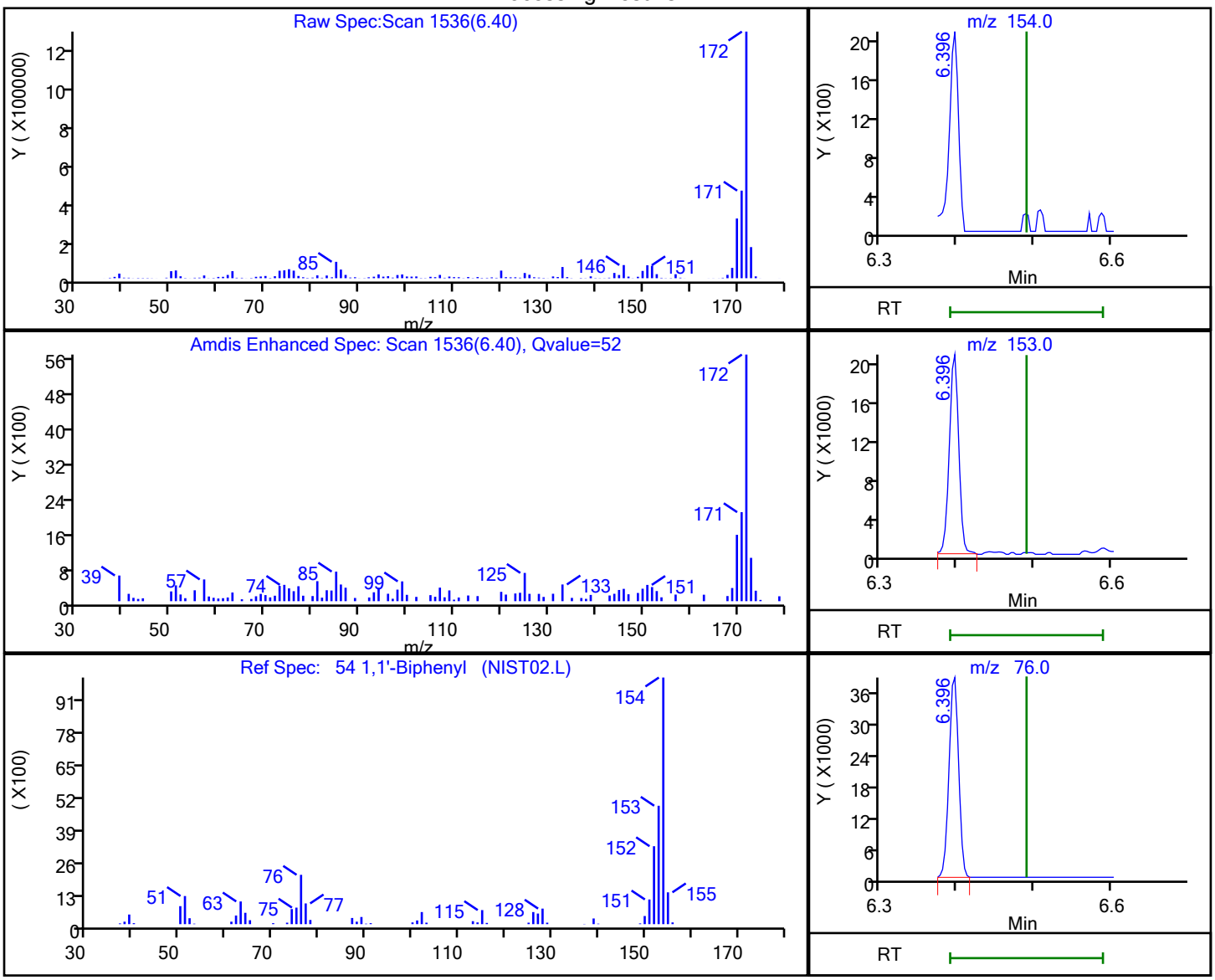
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	1739	0.014092
6.40	153.00	17718	
6.40	76.00	33684	

Reviewer: U6BX, 22-Mar-2024 18:09:25 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

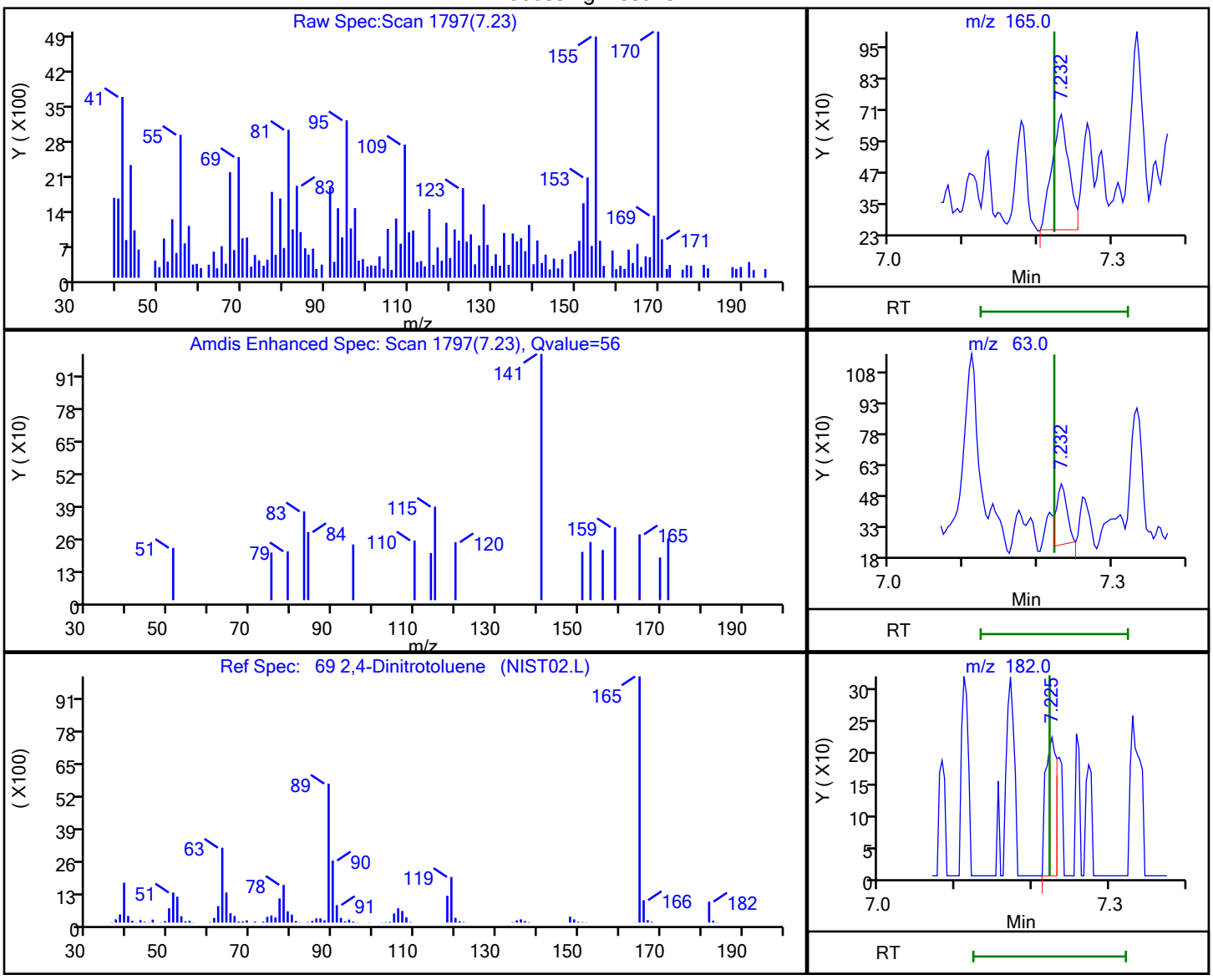
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
7.23	165.00	728	0.027442
7.23	63.00	295	
7.23	182.00	223	

Reviewer: U6BX, 22-Mar-2024 18:09:30 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

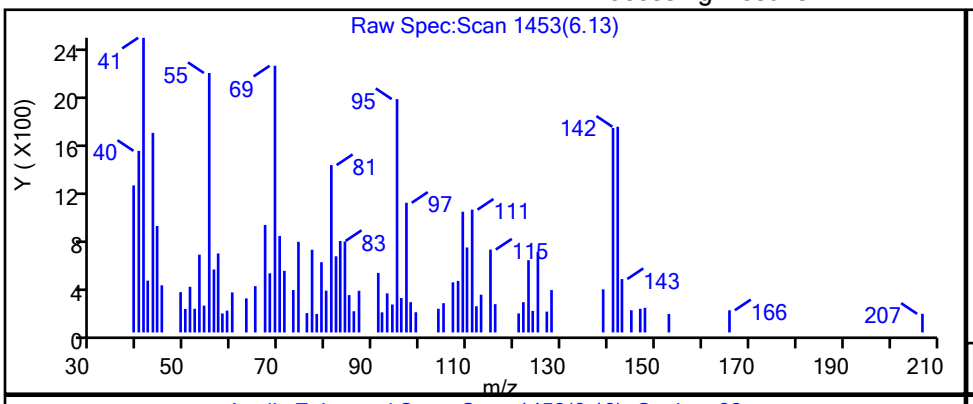
User Disabled Compound Report

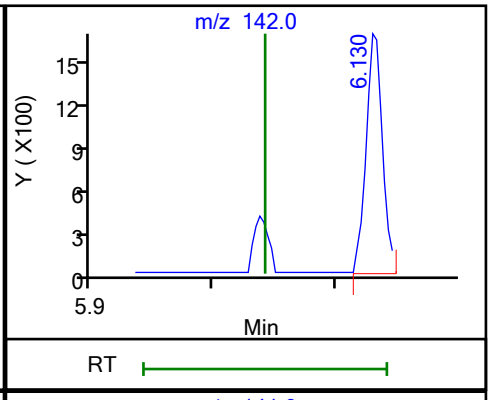
Eurofins Edison

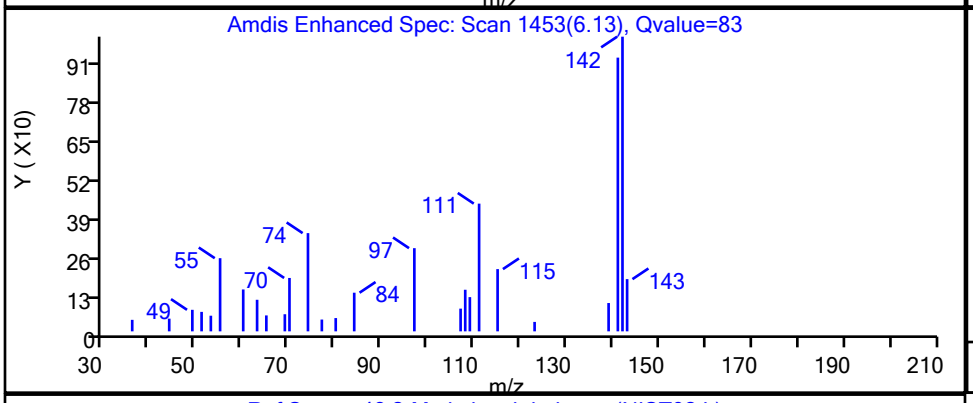
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

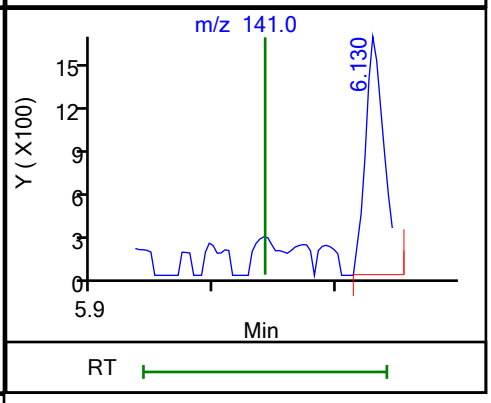
46 2-Methylnaphthalene, CAS: 91-57-6

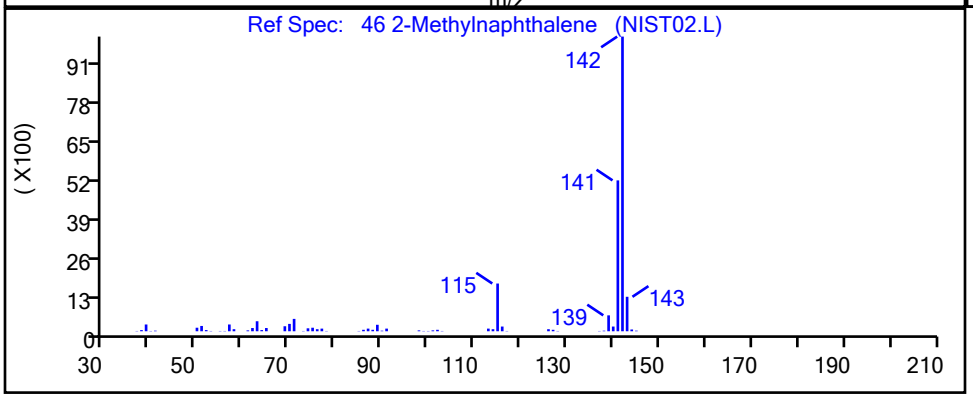
Processing Results











RT	Mass	Response	Amount
6.13	142.00	1555	0.016674
6.13	141.00	1790	

Reviewer: U6BX, 22-Mar-2024 18:09:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

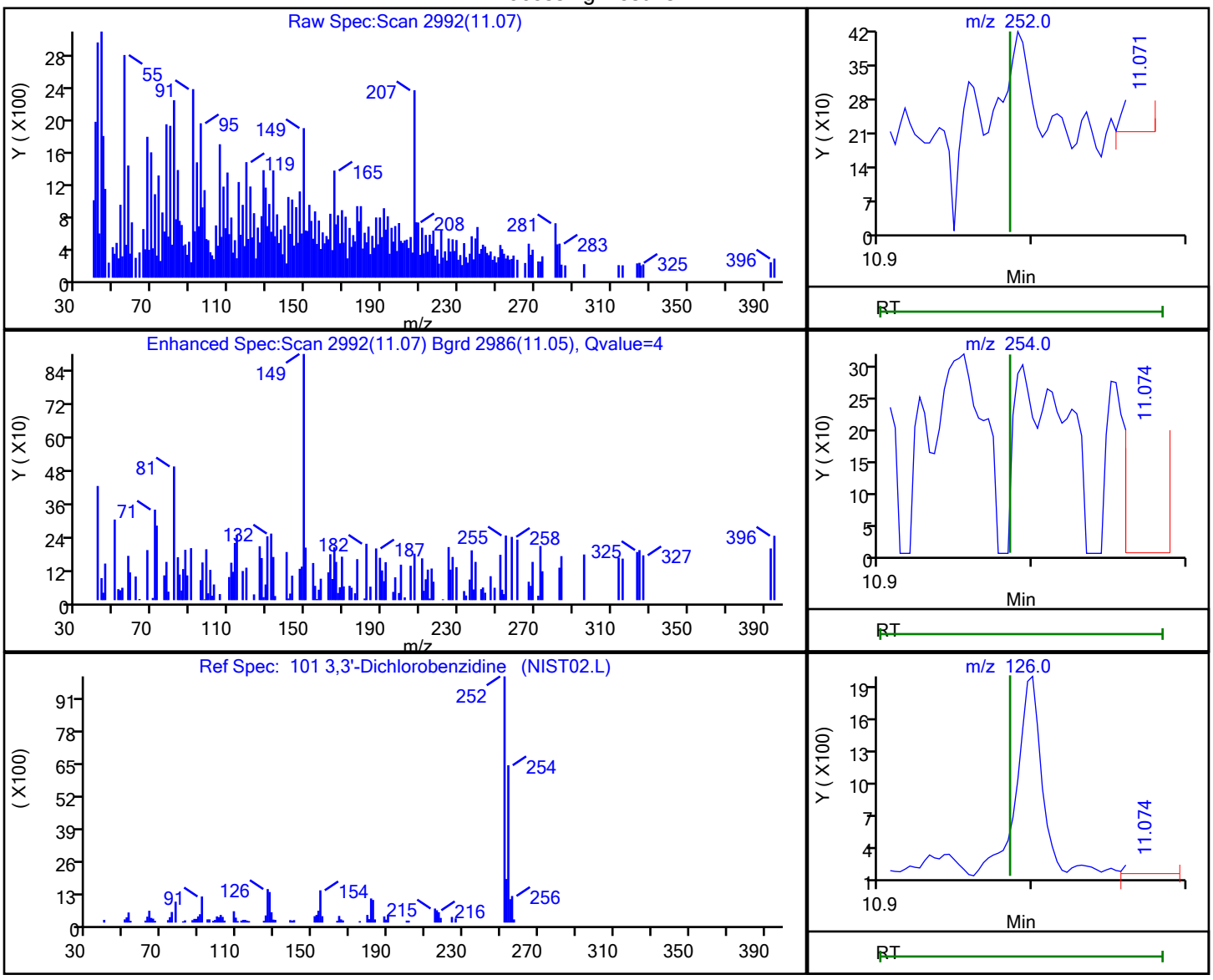
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
11.07	252.00	158	0.003921
11.07	254.00	420	
11.07	126.00	339	

Reviewer: U6BX, 22-Mar-2024 18:09:37 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

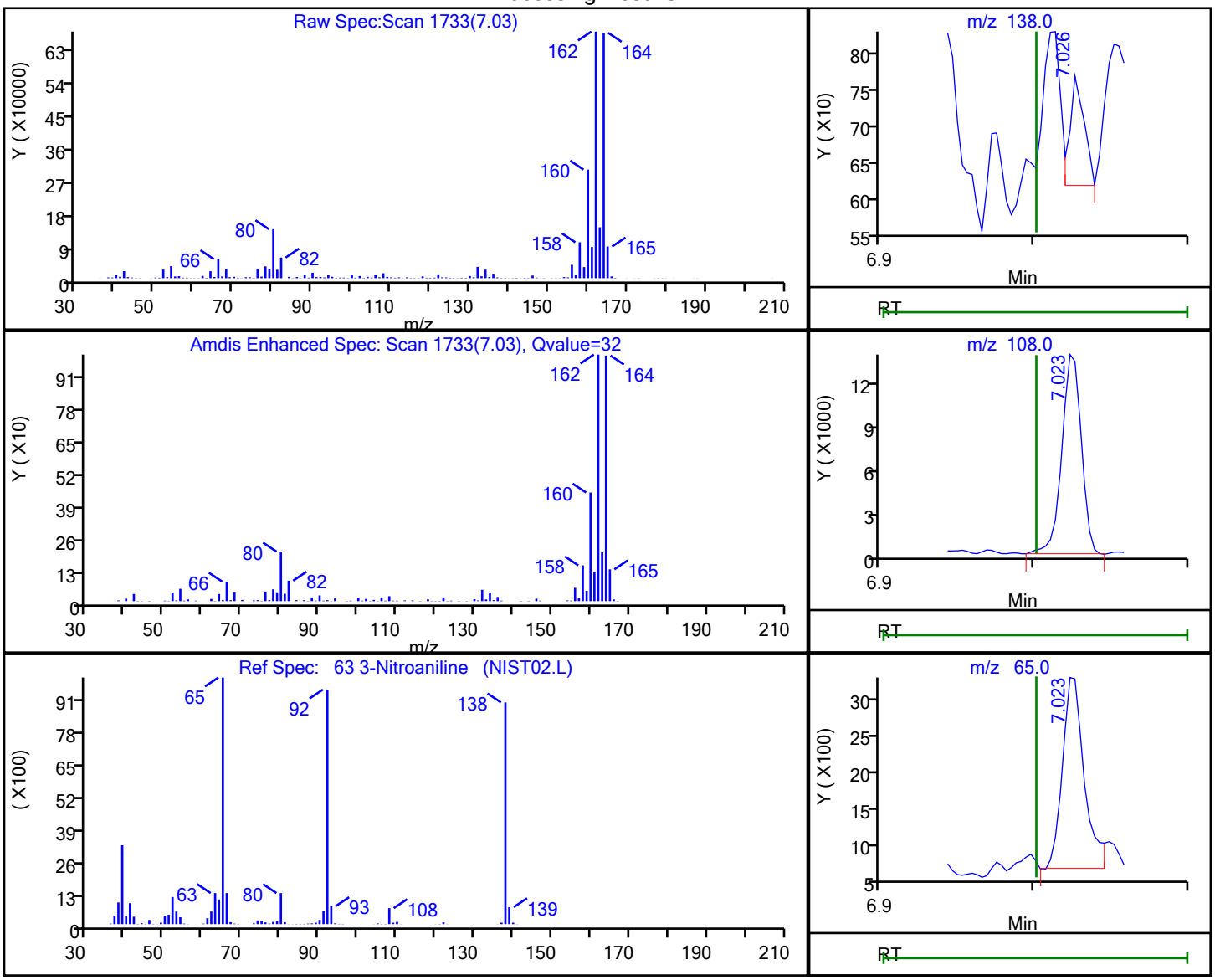
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.03	138.00	97	0.004155
7.02	108.00	12082	
7.02	65.00	2677	

Reviewer: U6BX, 22-Mar-2024 18:09:27 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

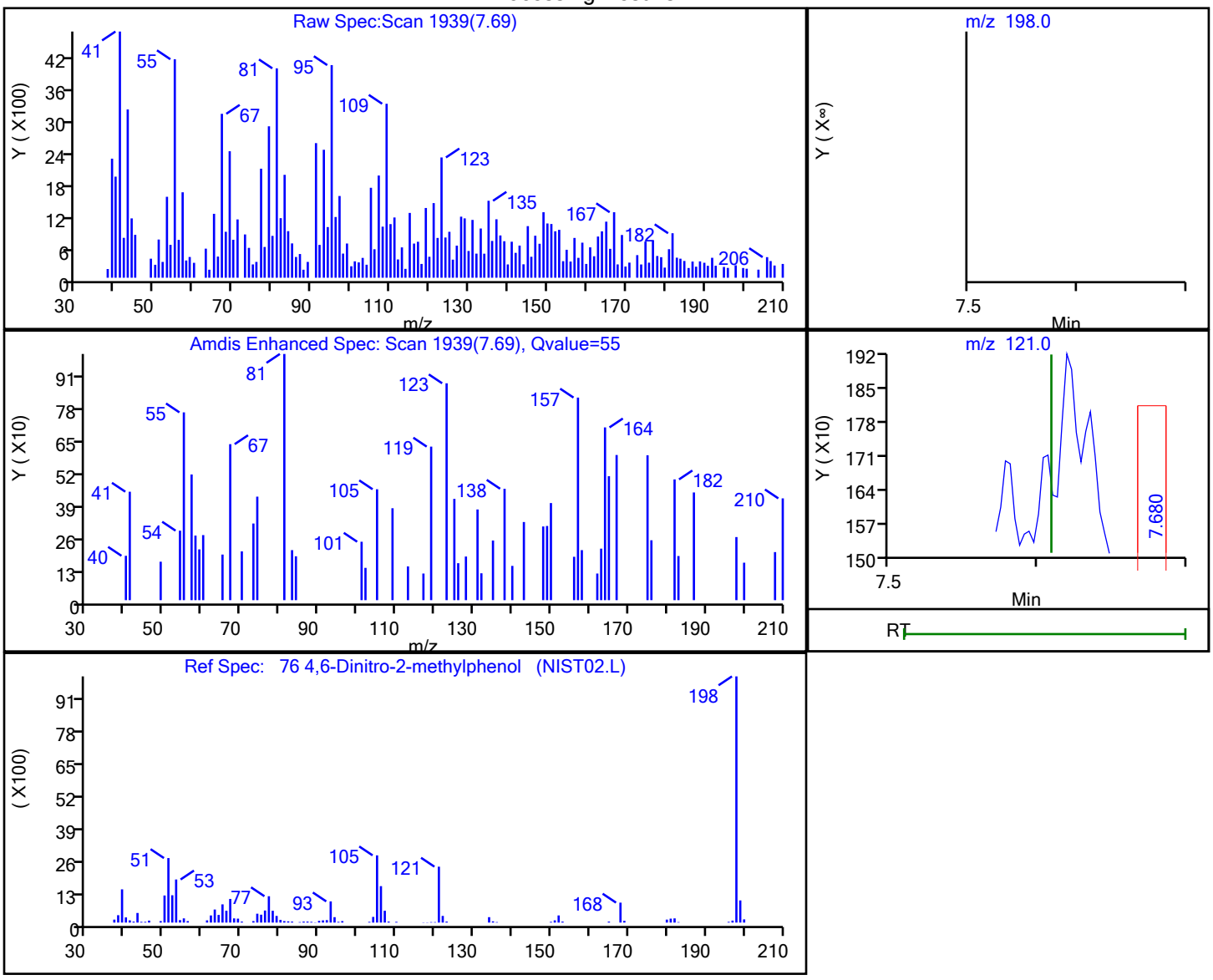
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

76 4,6-Dinitro-2-methylphenol, CAS: 534-52-1

Processing Results



RT	Mass	Response	Amount
7.69	198.00	121	0.006961
7.68	121.00	294	

Reviewer: U6BX, 22-Mar-2024 18:09:36 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

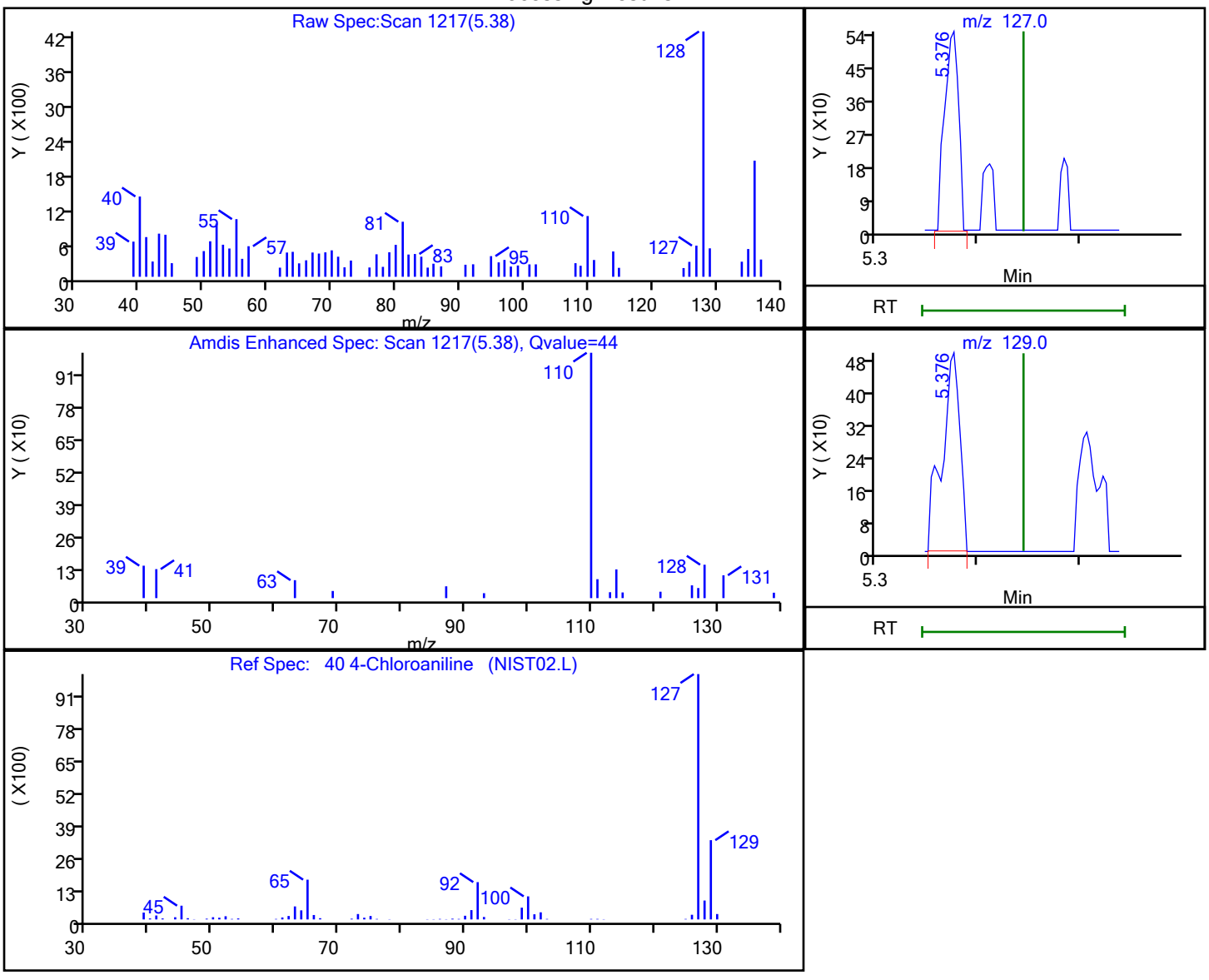
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
5.38	127.00	517	0.009839
5.38	129.00	609	

Reviewer: U6BX, 22-Mar-2024 18:09:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

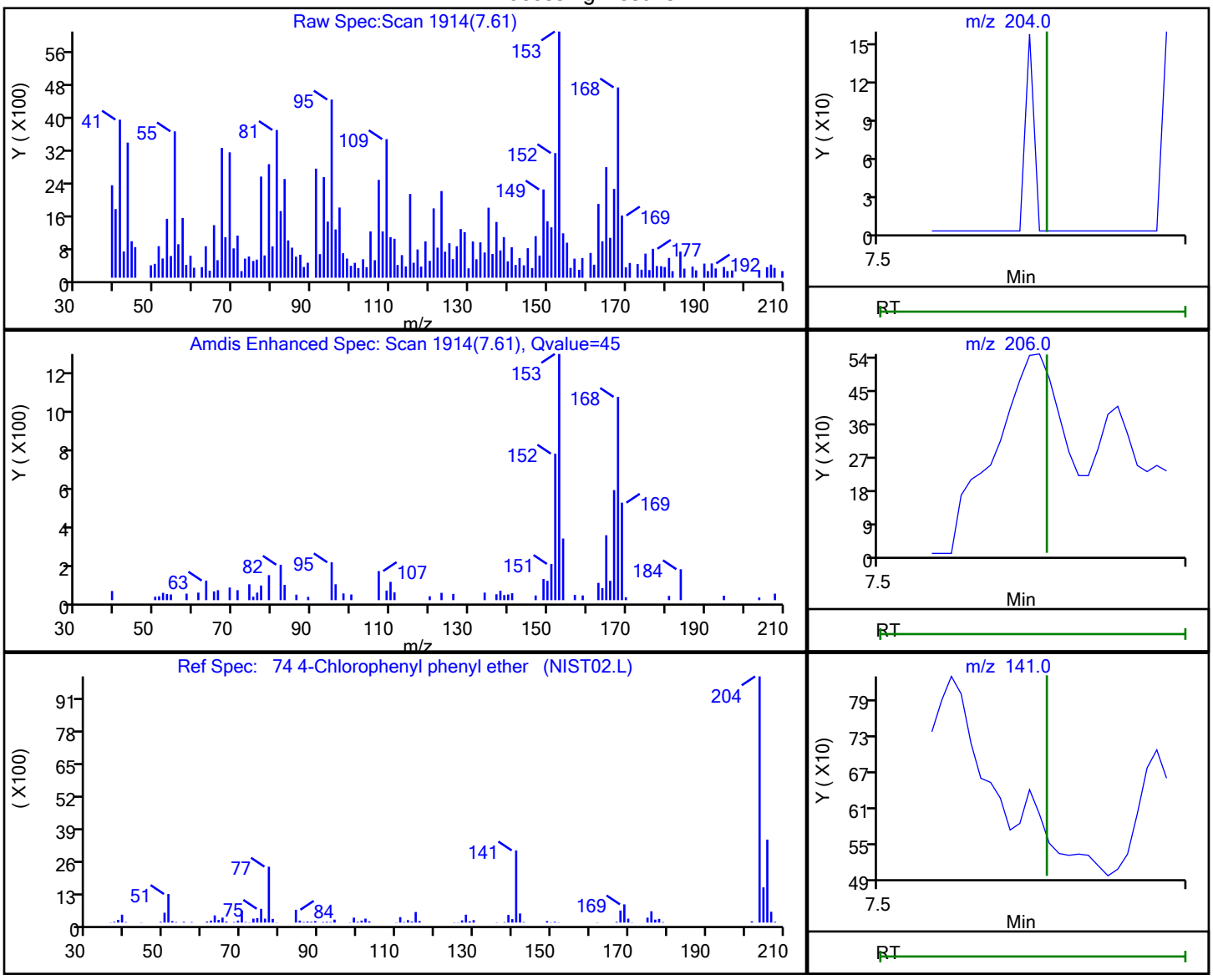
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.61	204.00	130	0.002531
7.61	206.00	134	
7.60	141.00	89	

Reviewer: U6BX, 22-Mar-2024 18:09:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

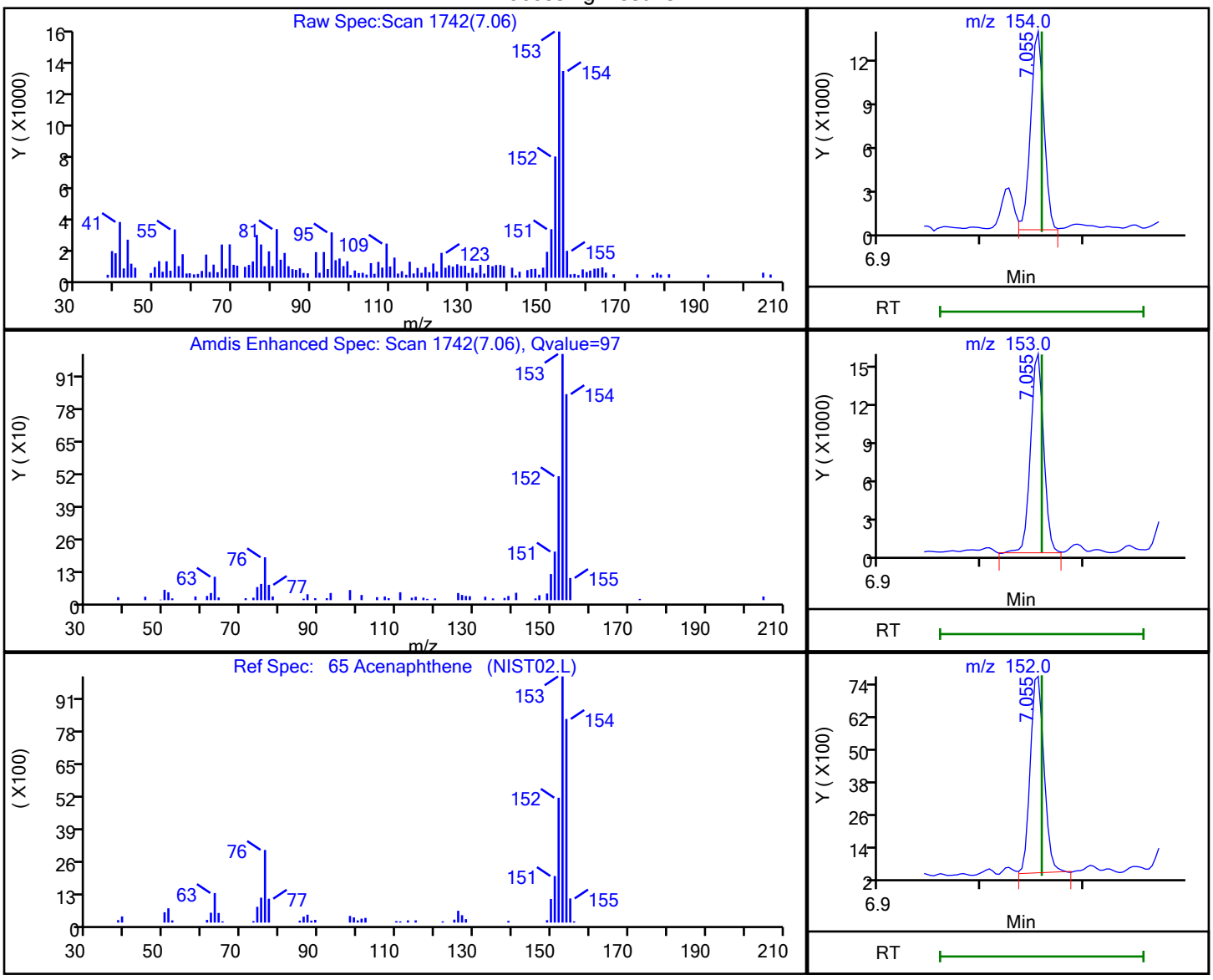
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.06	154.00	11666	0.131040
7.06	153.00	13855	
7.06	152.00	6955	

Reviewer: V5XH, 25-Mar-2024 08:34:22 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

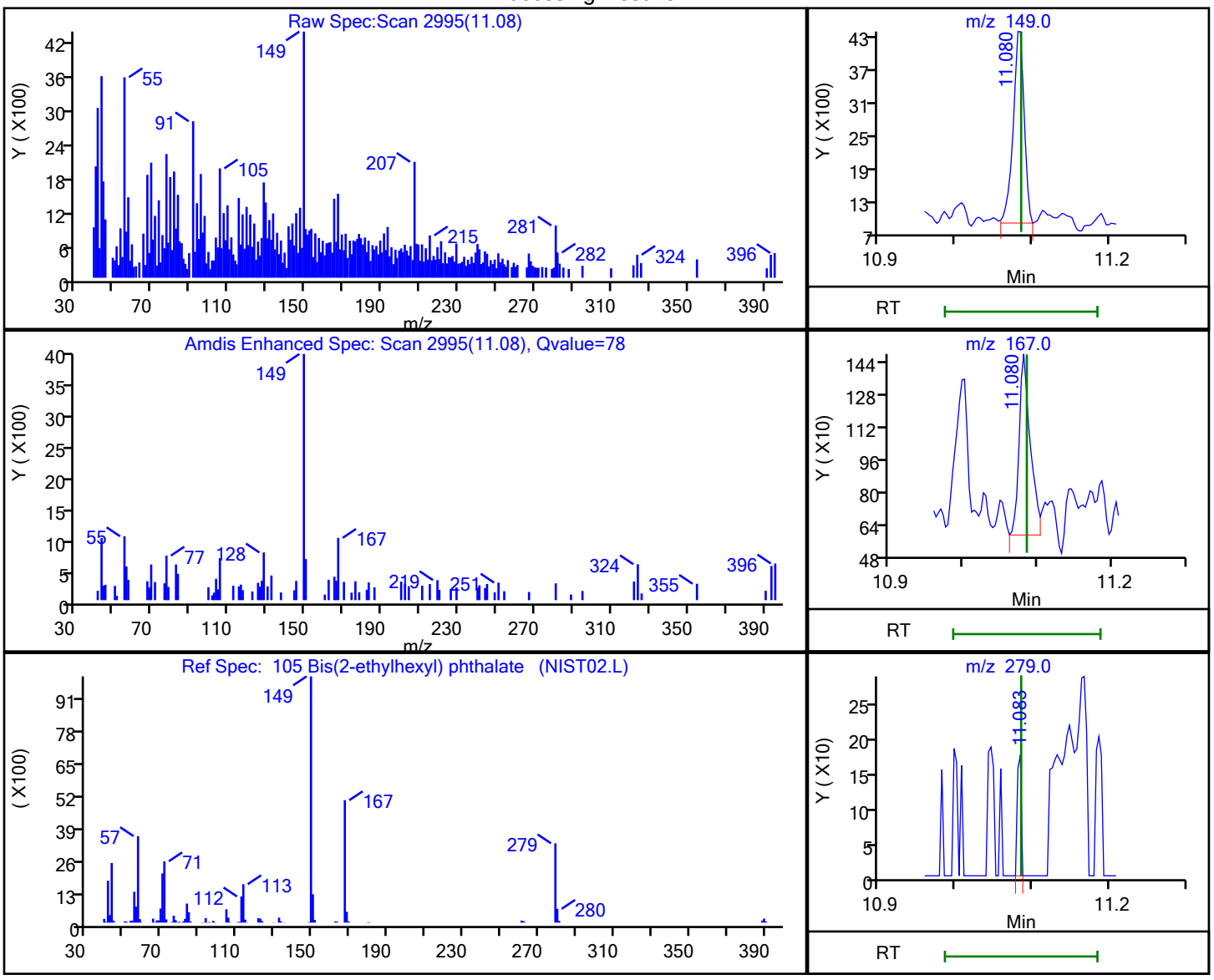
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Processing Results



RT	Mass	Response	Amount
11.08	149.00	3489	0.052317
11.08	167.00	936	
11.08	279.00	63	

Reviewer: V5XH, 25-Mar-2024 08:34:32 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

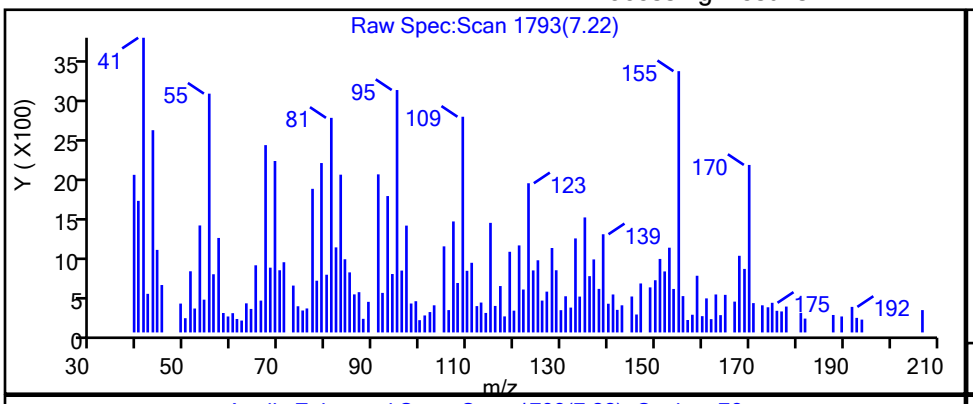
User Disabled Compound Report

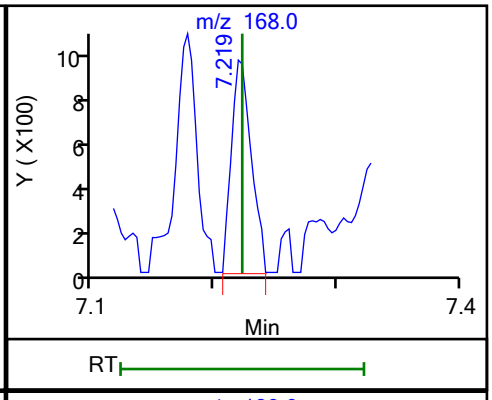
Eurofins Edison

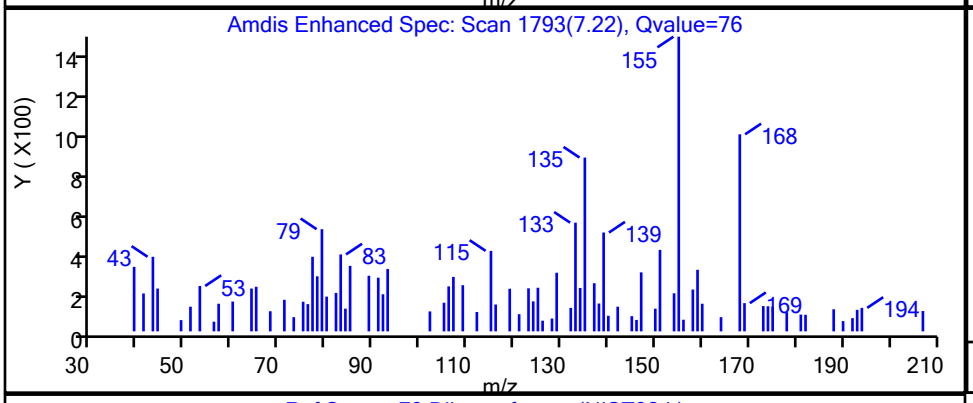
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

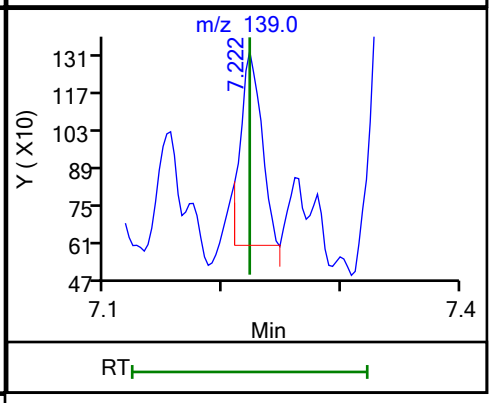
70 Dibenzofuran, CAS: 132-64-9

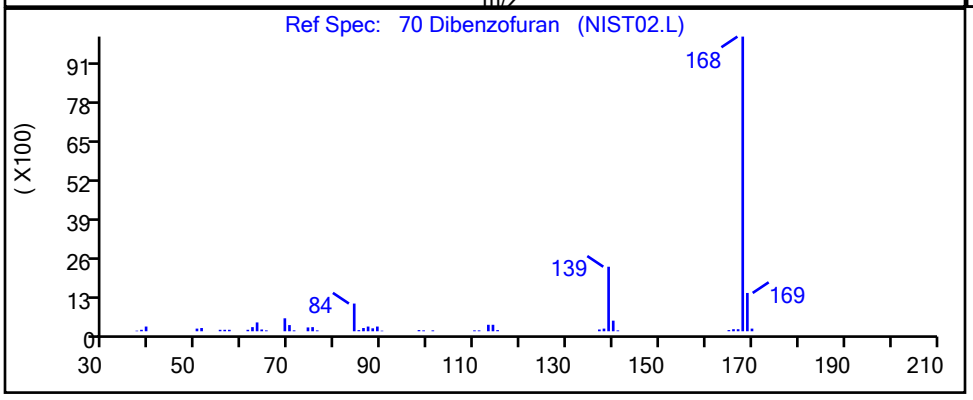
Processing Results











RT	Mass	Response	Amount
7.22	168.00	1106	0.008295
7.22	139.00	915	

Reviewer: U6BX, 22-Mar-2024 18:09:34 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

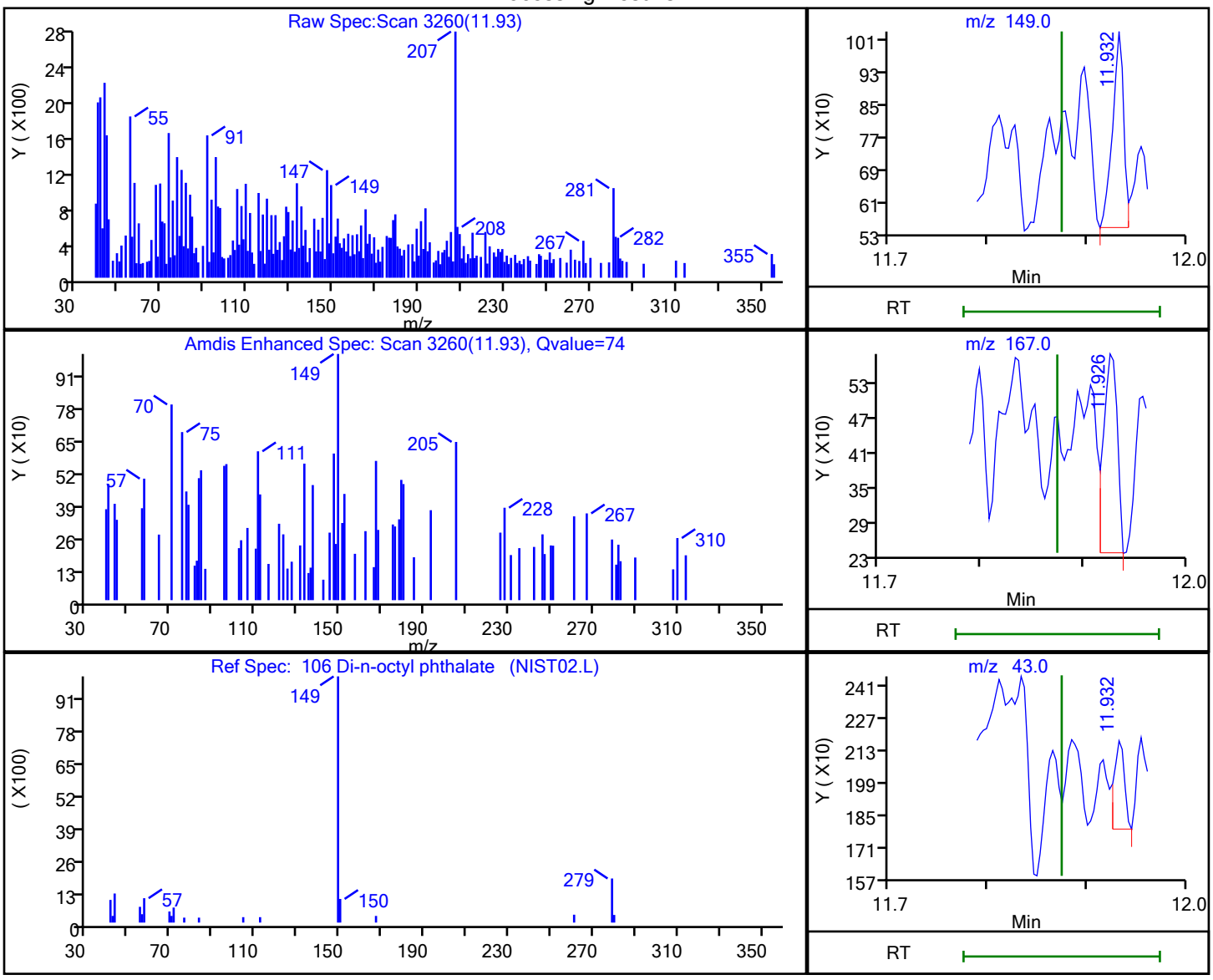
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.93	149.00	388	0.003497
11.93	167.00	313	
11.93	43.00	274	

Reviewer: U6BX, 22-Mar-2024 18:09:39 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

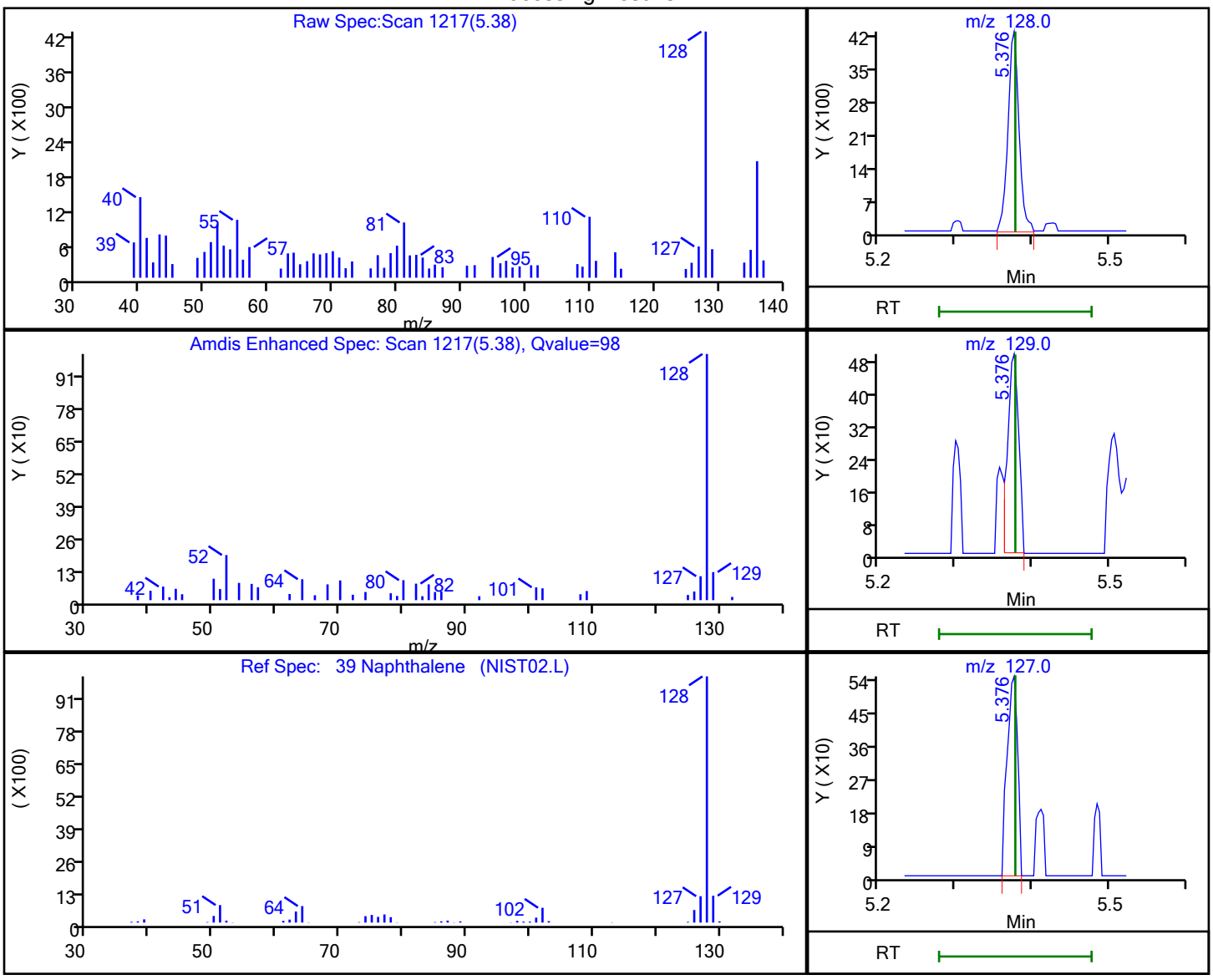
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84284.D				
Injection Date:	22-Mar-2024 17:45:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.38	128.00	4262	0.029432
5.38	129.00	494	
5.38	127.00	517	

Reviewer: V5XH, 25-Mar-2024 08:34:13 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: P84275.D

Analysis Method: 8270E | Date Collected: 03/18/2024 12:00

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: P84275.D

Analysis Method: 8270E | Date Collected: 03/18/2024 12:00

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: P84275.D

Analysis Method: 8270E | Date Collected: 03/18/2024 12:00

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	108		37-150
321-60-8	2-Fluorobiphenyl	95		46-139
367-12-4	2-Fluorophenol (Surr)	68		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	106		51-145
4165-62-2	Phenol-d5 (Surr)	52		10-56
1718-51-0	Terphenyl-d14 (Surr)	70		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D
Lims ID: 460-300484-E-4-A
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 14:34:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-026
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 15:07:36 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 15:07:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.913	2.913	-0.001	96	292970	6.79	
$ 6 Phenol-d5	99	3.810	3.810	-0.001	99	266741	5.20	
* 14 1,4-Dichlorobenzene-d4	152	4.136	4.137	-0.001	95	270337	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.669	-0.002	87	463884	10.6	
* 38 Naphthalene-d8	136	5.355	5.358	-0.003	99	1078164	8.00	
$ 53 2-Fluorobiphenyl	172	6.394	6.395	-0.003	97	1041078	9.51	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	96	593427	8.00	
$ 79 2,4,6-Tribromophenol	330	7.771	7.773	-0.004	93	201579	10.8	
* 88 Phenanthrene-d10	188	8.426	8.428	-0.002	98	1044956	8.00	
$ 97 Terphenyl-d14	244	9.948	9.945	-0.001	97	754374	7.02	
* 103 Chrysene-d12	240	10.997	11.001	-0.004	99	705257	8.00	
* 110 Perylene-d12	264	12.782	12.782	0.000	99	718263	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

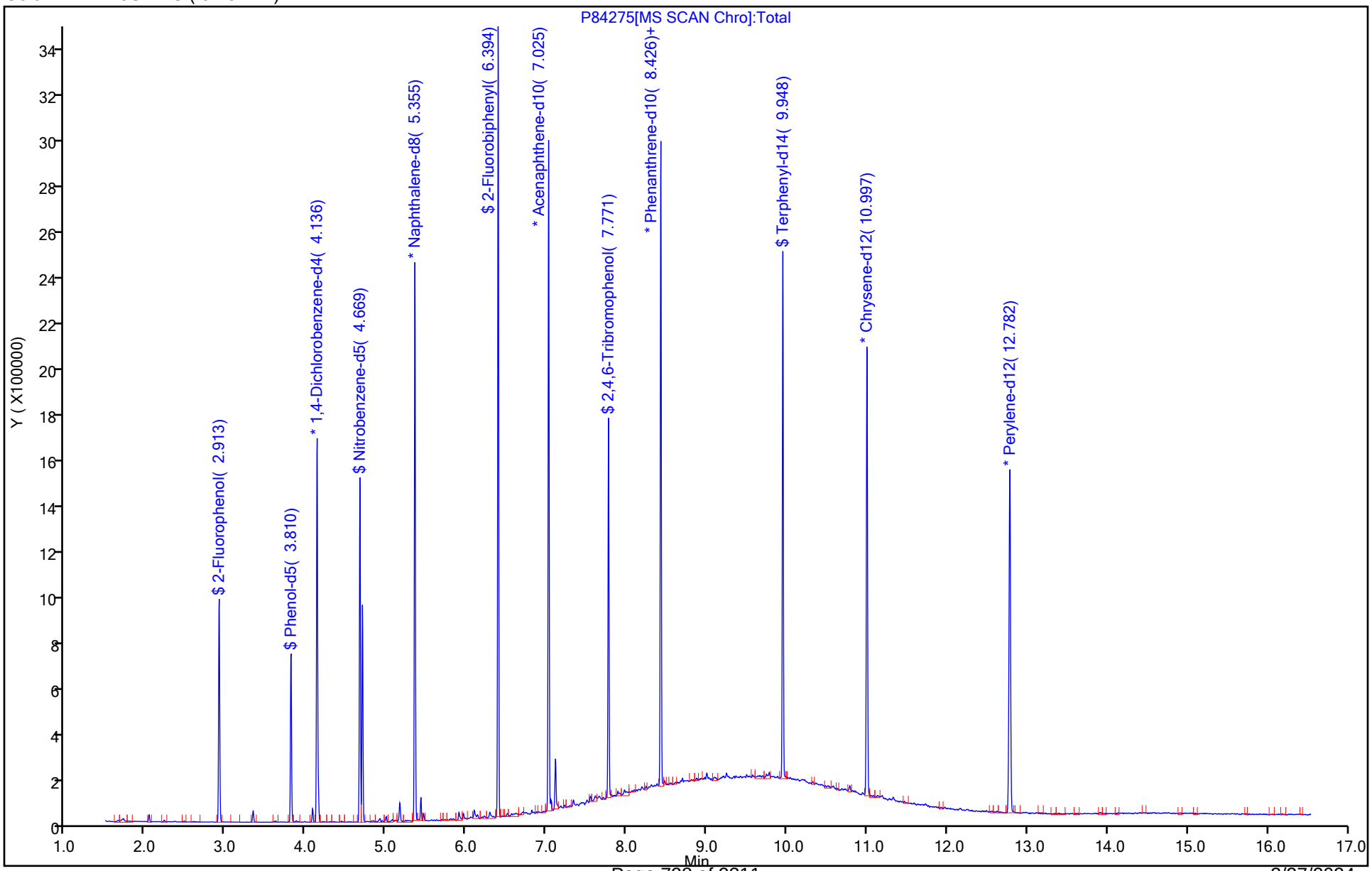
Report Date: 22-Mar-2024 15:07:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D

Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4	Worklist Smp#:	26
Client ID:	DUP_03182024				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D
Lims ID: 460-300484-E-4-A
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 14:34:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-026
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 15:07:36 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 15:07:36

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	6.79	67.88
$ 6 Phenol-d5	10.0	5.20	52.03
$ 28 Nitrobenzene-d5	10.0	10.6	106.22
$ 53 2-Fluorobiphenyl	10.0	9.51	95.06
$ 79 2,4,6-Tribromophenol	10.0	10.8	107.94
$ 97 Terphenyl-d14	10.0	7.02	70.24

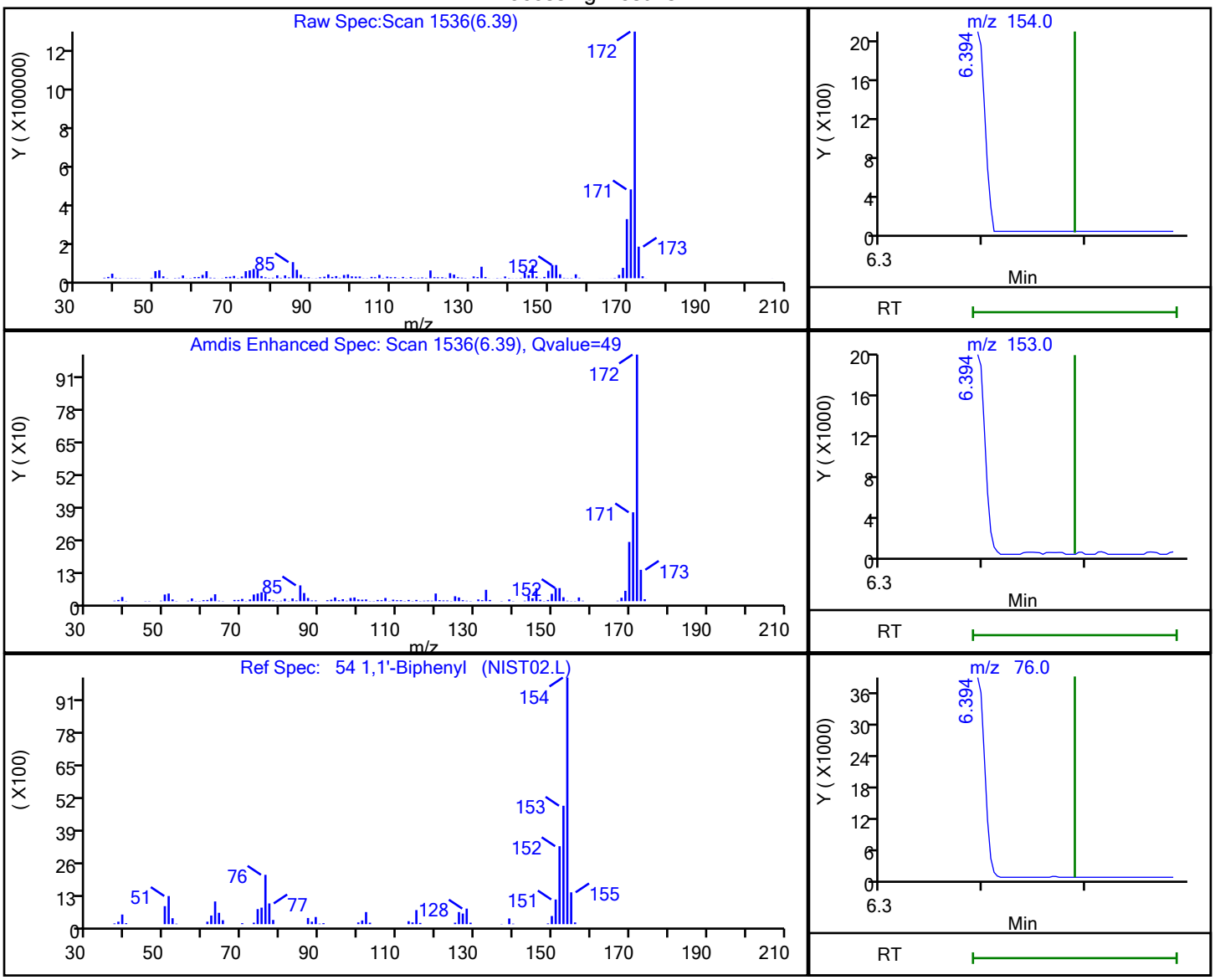
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.39	154.00	1852	0.015089
6.39	153.00	16671	
6.39	76.00	32849	

Reviewer: G4KC, 22-Mar-2024 15:07:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

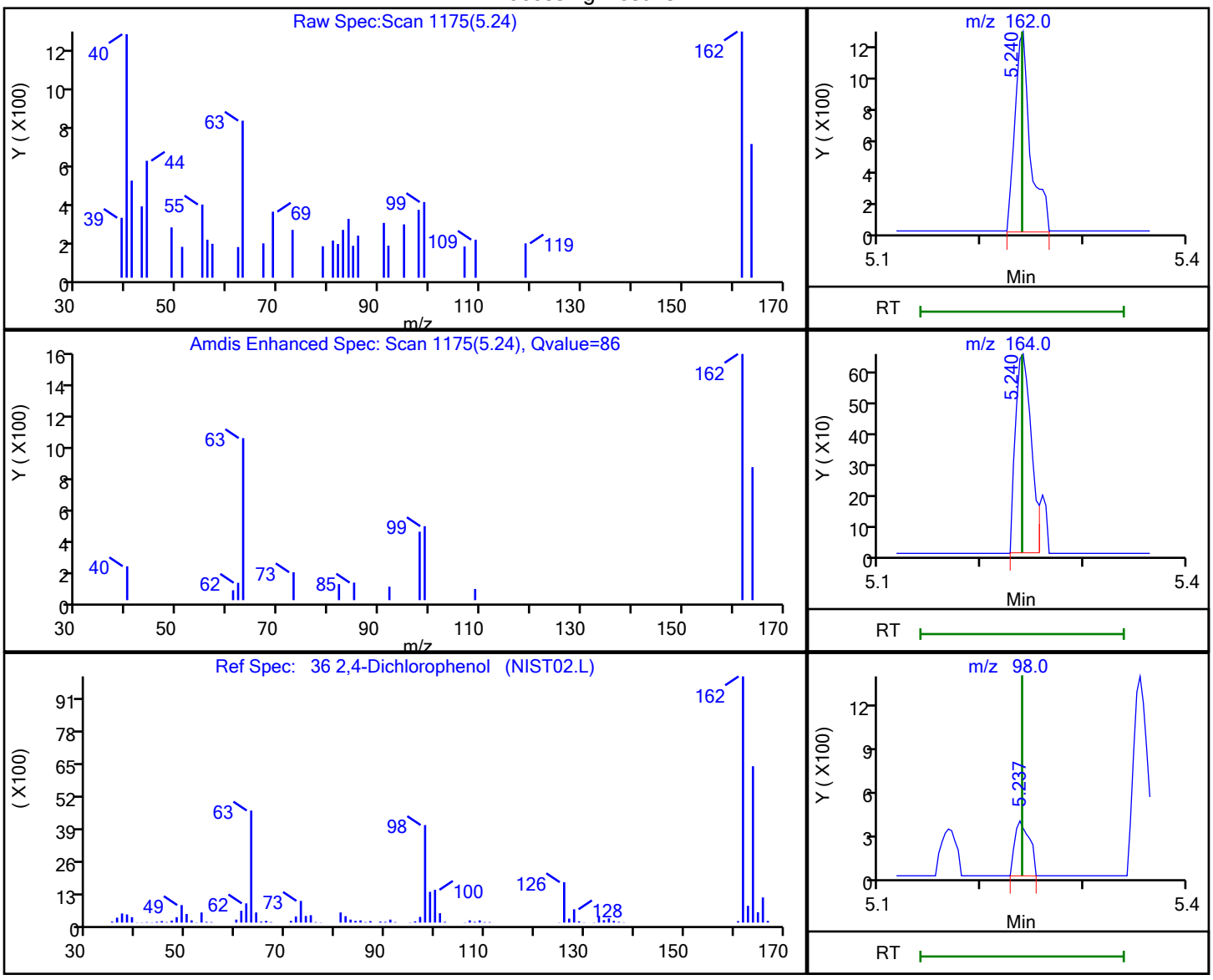
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

36 2,4-Dichlorophenol, CAS: 120-83-2

Processing Results



RT	Mass	Response	Amount
5.24	162.00	1261	0.031430
5.24	164.00	715	
5.24	98.00	382	

Reviewer: G4KC, 22-Mar-2024 15:07:16 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

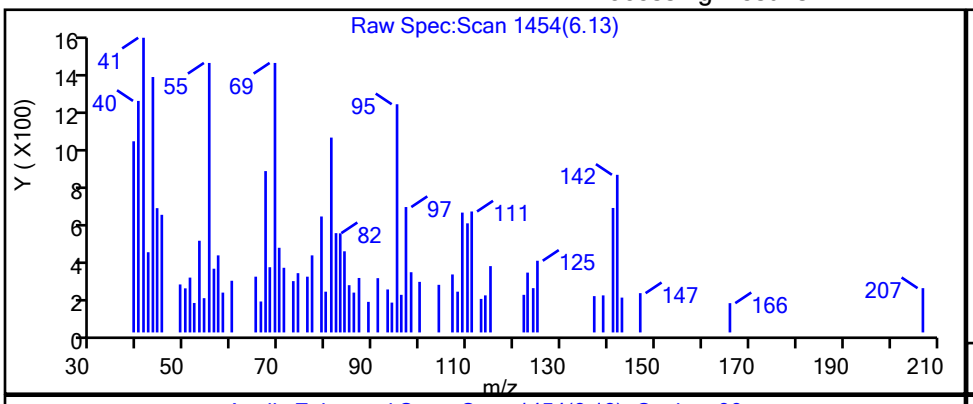
User Disabled Compound Report

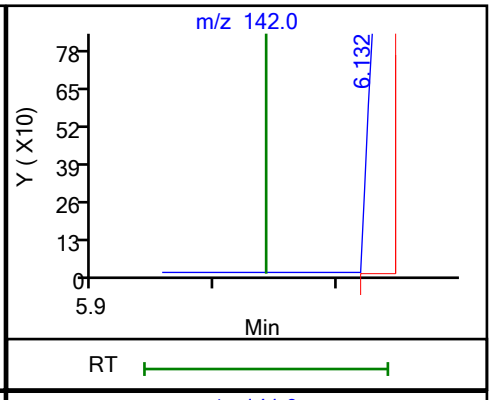
Eurofins Edison

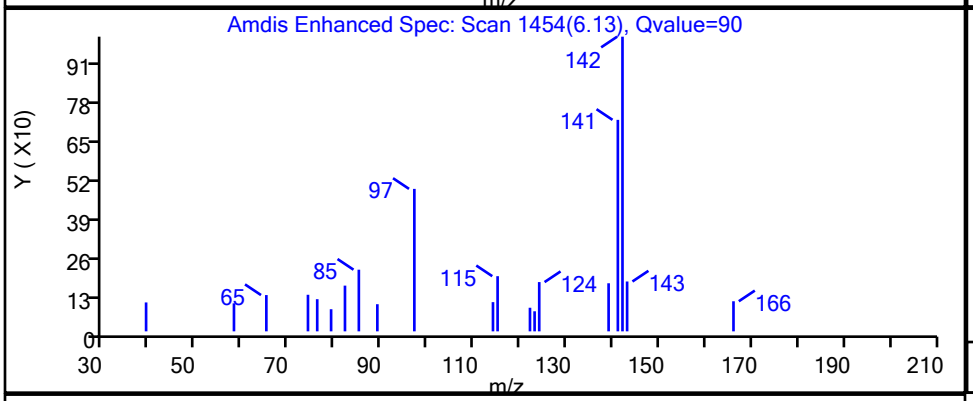
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

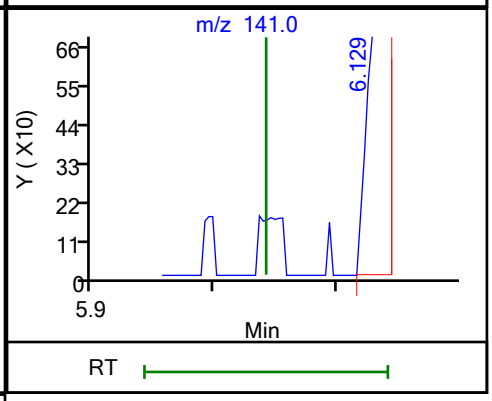
46 2-Methylnaphthalene, CAS: 91-57-6

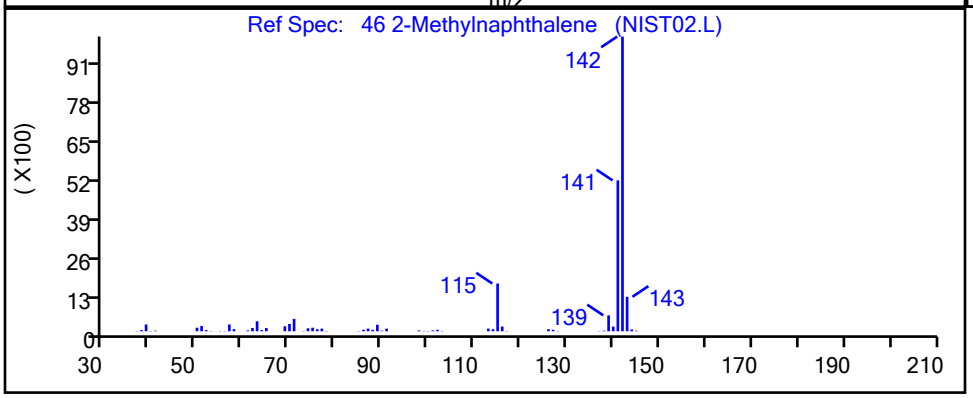
Processing Results











RT	Mass	Response	Amount
6.13	142.00	828	0.008720
6.13	141.00	687	

Reviewer: G4KC, 22-Mar-2024 15:07:06 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

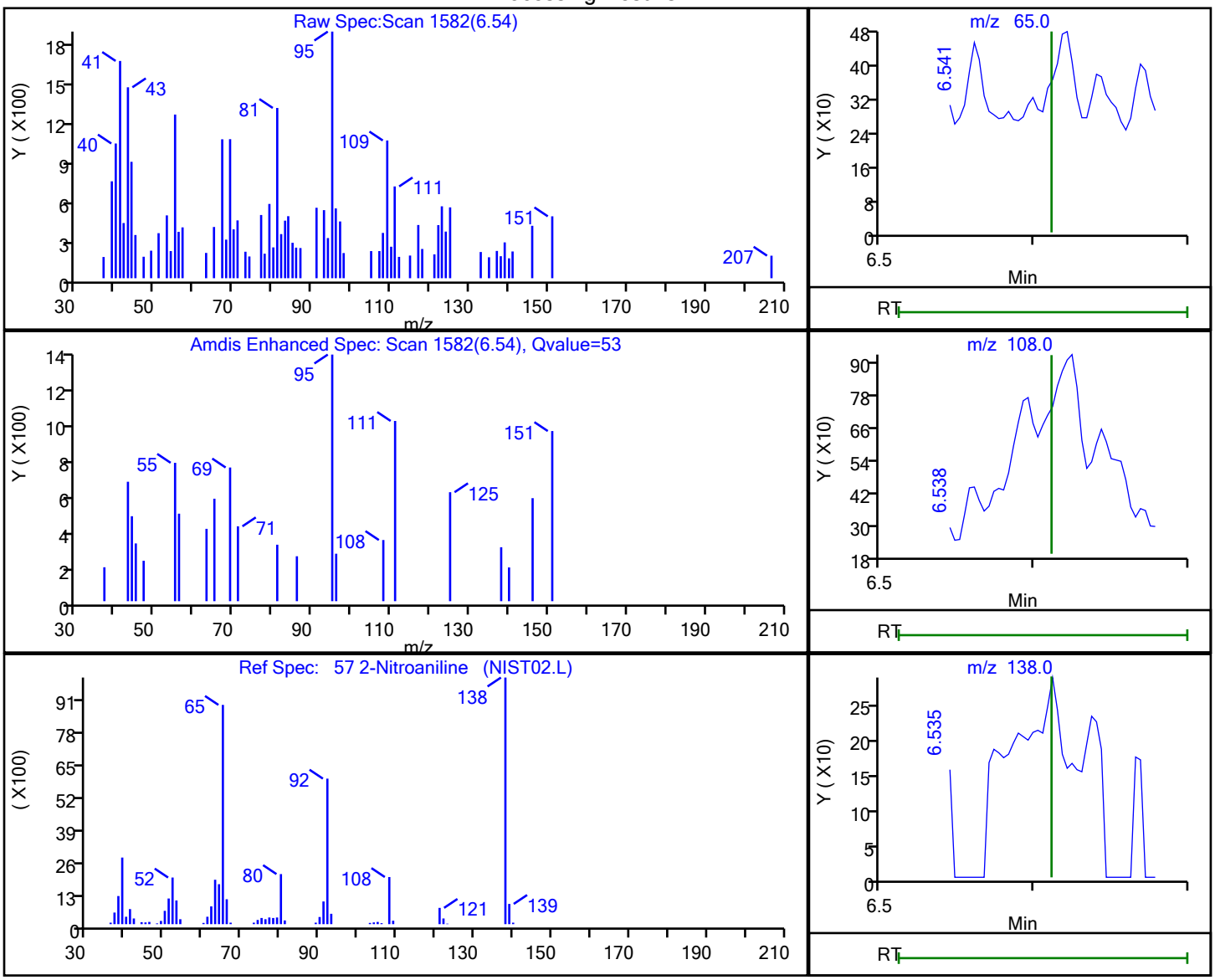
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

57 2-Nitroaniline, CAS: 88-74-4

Processing Results



RT	Mass	Response	Amount
6.54	65.00	380	0.017661
6.54	108.00	132	
6.53	138.00	98	

Reviewer: G4KC, 22-Mar-2024 15:06:59 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

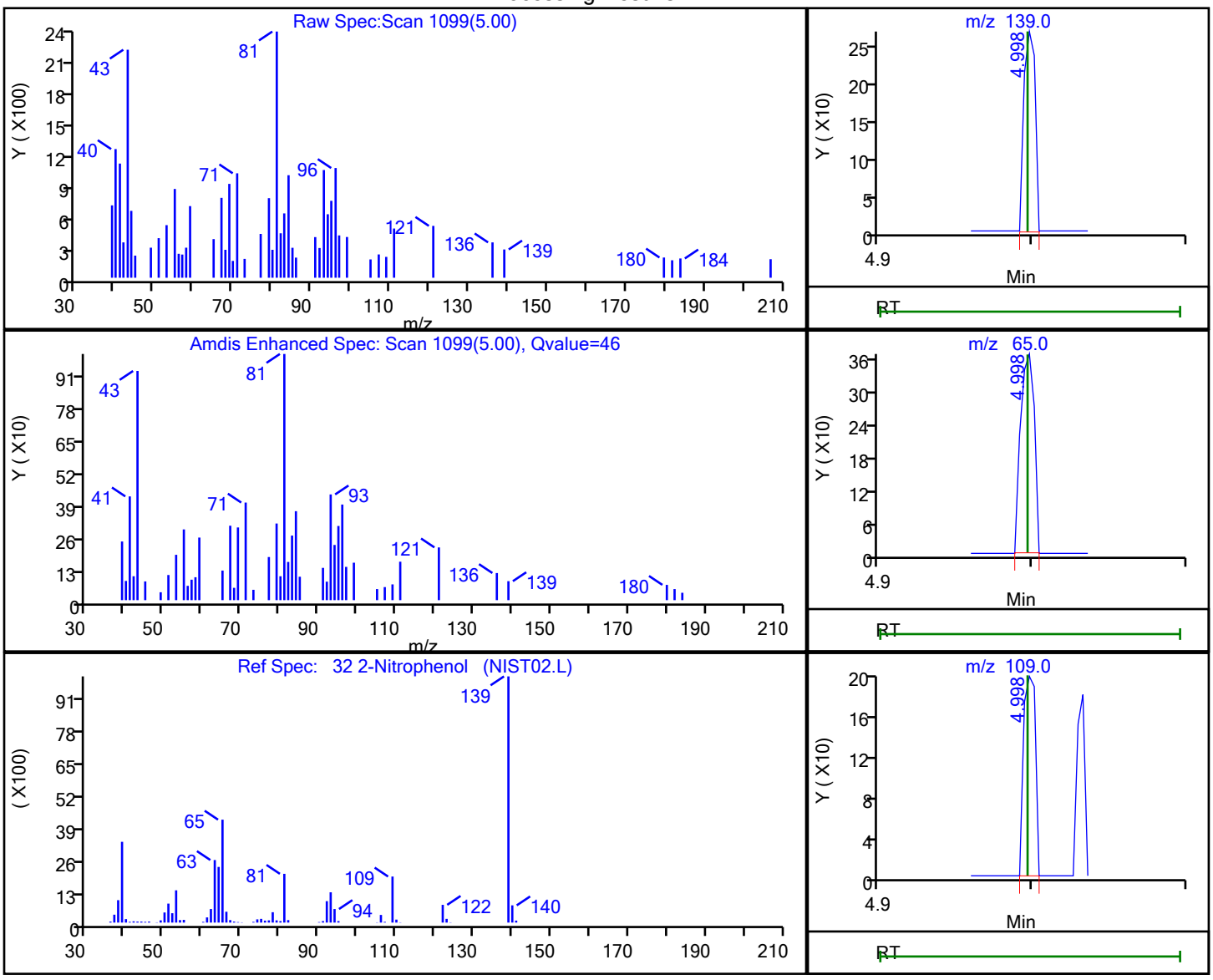
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

32 2-Nitrophenol, CAS: 88-75-5

Processing Results



RT	Mass	Response	Amount
5.00	139.00	137	0.005266
5.00	65.00	228	
5.00	109.00	107	

Reviewer: G4KC, 22-Mar-2024 15:07:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

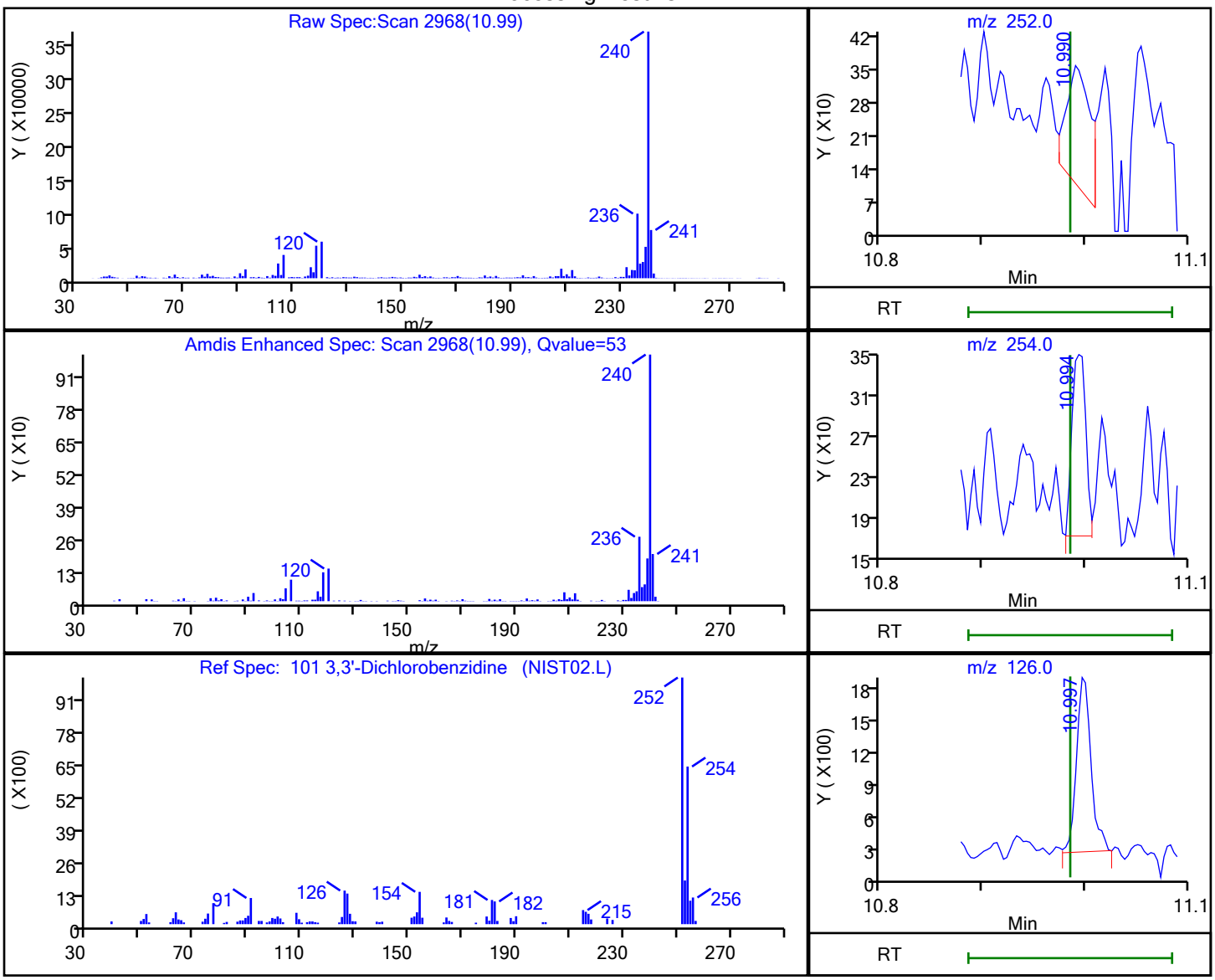
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Processing Results



RT	Mass	Response	Amount
10.99	252.00	417	0.010180
10.99	254.00	162	
11.00	126.00	1608	

Reviewer: G4KC, 22-Mar-2024 15:06:27 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

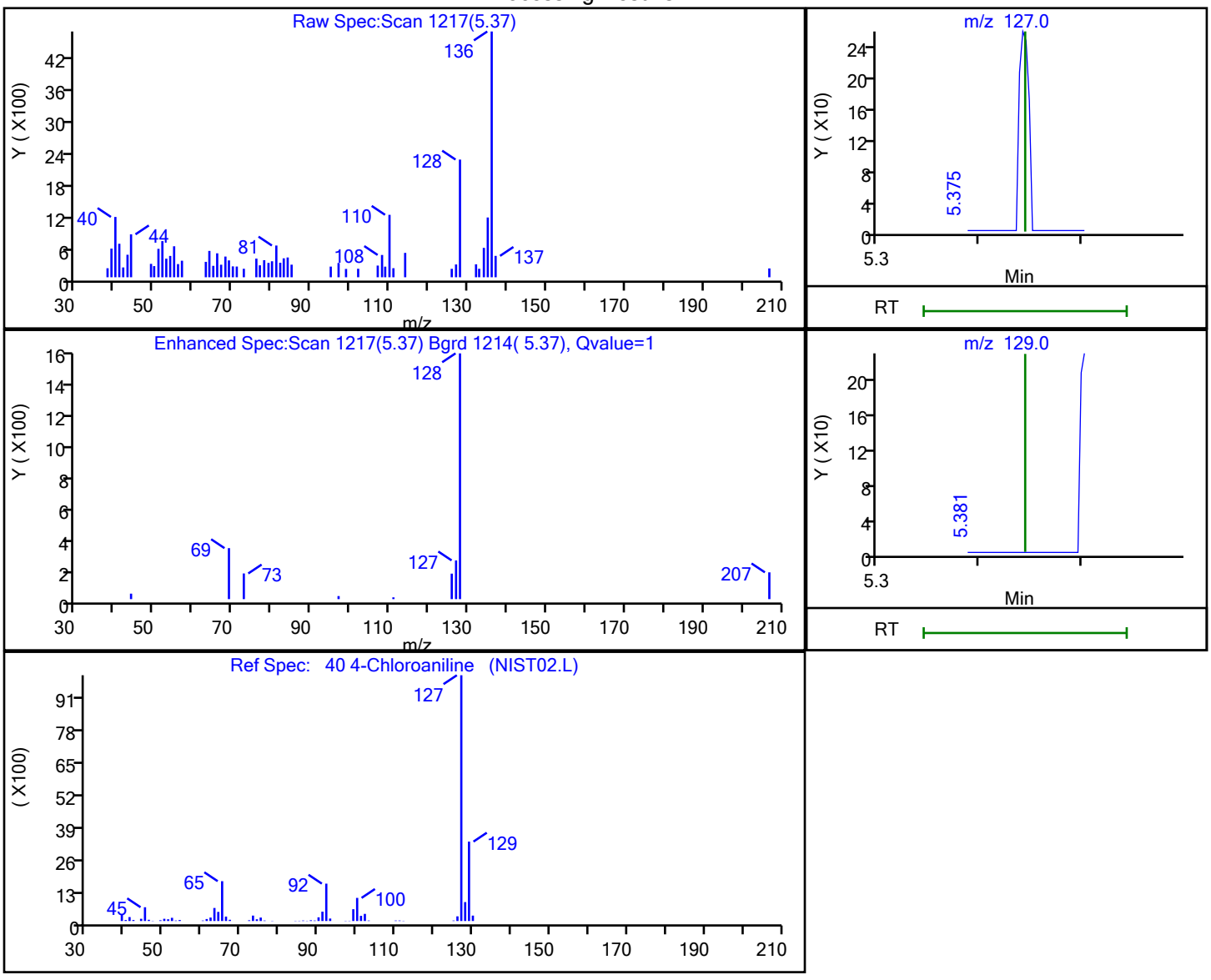
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 4-Chloroaniline, CAS: 106-47-8

Processing Results



RT	Mass	Response	Amount
5.37	127.00	201	0.003757
5.38	129.00	60	

Reviewer: G4KC, 22-Mar-2024 15:07:10 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

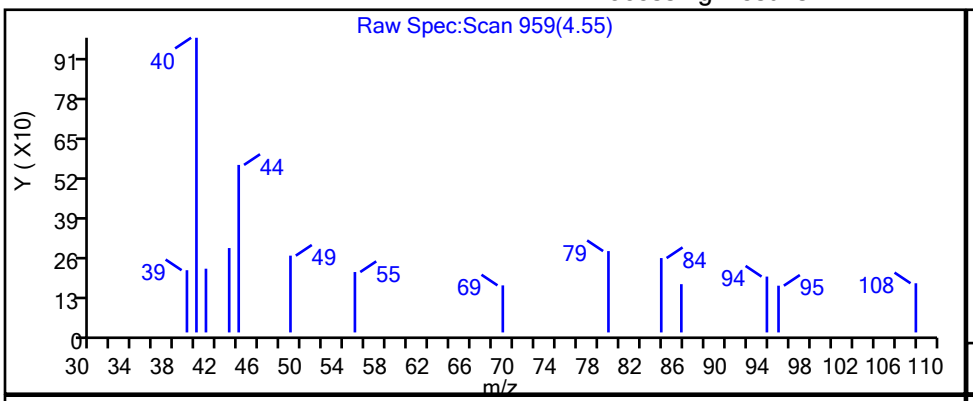
User Disabled Compound Report

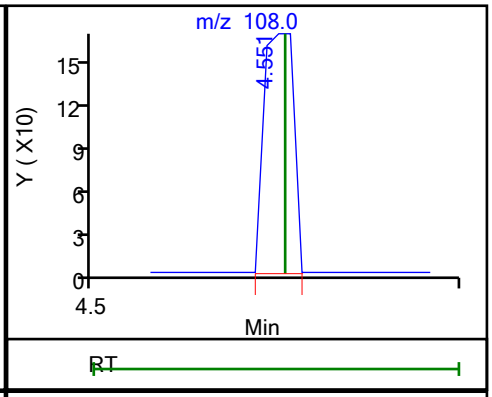
Eurofins Edison

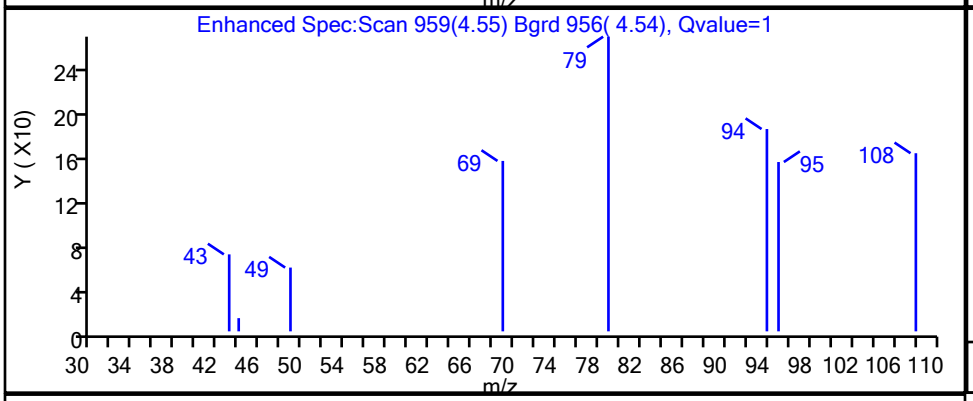
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

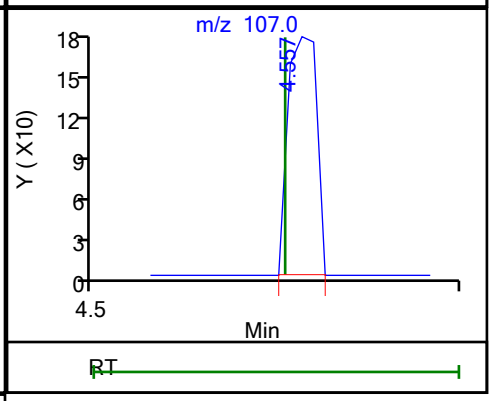
26 4-Methylphenol, CAS: 106-44-5

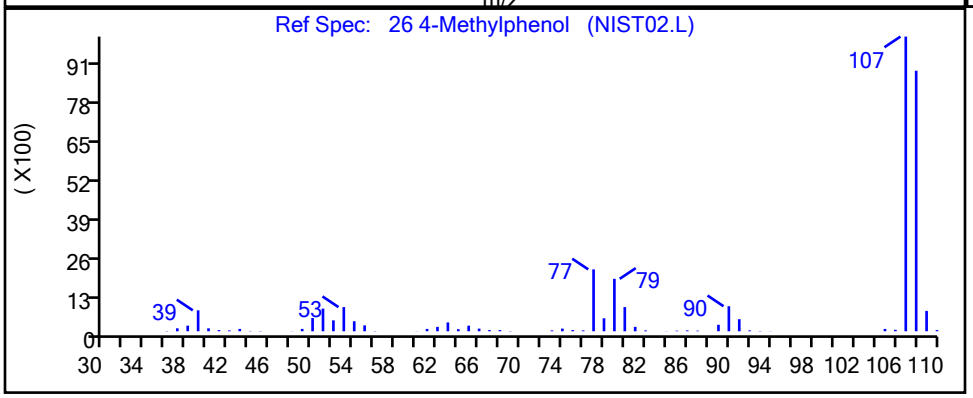
Processing Results











RT	Mass	Response	Amount
4.55	108.00	92	0.002032
4.56	107.00	96	

Reviewer: G4KC, 22-Mar-2024 15:07:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

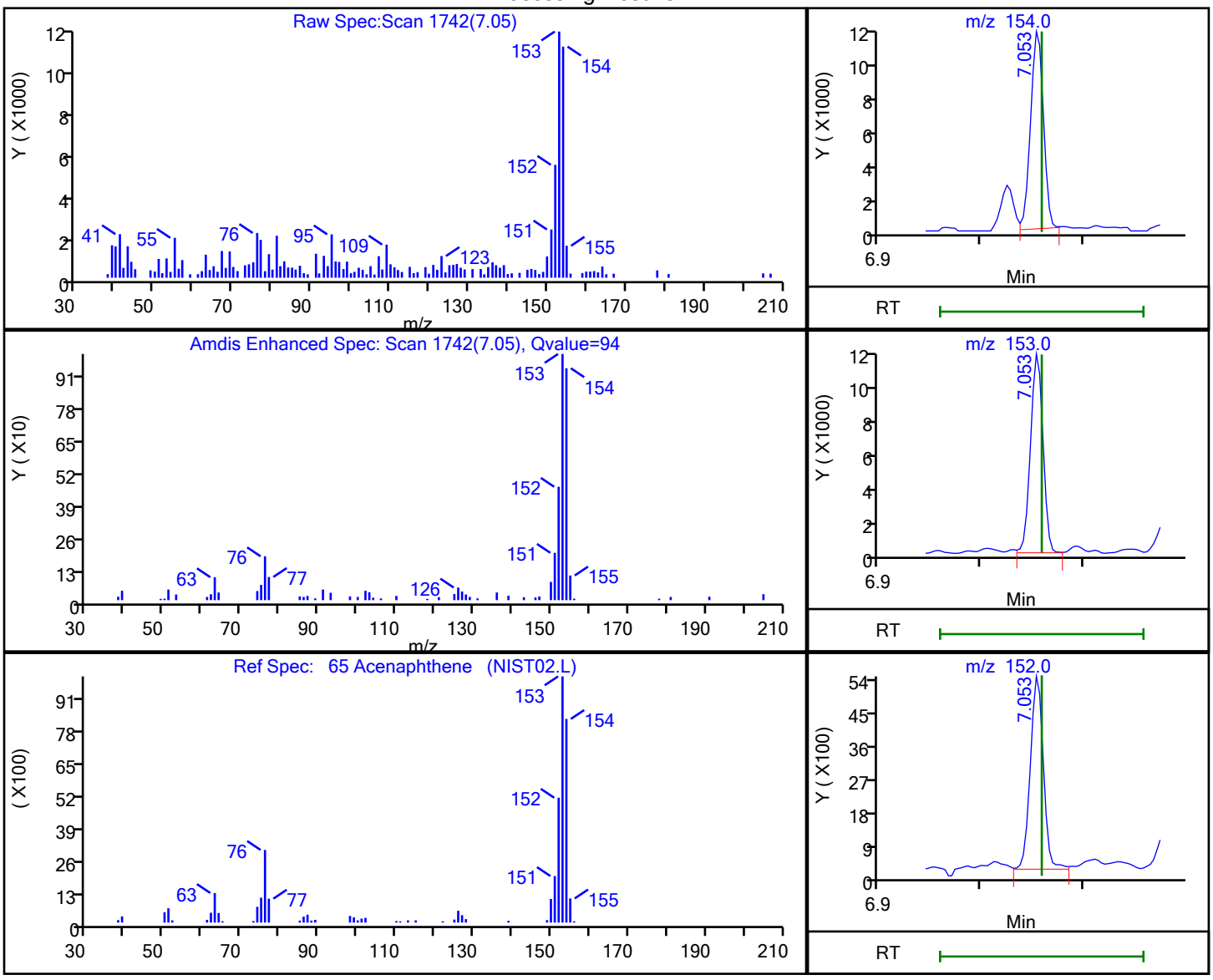
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.05	154.00	9499	0.107278
7.05	153.00	9775	
7.05	152.00	4584	

Reviewer: G4KC, 22-Mar-2024 15:06:52 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

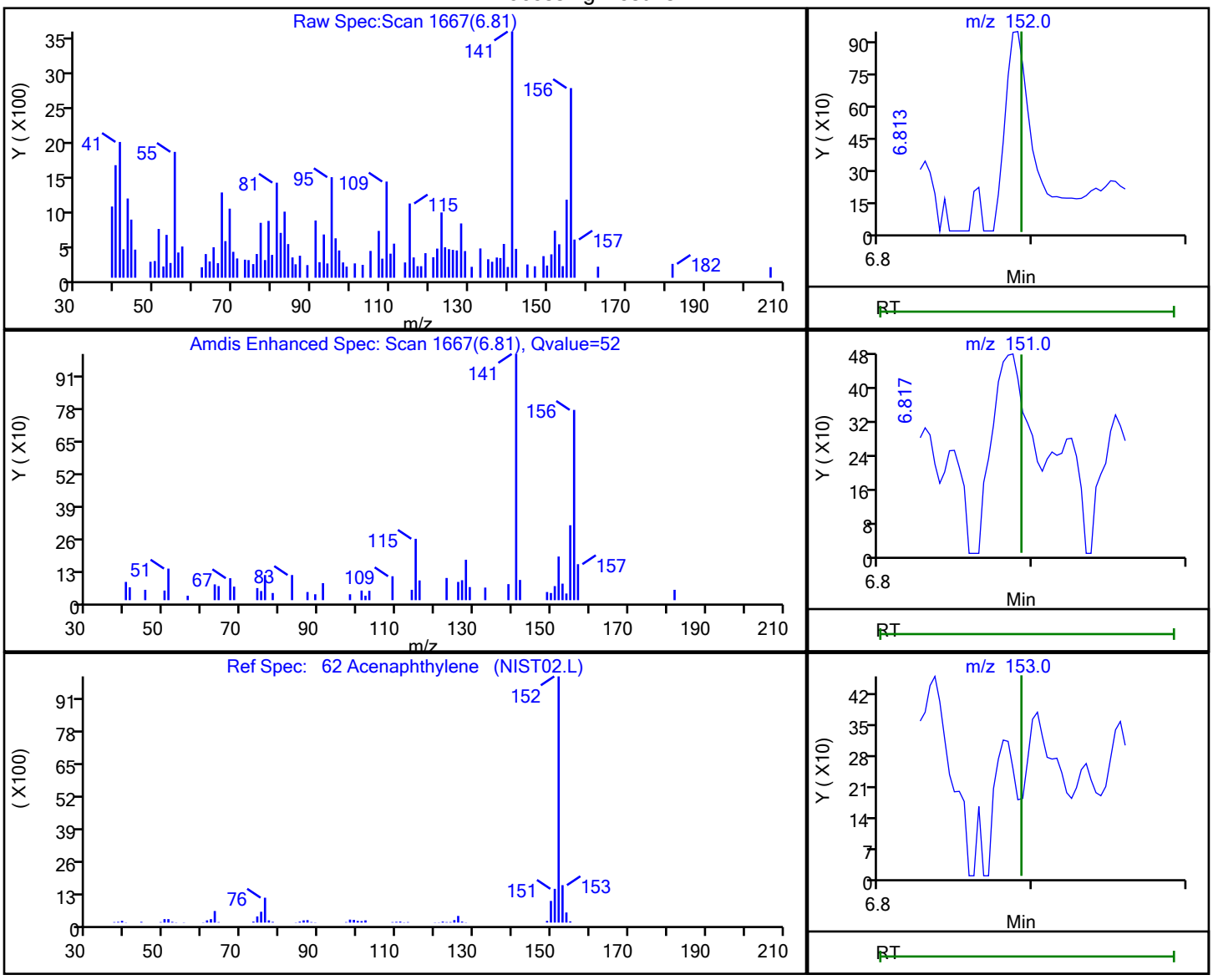
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
6.81	152.00	573	0.003862
6.82	151.00	397	
6.81	153.00	416	

Reviewer: G4KC, 22-Mar-2024 15:06:57 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

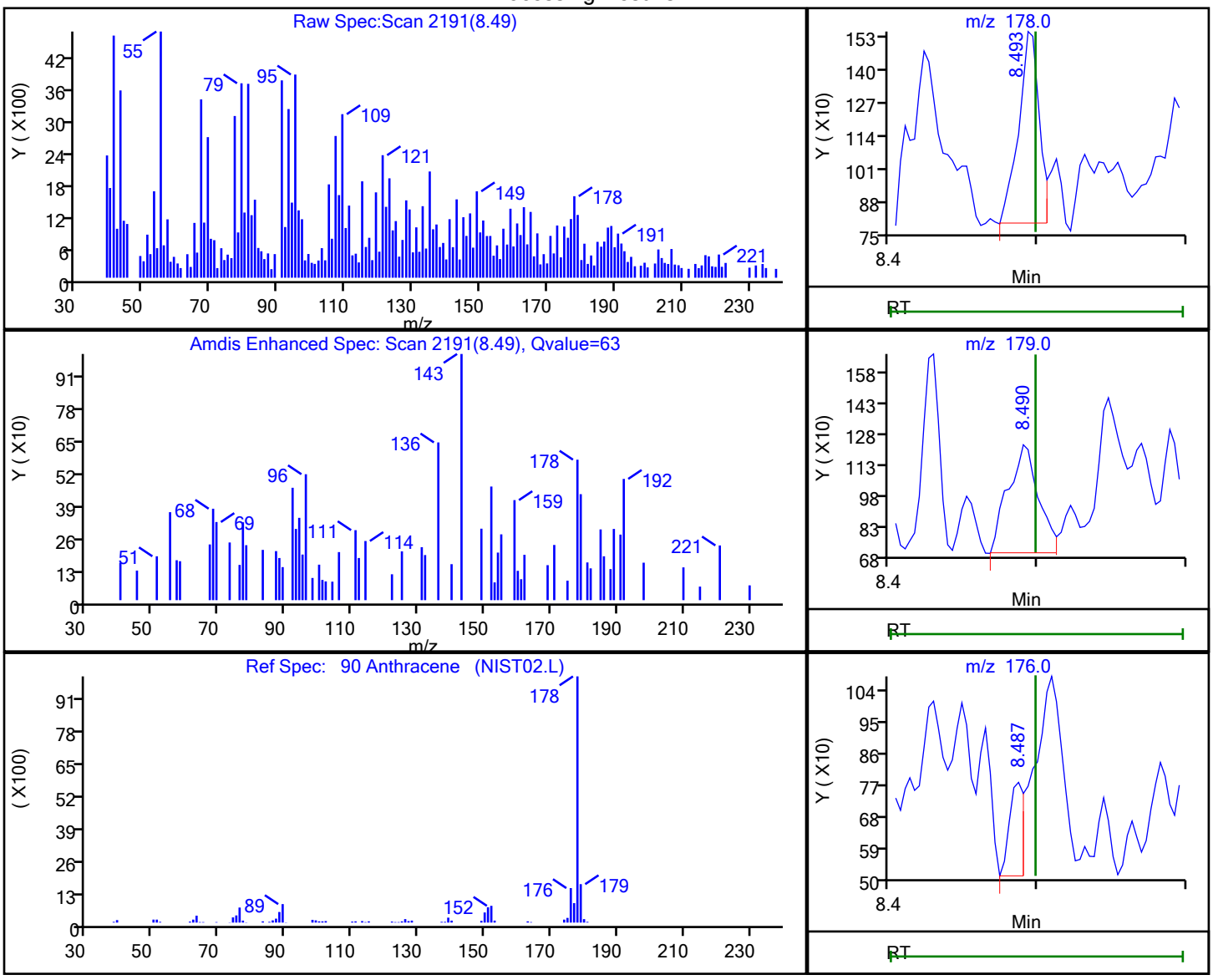
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.49	178.00	754	0.005224
8.49	179.00	771	
8.49	176.00	183	

Reviewer: G4KC, 22-Mar-2024 15:06:21 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

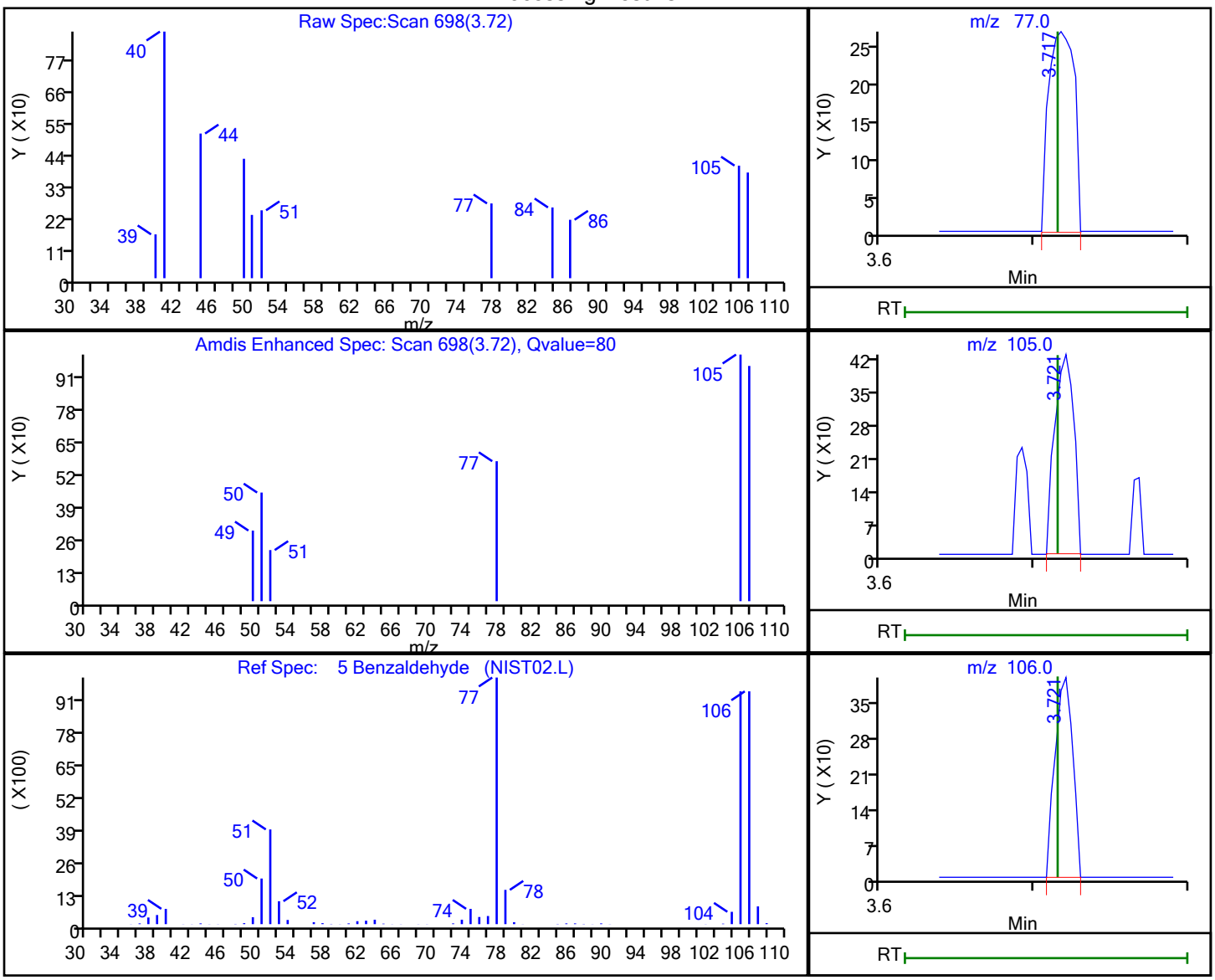
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

5 Benzaldehyde, CAS: 100-52-7

Processing Results



RT	Mass	Response	Amount
3.72	77.00	303	0.009163
3.72	105.00	372	
3.72	106.00	318	

Reviewer: G4KC, 22-Mar-2024 15:07:30 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

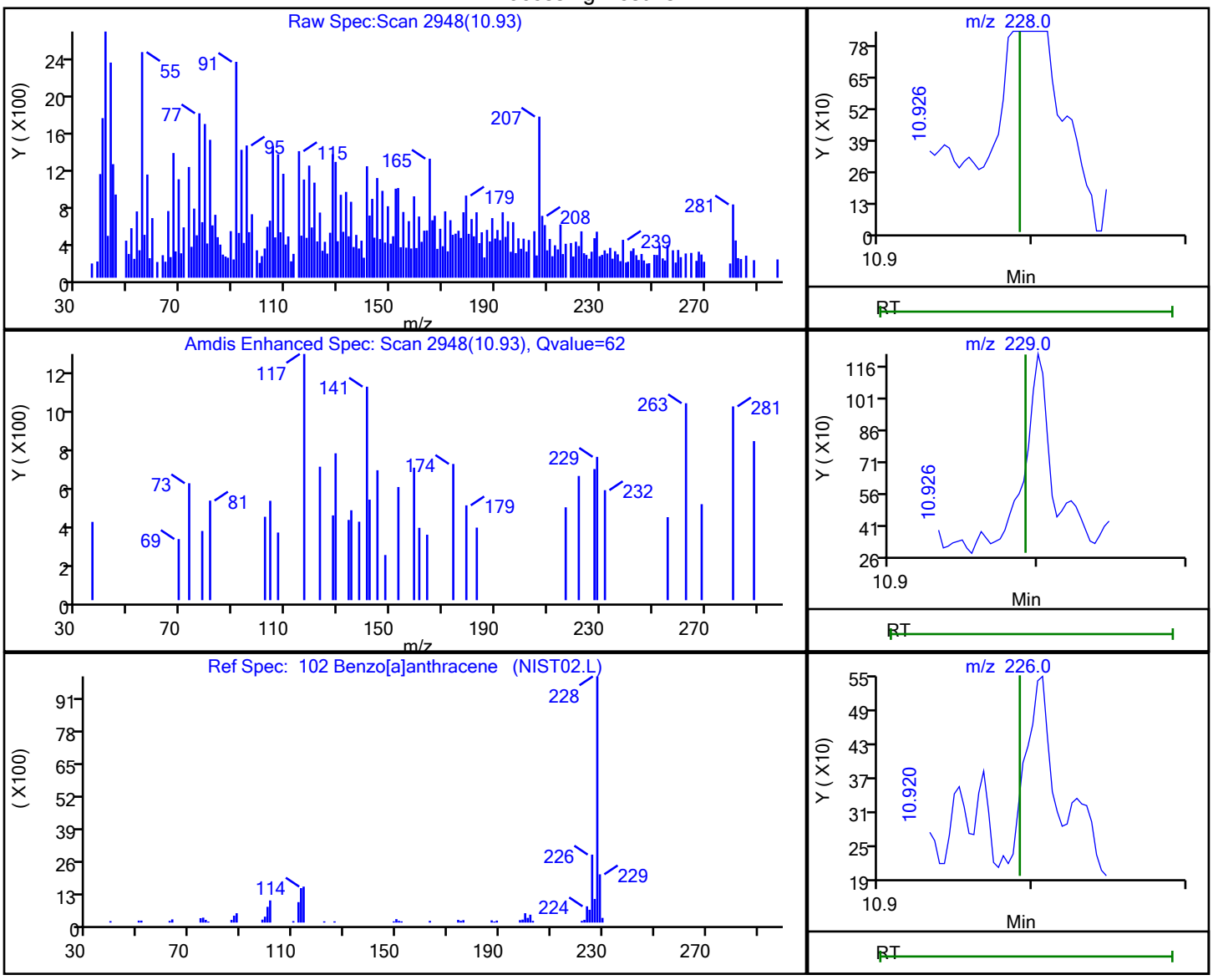
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
10.93	228.00	129	0.001121
10.93	229.00	131	
10.92	226.00	58	

Reviewer: G4KC, 22-Mar-2024 15:06:28 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

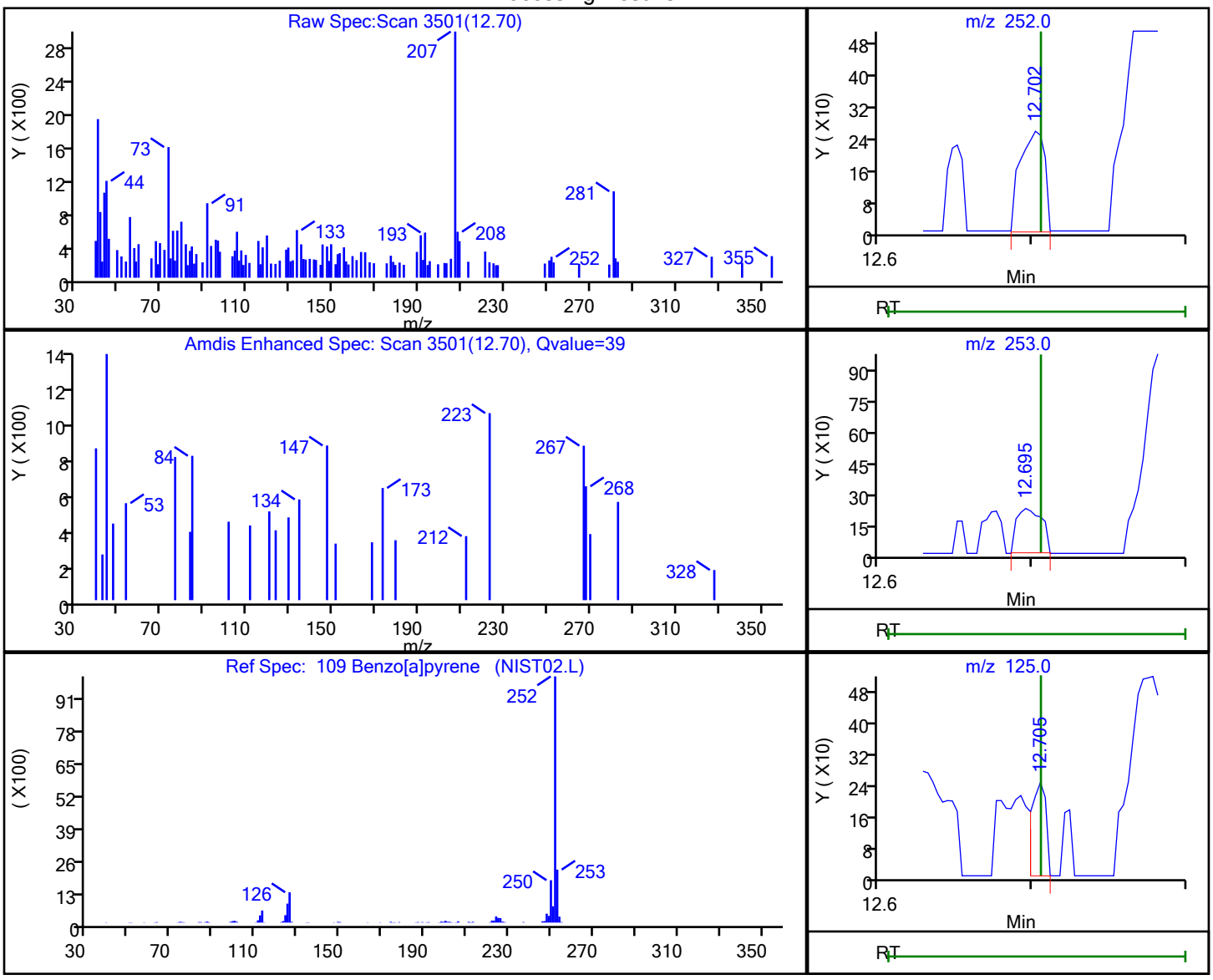
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.70	252.00	280	0.002899
12.70	253.00	254	
12.70	125.00	158	

Reviewer: G4KC, 22-Mar-2024 15:06:33 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

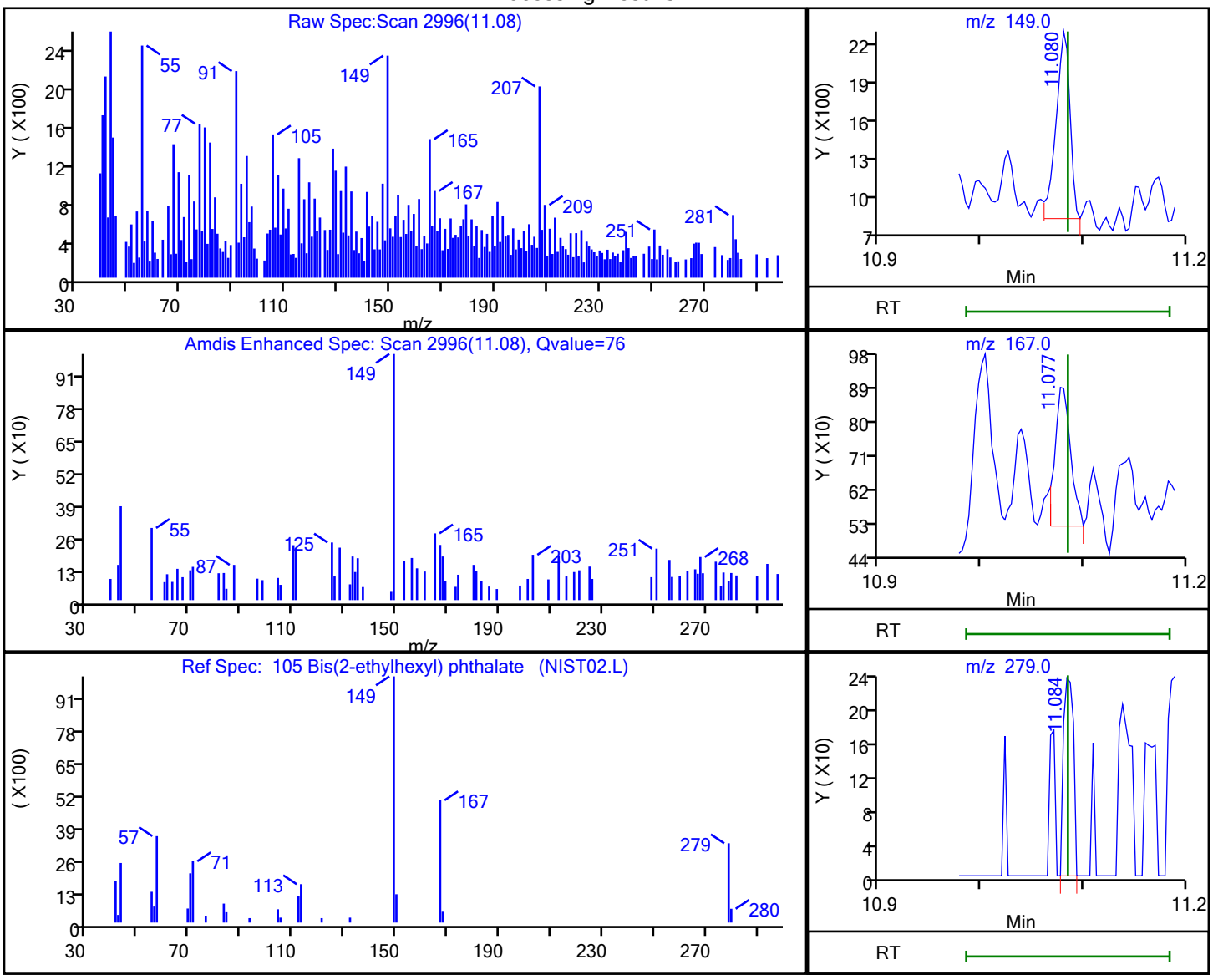
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Processing Results



RT	Mass	Response	Amount
11.08	149.00	1326	0.019560
11.08	167.00	387	
11.08	279.00	158	

Reviewer: G4KC, 22-Mar-2024 15:06:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

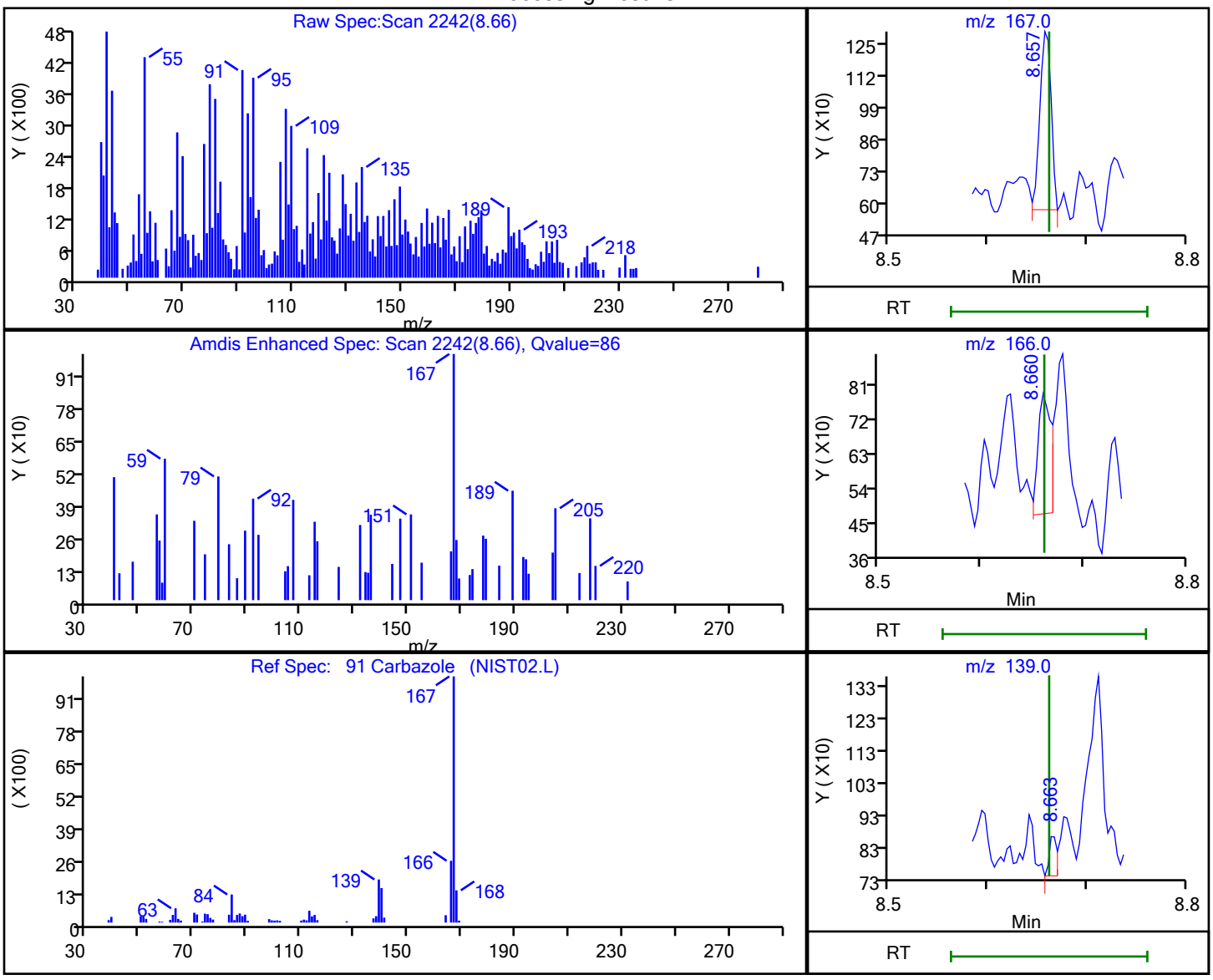
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Carbazole, CAS: 86-74-8

Processing Results



RT	Mass	Response	Amount
8.66	167.00	589	0.004732
8.66	166.00	288	
8.66	139.00	67	

Reviewer: G4KC, 22-Mar-2024 15:06:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

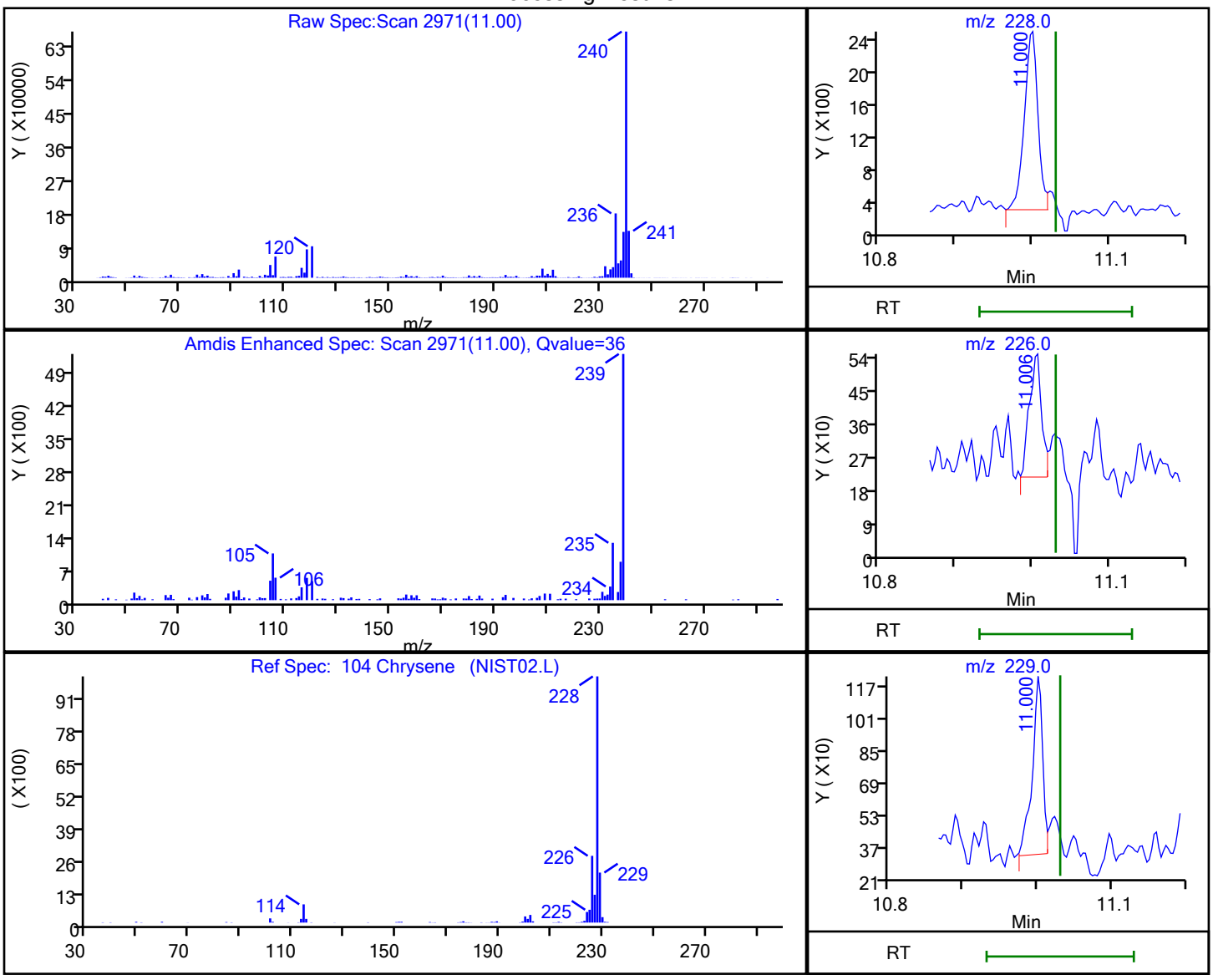
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.00	228.00	2686	0.025010
11.01	226.00	373	
11.00	229.00	871	

Reviewer: G4KC, 22-Mar-2024 15:06:30 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

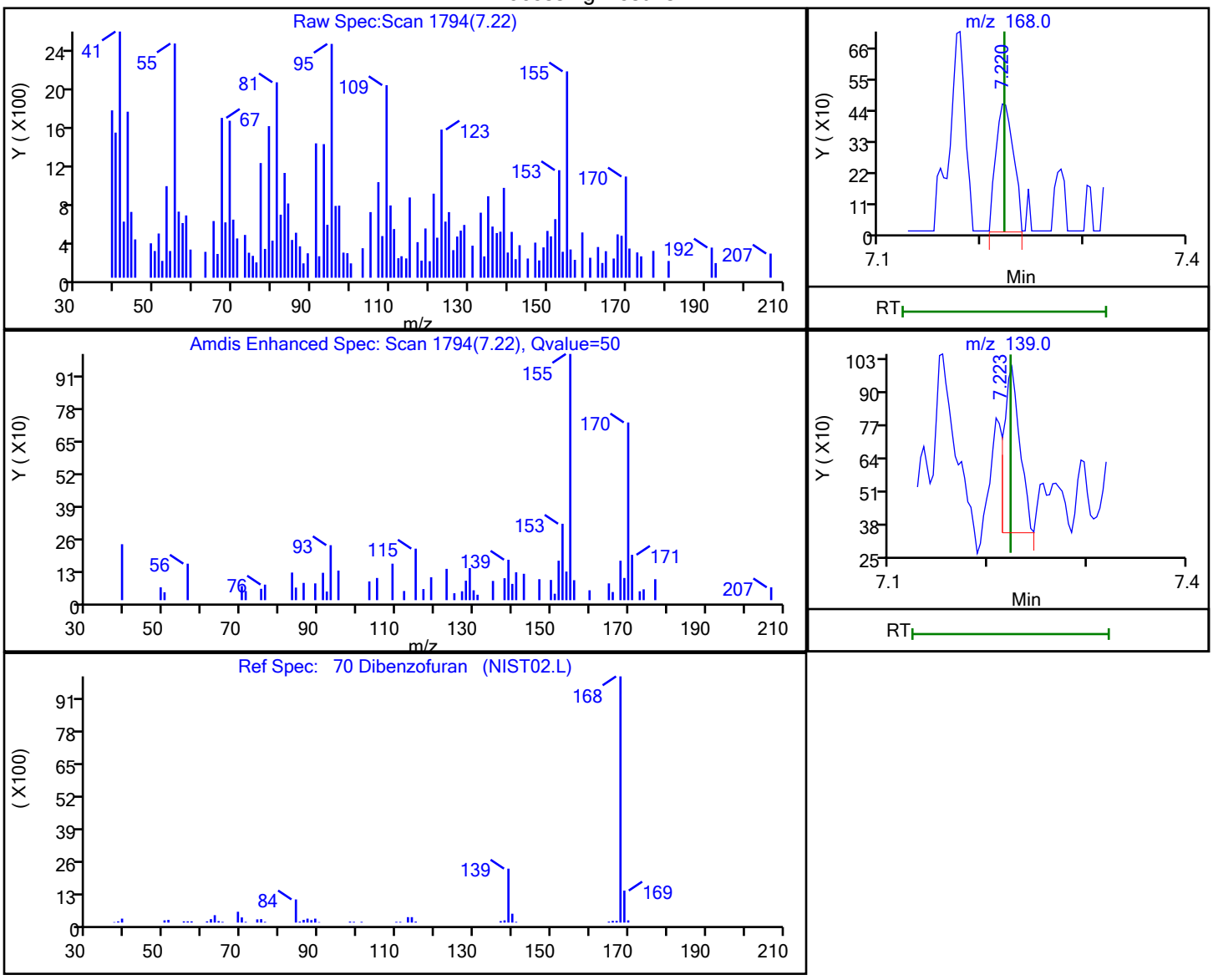
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

Processing Results



RT	Mass	Response	Amount
7.22	168.00	548	0.004132
7.22	139.00	707	

Reviewer: G4KC, 22-Mar-2024 15:06:50 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

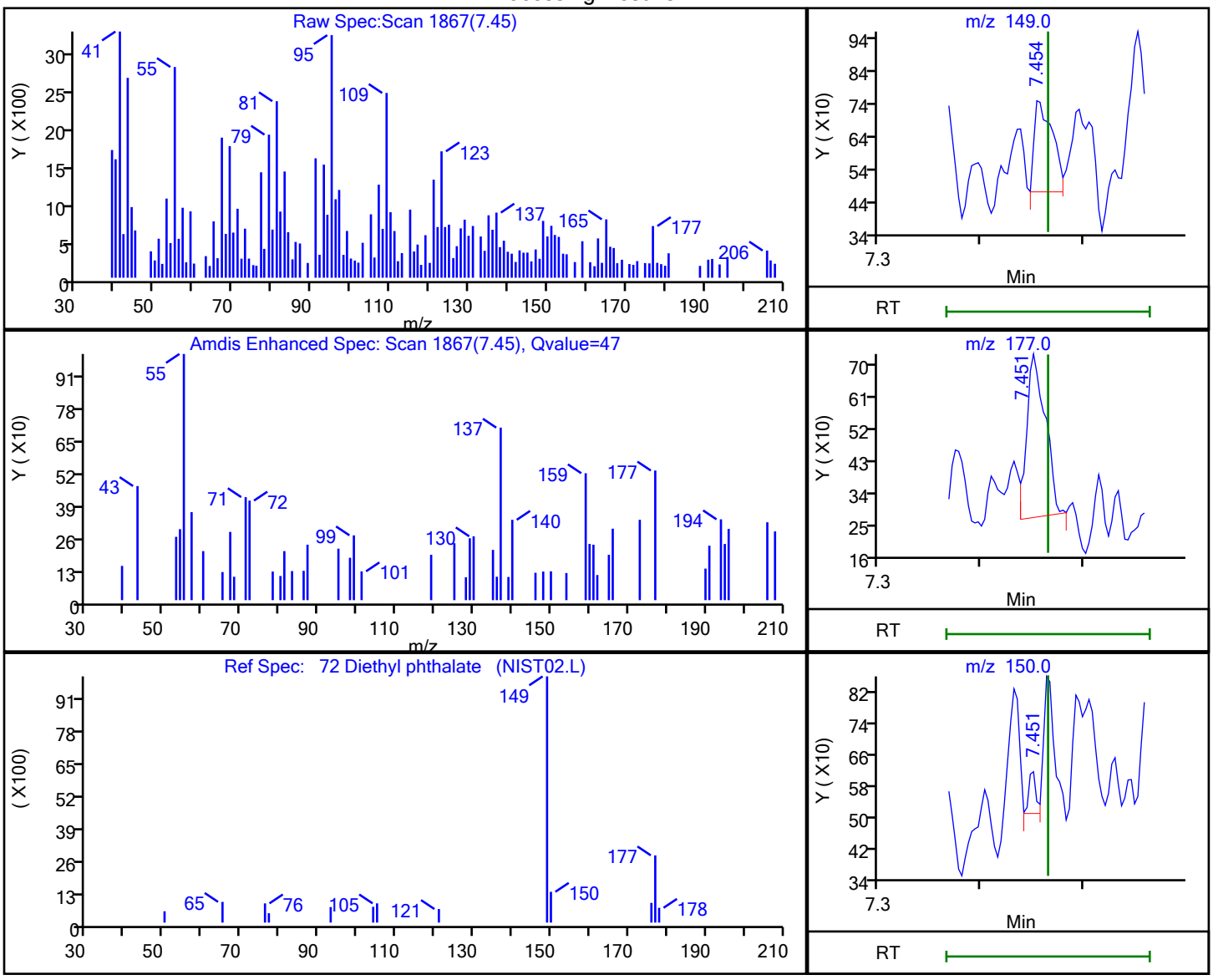
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

72 Diethyl phthalate, CAS: 84-66-2

Processing Results



RT	Mass	Response	Amount
7.45	149.00	346	0.003558
7.45	177.00	586	
7.45	150.00	51	

Reviewer: G4KC, 22-Mar-2024 15:06:44 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

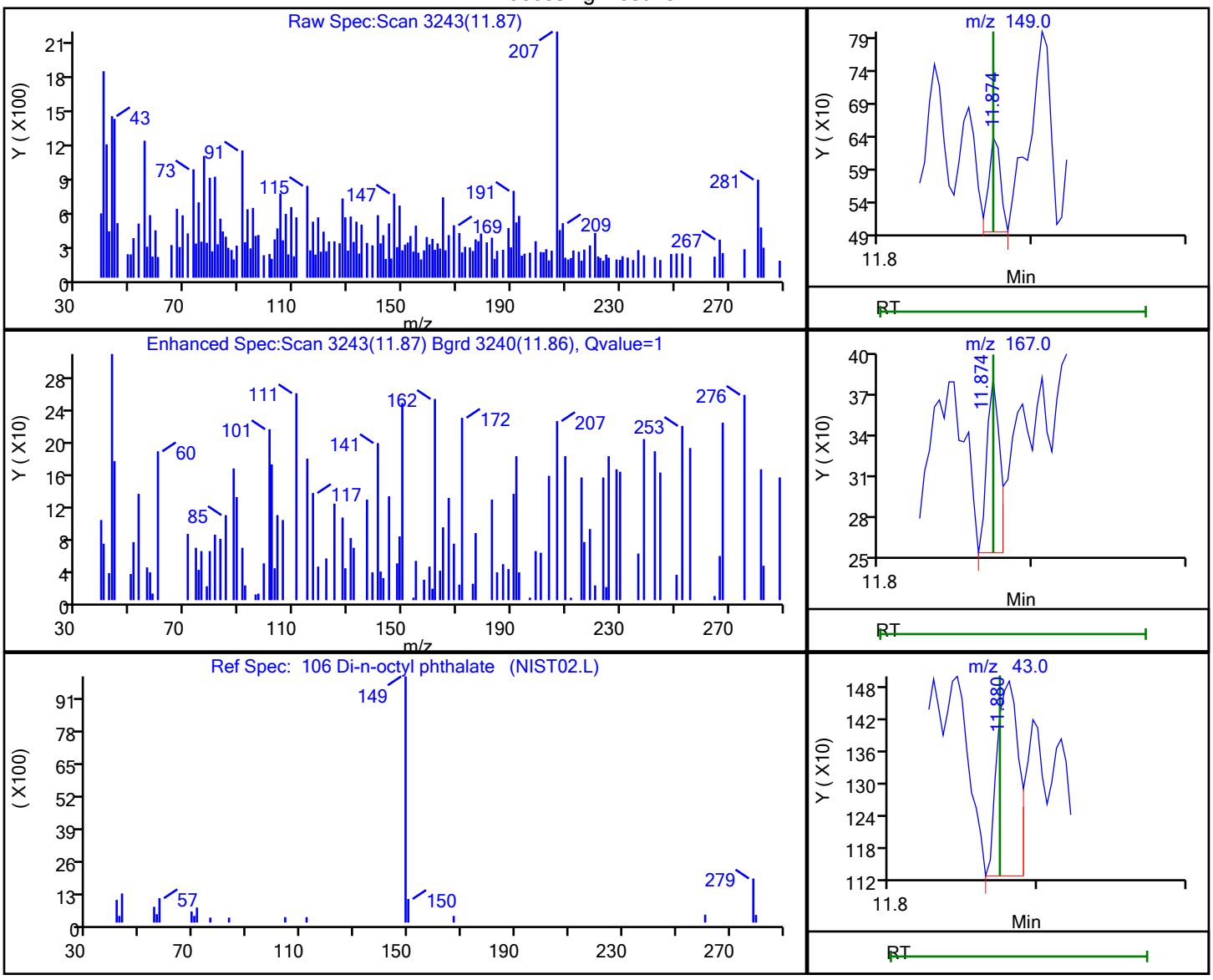
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.87	149.00	77	0.000660
11.87	167.00	74	
11.88	43.00	371	

Reviewer: G4KC, 22-Mar-2024 15:06:32 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

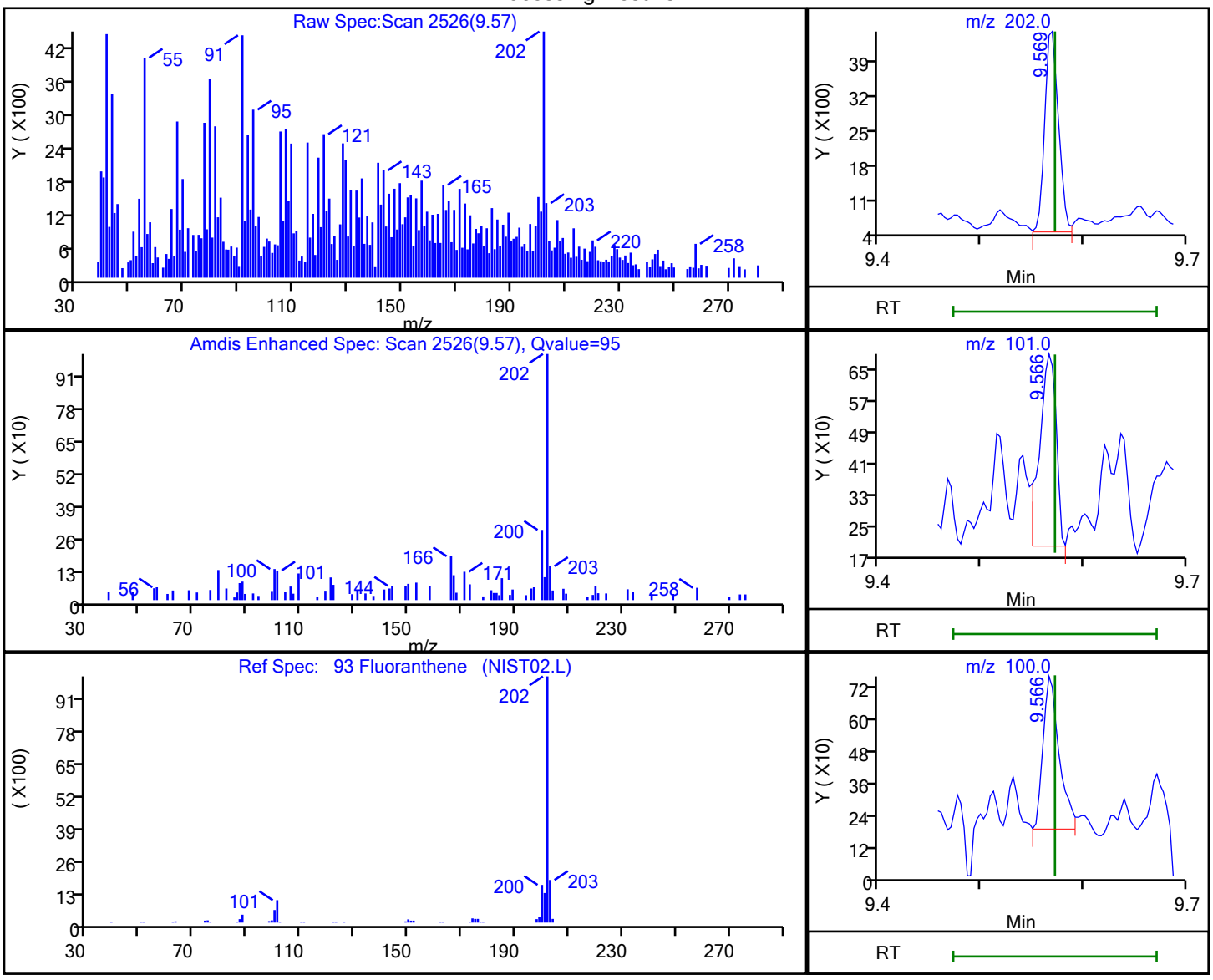
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

93 Fluoranthene, CAS: 206-44-0

Processing Results



RT	Mass	Response	Amount
9.57	202.00	3755	0.027572
9.57	101.00	546	
9.57	100.00	630	

Reviewer: G4KC, 22-Mar-2024 15:06:24 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

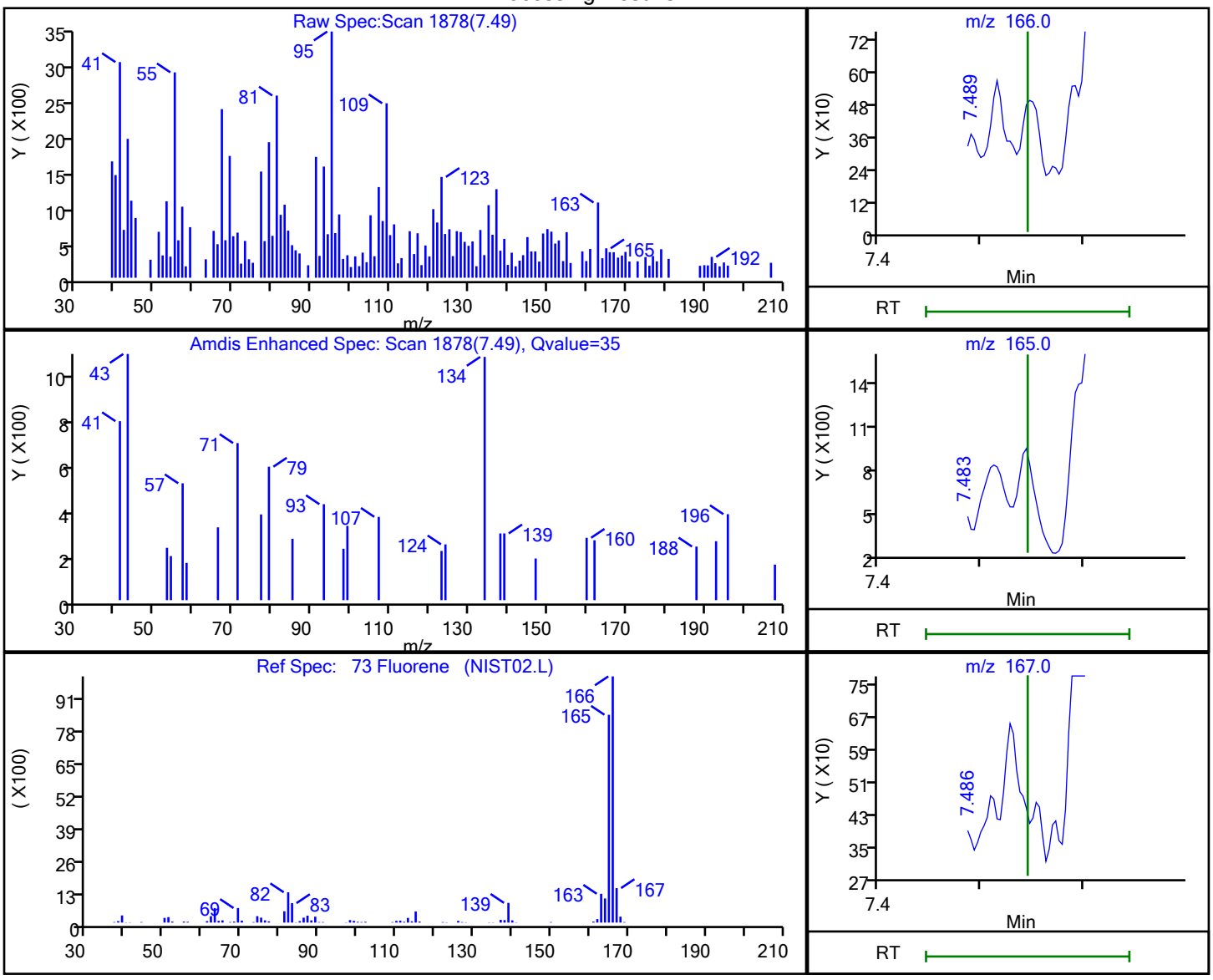
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

73 Fluorene, CAS: 86-73-7

Processing Results



RT	Mass	Response	Amount
7.49	166.00	348	0.003322
7.48	165.00	195	
7.49	167.00	62	

Reviewer: G4KC, 22-Mar-2024 15:06:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

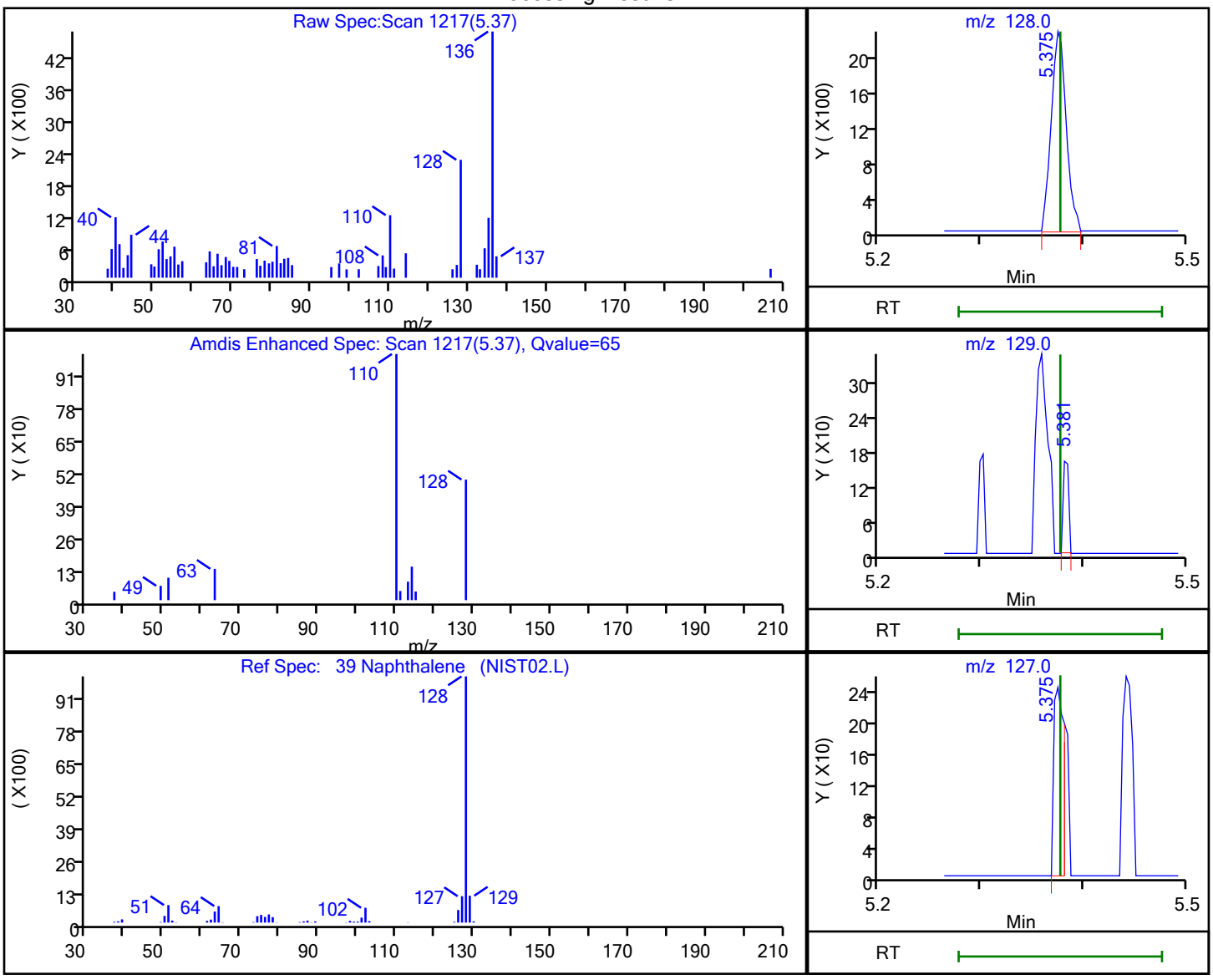
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.37	128.00	2251	0.015268
5.38	129.00	60	
5.37	127.00	167	

Reviewer: G4KC, 22-Mar-2024 15:07:12 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

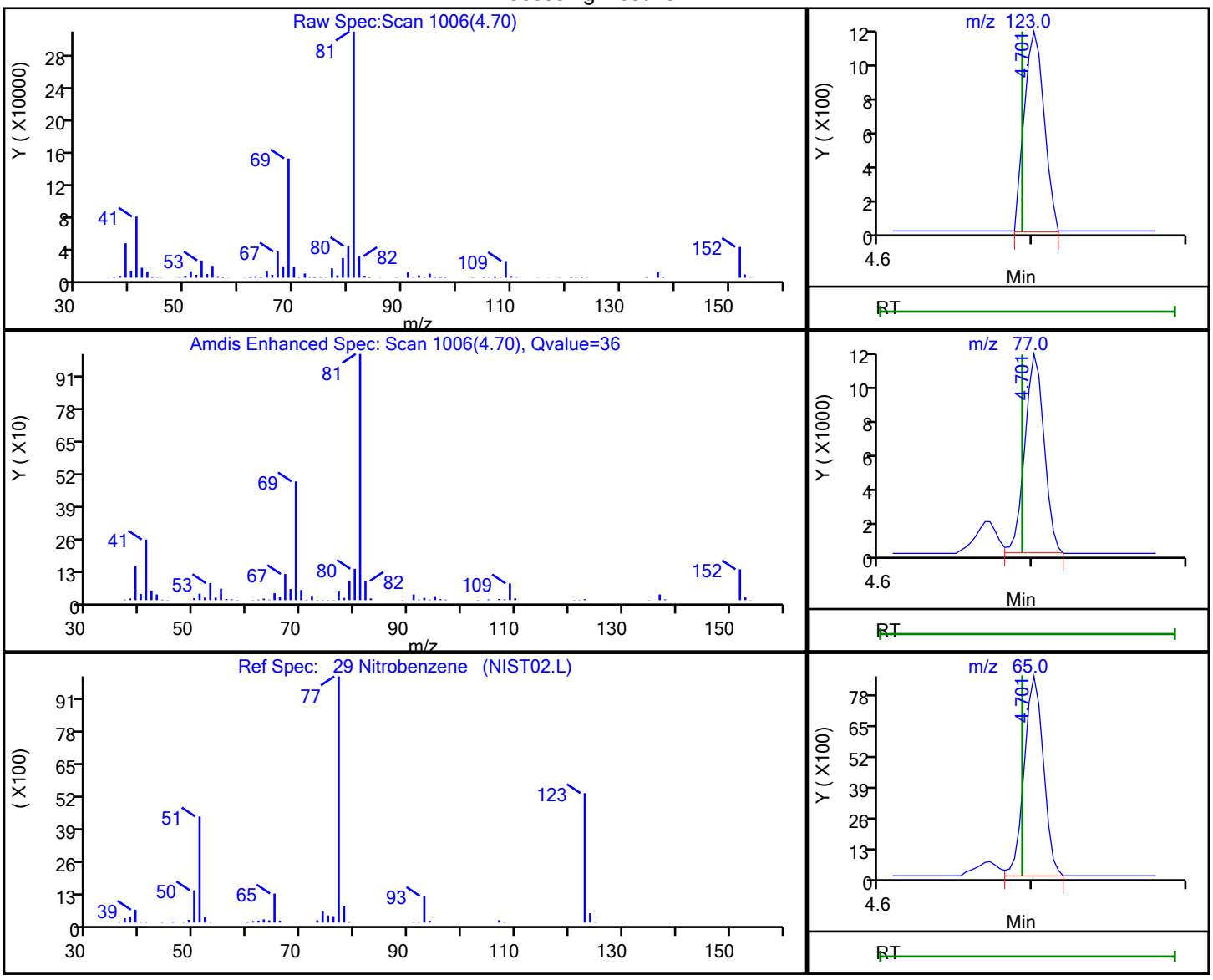
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

29 Nitrobenzene, CAS: 98-95-3

Processing Results



RT	Mass	Response	Amount
4.70	123.00	1059	0.044825
4.70	77.00	10276	
4.70	65.00	7520	

Reviewer: G4KC, 22-Mar-2024 15:07:22 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

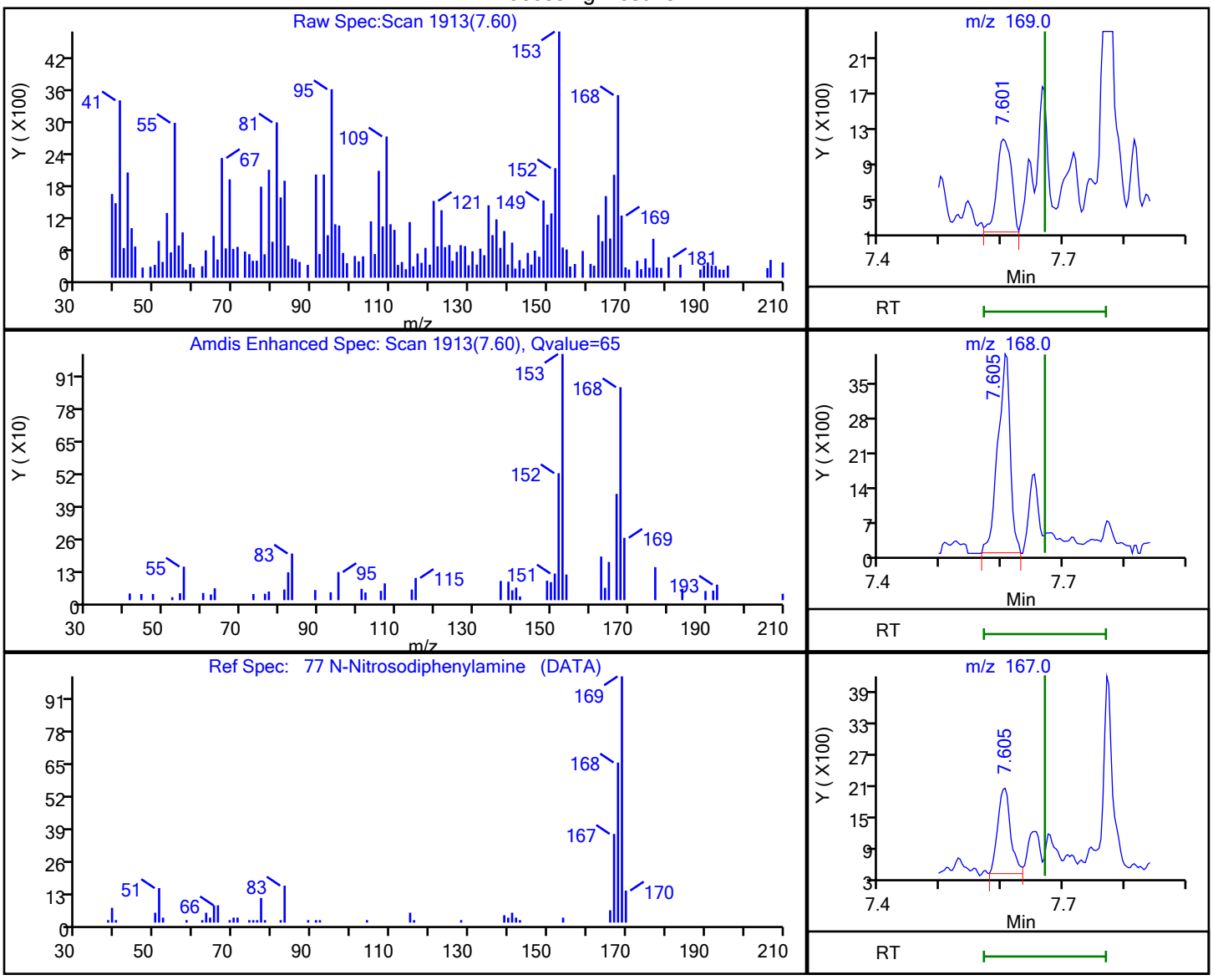
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

77 N-Nitrosodiphenylamine, CAS: 86-30-6

Processing Results



RT	Mass	Response	Amount
7.60	169.00	1650	0.022392
7.60	168.00	5745	
7.60	167.00	2410	

Reviewer: G4KC, 22-Mar-2024 15:06:45 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

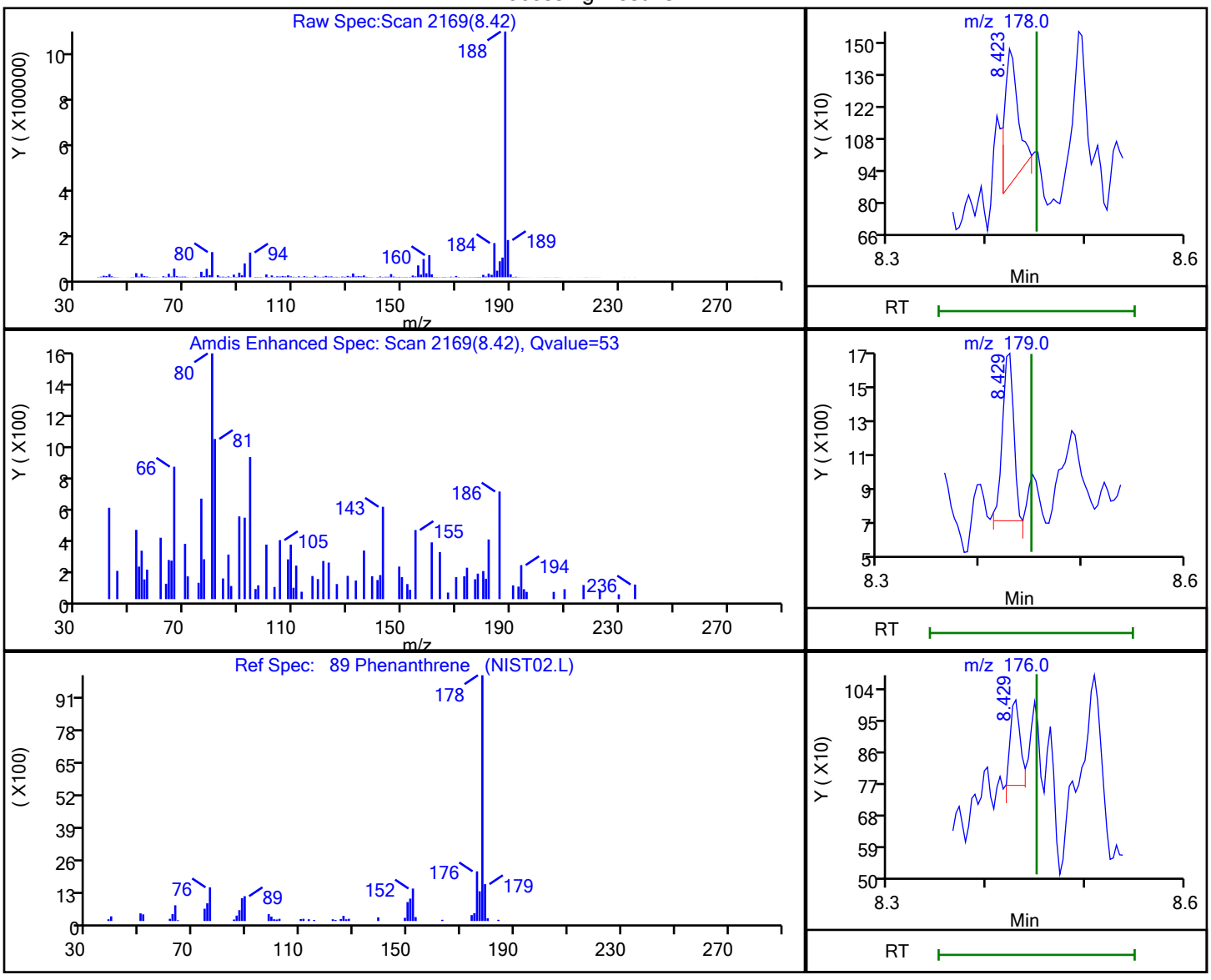
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8

Processing Results



RT	Mass	Response	Amount
8.42	178.00	540	0.003771
8.43	179.00	743	
8.43	176.00	169	

Reviewer: G4KC, 22-Mar-2024 15:06:20 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

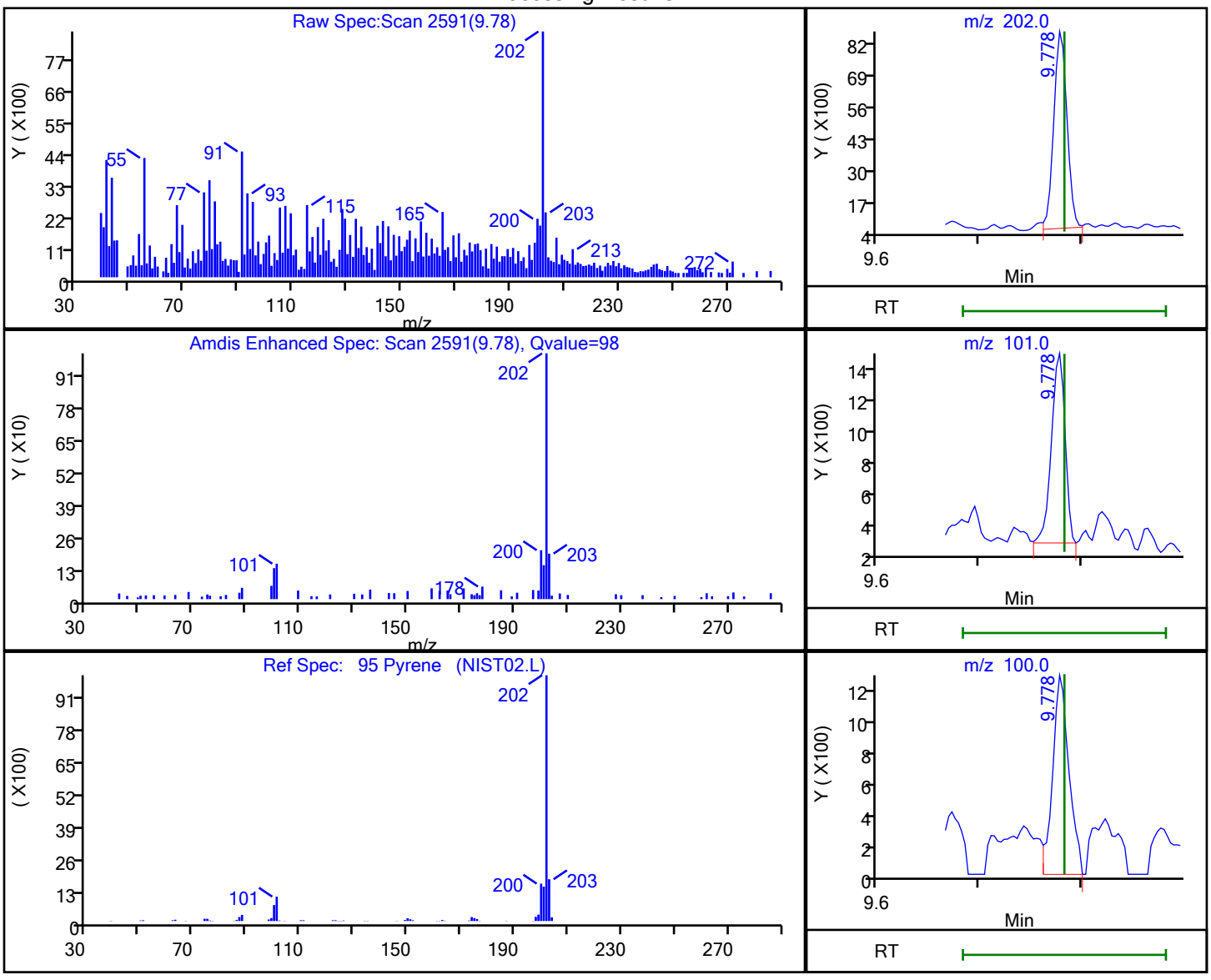
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84275.D				
Injection Date:	22-Mar-2024 14:34:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	26	Worklist Smp#:	26
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

95 Pyrene, CAS: 129-00-0

Processing Results



RT	Mass	Response	Amount
9.78	202.00	7296	0.053677
9.78	101.00	1120	
9.78	100.00	1359	

Reviewer: G4KC, 22-Mar-2024 15:06:25 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5722	0.5192	0.5547	0.5450 0.5535	0.5719	Ave		0.5527			0.0100	3.6		20.0			
N-Nitrosodimethylamine	0.8696	0.8088	0.8568	0.8028 0.8513	0.8403	Ave		0.8383			0.0100	3.2		20.0			
Pyridine	1.1469 1.4183	1.1719 1.1108	1.4091	1.3444 1.3010	1.4728	Ave		1.2969			0.0100	10.6		20.0			
Benzaldehyde	1.0377	0.9140 +++++	0.9380 +++++	0.9756 +++++	1.0276	Ave		0.9786			0.0100	5.5		20.0			
Aniline	1.9576	1.7519	1.8902	1.7244 1.7665	1.9184	Ave		1.8348			0.0100	5.4		20.0			
Phenol	1.8118	1.6570	1.7907	1.6452 1.7848	1.7716	Ave		1.7435			0.8000	4.2		20.0			
Bis(2-chloroethyl)ether	1.2791 1.4173	1.2597 1.3092	1.3812	1.3640 1.3576	1.4208	Ave		1.3486			0.7000	4.5		20.0			
2-Chlorophenol	1.4932	1.3438	1.4780	1.3242 1.4501	1.4222	Ave		1.4186			0.8000	4.9		20.0			
n-Decane	1.1691	1.1233	1.1594	1.1031 1.1564	1.1779	Ave		1.1482			0.0100	2.5		20.0			
1,3-Dichlorobenzene	1.6441	1.5185	1.6239	1.6415 1.6021	1.6698	Ave		1.6167			0.0100	3.3		20.0			
1,4-Dichlorobenzene	1.6903	1.5476	1.6660	1.6426 1.6513	1.6893	Ave		1.6478			0.0100	3.2		20.0			
Benzyl alcohol	0.9232	0.8914	0.9598	0.8057 0.9631	0.8804	Ave		0.9039			0.0100	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.6022	1.4918	1.5966	1.4898 1.5851	1.6117	Ave		1.5629			0.0100	3.6		20.0			
2,2'-oxybis[1-chloropropane]	1.5068	1.3883	1.4233	1.4127 1.4134	1.4707	Ave		1.4359			0.0100	3.1		20.0			
2-Methylphenol	1.2864	1.1959	1.2893	1.1554 1.2900	1.2944	Ave		1.2519			0.7000	4.8		20.0			
N-Methylaniline	1.4996 2.1210	1.6809 2.1069	2.2264	1.9594 2.2592	2.0534	Ave		1.9884			0.0100	13.4		20.0			
Acetophenone	2.0115	1.9027	1.9931	1.8085 2.0071	1.9942	Ave		1.9529			0.0100	4.2		20.0			
N-Nitrosodi-n-propylamine	0.7574 0.9522	0.7341 0.8887	0.9427	0.8830 0.9434	0.9384	Ave		0.8800			0.5000	9.9		20.0			
3 & 4 Methylphenol	1.4140	1.2734	1.3752	1.2447 1.3599	1.3750	Ave		1.3404			0.0100	4.9		20.0			
4-Methylphenol	1.4140	1.2741	1.3732	1.2447 1.3586	1.3750	Ave		1.3399			0.6000	4.9		20.0			
Hexachloroethane	0.5190 0.5935	0.5057 0.5598	0.5911	0.5561 0.5802	0.5867	Ave		0.5615			0.3000	6.0		20.0			
n,n'-Dimethylaniline	1.9721 2.1741	2.0384 2.2196	2.3266	2.0710 2.4007	2.1880	Ave		2.1738			0.0100	6.7		20.0			
Nitrobenzene	0.5826 0.7514	0.6108 0.7032	0.7591	0.6902 0.7532	0.7427	Ave		0.6991			0.2000	9.8		20.0			
Isophorone	0.6484	0.4996 0.5867	0.6418	0.5659 0.6308	0.6049	Ave		0.5969			0.4000	8.8		20.0			
2-Nitrophenol	0.2044	0.1877	0.2050	0.1771 0.1994	0.1845	Ave		0.1930			0.1000	6.0		20.0			
2,4-Dimethylphenol	0.3066	0.2999	0.3066	0.2744 0.2965	0.2882	Ave		0.2954			0.2000	4.2		20.0			
Bis(2-chloroethoxy)methane	0.4370	0.3959	0.4270	0.3964 0.4156	0.4202	Ave		0.4153			0.3000	4.0		20.0			
Benzoic acid	0.2001	0.1840	0.2297	0.1451 0.2271	0.1593	Ave		0.1909			0.0100	18.2		20.0			
2,4-Dichlorophenol	0.3125	0.2847	0.3113	0.2794 0.3040	0.2943	Ave		0.2977			0.2000	4.7		20.0			
1,2,4-Trichlorobenzene	0.3317 0.3519	0.3208 0.3180	0.3481	0.3390 0.3406	0.3472	Ave		0.3371			0.0100	3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0233 1.1471	1.0626 1.0557	1.1239	1.1203 1.0926	1.1263	Ave		1.0940			0.7000	3.9		20.0			
4-Chloroaniline	0.3101 0.4474	0.3772 0.3900	0.4227	0.4116 0.3893	0.4276	Ave		0.3970			0.0100	10.6		20.0			
2,6-Dichlorophenol	0.3105	0.2837	0.3097	0.2859 0.3039	0.2993	Ave		0.2988				3.9		20.0			
Hexachlorobutadiene	0.1892 0.1935	0.1714 0.1716	0.1933	0.1868 0.1905	0.1906	Ave		0.1859			0.0100	4.9		20.0			
Caprolactam	0.0777	0.0413 0.0746	0.0576 0.0810	0.0657 0.0824	0.0711	Lin2	-0.008	0.0787			0.0100				0.9970		0.9900
4-Chloro-3-methylphenol	0.2992	0.2728	0.2925	0.2540 0.2860	0.2809	Ave		0.2809			0.2000	5.7		20.0			
2-Methylnaphthalene	0.7494	0.6533 0.6631	0.7263	0.7070 0.7053	0.7273	Ave		0.7045			0.4000	5.0		20.0			
1-Methylnaphthalene	0.6975	0.6499 0.6251	0.6661	0.6625 0.6449	0.6762	Ave		0.6603			0.0100	3.5		20.0			
Hexachlorocyclopentadiene	0.4315	0.4254	0.4438	0.3747 0.4498	0.3966	Ave		0.4203			0.0500	6.9		20.0			
1,2,4,5-Tetrachlorobenzene	0.6466	0.5972	0.6596	0.6047 0.6371	0.6205	Ave		0.6276			0.0100	3.9		20.0			
2-tertbutyl-4-methylphenol	0.4205	0.3206 0.4125	0.4442	0.3740 0.4510	0.3948	Ave		0.4025			0.0100	11.2		20.0			
2,4,6-Trichlorophenol	0.4163	0.3354 0.3877	0.4199	0.3647 0.4066	0.3922	Ave		0.3890			0.2000	7.8		20.0			
2,4,5-Trichlorophenol	0.4442	0.4149	0.4527	0.3963 0.4444	0.4159	Ave		0.4281			0.2000	5.2		20.0			
1,1'-Biphenyl	1.7051	1.5943	1.6879	1.6305 1.6541	1.6559	Ave		1.6546			0.0100	2.4		20.0			
2-Chloronaphthalene	1.3268	1.2191	1.3068	1.2723 1.2793	1.3005	Ave		1.2841			0.8000	2.9		20.0			
Phenyl ether	0.8680	0.8618	0.9084	0.8362 0.9117	0.8476	Ave		0.8723			0.0100	3.6		20.0			
2-Nitroaniline	0.2990	0.2910	0.3073	0.2523 0.3086	0.2822	Ave		0.2901			0.0100	7.2		20.0			
1,3-Dimethylnaphthalene	0.9791	0.9843	1.0382	0.8942 1.0443	0.9534	Ave		0.9823			0.0100	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.4085	1.2821	1.3868	1.2939 1.3464	1.3852	Ave		1.3505			0.0100	3.9		20.0			
Coumarin	0.2340	0.2225	0.2315	0.2119 0.2352	0.2247	Ave		0.2266			0.0100	3.9		20.0			
2,6-Dinitrotoluene	0.3080	0.2273 0.2869	0.3068	0.2681 0.3041	0.2908	Ave		0.2845			0.2000	10.2		20.0			
Acenaphthylene	2.1329	1.8167	2.0821	1.9587 1.9647	2.0460	Ave		2.0002			0.9000	5.6		20.0			
3-Nitroaniline	0.3311	0.3087	0.3358	0.2659 0.3237	0.3129	Ave		0.3130			0.0100	8.1		20.0			
Acenaphthene	1.2206	1.1582	1.1995	1.1881 1.1792	1.2164	Ave		1.1937			0.9000	2.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0844	1.1172	1.1630	1.0051 1.1861	1.0357	Ave		1.0986			0.0100	6.4		20.0			
2,4-Dinitrophenol	0.1915	0.1805	0.2124	0.1279 0.2110	0.1646	Ave		0.1813			0.0100	17.6		20.0			
2,4-Dinitrotoluene	0.3887	0.2412 0.3700	0.4081	0.3195 0.4005	0.3619	Ave		0.3557			0.2000	16.4		20.0			
Dibenzofuran	1.8416	1.7137	1.8144	1.7674 1.7473	1.8420	Ave		1.7877			0.8000	3.0		20.0			
4-Nitrophenol	0.2188	0.2030	0.2183	0.1688 0.2159	0.2057	Ave		0.2051			0.0100	9.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3555	0.3266	0.3573	0.3112 0.3509	0.3421	Ave		0.3406			0.0100	5.4		20.0			
Diethyl phthalate	1.3531	1.2373	1.3437	1.2530 1.3152	1.3638	Ave		1.3110			0.0100	4.1		20.0			
Fluorene	1.4602	1.3386	1.4253	1.4191 1.3923	1.4385	Ave		1.4123			0.9000	3.0		20.0			
4-Chlorophenyl phenyl ether	0.7111	0.6446	0.7032	0.6889 0.6864	0.6980	Ave		0.6887			0.4000	3.4		20.0			
4-Nitroaniline	0.2979	0.2796	0.3109	0.2233 0.3028	0.2720	Ave		0.2811			0.0100	11.3		20.0			
4,6-Dinitro-2-methylphenol	0.1340	0.1348	0.1501	0.1015 0.1497	0.1239	Ave		0.1323			0.0100	13.7		20.0			
N-Nitrosodiphenylamine	0.5796	0.5468	0.5902	0.5307 0.5792	0.5582	Ave		0.5641			0.0100	4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.7508	0.7131	0.7703	0.6683 0.7742	0.7238	Ave		0.7334			0.0100	5.5		20.0			
Azobenzene	0.7508	0.7135	0.7705	0.6675 0.7743	0.7245	Ave		0.7335				5.5		20.0			
4-Bromophenyl phenyl ether	0.2407	0.2206	0.2439	0.2227 0.2403	0.2347	Ave		0.2338			0.1000	4.2		20.0			
Hexachlorobenzene	0.2593 0.3012	0.2738 0.2662	0.3037	0.2793 0.3004	0.2989	Ave		0.2853			0.1000	6.2		20.0			
Atrazine	0.1835	0.1414 0.1736	0.1422 0.1981	0.1649 0.1933	0.1775	Ave		0.1718			0.0100	12.4		20.0			
Pentachloronitrobenzene	0.0876	0.0895	0.0975	0.0792 0.0998	0.0835	Ave		0.0895			0.0100	8.9		20.0			
Pentachlorophenol	0.1656	0.1576	0.1839	0.1309 0.1892	0.1501	Ave		0.1629			0.0500	13.3		20.0			
n-Octadecane	0.4680	0.4615	0.4881	0.4066 0.4819	0.4388	Ave		0.4575			0.0100	6.6		20.0			
Phenanthrene	1.1204	1.0323	1.1054	1.0785 1.1031	1.1379	Ave		1.0963			0.7000	3.4		20.0			
Anthracene	1.1381	1.0554	1.1421	1.0424 1.1258	1.1261	Ave		1.1050			0.7000	4.0		20.0			
Carbazole	0.9925	0.9173	0.9806	0.8939 0.9693	0.9645	Ave		0.9530			0.0100	4.1		20.0			
Di-n-butyl phthalate	1.1326	1.0987	1.2237	0.9632 1.2091	1.0631	Ave		1.1151			0.0100	8.7		20.0			
Fluoranthene	1.0685	0.9651 0.9947	1.0913	1.0119 1.0960	1.0709	Ave		1.0426			0.6000	4.9		20.0			
Benzidine	0.4999	0.3876	0.5527	0.4066 0.5623	0.4647	Ave		0.4790			0.0100	15.2		20.0			
Pyrene	1.6370	1.4495 1.4566	1.5680	1.6044 1.4907	1.5867	Ave		1.5418			0.6000	4.9		20.0			
Bisphenol-A	0.5636	0.5659	0.6124	0.4712 0.6161	0.5152	Ave		0.5574				10.1		20.0			
Butyl benzyl phthalate	0.5897	0.5808	0.6400	0.4887 0.6385	0.5346	Ave		0.5787			0.0100	10.2		20.0			
2,3,7,8-TCDD		0.2407				Ave		0.2407			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.3563	0.4175	0.4696	0.2507 0.4974	0.2844	Lin1	-0.338	0.4895			0.0100	12.7					
3,3'-Dichlorobenzidine	0.4867	0.3465 0.4737	0.5441	0.4025 0.5518	0.4472	Ave		0.4646			0.0100	15.9		20.0			
Benzo[a]anthracene	1.2853 1.3400	1.2148 1.2652	1.3767	1.2842 1.3577	1.3161	Ave		1.3050			0.8000	4.1		20.0			
Chrysene	1.2671	1.1936 1.1429	1.2541	1.2081 1.2334	1.2283	Ave		1.2182			0.7000	3.4		20.0			
Bis(2-ethylhexyl) phthalate	0.8271	0.5466 0.8281	0.9048	0.6581 0.8886	0.7297	Ave		0.7690			0.0100	17.0		20.0			
Di-n-octyl phthalate	1.3307	1.3651	1.4659	1.0192 1.4289	1.1922	Ave		1.3003			0.0100	12.9		20.0			
Benzo[b]fluoranthene	1.1811 1.2997	1.1765 1.1976	1.2851	1.2011 1.2666	1.2354	Ave		1.2304			0.7000	3.9		20.0			
Benzo[k]fluoranthene	1.2195 1.3885	1.0967 1.1976	1.3048	1.2458 1.2916	1.3245	Ave		1.2586			0.7000	7.1		20.0			
Benzo[a]pyrene	0.9796 1.1261	0.9630 1.0615	1.1652	1.0078 1.1816	1.1220	Ave		1.0759			0.7000	7.9		20.0			
Indeno[1,2,3-cd]pyrene	0.9988 1.1604	1.0014 1.1771	1.2022	1.0620 1.2028	1.1300	Ave		1.1168			0.5000	7.6		20.0			
Dibenz(a,h)anthracene	1.1092 1.3031	1.1329 1.1943	1.3214	1.1597 1.3125	1.2735	Ave		1.2258			0.4000	7.1		20.0			
Benzo[g,h,i]perylene	1.2926	1.1832	1.2809	1.1863 1.2888	1.2236	Ave		1.2426			0.5000	4.1		20.0			
2-Fluorophenol (Surr)	1.2968	1.0572 1.2986	1.3682	1.1964 1.4359	1.2880	Ave		1.2773			0.0100	9.6		20.0			
Phenol-d5 (Surr)	1.2228 1.5549	1.2941 1.5890	1.6964	1.4553 1.7628	1.5623	Ave		1.5172			0.0100	12.2		20.0			
Nitrobenzene-d5 (Surr)	0.2736 0.3373	0.2711 0.3371	0.3582	0.3162 0.3701	0.3288	Ave		0.3240			0.0100	11.1		20.0			
2-Fluorobiphenyl	1.3668 1.5013	1.3997 1.4796	1.5705	1.4310 1.5821	1.4806	Ave		1.4765			0.0100	5.2		20.0			
2,4,6-Tribromophenol (Surr)	0.2524	0.2114 0.2565	0.2775	0.2268 0.2902	0.2473	Ave		0.2517			0.0100	10.8		20.0			
Terphenyl-d14 (Surr)	1.0774 1.2718	1.1324 1.2167	1.2929	1.2169 1.3098	1.2277	Ave		1.2182			0.0100	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	103141	245954	412313	24808 566869	50706	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodimethylamine	DCBd4	Ave	156760	383180	636902	36544 871821	74503	4.00	10.0	16.0	1.00 24.0	2.00
Pyridine	DCBd4	Ave	9383 511337	21937 1052501	2094919	122399 2664731	261157	0.200 8.00	0.400 20.0	32.0	2.00 48.0	4.00
Benzaldehyde	DCBd4	Ave	149646	8555 +++++	17020 +++++	44409 +++++	91105	3.20	0.200 +++++	0.400 +++++	1.00 +++++	2.00
Aniline	DCBd4	Ave	352892	829977	1405123	78497 1809055	170083	4.00	10.0	16.0	1.00 24.0	2.00
Phenol	DCBd4	Ave	326605	785034	1331176	74893 1827747	157069	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethyl)ether	DCBd4	Ave	5232 255487	11791 620260	1026757	62089 1390255	125969	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Chlorophenol	DCBd4	Ave	269179	636657	1098713	60280 1485027	126094	4.00	10.0	16.0	1.00 24.0	2.00
n-Decane	DCBd4	Ave	210749	532172	861867	50215 1184261	104434	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd4	Ave	296386	719394	1207146	74722 1640708	148050	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd4	Ave	304714	733191	1238446	74773 1691007	149773	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd4	Ave	166425	422304	713453	36677 986236	78058	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd4	Ave	288827	706755	1186898	67817 1623248	142892	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	271622	657733	1058069	64308 1447422	130391	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd4	Ave				52594	114763				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			231906	566581	958424	1321006		4.00	10.0	16.0	24.0	
N-Methylaniline	DCBd4	Ave	6134	15733		89196	182059	0.100	0.200		1.00	2.00
			382354	998156	1655047	2313631		4.00	10.0	16.0	24.0	
Acetophenone	DCBd4	Ave				82324	176805				1.00	2.00
			362614	901437	1481647	2055397		4.00	10.0	16.0	24.0	
N-Nitrosodi-n-propylamine	DCBd4	Ave	3098	6871		40193	83203	0.100	0.200		1.00	2.00
			171661	421010	700757	966066		4.00	10.0	16.0	24.0	
3 & 4 Methylphenol	DCBd4	Ave				56662	121910				1.00	2.00
			254897	603273	1022294	1392670		4.00	10.0	16.0	24.0	
4-Methylphenol	DCBd4	Ave				56662	121910				1.00	2.00
			254897	603612	1020833	1391267		4.00	10.0	16.0	24.0	
Hexachloroethane	DCBd4	Ave	2123	4733		25314	52013	0.100	0.200		1.00	2.00
			106992	265221	439399	594140		4.00	10.0	16.0	24.0	
n,n'-Dimethylaniline	DCBd4	Ave	8067	19079		94274	193989	0.100	0.200		1.00	2.00
			391914	1051542	1729500	2458518		4.00	10.0	16.0	24.0	
Nitrobenzene	DCBd4	Ave	2383	5717		31418	65847	0.100	0.200		1.00	2.00
			135460	333134	564283	771291		4.00	10.0	16.0	24.0	
Isophorone	NPT	Ave		18480		102118	216612		0.200		1.00	2.00
			459350	1103887	1871891	2570769		4.00	10.0	16.0	24.0	
2-Nitrophenol	NPT	Ave				31950	66076				1.00	2.00
			144813	353180	597839	812740		4.00	10.0	16.0	24.0	
2,4-Dimethylphenol	NPT	Ave				49514	103207				1.00	2.00
			217218	564293	894262	1208253		4.00	10.0	16.0	24.0	
Bis(2-chloroethoxy)methane	NPT	Ave				71524	150488				1.00	2.00
			309546	744783	1245206	1693652		4.00	10.0	16.0	24.0	
Benzoic acid	NPT	Ave				26191	57056				1.00	2.00
			141749	346238	669959	925584		4.00	10.0	16.0	24.0	
2,4-Dichlorophenol	NPT	Ave				50413	105392				1.00	2.00
			221406	535574	907932	1238744		4.00	10.0	16.0	24.0	
1,2,4-Trichlorobenzene	NPT	Ave	5379	11864		61164	124336	0.100	0.200		1.00	2.00
			249276	598200	1015063	1388029		4.00	10.0	16.0	24.0	
Naphthalene	NPT	Ave	16594	39304		202151	403320	0.100	0.200		1.00	2.00
			812569	1986229	3277798	4452618		4.00	10.0	16.0	24.0	
4-Chloroaniline	NPT	Ave	5028	13953		74268	153119	0.100	0.200		1.00	2.00
			316902	733812	1232855	1586382		4.00	10.0	16.0	24.0	
2,6-Dichlorophenol	NPT	Ave				51585	107184				1.00	2.00
			219977	533700	903092	1238416		4.00	10.0	16.0	24.0	
Hexachlorobutadiene	NPT	Ave	3068	6340		33715	68269	0.100	0.200		1.00	2.00
			137107	322853	563607	776149		4.00	10.0	16.0	24.0	
Caprolactam	NPT	Lin2		1528	4146	11851	25461		0.200	0.400	1.00	2.00
			44061	56157	70864	89597		3.20	4.00	4.80	6.40	

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	211953	513229	853027	45832 1165541	100576	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave	530846	24166 1247541	2118120	127571 2874464	260464	4.00	0.200 10.0	16.0	1.00 24.0	2.00
1-Methylnaphthalene	NPT	Ave	494117	24037 1176039	1942747	119543 2627996	242148	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	163741	416013	672129	36886 950573	76641	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	245380	584060	999005	59521 1346408	119925	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	297866	11860 776154	1295462	67479 1837833	141396	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	157999	6688 379202	635892	35905 859171	75798	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	168578	405742	685630	39014 939245	80374	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	647051	1559208	2556370	160507 3495492	320039	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	503523	1192254	1979282	125246 2703473	251351	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	329383	842862	1375865	82319 1926702	163820	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	113486	284572	465371	24833 652150	54548	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	371572	962636	1572336	88027 2206961	184259	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	534518	1253900	2100385	127371 2845270	267716	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	165795	418541	675173	38235 958439	80478	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	116865	4532 280549	464675	26390 642562	56194	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	809411	1776702	3153457	192808 4151906	395428	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	125646	301864	508513	26178 684006	60477	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave	463216	1132717	1816726	116951 2492054	235101	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	411525	1092615	1761404	98936 2506663	200172	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dinitrophenol	ANT	Ave				25186	63614				2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			145350	353023	643270	891818		8.00	20.0	32.0	48.0	
2,4-Dinitrotoluene	ANT	Ave	147514	4810 361874	618101	31451 846333	69937	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenzofuran	ANT	Ave	698867	1676005	2748001	173983 3692493	355996	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitrophenol	ANT	Ave	166053	397070	661127	33226 912363	79500	8.00	20.0	32.0	2.00 48.0	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	134925	319419	541188	30632 741606	66120	4.00	10.0	16.0	1.00 24.0	2.00
Diethyl phthalate	ANT	Ave	513468	1210103	2035085	123340 2779425	263571	4.00	10.0	16.0	1.00 24.0	2.00
Fluorene	ANT	Ave	554125	1309111	2158742	139690 2942259	278018	4.00	10.0	16.0	1.00 24.0	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	269869	630407	1065097	67817 1450629	134894	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitroaniline	ANT	Ave	113042	273495	470848	21980 639849	52576	4.00	10.0	16.0	1.00 24.0	2.00
4,6-Dinitro-2-methylphenol	PHN	Ave	174455	446331	754847	35349 1042590	83673	8.00	20.0	32.0	2.00 48.0	4.00
N-Nitrosodiphenylamine	PHN	Ave	377233	905102	1483685	92418 2017586	188492	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Diphenylhydrazine	PHN	Ave	488679	1180345	1936296	116382 2696777	244414	4.00	10.0	16.0	1.00 24.0	2.00
Azobenzene	PHN	Ave	488679	1180939	1936704	116240 2697072	244635	4.00	10.0	16.0	1.00 24.0	2.00
4-Bromophenyl phenyl ether	PHN	Ave	156676	365138	613174	38781 836975	79245	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobenzene	PHN	Ave	4237 196024	9823 440582	763332	48646 1046316	100916	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Atrazine	PHN	Ave	95528	5074 114964	10113 149371	28711 179540	59931	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Pentachloronitrobenzene	PHN	Ave	56984	148144	245000	13794 347550	28182	4.00	10.0	16.0	1.00 24.0	2.00
Pentachlorophenol	PHN	Ave	215566	521726	924356	45601 1318316	101369	8.00	20.0	32.0	2.00 48.0	4.00
n-Octadecane	PHN	Ave	304577	763915	1226909	70807 1678742	148157	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	729215	1708601	2778672	187820 3842349	384246	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	740727	1746850	2870919	181541 3921358	380250	4.00	10.0	16.0	1.00 24.0	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	645950	1518301	2464899	155683 3376217	325686	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	737185	1818560	3076035	167749 4211709	358989	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	695418	34625 1646447	2743157	176222 3817720	361636	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	325391	641569	1389413	70810 1958674	156919	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	725654	33392 1701967	2841263	185319 3882809	372786	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Ave	249816	661295	1109667	54429 1604776	121033	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	261422	678656	1159736	56447 1663063	125591	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		2813					0.100			
Carbamazepine	CRY	Lin1	157947	487853	850876	28955 1295661	66812	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	215743	7982 553499	985930	46492 1437280	105054	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	13985 594018	27987 1478367	2494662	148328 3536375	309193	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	561697	27497 1335491	2272571	139538 3212513	288582	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	366632	12592 967573	1639556	76009 2314427	171445	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	584172	1619266	2701794	113831 3851403	270915	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	12603 570555	25825 1420586	2368567	134137 3414054	280729	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[k]fluoranthene	PRY	Ave	13012 609560	24073 1420549	2404939	139133 3481326	300978	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	10453 494338	21139 1259118	2147583	112559 3184942	254959	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	10657 509393	21982 1396229	2215706	118610 3242183	256783	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	11836 572048	24868 1416663	2435417	129524 3537781	289375	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	567466	1403491	2360785	132491 3473789	278054	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd4	Ave		9895		54461	114194		0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			233767	615214	1017068	1470499		4.00	10.0	16.0	24.0	
Phenol-d5 (Surr)	DCBd4	Ave	5002 280299	12113 752796	1261077	66245 1805195	138519	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	4436 238918	10026 634168	1044586	57066 1508288	117737	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	12364 569729	27913 1447079	2378676	140869 3343480	286156	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	 95765	4216 250895	420361	22328 613341	47802	 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	11722 563788	26088 1421742	2342854	140556 3411627	288427	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Caprolactam		2.3						30				
Carbamazepine				20.3						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 04-Mar-2024 11:22:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:27 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 11:47:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.713	1.713	0.000	92	245954	10.0	9.39	
2 N-Nitrosodimethylamine	74	1.924	1.924	0.000	95	383180	10.0	9.65	
3 Pyridine	79	1.997	1.997	0.000	96	1052501	20.0	17.1	
$ 4 2-Fluorophenol	112	3.058	3.058	0.000	97	615214	10.0	10.2	
5 Benzaldehyde	77	3.837	3.837	0.000	96	69876	4.00	1.51	
8 Aniline	93	3.949	3.949	0.000	99	829977	10.0	9.55	
$ 6 Phenol-d5	99	3.962	3.962	0.000	98	752796	10.0	10.5	
7 Phenol	94	3.975	3.975	0.000	98	785034	10.0	9.50	a
9 Bis(2-chloroethyl)ether	93	3.997	3.997	0.000	98	620260	10.0	9.71	
10 Benzonitrile	103	4.019	4.019	0.000	97	1213046	NC	NC	
11 2-Chlorophenol	128	4.070	4.070	0.000	98	636657	10.0	9.47	
12 n-Decane	43	4.090	4.090	0.000	89	532172	10.0	9.78	
13 1,3-Dichlorobenzene	146	4.192	4.192	0.000	97	719394	10.0	9.39	
* 14 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	95	379005	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.262	4.262	0.000	96	733191	10.0	9.39	
17 Benzyl alcohol	108	4.406	4.406	0.000	96	422304	10.0	9.86	
18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	706755	10.0	9.55	
21 2,2'-oxybis[1-chloropropane]	45	4.515	4.515	0.000	94	657733	10.0	9.67	
20 2-Methylphenol	108	4.537	4.537	0.000	91	566581	10.0	9.55	
22 N-Methylaniline	106	4.633	4.633	0.000	99	998156	10.0	10.6	a
23 Acetophenone	105	4.646	4.646	0.000	96	901437	10.0	9.74	
24 N-Nitrosodi-n-propylamine	70	4.652	4.652	0.000	85	421010	10.0	10.1	
26 4-Methylphenol	108	4.687	4.687	0.000	97	603612	10.0	9.51	
25 3 & 4 Methylphenol	108	4.687	4.687	0.000	62	603273	10.0	9.50	
27 Hexachloroethane	117	4.729	4.729	0.000	95	265221	10.0	9.97	
$ 28 Nitrobenzene-d5	82	4.783	4.783	0.000	85	634168	10.0	10.4	
29 Nitrobenzene	123	4.803	4.803	0.000	83	333134	10.0	10.1	
30 n,n'-Dimethylaniline	120	4.803	4.803	0.000	88	1051542	10.0	10.2	
31 Isophorone	82	5.049	5.049	0.000	99	1103887	10.0	9.83	
32 2-Nitrophenol	139	5.106	5.106	0.000	96	353180	10.0	9.73	
33 2,4-Dimethylphenol	122	5.183	5.183	0.000	92	564293	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.250	5.250	0.000	97	744783	10.0	9.53	
35 Benzoic acid	122	5.314	5.314	0.000	86	346238	10.0	9.64	
36 2,4-Dichlorophenol	162	5.365	5.365	0.000	97	535574	10.0	9.56	
37 1,2,4-Trichlorobenzene	180	5.413	5.413	0.000	94	598200	10.0	9.43	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1505123	8.00	8.00	
39 Naphthalene	128	5.487	5.487	0.000	99	1986229	10.0	9.65	
40 4-Chloroaniline	127	5.557	5.557	0.000	98	733812	10.0	9.83	
41 2,6-Dichlorophenol	162	5.564	5.564	0.000	97	533700	10.0	9.49	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	322853	10.0	9.23	
44 Caprolactam	113	5.931	5.931	0.000	95	56157	4.00	3.89	
45 4-Chloro-3-methylphenol	107	6.059	6.059	0.000	95	513229	10.0	9.71	
46 2-Methylnaphthalene	142	6.149	6.149	0.000	85	1247541	10.0	9.41	
47 1-Methylnaphthalene	142	6.241	6.241	0.000	93	1176039	10.0	9.47	
48 Hexachlorocyclopentadiene	237	6.299	6.299	0.000	97	416013	10.0	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.305	6.305	0.000	98	584060	10.0	9.52	
50 2-tertbutyl-4-methylphenol	149	6.369	6.369	0.000	92	776154	10.0	10.2	
51 2,4,6-Trichlorophenol	196	6.433	6.433	0.000	91	379202	10.0	9.97	
52 2,4,5-Trichlorophenol	196	6.488	6.488	0.000	99	405742	10.0	9.69	
$ 53 2-Fluorobiphenyl	172	6.501	6.501	0.000	97	1447079	10.0	10.0	
54 1,1'-Biphenyl	154	6.594	6.594	0.000	95	1559208	10.0	9.64	
55 2-Chloronaphthalene	162	6.610	6.610	0.000	99	1192254	10.0	9.49	
56 Phenyl ether	170	6.696	6.696	0.000	85	842862	10.0	9.88	
57 2-Nitroaniline	65	6.725	6.725	0.000	94	284572	10.0	10.0	
58 1,3-Dimethylnaphthalene	156	6.818	6.818	0.000	93	962636	10.0	10.0	
59 Dimethyl phthalate	163	6.904	6.904	0.000	100	1253900	10.0	9.49	
60 Coumarin	146	6.914	6.914	0.000	81	418541	10.0	9.82	
61 2,6-Dinitrotoluene	165	6.952	6.952	0.000	96	280549	10.0	10.1	
62 Acenaphthylene	152	7.000	7.000	0.000	98	1776702	10.0	9.08	
63 3-Nitroaniline	138	7.118	7.118	0.000	97	301864	10.0	9.86	
* 64 Acenaphthene-d10	164	7.134	7.134	0.000	95	782399	8.00	8.00	
65 Acenaphthene	154	7.166	7.166	0.000	95	1132717	10.0	9.70	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.166	7.166	0.000	97	1092615	10.0	10.2	
67 2,4-Dinitrophenol	184	7.211	7.211	0.000	95	353023	20.0	19.9	
69 2,4-Dinitrotoluene	165	7.330	7.330	0.000	95	361874	10.0	10.4	
70 Dibenzofuran	168	7.330	7.330	0.000	98	1676005	10.0	9.59	
68 4-Nitrophenol	65	7.349	7.349	0.000	90	397070	20.0	19.8	a
71 2,3,4,6-Tetrachlorophenol	232	7.461	7.461	0.000	95	319419	10.0	9.59	
72 Diethyl phthalate	149	7.573	7.573	0.000	98	1210103	10.0	9.44	
73 Fluorene	166	7.653	7.653	0.000	95	1309111	10.0	9.48	
74 4-Chlorophenyl phenyl ether	204	7.660	7.660	0.000	91	630407	10.0	9.36	
75 4-Nitroaniline	138	7.701	7.701	0.000	90	273495	10.0	9.95	
76 4,6-Dinitro-2-methylphenol	198	7.714	7.714	0.000	91	446331	20.0	20.4	
77 N-Nitrosodiphenylamine	169	7.778	7.778	0.000	99	905102	10.0	9.69	
78 1,2-Diphenylhydrazine	77	7.810	7.810	0.000	98	1180345	10.0	9.72	
131 Azobenzene	77	7.810	7.810	0.000	0	1180939	10.0	9.73	
$ 79 2,4,6-Tribromophenol	330	7.887	7.887	0.000	91	250895	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.121	8.121	0.000	94	365138	10.0	9.44	
82 Hexachlorobenzene	284	8.169	8.169	0.000	96	440582	10.0	9.33	
83 Atrazine	200	8.303	8.303	0.000	95	114964	4.00	4.04	
84 Pentachlorophenol	266	8.374	8.374	0.000	93	521726	20.0	19.4	
85 Pentachloronitrobenzene	237	8.374	8.374	0.000	65	148144	10.0	10.0	
87 n-Octadecane	57	8.464	8.464	0.000	88	763915	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.537	8.537	0.000	98	1324110	8.00	8.00	
89 Phenanthrene	178	8.560	8.560	0.000	97	1708601	10.0	9.42	
90 Anthracene	178	8.608	8.608	0.000	98	1746850	10.0	9.55	
91 Carbazole	167	8.774	8.774	0.000	96	1518301	10.0	9.63	
92 Di-n-butyl phthalate	149	9.120	9.120	0.000	99	1818560	10.0	9.85	
93 Fluoranthene	202	9.680	9.680	0.000	97	1646447	10.0	9.54	
94 Benzidine	184	9.828	9.828	0.000	100	641569	10.0	8.09	
95 Pyrene	202	9.892	9.892	0.000	97	1701967	10.0	9.45	
96 Bisphenol-A	213	9.979	9.979	0.000	99	661295	10.0	10.2	
$ 97 Terphenyl-d14	244	10.056	10.056	0.000	97	1421742	10.0	9.99	
98 Butyl benzyl phthalate	149	10.560	10.560	0.000	96	678656	10.0	10.0	
99 2,3,7,8-TCDD	320	10.624	10.624	0.000	94	2813	0.1000	0.1000	
100 Carbamazepine	193	10.666	10.666	0.000	93	487853	10.0	9.22	
101 3,3'-Dichlorobenzidine	252	11.115	11.115	0.000	99	553499	10.0	10.2	
102 Benzo[a]anthracene	228	11.122	11.122	0.000	99	1478367	10.0	9.69	
* 103 Chrysene-d12	240	11.132	11.132	0.000	99	934782	8.00	8.00	
104 Chrysene	228	11.161	11.161	0.000	98	1335491	10.0	9.38	
105 Bis(2-ethylhexyl) phthalate	149	11.212	11.212	0.000	86	967573	10.0	10.8	
106 Di-n-octyl phthalate	149	12.028	12.028	0.000	96	1619266	10.0	10.5	
107 Benzo[b]fluoranthene	252	12.446	12.446	0.000	98	1420586	10.0	9.73	
108 Benzo[k]fluoranthene	252	12.485	12.485	0.000	99	1420549	10.0	9.52	
109 Benzo[a]pyrene	252	12.881	12.881	0.000	97	1259118	10.0	9.87	
* 110 Perylene-d12	264	12.958	12.958	0.000	99	948919	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.457	14.457	0.000	99	1396229	10.0	10.5	
112 Dibenz(a,h)anthracene	278	14.505	14.505	0.000	95	1416663	10.0	9.74	
113 Benzo[g,h,i]perylene	276	14.860	14.860	0.000	98	1403491	10.0	9.52	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

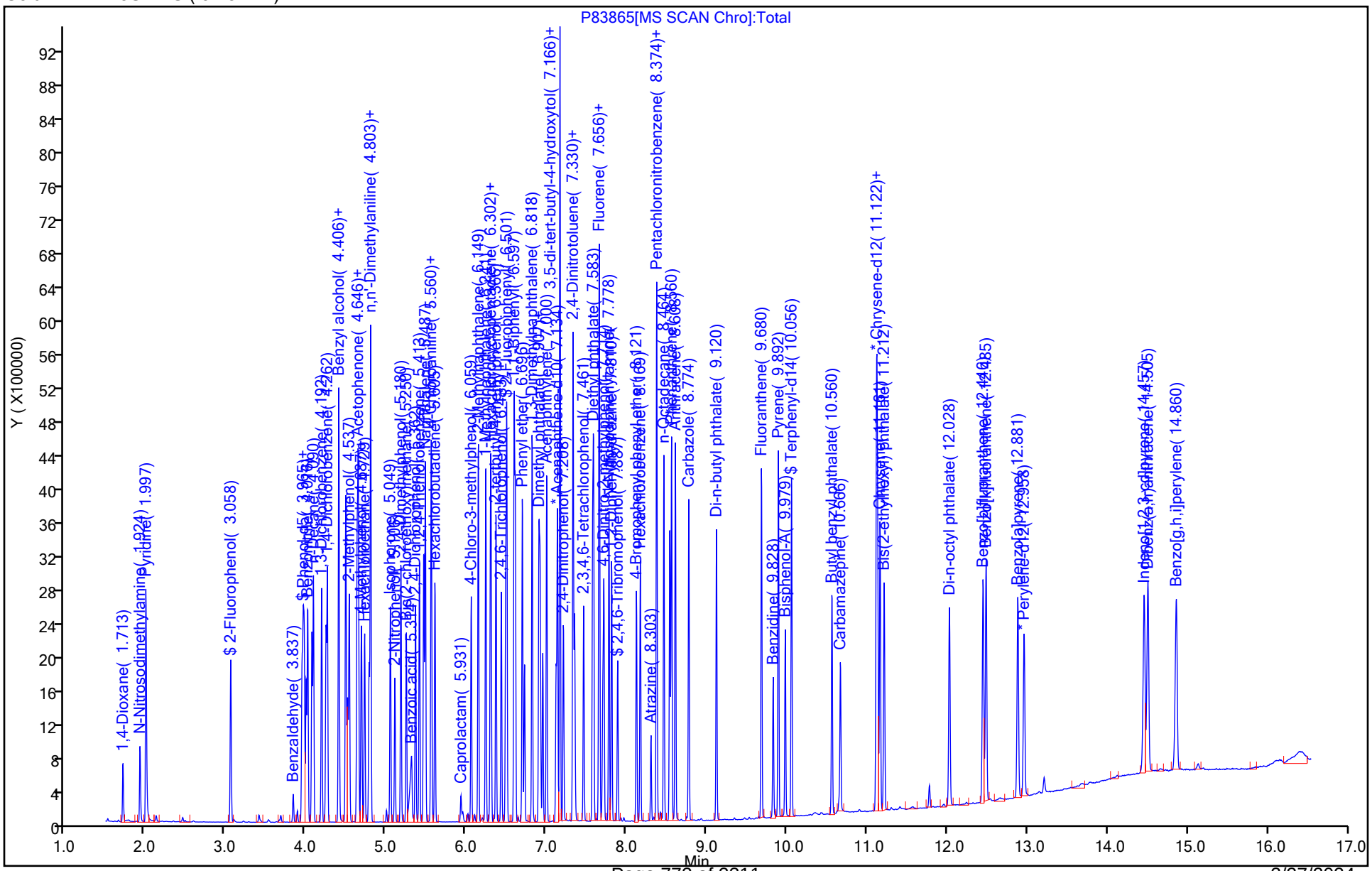
Report Date: 05-Mar-2024 06:44:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D

Injection Date:	04-Mar-2024 11:22:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

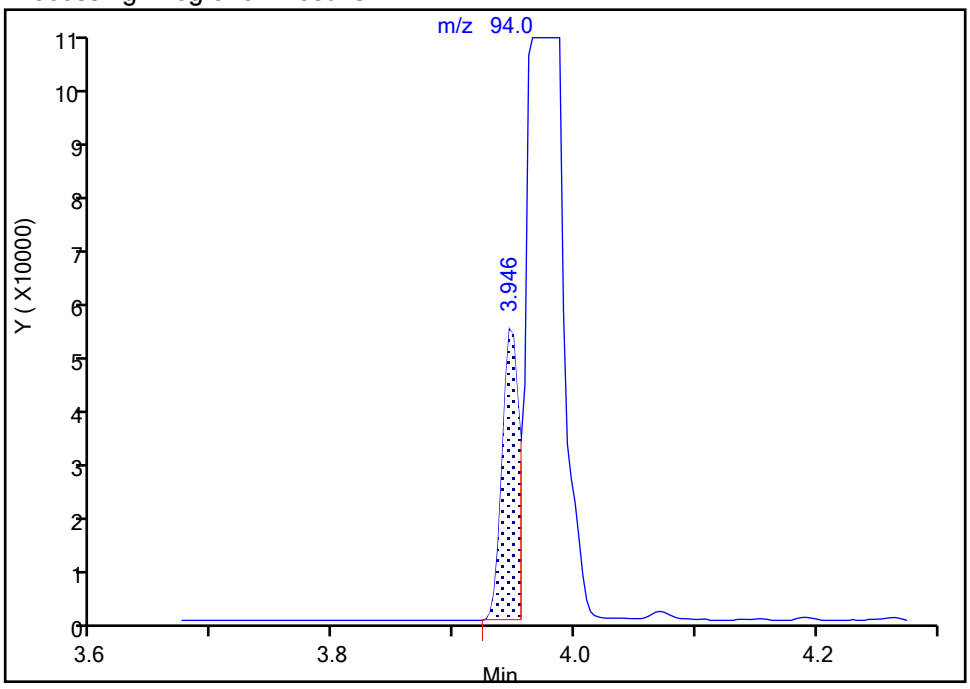
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Injection Date: 04-Mar-2024 11:22:30 Instrument ID: CBNAMS18
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

7 Phenol, CAS: 108-95-2

Signal: 1

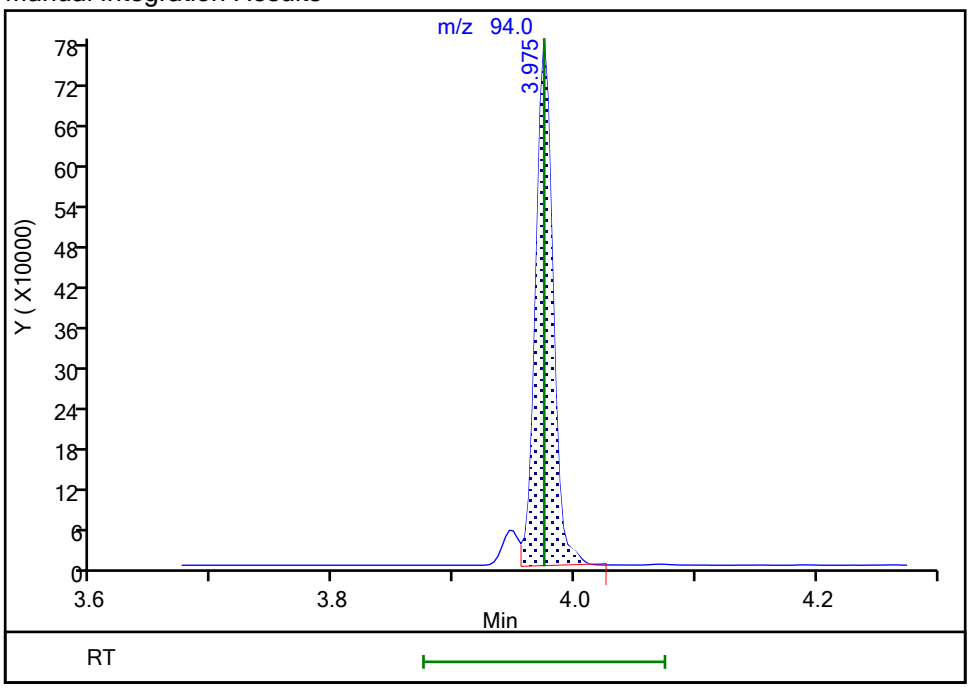
Processing Integration Results

RT: 3.95
Area: 51099
Amount: 15.693187
Amount Units: ug/ml



Manual Integration Results

RT: 3.97
Area: 785034
Amount: 9.504001
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:47:09 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

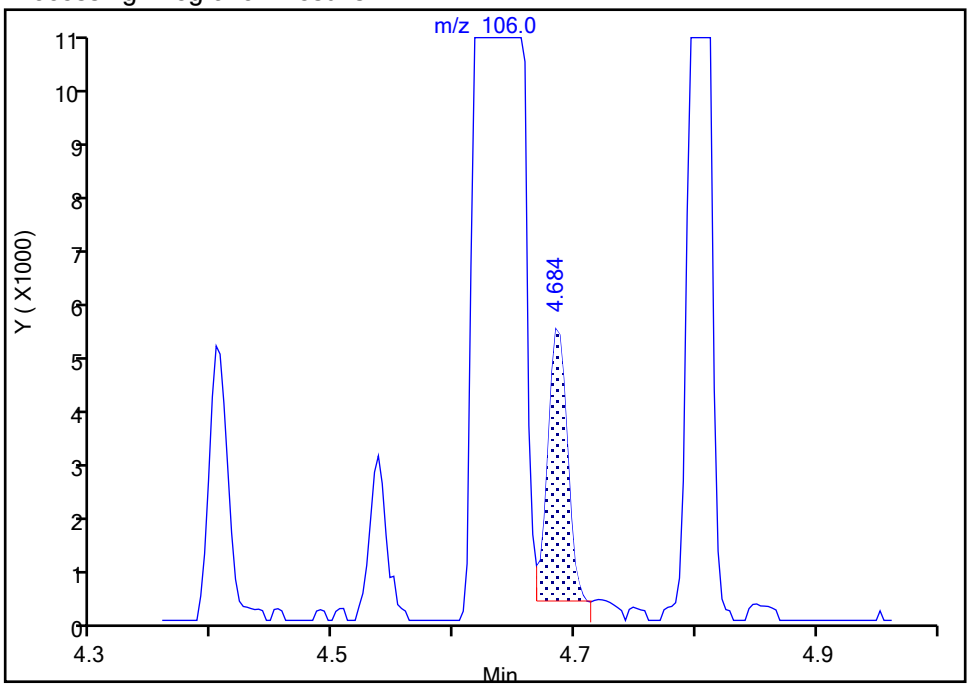
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Injection Date: 04-Mar-2024 11:22:30 Instrument ID: CBNAMS18
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

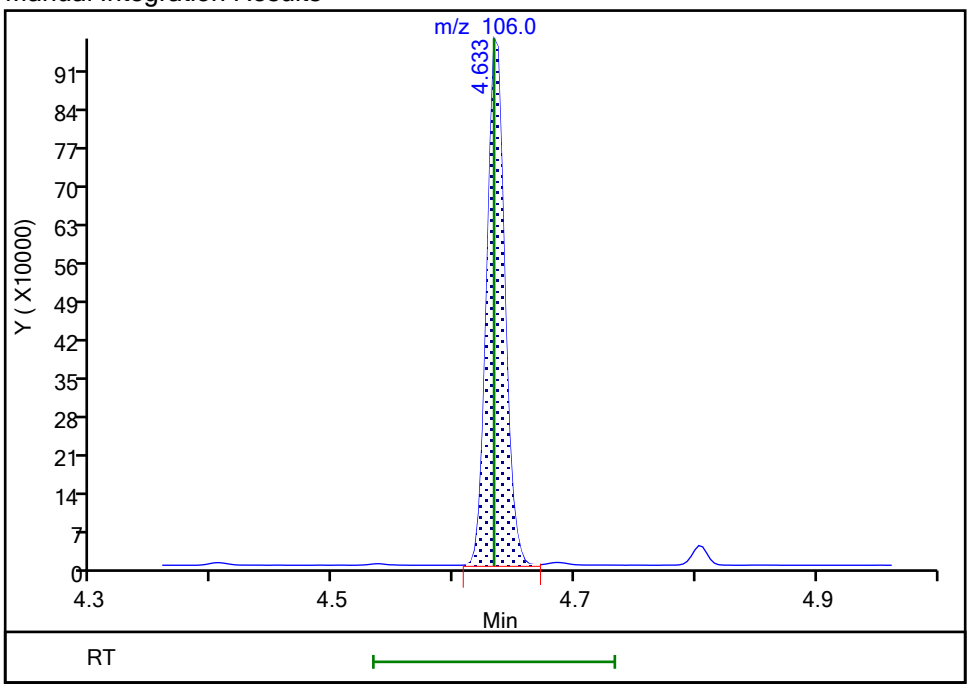
Processing Integration Results

RT: 4.68
Area: 5367
Amount: 11.572422
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 998156
Amount: 10.596141
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:47:00 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

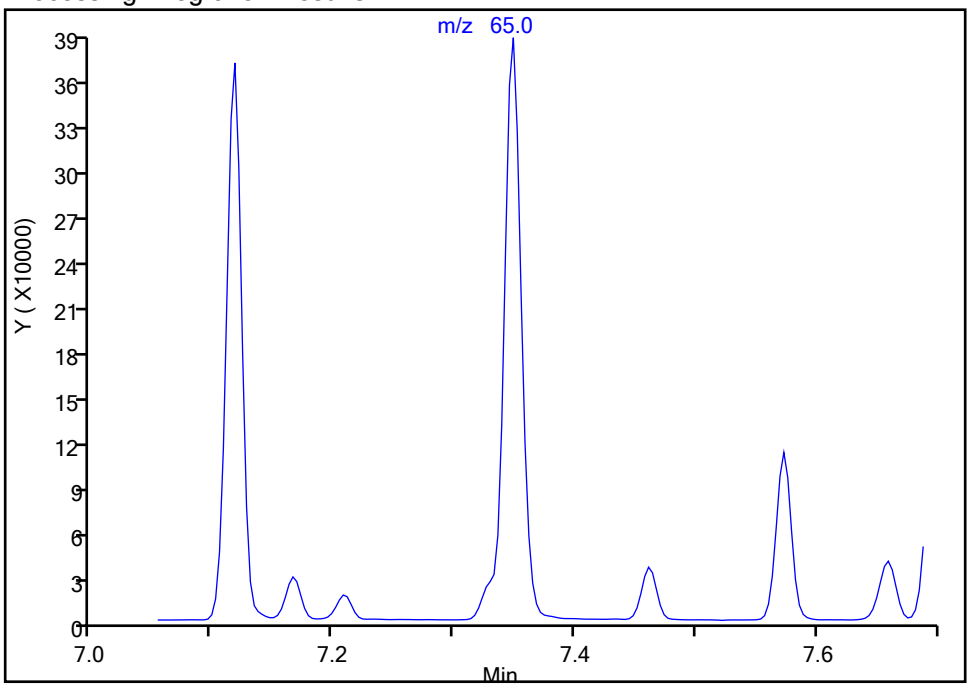
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Injection Date: 04-Mar-2024 11:22:30 Instrument ID: CBNAMS18
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

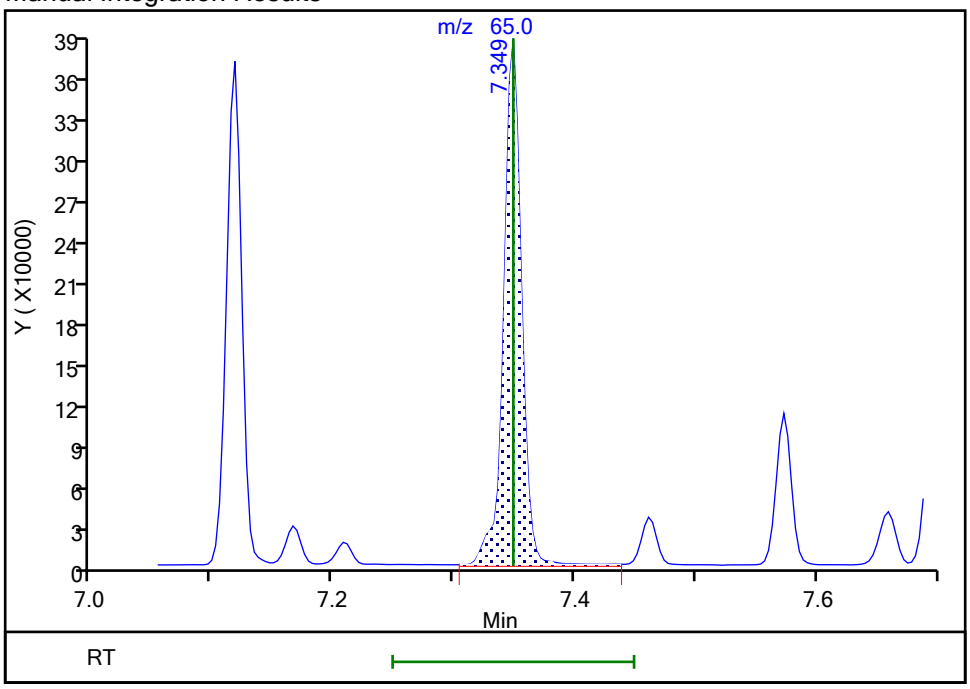
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 397070
Amount: 19.799424
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:44:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 04-Mar-2024 12:05:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-003
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:32 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 12:27:04

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.700	1.713	-0.013	91	566869	24.0	24.0	
2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	97	871821	24.0	24.4	
3 Pyridine	79	1.982	1.997	-0.015	97	2664731	48.0	48.2	
$ 4 2-Fluorophenol	112	3.052	3.058	-0.006	97	1470499	24.0	27.0	
5 Benzaldehyde	77	3.834	3.837	-0.003	95	199529	6.40	4.78	
8 Aniline	93	3.946	3.949	-0.003	98	1809055	24.0	23.1	
$ 6 Phenol-d5	99	3.962	3.962	0.000	98	1805195	24.0	27.9	
7 Phenol	94	3.975	3.975	0.000	98	1827747	24.0	24.6	
9 Bis(2-chloroethyl)ether	93	4.001	3.997	0.004	99	1390255	24.0	24.2	
10 Benzonitrile	103	4.020	4.019	0.001	96	2816628	NC	NC	
11 2-Chlorophenol	128	4.071	4.070	0.001	98	1485027	24.0	24.5	
12 n-Decane	43	4.090	4.090	0.000	88	1184261	24.0	24.2	
13 1,3-Dichlorobenzene	146	4.193	4.192	0.001	97	1640708	24.0	23.8	
* 14 1,4-Dichlorobenzene-d4	152	4.247	4.246	0.001	94	341358	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.263	4.262	0.001	96	1691007	24.0	24.0	
17 Benzyl alcohol	108	4.407	4.406	0.001	74	986236	24.0	25.6	
18 1,2-Dichlorobenzene	146	4.407	4.406	0.001	95	1623248	24.0	24.3	
21 2,2'-oxybis[1-chloropropane]	45	4.519	4.515	0.004	94	1447422	24.0	23.6	
20 2-Methylphenol	108	4.538	4.537	0.001	92	1321006	24.0	24.7	
22 N-Methylaniline	106	4.637	4.633	0.004	98	2313631	24.0	27.3	a
23 Acetophenone	105	4.650	4.646	0.004	92	2055397	24.0	24.7	
24 N-Nitrosodi-n-propylamine	70	4.656	4.652	0.004	84	966066	24.0	25.7	
26 4-Methylphenol	108	4.692	4.687	0.005	97	1391267	24.0	24.3	
25 3 & 4 Methylphenol	108	4.692	4.687	0.005	62	1392670	24.0	24.4	
27 Hexachloroethane	117	4.730	4.729	0.001	94	594140	24.0	24.8	
$ 28 Nitrobenzene-d5	82	4.788	4.783	0.005	84	1508288	24.0	27.4	
29 Nitrobenzene	123	4.810	4.803	0.007	96	771291	24.0	25.9	
30 n,n'-Dimethylaniline	120	4.807	4.803	0.004	96	2458518	24.0	26.5	
31 Isophorone	82	5.053	5.049	0.004	98	2570769	24.0	25.4	
32 2-Nitrophenol	139	5.107	5.106	0.001	96	812740	24.0	24.8	
33 2,4-Dimethylphenol	122	5.184	5.183	0.001	92	1208253	24.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.251	5.250	0.001	97	1693652	24.0	24.0	
35 Benzoic acid	122	5.341	5.314	0.027	85	925584	24.0	28.6	
36 2,4-Dichlorophenol	162	5.363	5.365	-0.002	98	1238744	24.0	24.5	
37 1,2,4-Trichlorobenzene	180	5.415	5.413	0.002	94	1388029	24.0	24.2	
* 38 Naphthalene-d8	136	5.466	5.464	0.002	99	1358416	8.00	8.00	
39 Naphthalene	128	5.488	5.487	0.001	99	4452618	24.0	24.0	
40 4-Chloroaniline	127	5.559	5.557	0.002	98	1586382	24.0	23.5	
41 2,6-Dichlorophenol	162	5.565	5.564	0.001	98	1238416	24.0	24.4	
42 Hexachlorobutadiene	225	5.607	5.605	0.002	98	776149	24.0	24.6	
44 Caprolactam	113	5.987	5.931	0.056	95	89597	6.40	6.81	
45 4-Chloro-3-methylphenol	107	6.061	6.059	0.002	95	1165541	24.0	24.4	
46 2-Methylnaphthalene	142	6.147	6.149	-0.002	86	2874464	24.0	24.0	
47 1-Methylnaphthalene	142	6.240	6.241	-0.001	92	2627996	24.0	23.4	
48 Hexachlorocyclopentadiene	237	6.298	6.299	-0.001	98	950573	24.0	25.7	
49 1,2,4,5-Tetrachlorobenzene	216	6.307	6.305	0.002	98	1346408	24.0	24.4	
50 2-tertbutyl-4-methylphenol	149	6.368	6.369	-0.001	92	1837833	24.0	26.9	
51 2,4,6-Trichlorophenol	196	6.435	6.433	0.002	92	859171	24.0	25.1	
52 2,4,5-Trichlorophenol	196	6.490	6.488	0.002	99	939245	24.0	24.9	
$ 53 2-Fluorobiphenyl	172	6.503	6.501	0.002	97	3343480	24.0	25.7	
54 1,1'-Biphenyl	154	6.595	6.594	0.001	95	3495492	24.0	24.0	
55 2-Chloronaphthalene	162	6.611	6.610	0.001	98	2703473	24.0	23.9	
56 Phenyl ether	170	6.698	6.696	0.002	84	1926702	24.0	25.1	
57 2-Nitroaniline	65	6.727	6.725	0.002	93	652150	24.0	25.5	
58 1,3-Dimethylnaphthalene	156	6.820	6.818	0.002	92	2206961	24.0	25.5	
59 Dimethyl phthalate	163	6.906	6.904	0.002	100	2845270	24.0	23.9	
60 Coumarin	146	6.919	6.914	0.005	82	958439	24.0	24.9	
61 2,6-Dinitrotoluene	165	6.957	6.952	0.005	95	642562	24.0	25.6	
62 Acenaphthylene	152	7.002	7.000	0.002	98	4151906	24.0	23.6	
63 3-Nitroaniline	138	7.120	7.118	0.002	96	684006	24.0	24.8	
* 64 Acenaphthene-d10	164	7.133	7.134	-0.001	95	704427	8.00	8.00	
65 Acenaphthene	154	7.165	7.166	-0.001	95	2492054	24.0	23.7	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.169	7.166	0.003	97	2506663	24.0	25.9	
67 2,4-Dinitrophenol	184	7.213	7.211	0.002	94	891818	48.0	55.9	
69 2,4-Dinitrotoluene	165	7.332	7.330	0.002	71	846333	24.0	27.0	
70 Dibenzofuran	168	7.332	7.330	0.002	99	3692493	24.0	23.5	
68 4-Nitrophenol	65	7.348	7.349	-0.001	85	912363	48.0	50.5	a
71 2,3,4,6-Tetrachlorophenol	232	7.463	7.461	0.002	96	741606	24.0	24.7	
72 Diethyl phthalate	149	7.579	7.573	0.006	98	2779425	24.0	24.1	
73 Fluorene	166	7.656	7.653	0.003	95	2942259	24.0	23.7	
74 4-Chlorophenyl phenyl ether	204	7.662	7.660	0.002	91	1450629	24.0	23.9	
75 4-Nitroaniline	138	7.710	7.701	0.009	90	639849	24.0	25.9	
76 4,6-Dinitro-2-methylphenol	198	7.720	7.714	0.006	91	1042590	48.0	54.3	
77 N-Nitrosodiphenylamine	169	7.781	7.778	0.003	98	2017586	24.0	24.6	
78 1,2-Diphenylhydrazine	77	7.813	7.810	0.003	97	2696777	24.0	25.3	
131 Azobenzene	77	7.813	7.810	0.003	0	2697072	24.0	25.3	
$ 79 2,4,6-Tribromophenol	330	7.889	7.887	0.002	92	613341	24.0	27.7	
80 4-Bromophenyl phenyl ether	248	8.123	8.121	0.002	95	836975	24.0	24.7	
82 Hexachlorobenzene	284	8.171	8.169	0.002	94	1046316	24.0	25.3	
83 Atrazine	200	8.303	8.303	0.000	95	179540	6.40	7.20	
85 Pentachloronitrobenzene	237	8.373	8.374	-0.001	89	347550	24.0	26.8	
84 Pentachlorophenol	266	8.376	8.374	0.002	94	1318316	48.0	55.8	
87 n-Octadecane	57	8.463	8.464	-0.001	87	1678742	24.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.537	8.537	0.000	98	1161095	8.00	8.00	
89 Phenanthrene	178	8.559	8.560	-0.001	98	3842349	24.0	24.1	
90 Anthracene	178	8.611	8.608	0.003	98	3921358	24.0	24.5	
91 Carbazole	167	8.774	8.774	0.000	96	3376217	24.0	24.4	
92 Di-n-butyl phthalate	149	9.120	9.120	0.000	99	4211709	24.0	26.0	
93 Fluoranthene	202	9.683	9.680	0.003	98	3817720	24.0	25.2	
94 Benzidine	184	9.828	9.828	0.000	99	1958674	24.0	28.2	
95 Pyrene	202	9.895	9.892	0.003	97	3882809	24.0	23.2	
96 Bisphenol-A	213	9.979	9.979	0.000	99	1604776	24.0	26.5	
$ 97 Terphenyl-d14	244	10.056	10.056	0.000	97	3411627	24.0	25.8	
98 Butyl benzyl phthalate	149	10.563	10.560	0.003	95	1663063	24.0	26.5	
100 Carbamazepine	193	10.669	10.666	0.003	93	1295661	24.0	25.1	
101 3,3'-Dichlorobenzidine	252	11.115	11.115	0.000	99	1437280	24.0	28.5	
102 Benzo[a]anthracene	228	11.122	11.122	0.000	99	3536375	24.0	25.0	
* 103 Chrysene-d12	240	11.134	11.132	0.002	99	868203	8.00	8.00	
104 Chrysene	228	11.163	11.161	0.002	98	3212513	24.0	24.3	
105 Bis(2-ethylhexyl) phthalate	149	11.212	11.212	0.000	85	2314427	24.0	27.7	
106 Di-n-octyl phthalate	149	12.028	12.028	0.000	96	3851403	24.0	26.4	
107 Benzo[b]fluoranthene	252	12.449	12.446	0.003	99	3414054	24.0	24.7	
108 Benzo[k]fluoranthene	252	12.487	12.485	0.002	99	3481326	24.0	24.6	
109 Benzo[a]pyrene	252	12.886	12.881	0.005	97	3184942	24.0	26.4	
* 110 Perylene-d12	264	12.957	12.958	-0.001	99	898477	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.464	14.457	0.007	99	3242183	24.0	25.8	
112 Dibenz(a,h)anthracene	278	14.510	14.505	0.005	98	3537781	24.0	25.7	
113 Benzo[g,h,i]perylene	276	14.868	14.860	0.008	98	3473789	24.0	24.9	
S 115 Total Cresols	1				0			49.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D

Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18 Operator ID:

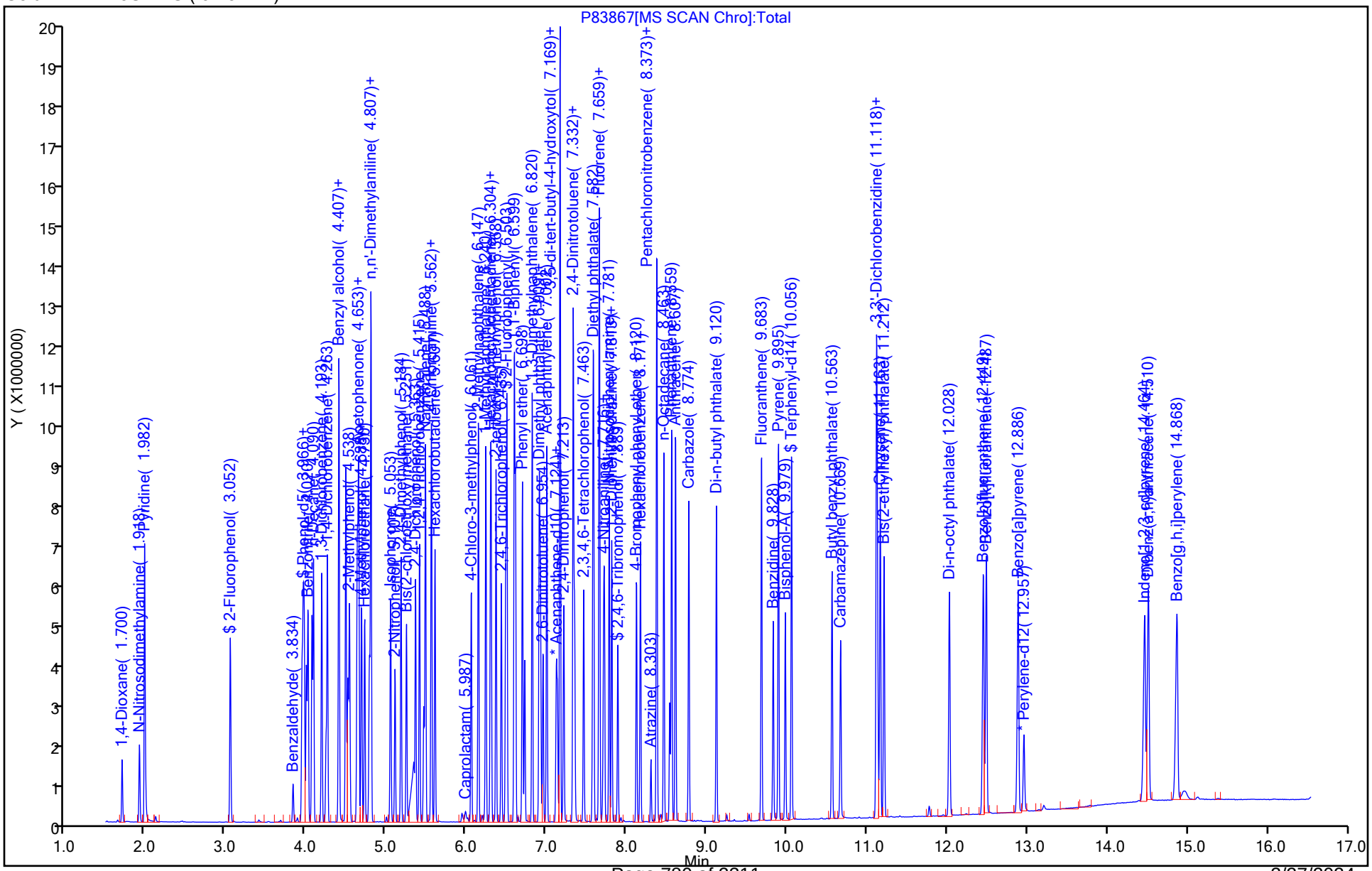
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

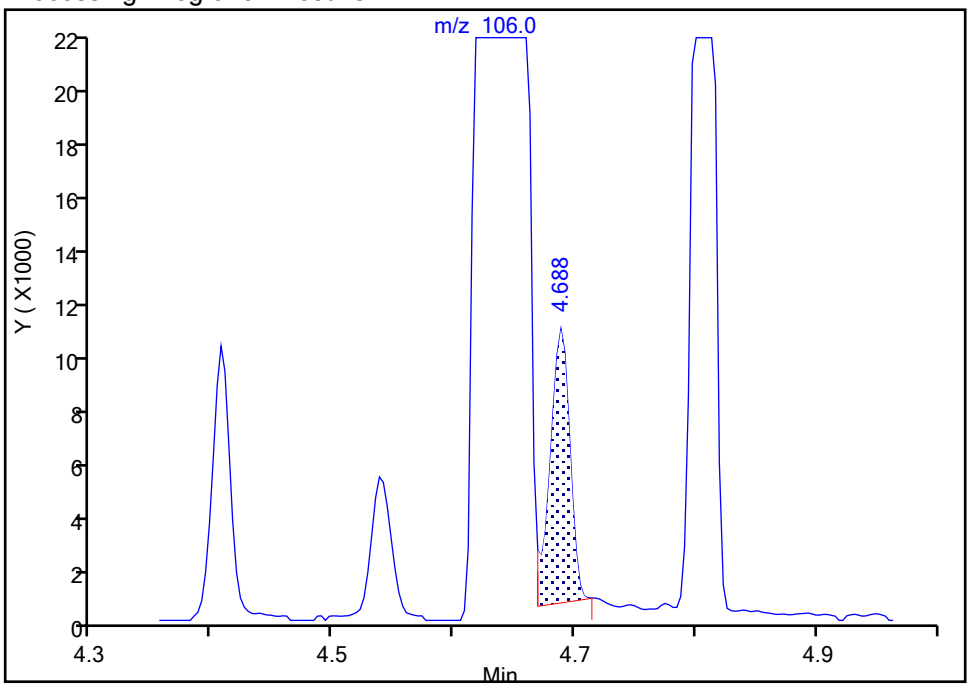
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

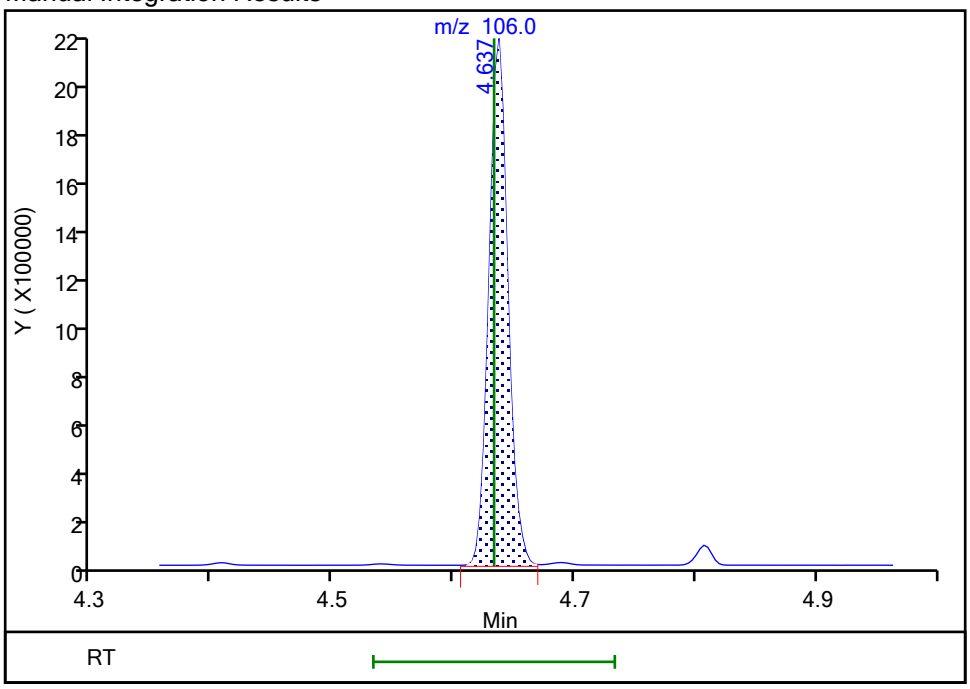
Processing Integration Results

RT: 4.69
Area: 11802
Amount: 0.261128
Amount Units: ug/ml



Manual Integration Results

RT: 4.64
Area: 2313631
Amount: 27.269569
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:26:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

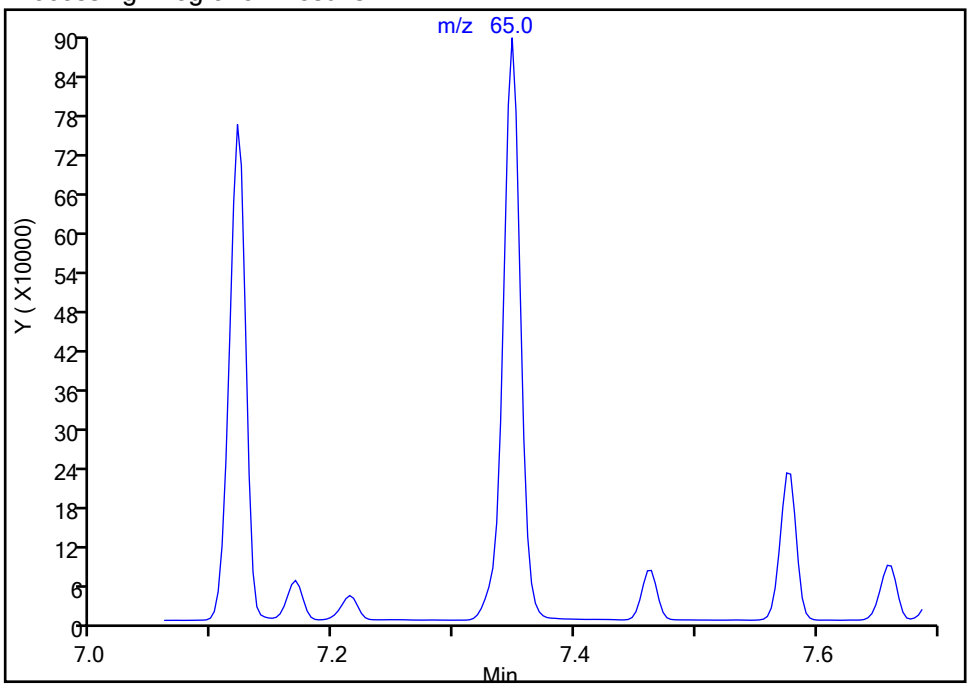
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

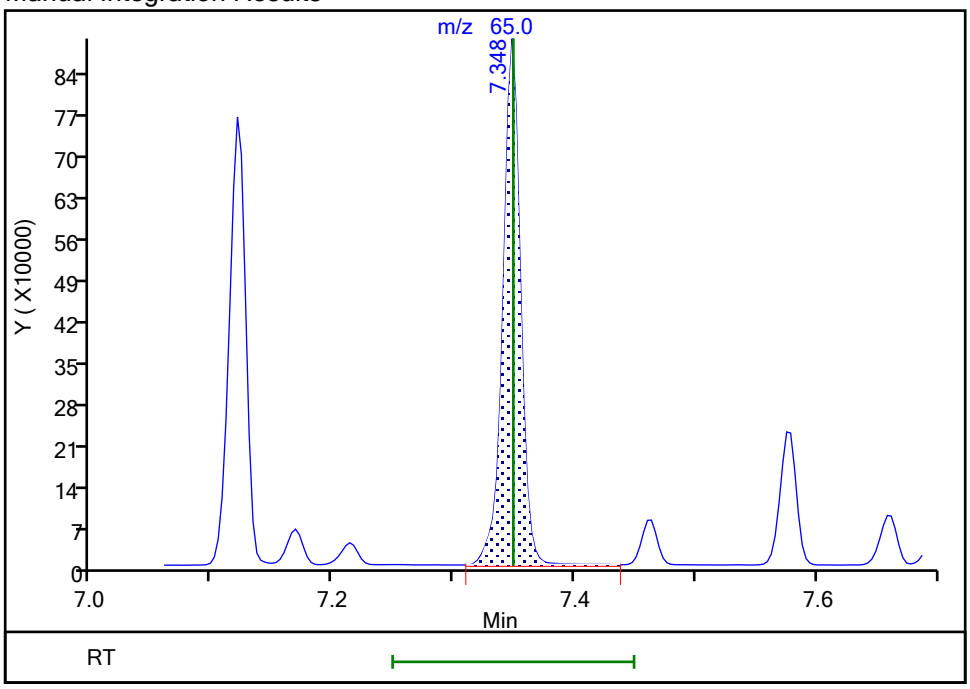
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 912363
Amount: 50.529551
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:26:15 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Mar-2024 12:47:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-004
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:36 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 13:17:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.707	1.713	-0.006	91	412313	16.0	16.1	
	2 N-Nitrosodimethylamine	74	1.921	1.924	-0.003	97	636902	16.0	16.4	
	3 Pyridine	79	1.982	1.997	-0.015	97	2094919	32.0	34.8	
$	4 2-Fluorophenol	112	3.055	3.058	-0.003	97	1017068	16.0	17.1	
	5 Benzaldehyde	77	3.835	3.837	-0.002	96	203294	4.80	4.47	
	8 Aniline	93	3.947	3.949	-0.002	98	1405123	16.0	16.5	
$	6 Phenol-d5	99	3.959	3.962	-0.003	98	1261077	16.0	17.9	
	7 Phenol	94	3.972	3.975	-0.003	98	1331176	16.0	16.4	
	9 Bis(2-chloroethyl)ether	93	4.001	3.997	0.004	98	1026757	16.0	16.4	
	10 Benzonitrile	103	4.020	4.019	0.001	97	1992558	NC	NC	
	11 2-Chlorophenol	128	4.071	4.070	0.001	98	1098713	16.0	16.7	
	12 n-Decane	43	4.090	4.090	0.000	88	861867	16.0	16.2	
	13 1,3-Dichlorobenzene	146	4.193	4.192	0.001	97	1207146	16.0	16.1	
*	14 1,4-Dichlorobenzene-d4	152	4.247	4.246	0.001	94	371686	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.263	4.262	0.001	96	1238446	16.0	16.2	
	17 Benzyl alcohol	108	4.404	4.406	-0.002	96	713453	16.0	17.0	
	18 1,2-Dichlorobenzene	146	4.407	4.406	0.001	97	1186898	16.0	16.3	
	21 2,2'-oxybis[1-chloropropane]	45	4.516	4.515	0.001	94	1058069	16.0	15.9	a
	20 2-Methylphenol	108	4.535	4.537	-0.002	92	958424	16.0	16.5	
	22 N-Methylaniline	106	4.634	4.633	0.001	94	1655047	16.0	17.9	a
	23 Acetophenone	105	4.647	4.646	0.001	96	1481647	16.0	16.3	
	24 N-Nitrosodi-n-propylamine	70	4.653	4.652	0.001	86	700757	16.0	17.1	
	26 4-Methylphenol	108	4.688	4.687	0.001	97	1020833	16.0	16.4	
	25 3 & 4 Methylphenol	108	4.688	4.687	0.001	62	1022294	16.0	16.4	
	27 Hexachloroethane	117	4.730	4.729	0.001	96	439399	16.0	16.8	
$	28 Nitrobenzene-d5	82	4.784	4.783	0.001	85	1044586	16.0	17.7	
	29 Nitrobenzene	123	4.807	4.803	0.004	83	564283	16.0	17.4	
	30 n,n'-Dimethylaniline	120	4.804	4.803	0.001	88	1729500	16.0	17.1	
	31 Isophorone	82	5.047	5.049	-0.002	98	1871891	16.0	17.2	
	32 2-Nitrophenol	139	5.107	5.106	0.001	96	597839	16.0	17.0	
	33 2,4-Dimethylphenol	122	5.181	5.183	-0.002	93	894262	16.0	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.248	5.250	-0.002	96	1245206	16.0	16.4	
35 Benzoic acid	122	5.328	5.314	0.014	86	669959	16.0	19.3	
36 2,4-Dichlorophenol	162	5.363	5.365	-0.002	98	907932	16.0	16.7	
37 1,2,4-Trichlorobenzene	180	5.411	5.413	-0.002	95	1015063	16.0	16.5	
* 38 Naphthalene-d8	136	5.466	5.464	0.002	99	1458206	8.00	8.00	
39 Naphthalene	128	5.485	5.487	-0.002	99	3277798	16.0	16.4	
40 4-Chloroaniline	127	5.555	5.557	-0.002	98	1232855	16.0	17.0	
41 2,6-Dichlorophenol	162	5.562	5.564	-0.002	97	903092	16.0	16.6	
42 Hexachlorobutadiene	225	5.607	5.605	0.002	97	563607	16.0	16.6	
44 Caprolactam	113	5.926	5.931	-0.005	94	70864	4.80	5.04	
45 4-Chloro-3-methylphenol	107	6.058	6.059	-0.001	95	853027	16.0	16.7	
46 2-Methylnaphthalene	142	6.147	6.149	-0.002	85	2118120	16.0	16.5	
47 1-Methylnaphthalene	142	6.240	6.241	-0.001	92	1942747	16.0	16.1	
48 Hexachlorocyclopentadiene	237	6.298	6.299	-0.001	97	672129	16.0	16.9	
49 1,2,4,5-Tetrachlorobenzene	216	6.307	6.305	0.002	98	999005	16.0	16.8	
50 2-tertbutyl-4-methylphenol	149	6.368	6.369	-0.001	92	1295462	16.0	17.7	
51 2,4,6-Trichlorophenol	196	6.432	6.433	-0.001	92	635892	16.0	17.3	
52 2,4,5-Trichlorophenol	196	6.487	6.488	-0.001	99	685630	16.0	16.9	
$ 53 2-Fluorobiphenyl	172	6.503	6.501	0.002	98	2378676	16.0	17.0	
54 1,1'-Biphenyl	154	6.595	6.594	0.001	95	2556370	16.0	16.3	
55 2-Chloronaphthalene	162	6.608	6.610	-0.002	98	1979282	16.0	16.3	
56 Phenyl ether	170	6.698	6.696	0.002	84	1375865	16.0	16.7	
57 2-Nitroaniline	65	6.723	6.725	-0.002	93	465371	16.0	16.9	
58 1,3-Dimethylnaphthalene	156	6.819	6.818	0.001	93	1572336	16.0	16.9	
59 Dimethyl phthalate	163	6.903	6.904	-0.001	99	2100385	16.0	16.4	
60 Coumarin	146	6.915	6.914	0.001	81	675173	16.0	16.3	
61 2,6-Dinitrotoluene	165	6.954	6.952	0.002	95	464675	16.0	17.3	
62 Acenaphthylene	152	6.999	7.000	-0.001	98	3153457	16.0	16.7	
63 3-Nitroaniline	138	7.117	7.118	-0.001	97	508513	16.0	17.2	
* 64 Acenaphthene-d10	164	7.133	7.134	-0.001	95	757275	8.00	8.00	
65 Acenaphthene	154	7.165	7.166	-0.001	95	1816726	16.0	16.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.168	7.166	0.002	97	1761404	16.0	16.9	
67 2,4-Dinitrophenol	184	7.210	7.211	-0.001	94	643270	32.0	37.5	
69 2,4-Dinitrotoluene	165	7.329	7.330	-0.001	92	618101	16.0	18.4	
70 Dibenzofuran	168	7.329	7.330	-0.001	99	2748001	16.0	16.2	
68 4-Nitrophenol	65	7.345	7.349	-0.004	85	661127	32.0	34.1	a
71 2,3,4,6-Tetrachlorophenol	232	7.460	7.461	-0.001	96	541188	16.0	16.8	
72 Diethyl phthalate	149	7.572	7.573	-0.001	98	2035085	16.0	16.4	
73 Fluorene	166	7.652	7.653	-0.001	95	2158742	16.0	16.1	
74 4-Chlorophenyl phenyl ether	204	7.658	7.660	-0.002	92	1065097	16.0	16.3	
75 4-Nitroaniline	138	7.703	7.701	0.002	91	470848	16.0	17.7	
76 4,6-Dinitro-2-methylphenol	198	7.716	7.714	0.002	92	754847	32.0	36.3	
77 N-Nitrosodiphenylamine	169	7.777	7.778	-0.001	99	1483685	16.0	16.7	
78 1,2-Diphenylhydrazine	77	7.812	7.810	0.002	97	1936296	16.0	16.8	
131 Azobenzene	77	7.812	7.810	0.002	0	1936704	16.0	16.8	
$ 79 2,4,6-Tribromophenol	330	7.886	7.887	-0.001	91	420361	16.0	17.6	
80 4-Bromophenyl phenyl ether	248	8.120	8.121	-0.001	95	613174	16.0	16.7	
82 Hexachlorobenzene	284	8.168	8.169	-0.001	95	763332	16.0	17.0	
83 Atrazine	200	8.299	8.303	-0.004	95	149371	4.80	5.53	
84 Pentachlorophenol	266	8.373	8.374	-0.001	93	924356	32.0	36.1	
85 Pentachloronitrobenzene	237	8.373	8.374	-0.001	59	245000	16.0	17.4	
87 n-Octadecane	57	8.463	8.464	-0.001	87	1226909	16.0	17.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.536	8.537	-0.001	98	1256838	8.00	8.00	
89 Phenanthrene	178	8.559	8.560	-0.001	98	2778672	16.0	16.1	
90 Anthracene	178	8.607	8.608	-0.001	98	2870919	16.0	16.5	
91 Carbazole	167	8.773	8.774	-0.001	96	2464899	16.0	16.5	
92 Di-n-butyl phthalate	149	9.119	9.120	-0.001	99	3076035	16.0	17.6	
93 Fluoranthene	202	9.679	9.680	-0.001	98	2743157	16.0	16.7	
94 Benzidine	184	9.827	9.828	-0.001	99	1389413	16.0	18.5	
95 Pyrene	202	9.891	9.892	-0.001	97	2841263	16.0	16.3	
96 Bisphenol-A	213	9.978	9.979	-0.001	99	1109667	16.0	17.6	
$ 97 Terphenyl-d14	244	10.055	10.056	-0.001	97	2342854	16.0	17.0	
98 Butyl benzyl phthalate	149	10.558	10.560	-0.002	95	1159736	16.0	17.7	
100 Carbamazepine	193	10.664	10.666	-0.002	93	850876	16.0	16.0	
101 3,3'-Dichlorobenzidine	252	11.114	11.115	-0.001	99	985930	16.0	18.7	
102 Benzo[a]anthracene	228	11.120	11.122	-0.002	99	2494662	16.0	16.9	
* 103 Chrysene-d12	240	11.130	11.132	-0.002	99	906035	8.00	8.00	
104 Chrysene	228	11.162	11.161	0.001	98	2272571	16.0	16.5	
105 Bis(2-ethylhexyl) phthalate	149	11.210	11.212	-0.002	85	1639556	16.0	18.8	
106 Di-n-octyl phthalate	149	12.023	12.028	-0.005	96	2701794	16.0	18.0	
107 Benzo[b]fluoranthene	252	12.447	12.446	0.001	99	2368567	16.0	16.7	
108 Benzo[k]fluoranthene	252	12.485	12.485	0.000	99	2404939	16.0	16.6	
109 Benzo[a]pyrene	252	12.881	12.881	0.000	97	2147583	16.0	17.3	
* 110 Perylene-d12	264	12.955	12.958	-0.003	99	921545	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.458	14.457	0.001	99	2215706	16.0	17.2	
112 Dibenz(a,h)anthracene	278	14.503	14.505	-0.002	99	2435417	16.0	17.2	
113 Benzo[g,h,i]perylene	276	14.861	14.860	0.001	98	2360785	16.0	16.5	
S 115 Total Cresols	1				0			32.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D

Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18 Operator ID:

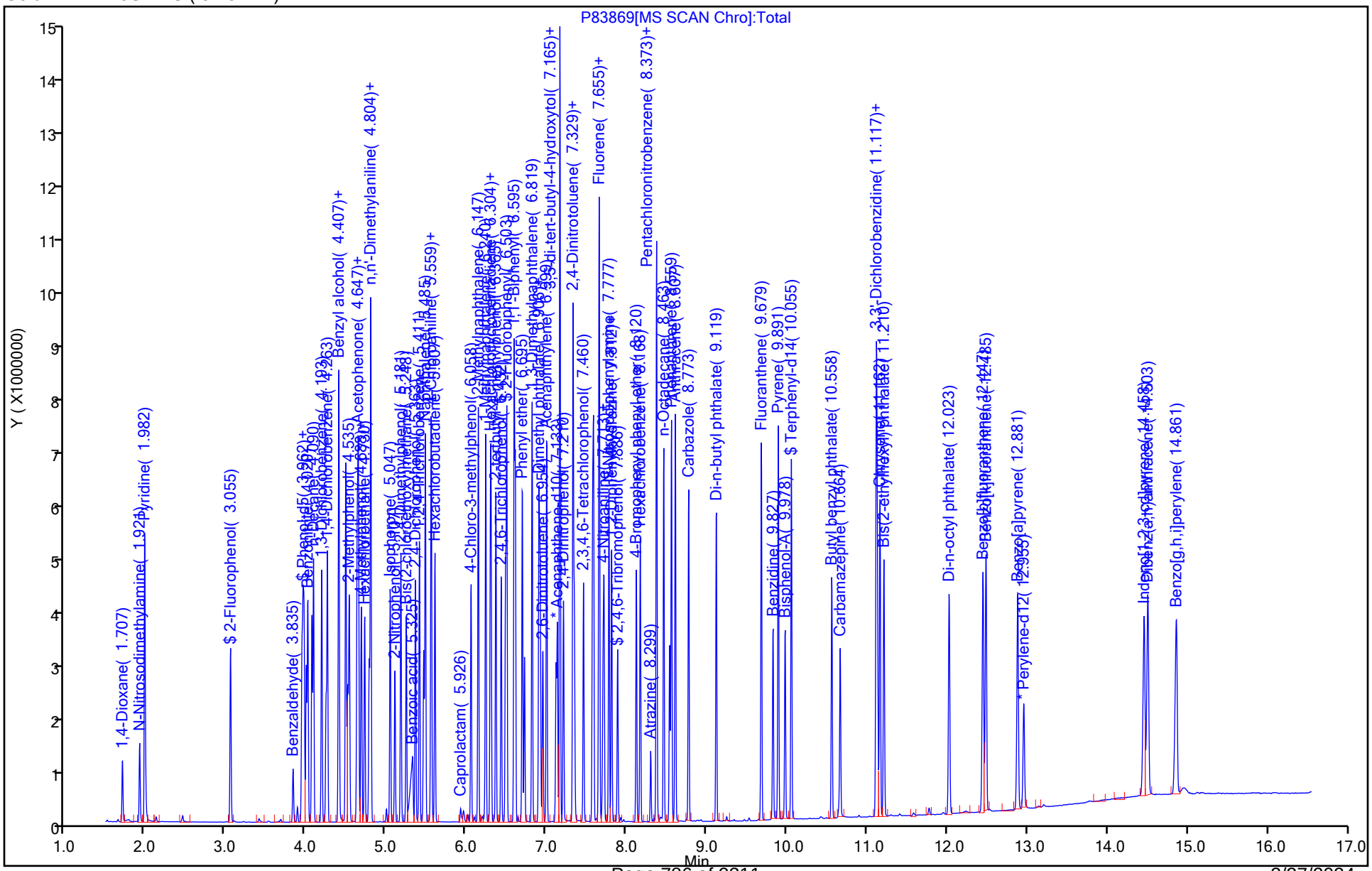
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

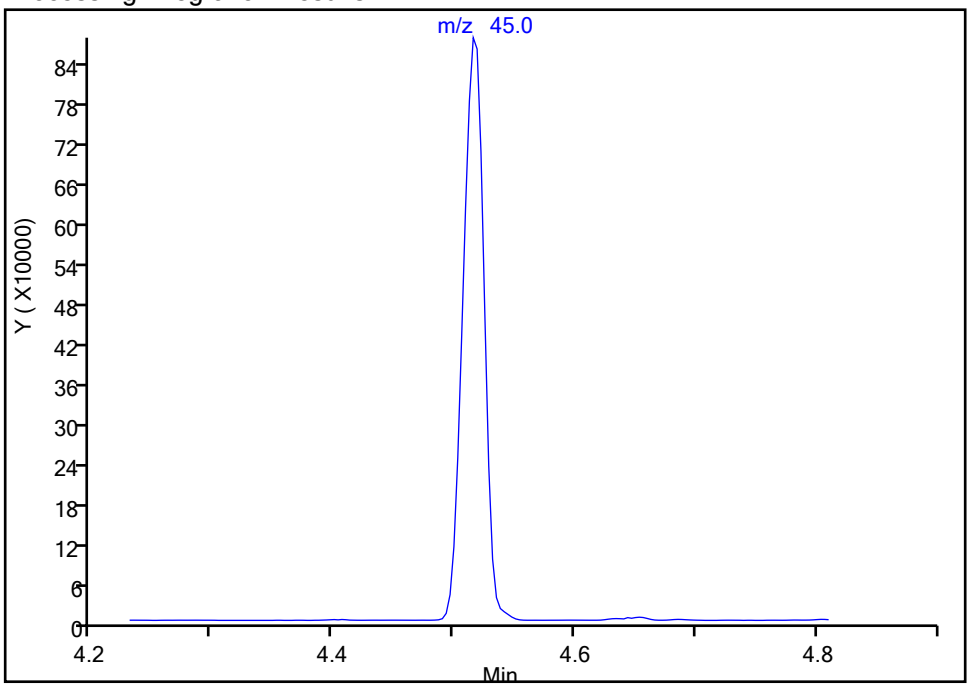
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

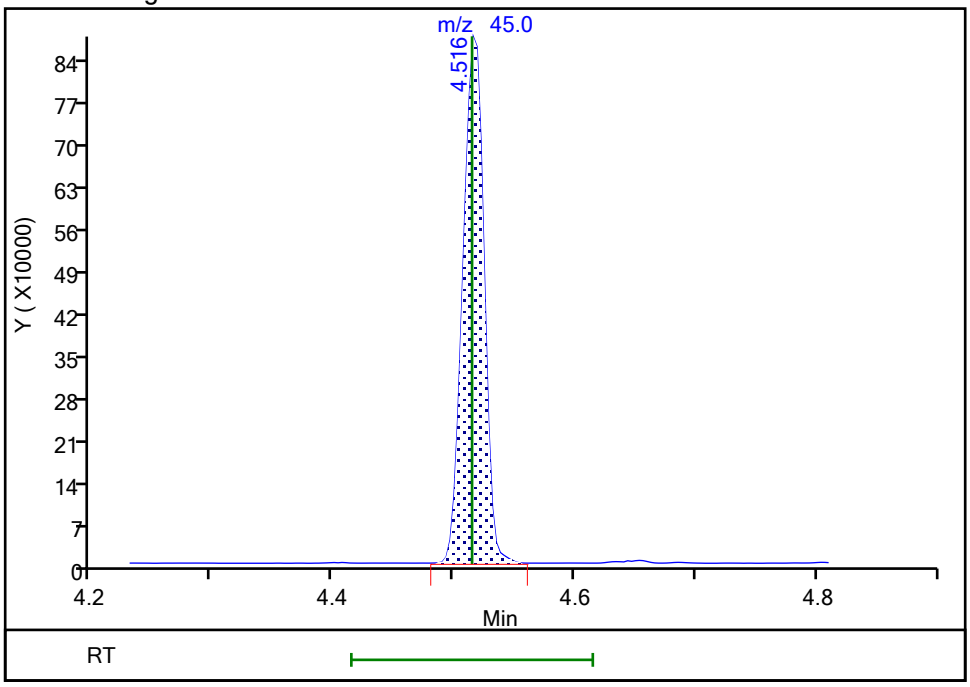
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 1058069
Amount: 15.860366
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:08 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

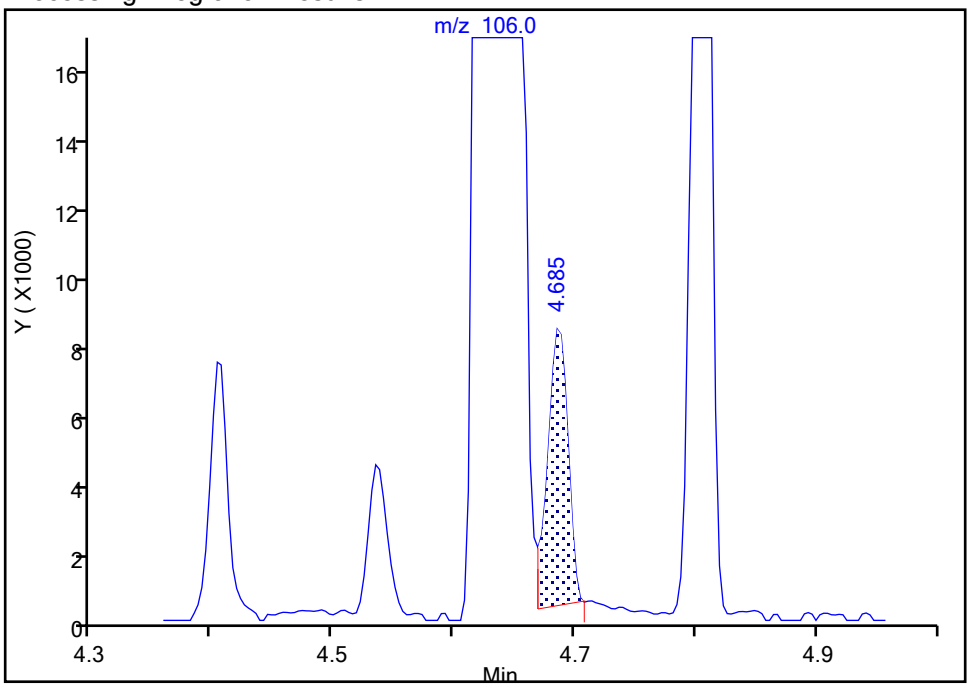
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

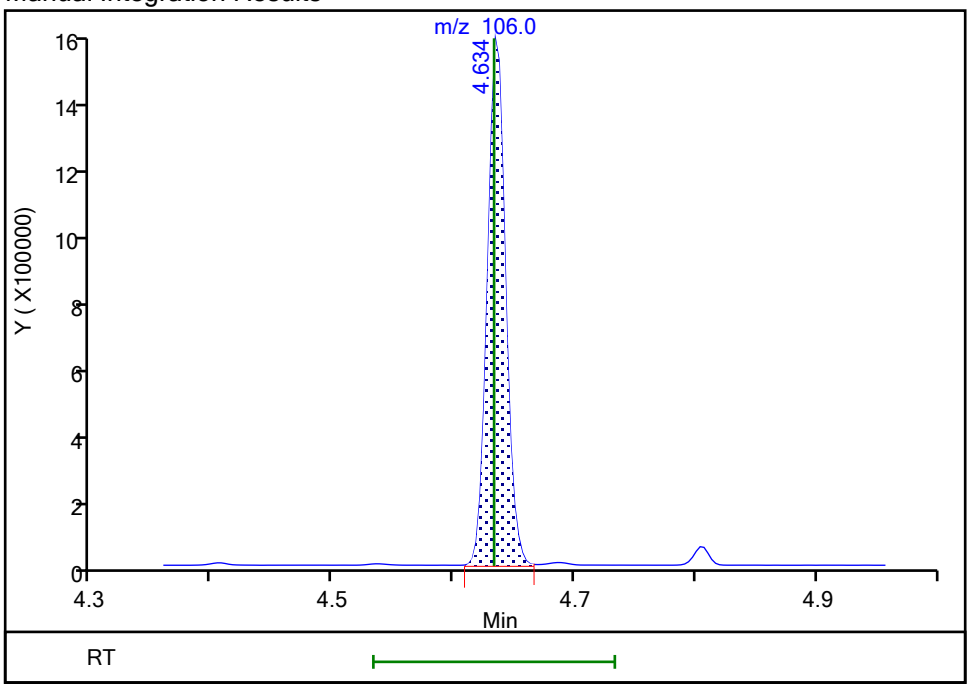
Processing Integration Results

RT: 4.69
Area: 9105
Amount: 0.134277
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 1655047
Amount: 17.915478
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

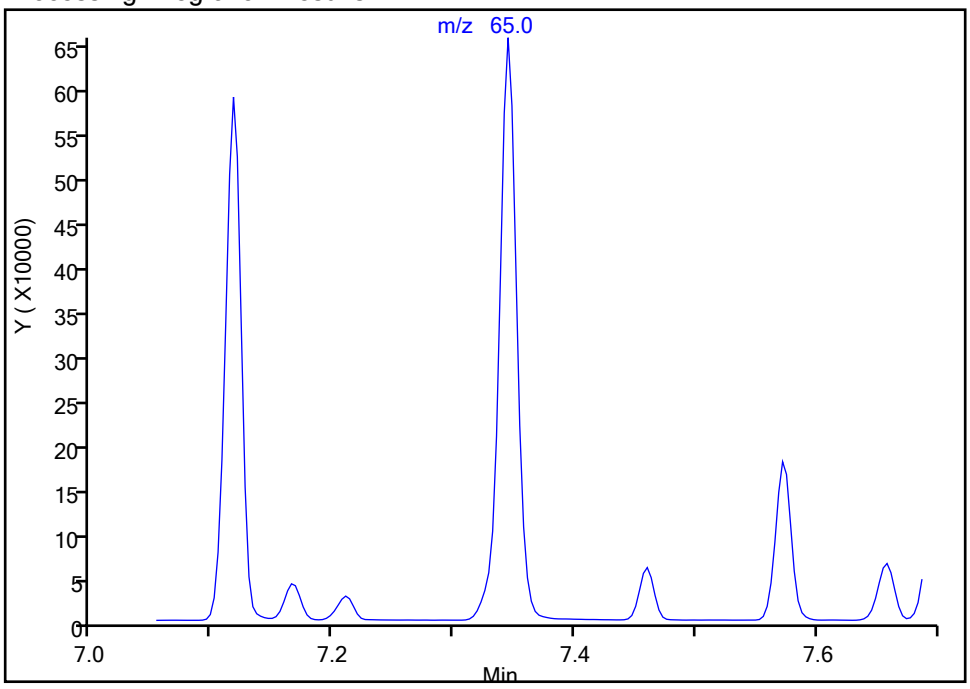
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

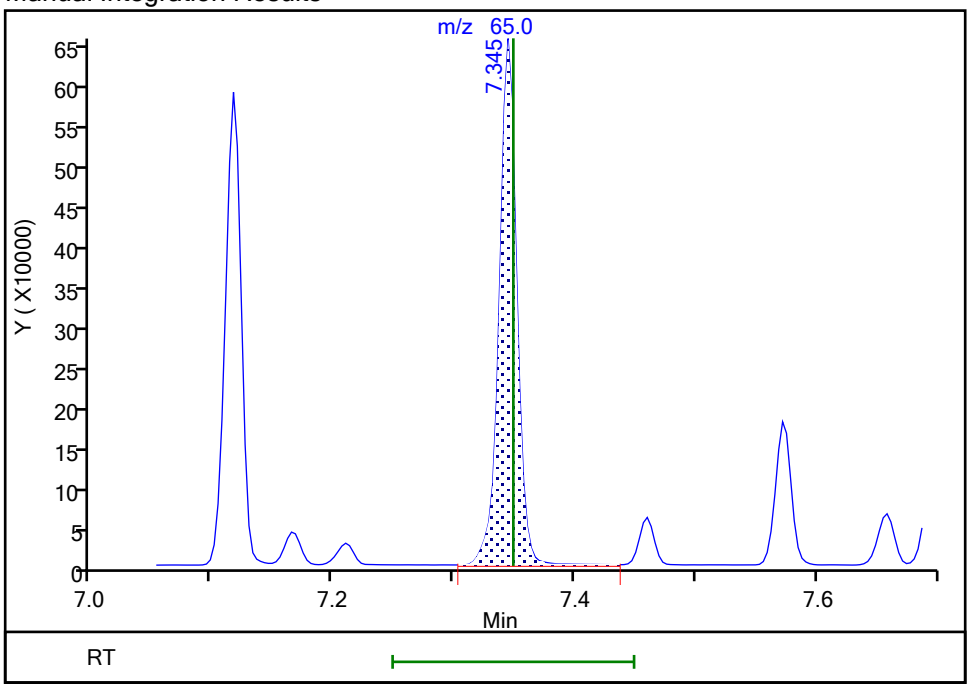
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 661127
Amount: 34.060031
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Mar-2024 13:30:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-005
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:41 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 13:59:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.703	1.713	-0.010	92	103141	4.00	4.14	
2 N-Nitrosodimethylamine	74	1.914	1.924	-0.010	96	156760	4.00	4.15	
3 Pyridine	79	1.981	1.997	-0.016	97	511337	8.00	8.75	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	96	233767	4.00	4.06	
5 Benzaldehyde	77	3.831	3.837	-0.006	95	149646	3.20	3.39	
8 Aniline	93	3.943	3.949	-0.006	98	352892	4.00	4.27	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	98	280299	4.00	4.10	
7 Phenol	94	3.968	3.975	-0.007	97	326605	4.00	4.16	
9 Bis(2-chloroethyl)ether	93	3.994	3.997	-0.003	98	255487	4.00	4.20	
10 Benzonitrile	103	4.013	4.019	-0.006	97	467457	NC	NC	
11 2-Chlorophenol	128	4.067	4.070	-0.003	98	269179	4.00	4.21	
12 n-Decane	43	4.087	4.090	-0.004	88	210749	4.00	4.07	
13 1,3-Dichlorobenzene	146	4.189	4.192	-0.003	96	296386	4.00	4.07	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	360538	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	304714	4.00	4.10	
17 Benzyl alcohol	108	4.396	4.406	-0.010	95	166425	4.00	4.09	
18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	288827	4.00	4.10	
21 2,2'-oxybis[1-chloropropane]	45	4.512	4.515	-0.003	94	271622	4.00	4.20	a
20 2-Methylphenol	108	4.531	4.537	-0.006	91	231906	4.00	4.11	
22 N-Methylaniline	106	4.630	4.633	-0.003	94	382354	4.00	4.27	a
23 Acetophenone	105	4.639	4.646	-0.007	94	362614	4.00	4.12	
24 N-Nitrosodi-n-propylamine	70	4.643	4.652	-0.009	85	171661	4.00	4.33	
26 4-Methylphenol	108	4.684	4.687	-0.003	96	254897	4.00	4.22	
25 3 & 4 Methylphenol	108	4.684	4.687	-0.003	62	254897	4.00	4.22	
27 Hexachloroethane	117	4.726	4.729	-0.003	94	106992	4.00	4.23	
$ 28 Nitrobenzene-d5	82	4.780	4.783	-0.003	85	238918	4.00	4.16	
29 Nitrobenzene	123	4.799	4.803	-0.004	87	135460	4.00	4.30	
30 n,n'-Dimethylaniline	120	4.799	4.803	-0.004	86	391914	4.00	4.00	
31 Isophorone	82	5.039	5.049	-0.010	99	459350	4.00	4.35	
32 2-Nitrophenol	139	5.103	5.106	-0.003	96	144813	4.00	4.24	
33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	93	217218	4.00	4.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.244	5.250	-0.006	97	309546	4.00	4.21	
35 Benzoic acid	122	5.282	5.314	-0.032	85	141749	4.00	4.19	
36 2,4-Dichlorophenol	162	5.362	5.365	-0.003	98	221406	4.00	4.20	
37 1,2,4-Trichlorobenzene	180	5.410	5.413	-0.003	94	249276	4.00	4.18	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1416775	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	812569	4.00	4.19	
40 4-Chloroaniline	127	5.554	5.557	-0.003	98	316902	4.00	4.51	
41 2,6-Dichlorophenol	162	5.557	5.564	-0.007	97	219977	4.00	4.16	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	137107	4.00	4.17	
44 Caprolactam	113	5.902	5.931	-0.029	94	44061	3.20	3.26	
45 4-Chloro-3-methylphenol	107	6.055	6.059	-0.004	96	211953	4.00	4.26	
46 2-Methylnaphthalene	142	6.145	6.149	-0.004	87	530846	4.00	4.25	
47 1-Methylnaphthalene	142	6.238	6.241	-0.003	93	494117	4.00	4.23	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	98	163741	4.00	4.11	
49 1,2,4,5-Tetrachlorobenzene	216	6.302	6.305	-0.003	98	245380	4.00	4.12	
50 2-tertbutyl-4-methylphenol	149	6.366	6.369	-0.003	92	297866	4.00	4.18	
51 2,4,6-Trichlorophenol	196	6.430	6.433	-0.003	93	157999	4.00	4.28	
52 2,4,5-Trichlorophenol	196	6.487	6.488	-0.001	99	168578	4.00	4.15	
$ 53 2-Fluorobiphenyl	172	6.500	6.501	-0.001	98	569729	4.00	4.07	
54 1,1'-Biphenyl	154	6.590	6.594	-0.004	95	647051	4.00	4.12	
55 2-Chloronaphthalene	162	6.606	6.610	-0.004	98	503523	4.00	4.13	
56 Phenyl ether	170	6.695	6.696	-0.001	84	329383	4.00	3.98	
57 2-Nitroaniline	65	6.718	6.725	-0.007	93	113486	4.00	4.12	
58 1,3-Dimethylnaphthalene	156	6.817	6.818	-0.001	92	371572	4.00	3.99	
59 Dimethyl phthalate	163	6.897	6.904	-0.007	100	534518	4.00	4.17	
60 Coumarin	146	6.909	6.914	-0.005	82	165795	4.00	4.13	
61 2,6-Dinitrotoluene	165	6.948	6.952	-0.004	96	116865	4.00	4.33	
62 Acenaphthylene	152	6.996	7.000	-0.004	98	809411	4.00	4.27	
63 3-Nitroaniline	138	7.111	7.118	-0.007	97	125646	4.00	4.23	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	94	758977	8.00	8.00	
65 Acenaphthene	154	7.162	7.166	-0.004	95	463216	4.00	4.09	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.165	7.166	-0.001	97	411525	4.00	3.95	
67 2,4-Dinitrophenol	184	7.204	7.211	-0.007	95	145350	8.00	8.45	
69 2,4-Dinitrotoluene	165	7.325	7.330	-0.005	94	147514	4.00	4.37	
70 Dibenzofuran	168	7.325	7.330	-0.005	99	698867	4.00	4.12	
68 4-Nitrophenol	65	7.345	7.349	-0.004	91	166053	8.00	8.54	a
71 2,3,4,6-Tetrachlorophenol	232	7.460	7.461	-0.001	96	134925	4.00	4.18	
72 Diethyl phthalate	149	7.565	7.573	-0.008	98	513468	4.00	4.13	
73 Fluorene	166	7.649	7.653	-0.004	96	554125	4.00	4.14	
74 4-Chlorophenyl phenyl ether	204	7.658	7.660	-0.002	91	269869	4.00	4.13	
75 4-Nitroaniline	138	7.690	7.701	-0.011	86	113042	4.00	4.24	
76 4,6-Dinitro-2-methylphenol	198	7.706	7.714	-0.008	91	174455	8.00	8.10	
77 N-Nitrosodiphenylamine	169	7.773	7.778	-0.005	98	377233	4.00	4.11	
78 1,2-Diphenylhydrazine	77	7.805	7.810	-0.005	98	488679	4.00	4.09	
131 Azobenzene	77	7.805	7.810	-0.005	0	488679	4.00	4.09	
$ 79 2,4,6-Tribromophenol	330	7.882	7.887	-0.005	92	95765	4.00	4.01	
80 4-Bromophenyl phenyl ether	248	8.119	8.121	-0.002	95	156676	4.00	4.12	
82 Hexachlorobenzene	284	8.167	8.169	-0.002	95	196024	4.00	4.22	
83 Atrazine	200	8.295	8.303	-0.008	95	95528	3.20	3.42	
85 Pentachloronitrobenzene	237	8.368	8.374	-0.006	76	56984	4.00	3.91	
84 Pentachlorophenol	266	8.368	8.374	-0.006	93	215566	8.00	8.13	
87 n-Octadecane	57	8.461	8.464	-0.003	88	304577	4.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1301717	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	98	729215	4.00	4.09	
90 Anthracene	178	8.602	8.608	-0.006	98	740727	4.00	4.12	
91 Carbazole	167	8.769	8.774	-0.005	96	645950	4.00	4.17	
92 Di-n-butyl phthalate	149	9.117	9.120	-0.003	99	737185	4.00	4.06	
93 Fluoranthene	202	9.677	9.680	-0.003	97	695418	4.00	4.10	
94 Benzidine	184	9.821	9.828	-0.007	99	325391	4.00	4.18	
95 Pyrene	202	9.889	9.892	-0.003	97	725654	4.00	4.25	
96 Bisphenol-A	213	9.975	9.979	-0.004	99	249816	4.00	4.04	
$ 97 Terphenyl-d14	244	10.052	10.056	-0.004	97	563788	4.00	4.18	
98 Butyl benzyl phthalate	149	10.558	10.560	-0.002	96	261422	4.00	4.08	
100 Carbamazepine	193	10.658	10.666	-0.008	93	157947	4.00	3.60	
101 3,3'-Dichlorobenzidine	252	11.110	11.115	-0.005	99	215743	4.00	4.19	
102 Benzo[a]anthracene	228	11.116	11.122	-0.006	99	594018	4.00	4.11	
* 103 Chrysene-d12	240	11.129	11.132	-0.003	99	886573	8.00	8.00	
104 Chrysene	228	11.155	11.161	-0.006	98	561697	4.00	4.16	
105 Bis(2-ethylhexyl) phthalate	149	11.209	11.212	-0.003	86	366632	4.00	4.30	
106 Di-n-octyl phthalate	149	12.021	12.028	-0.007	96	584172	4.00	4.09	
107 Benzo[b]fluoranthene	252	12.441	12.446	-0.005	99	570555	4.00	4.23	
108 Benzo[k]fluoranthene	252	12.477	12.485	-0.008	99	609560	4.00	4.41	
109 Benzo[a]pyrene	252	12.875	12.881	-0.006	97	494338	4.00	4.19	
* 110 Perylene-d12	264	12.955	12.958	-0.003	99	877990	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.448	14.457	-0.009	98	509393	4.00	4.16	
112 Dibenz(a,h)anthracene	278	14.493	14.505	-0.012	98	572048	4.00	4.25	
113 Benzo[g,h,i]perylene	276	14.844	14.860	-0.016	98	567466	4.00	4.16	
S 115 Total Cresols	1				0			8.33	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:43 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D

Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18 Operator ID:

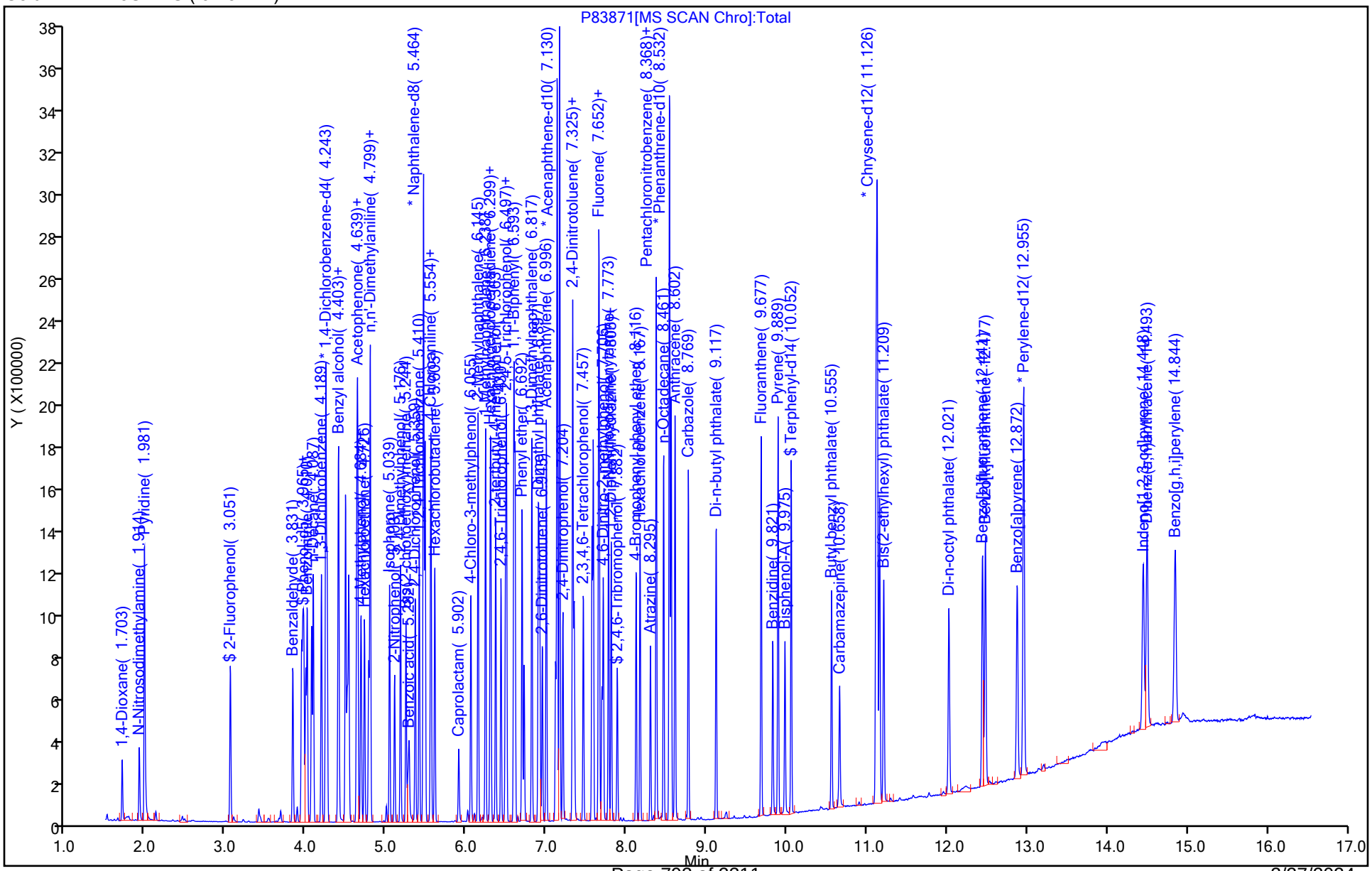
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

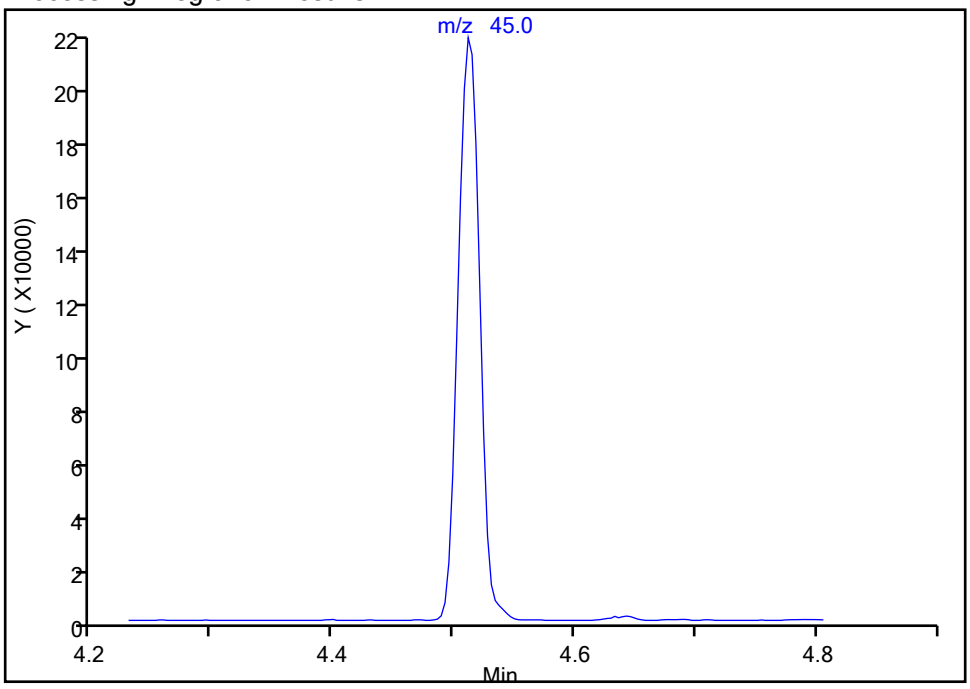
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

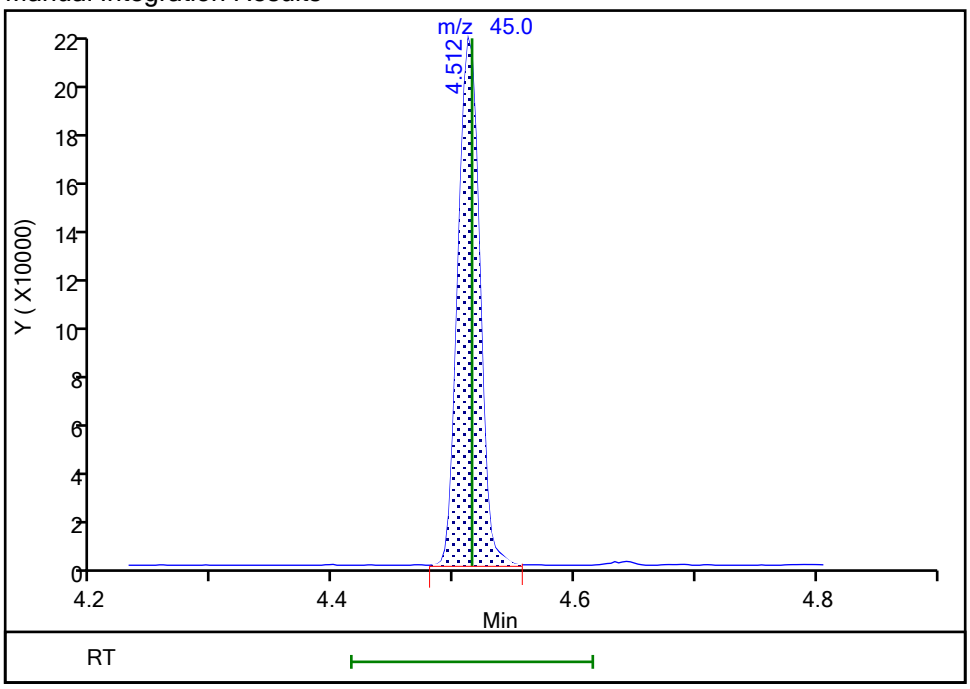
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 271622
Amount: 4.197487
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:58:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

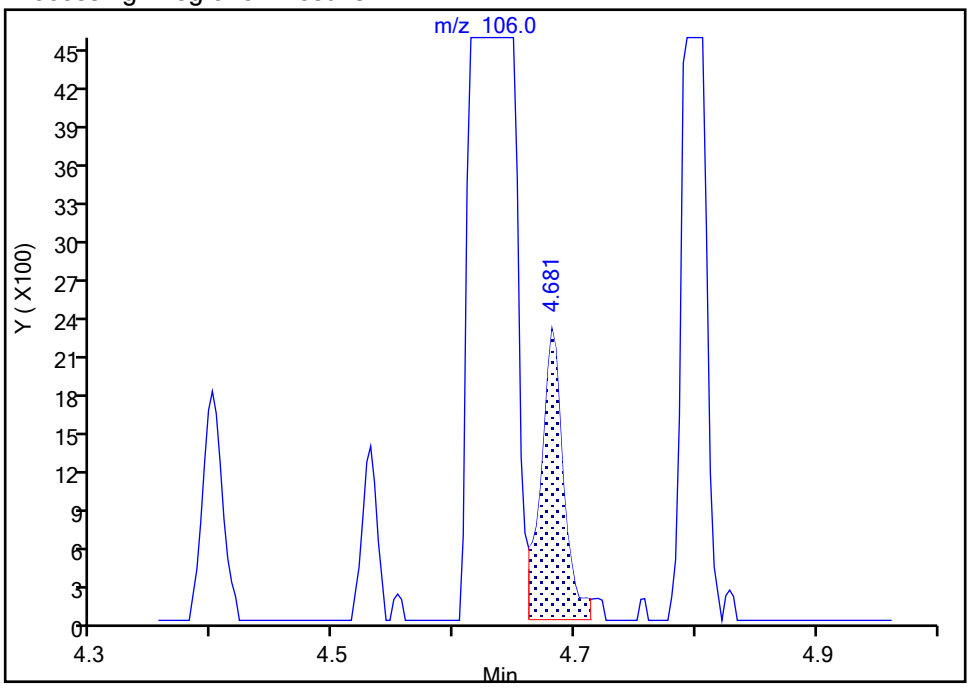
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

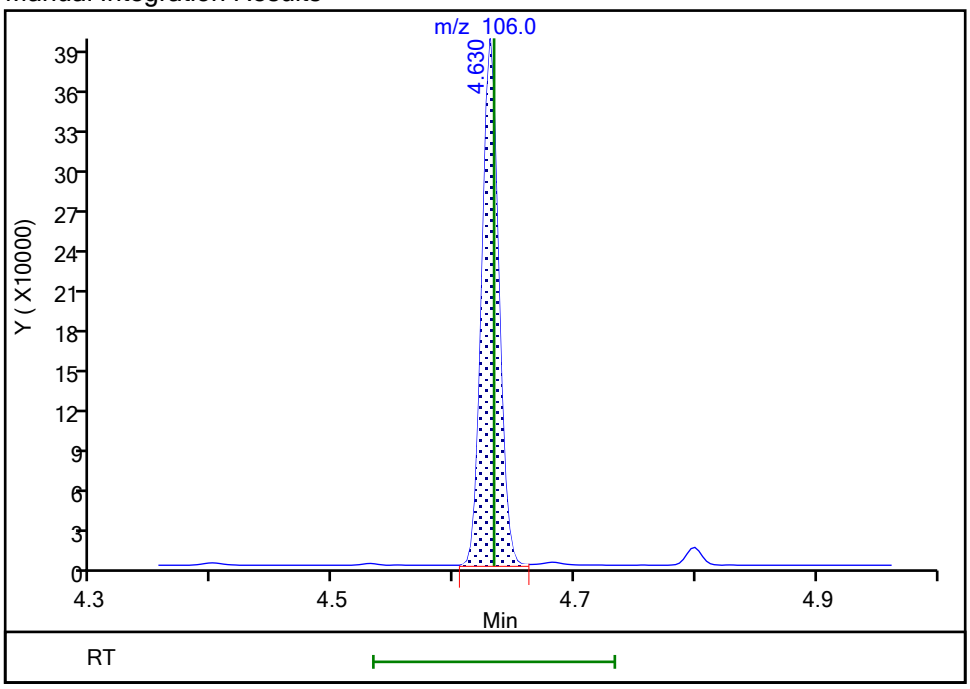
Processing Integration Results

RT: 4.68
Area: 2971
Amount: 0.038210
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 382354
Amount: 4.266865
Amount Units: ug/ml



Reviewer: G4KC, 05-Mar-2024 06:33:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

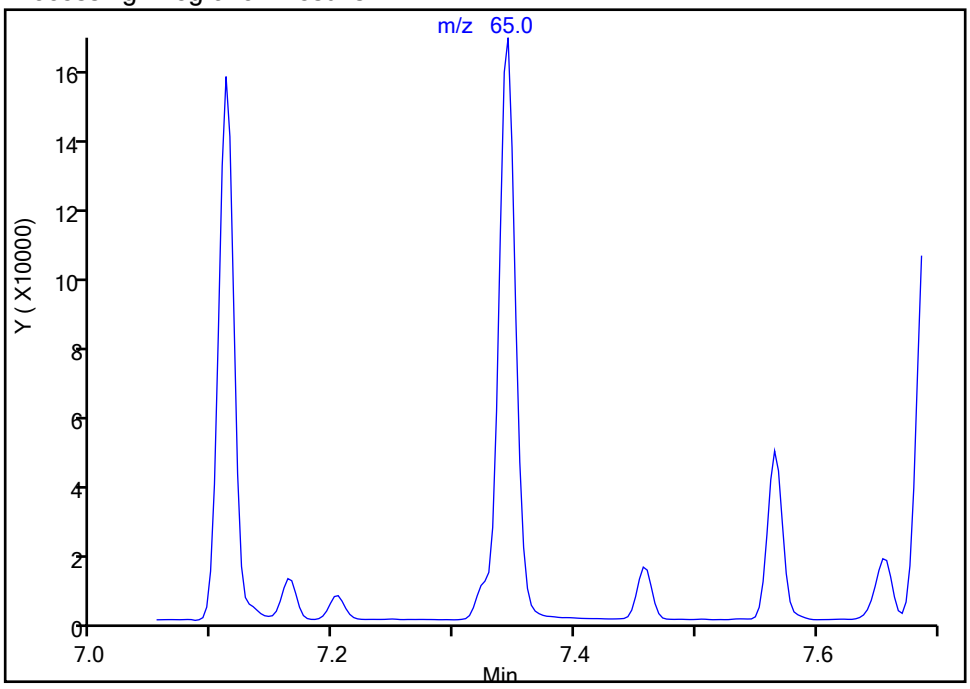
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

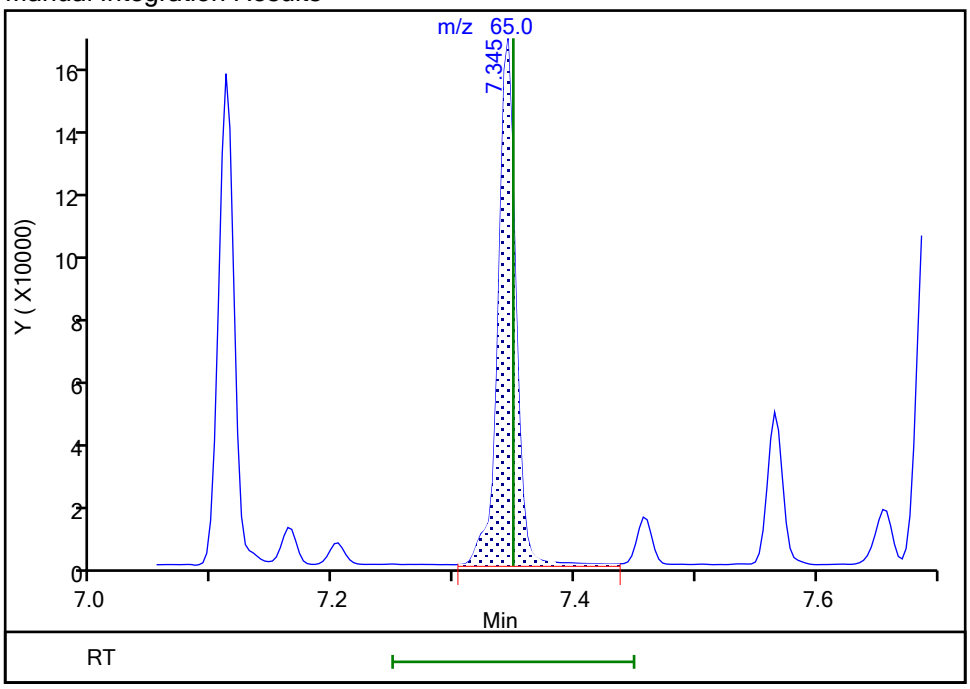
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 166053
Amount: 8.535557
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:58:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Mar-2024 14:12:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-006
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:46 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 14:46:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.703	1.713	-0.010	92	50706	2.00	2.07	
2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	95	74503	2.00	2.00	
3 Pyridine	79	1.981	1.997	-0.016	97	261157	4.00	4.54	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	96	114194	2.00	2.02	
5 Benzaldehyde	77	3.831	3.837	-0.006	95	91105	2.00	2.10	
8 Aniline	93	3.939	3.949	-0.010	98	170083	2.00	2.09	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	98	138519	2.00	2.06	
7 Phenol	94	3.968	3.975	-0.007	98	157069	2.00	2.03	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	125969	2.00	2.11	
10 Benzonitrile	103	4.010	4.019	-0.009	97	228369	NC	NC	
11 2-Chlorophenol	128	4.064	4.070	-0.006	98	126094	2.00	2.01	
12 n-Decane	43	4.086	4.090	-0.004	88	104434	2.00	2.05	
13 1,3-Dichlorobenzene	146	4.189	4.192	-0.003	97	148050	2.00	2.07	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	354643	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	149773	2.00	2.05	
17 Benzyl alcohol	108	4.396	4.406	-0.010	96	78058	2.00	1.95	
18 1,2-Dichlorobenzene	146	4.403	4.406	-0.003	96	142892	2.00	2.06	
21 2,2'-oxybis[1-chloropropane]	45	4.511	4.515	-0.004	93	130391	2.00	2.05	a
20 2-Methylphenol	108	4.527	4.537	-0.010	92	114763	2.00	2.07	
22 N-Methylaniline	106	4.626	4.633	-0.007	99	182059	2.00	2.07	a
23 Acetophenone	105	4.636	4.646	-0.010	95	176805	2.00	2.04	
24 N-Nitrosodi-n-propylamine	70	4.639	4.652	-0.013	82	83203	2.00	2.13	
26 4-Methylphenol	108	4.681	4.687	-0.006	97	121910	2.00	2.05	
25 3 & 4 Methylphenol	108	4.681	4.687	-0.006	62	121910	2.00	2.05	
27 Hexachloroethane	117	4.725	4.729	-0.004	92	52013	2.00	2.09	
$ 28 Nitrobenzene-d5	82	4.777	4.783	-0.006	86	117737	2.00	2.03	
29 Nitrobenzene	123	4.796	4.803	-0.007	96	65847	2.00	2.12	
30 n,n'-Dimethylaniline	120	4.796	4.803	-0.007	93	193989	2.00	2.01	
31 Isophorone	82	5.039	5.049	-0.010	99	216612	2.00	2.03	
32 2-Nitrophenol	139	5.103	5.106	-0.004	96	66076	2.00	1.91	
33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	92	103207	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	150488	2.00	2.02	
35 Benzoic acid	122	5.269	5.314	-0.045	86	57056	2.00	1.67	
36 2,4-Dichlorophenol	162	5.358	5.365	-0.007	97	105392	2.00	1.98	
37 1,2,4-Trichlorobenzene	180	5.409	5.413	-0.004	93	124336	2.00	2.06	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1432430	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	403320	2.00	2.06	
40 4-Chloroaniline	127	5.550	5.557	-0.007	98	153119	2.00	2.15	
41 2,6-Dichlorophenol	162	5.556	5.564	-0.008	98	107184	2.00	2.00	
42 Hexachlorobutadiene	225	5.604	5.605	-0.001	97	68269	2.00	2.05	
44 Caprolactam	113	5.895	5.931	-0.036	93	25461	2.00	1.91	
45 4-Chloro-3-methylphenol	107	6.055	6.059	-0.004	95	100576	2.00	2.00	
46 2-Methylnaphthalene	142	6.144	6.149	-0.005	85	260464	2.00	2.06	
47 1-Methylnaphthalene	142	6.237	6.241	-0.004	92	242148	2.00	2.05	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	97	76641	2.00	1.89	
49 1,2,4,5-Tetrachlorobenzene	216	6.301	6.305	-0.004	98	119925	2.00	1.98	
50 2-tertbutyl-4-methylphenol	149	6.362	6.369	-0.007	91	141396	2.00	1.96	
51 2,4,6-Trichlorophenol	196	6.429	6.433	-0.004	91	75798	2.00	2.02	
52 2,4,5-Trichlorophenol	196	6.486	6.488	-0.002	98	80374	2.00	1.94	
$ 53 2-Fluorobiphenyl	172	6.496	6.501	-0.005	98	286156	2.00	2.01	
54 1,1'-Biphenyl	154	6.589	6.594	-0.005	96	320039	2.00	2.00	
55 2-Chloronaphthalene	162	6.605	6.610	-0.005	99	251351	2.00	2.03	
56 Phenyl ether	170	6.691	6.696	-0.005	85	163820	2.00	1.94	
57 2-Nitroaniline	65	6.717	6.725	-0.008	93	54548	2.00	1.95	
58 1,3-Dimethylnaphthalene	156	6.816	6.818	-0.002	92	184259	2.00	1.94	
59 Dimethyl phthalate	163	6.896	6.904	-0.008	99	267716	2.00	2.05	
60 Coumarin	146	6.905	6.914	-0.009	82	80478	2.00	1.98	
61 2,6-Dinitrotoluene	165	6.944	6.952	-0.008	96	56194	2.00	2.04	
62 Acenaphthylene	152	6.995	7.000	-0.005	98	395428	2.00	2.05	
63 3-Nitroaniline	138	7.110	7.118	-0.008	95	60477	2.00	2.00	
* 64 Acenaphthene-d10	164	7.129	7.134	-0.005	95	773076	8.00	8.00	
65 Acenaphthene	154	7.161	7.166	-0.005	95	235101	2.00	2.04	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.164	7.166	-0.002	97	200172	2.00	1.89	
67 2,4-Dinitrophenol	184	7.203	7.211	-0.008	96	63614	4.00	3.63	
69 2,4-Dinitrotoluene	165	7.324	7.330	-0.006	93	69937	2.00	2.03	
70 Dibenzofuran	168	7.324	7.330	-0.006	99	355996	2.00	2.06	
68 4-Nitrophenol	65	7.344	7.349	-0.005	90	79500	4.00	4.01	a
71 2,3,4,6-Tetrachlorophenol	232	7.455	7.461	-0.006	95	66120	2.00	2.01	
72 Diethyl phthalate	149	7.564	7.573	-0.009	99	263571	2.00	2.08	
73 Fluorene	166	7.647	7.653	-0.006	94	278018	2.00	2.04	
74 4-Chlorophenyl phenyl ether	204	7.657	7.660	-0.003	92	134894	2.00	2.03	
75 4-Nitroaniline	138	7.686	7.701	-0.015	86	52576	2.00	1.94	
76 4,6-Dinitro-2-methylphenol	198	7.705	7.714	-0.009	91	83673	4.00	3.74	
77 N-Nitrosodiphenylamine	169	7.772	7.778	-0.006	99	188492	2.00	1.98	
78 1,2-Diphenylhydrazine	77	7.804	7.810	-0.006	98	244414	2.00	1.97	
131 Azobenzene	77	7.804	7.810	-0.006	0	244635	2.00	1.98	
$ 79 2,4,6-Tribromophenol	330	7.881	7.887	-0.006	92	47802	2.00	1.96	
80 4-Bromophenyl phenyl ether	248	8.117	8.121	-0.004	93	79245	2.00	2.01	
82 Hexachlorobenzene	284	8.165	8.169	-0.004	94	100916	2.00	2.09	
83 Atrazine	200	8.293	8.303	-0.010	95	59931	2.00	2.07	
84 Pentachlorophenol	266	8.367	8.374	-0.007	92	101369	4.00	3.69	
85 Pentachloronitrobenzene	237	8.367	8.374	-0.007	56	28182	2.00	1.87	
87 n-Octadecane	57	8.460	8.464	-0.004	89	148157	2.00	1.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.533	8.537	-0.004	98	1350719	8.00	8.00	
89 Phenanthrene	178	8.553	8.560	-0.007	97	384246	2.00	2.08	
90 Anthracene	178	8.601	8.608	-0.007	98	380250	2.00	2.04	
91 Carbazole	167	8.767	8.774	-0.007	96	325686	2.00	2.02	
92 Di-n-butyl phthalate	149	9.115	9.120	-0.005	99	358989	2.00	1.91	
93 Fluoranthene	202	9.675	9.680	-0.005	97	361636	2.00	2.05	
94 Benzidine	184	9.822	9.828	-0.006	99	156919	2.00	1.94	
95 Pyrene	202	9.886	9.892	-0.006	97	372786	2.00	2.06	
96 Bisphenol-A	213	9.973	9.979	-0.006	99	121033	2.00	1.85	
$ 97 Terphenyl-d14	244	10.053	10.056	-0.003	97	288427	2.00	2.02	
98 Butyl benzyl phthalate	149	10.553	10.560	-0.008	96	125591	2.00	1.85	
100 Carbamazepine	193	10.655	10.666	-0.011	92	66812	2.00	1.85	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	98	105054	2.00	1.92	
102 Benzo[a]anthracene	228	11.117	11.122	-0.006	99	309193	2.00	2.02	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	939750	8.00	8.00	
104 Chrysene	228	11.155	11.161	-0.006	98	288582	2.00	2.02	
105 Bis(2-ethylhexyl) phthalate	149	11.206	11.212	-0.006	86	171445	2.00	1.90	
106 Di-n-octyl phthalate	149	12.018	12.028	-0.010	96	270915	2.00	1.83	
107 Benzo[b]fluoranthene	252	12.438	12.446	-0.008	99	280729	2.00	2.01	
108 Benzo[k]fluoranthene	252	12.473	12.485	-0.012	99	300978	2.00	2.10	
109 Benzo[a]pyrene	252	12.871	12.881	-0.010	97	254959	2.00	2.09	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	908945	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.443	14.457	-0.014	99	256783	2.00	2.02	
112 Dibenz(a,h)anthracene	278	14.492	14.505	-0.013	97	289375	2.00	2.08	
113 Benzo[g,h,i]perylene	276	14.839	14.860	-0.021	98	278054	2.00	1.97	
S 115 Total Cresols	1				0			4.12	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00007 Amount Added: 1.00 Units: mL

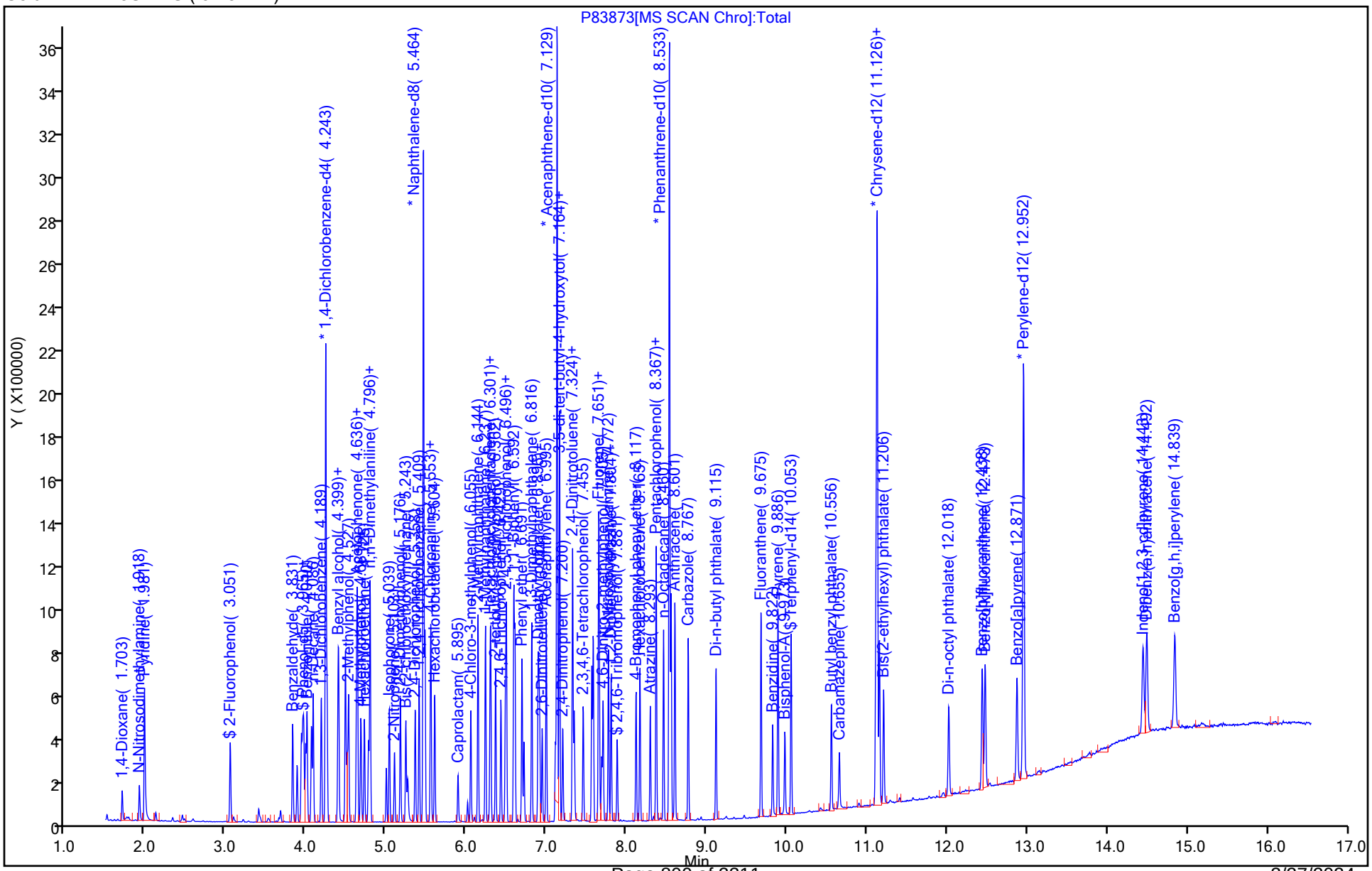
Report Date: 05-Mar-2024 06:44:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D

Injection Date:	04-Mar-2024 14:12:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

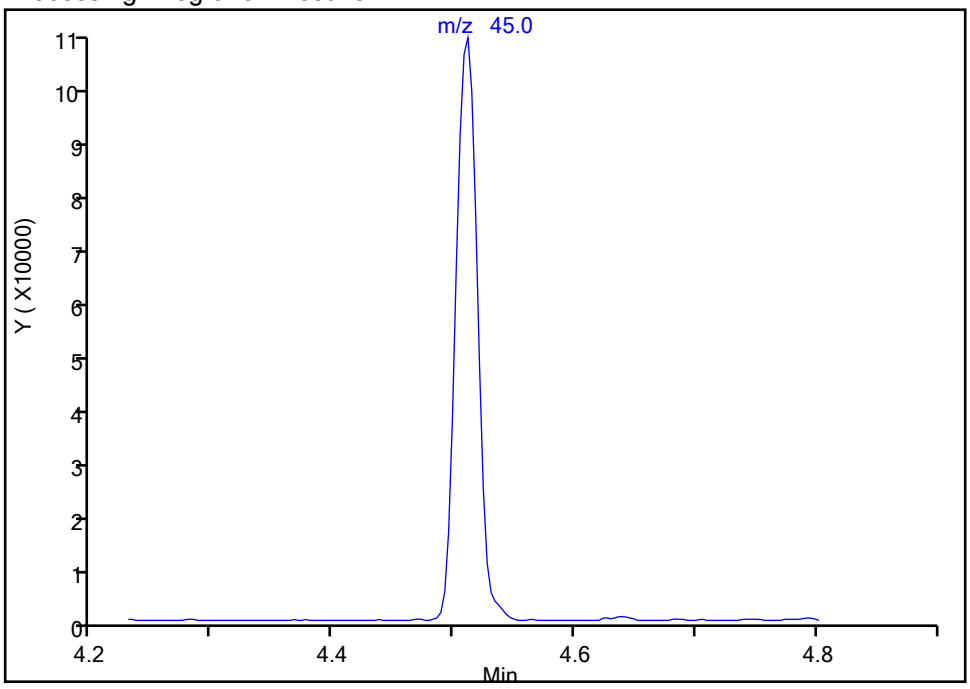
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Injection Date: 04-Mar-2024 14:12:30 Instrument ID: CBNAMS18
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

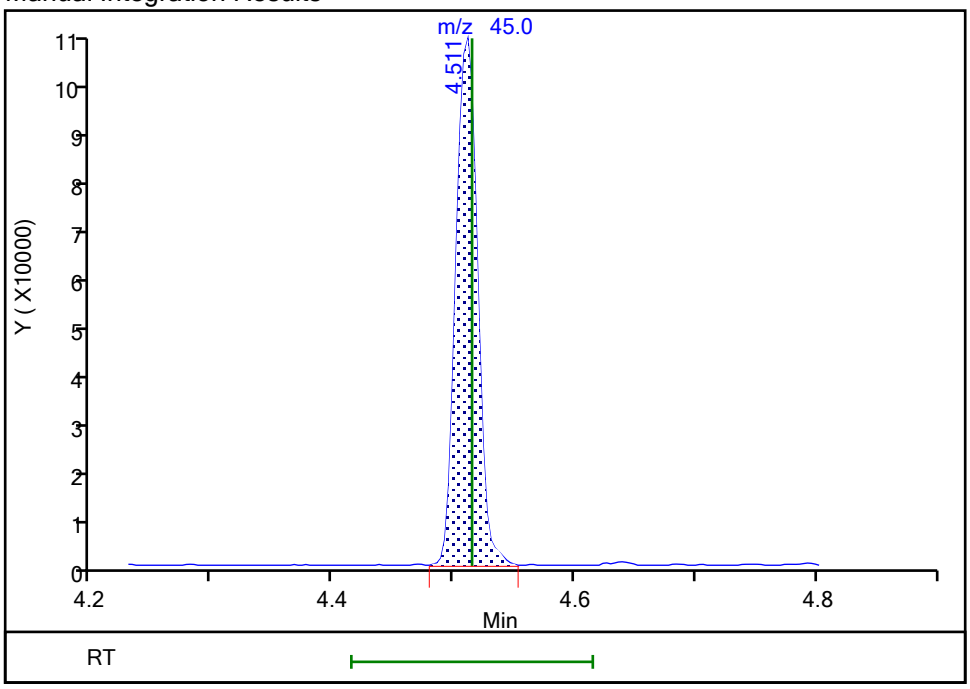
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 130391
Amount: 2.048480
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:45:05 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

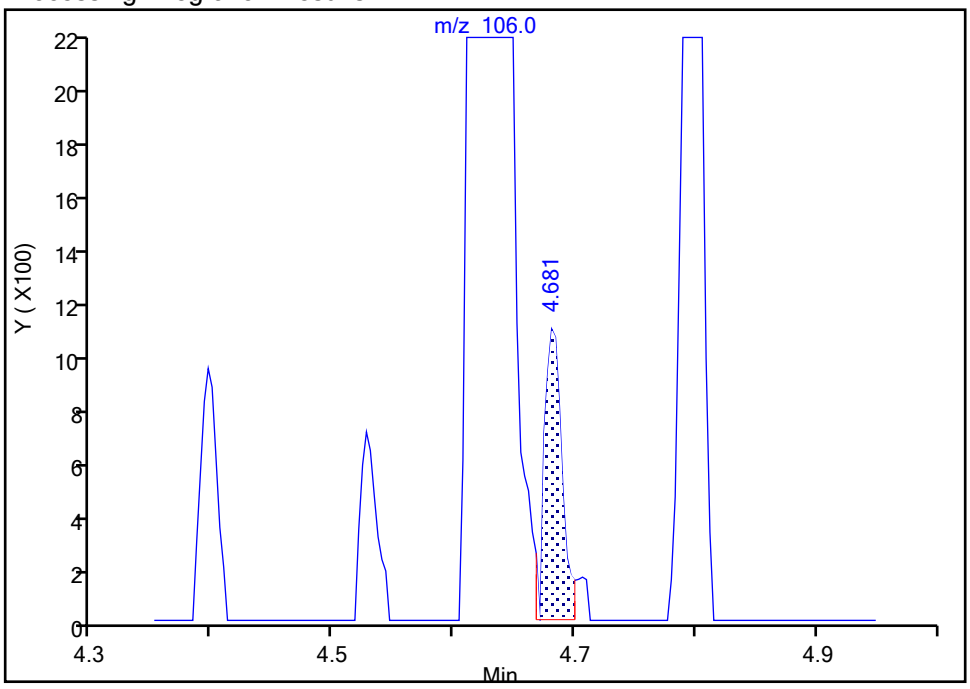
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Injection Date: 04-Mar-2024 14:12:30 Instrument ID: CBNAMS18
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

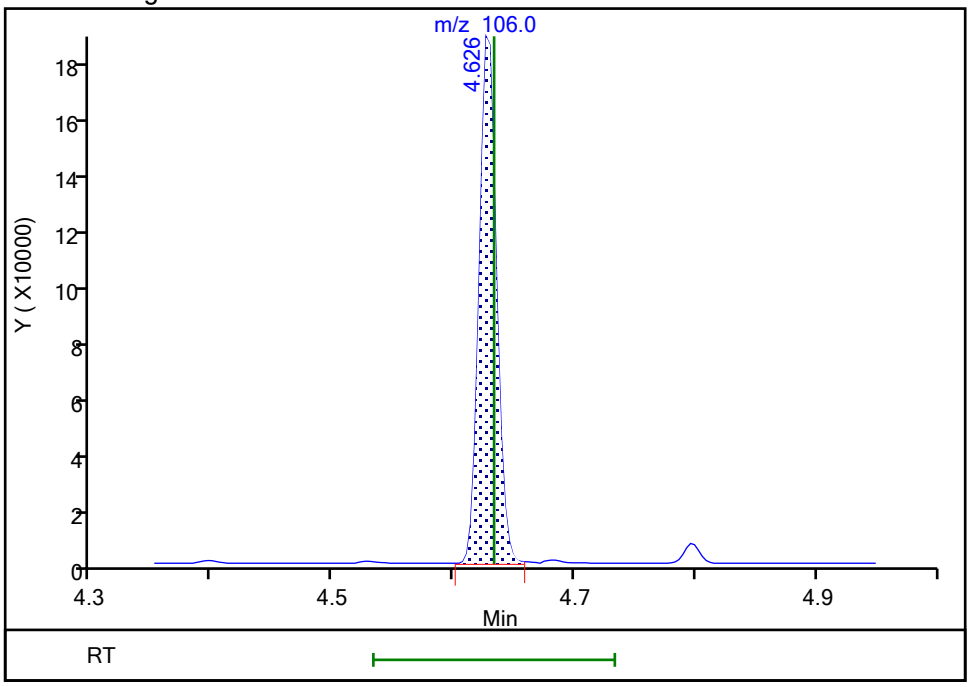
Processing Integration Results

RT: 4.68
Area: 1123
Amount: 2.539930
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 182059
Amount: 2.065452
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:46:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

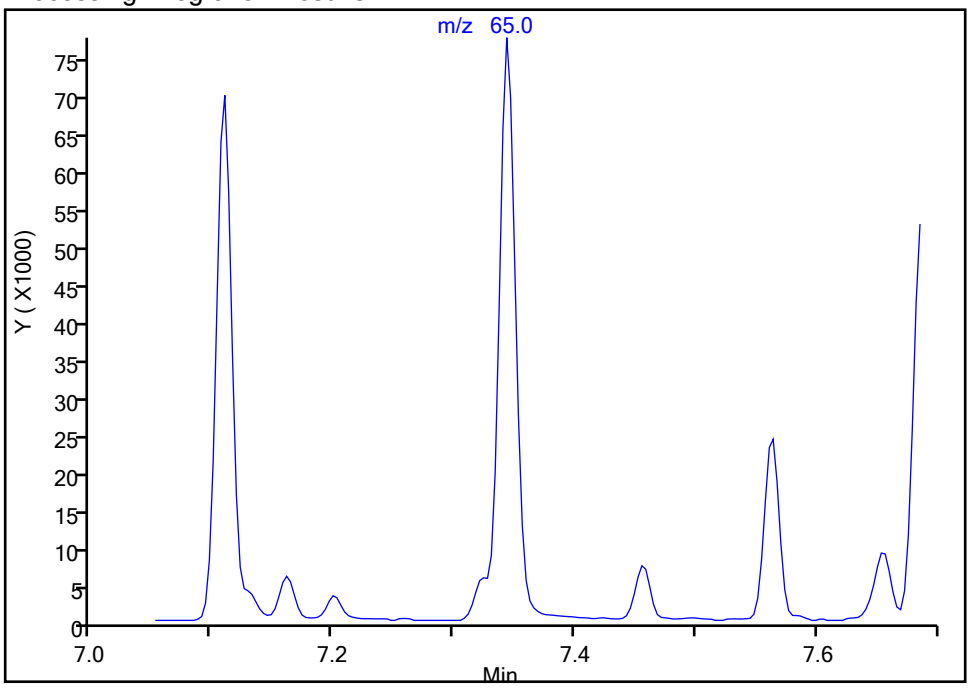
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D				
Injection Date:	04-Mar-2024 14:12:30	Instrument ID:	CBNAMS18		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

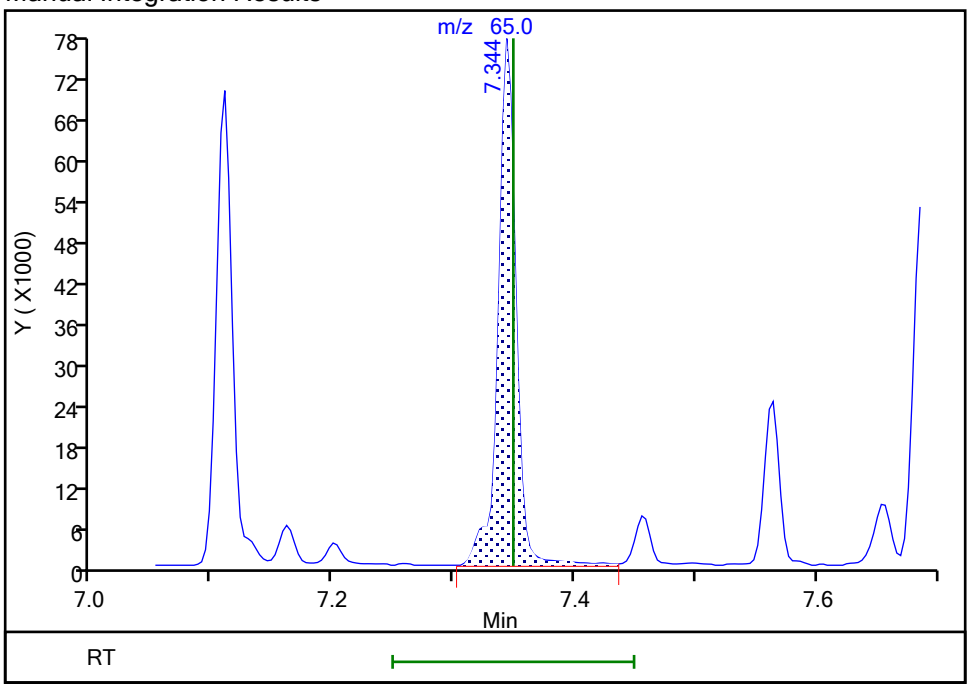
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 79500
Amount: 4.011979
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:45:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Mar-2024 14:54:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-007
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:51 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 15:19:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.704	1.713	-0.009	92	24808	1.00	0.9860	
	2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	95	36544	1.00	0.9577	
	3 Pyridine	79	1.982	1.997	-0.015	97	122399	2.00	2.07	
$	4 2-Fluorophenol	112	3.051	3.058	-0.007	97	54461	1.00	0.9367	
	5 Benzaldehyde	77	3.830	3.837	-0.007	96	44409	1.00	1.00	
	8 Aniline	93	3.939	3.949	-0.010	98	78497	1.00	0.9398	
$	6 Phenol-d5	99	3.955	3.962	-0.007	99	66245	1.00	0.9592	
	7 Phenol	94	3.968	3.975	-0.007	96	74893	1.00	0.9436	
	9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	62089	1.00	1.01	
	10 Benzonitrile	103	4.009	4.019	-0.010	97	110053	NC	NC	
	11 2-Chlorophenol	128	4.064	4.070	-0.006	97	60280	1.00	0.9335	
	12 n-Decane	43	4.086	4.090	-0.004	88	50215	1.00	0.9607	
	13 1,3-Dichlorobenzene	146	4.188	4.192	-0.004	96	74722	1.00	1.02	
*	14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	364169	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	95	74773	1.00	1.00	
	17 Benzyl alcohol	108	4.396	4.406	-0.010	96	36677	1.00	0.8914	
	18 1,2-Dichlorobenzene	146	4.402	4.406	-0.004	95	67817	1.00	0.9532	
	21 2,2'-oxybis[1-chloropropane]	45	4.511	4.515	-0.004	93	64308	1.00	0.9839	a
	20 2-Methylphenol	108	4.527	4.537	-0.010	91	52594	1.00	0.9229	
	22 N-Methylaniline	106	4.626	4.633	-0.007	97	89196	1.00	0.9855	a
	23 Acetophenone	105	4.636	4.646	-0.010	93	82324	1.00	0.9261	
	24 N-Nitrosodi-n-propylamine	70	4.639	4.652	-0.013	82	40193	1.00	1.00	
	26 4-Methylphenol	108	4.680	4.687	-0.007	97	56662	1.00	0.9290	
	25 3 & 4 Methylphenol	108	4.680	4.687	-0.007	62	56662	1.00	0.9286	
	27 Hexachloroethane	117	4.725	4.729	-0.004	92	25314	1.00	0.99	
$	28 Nitrobenzene-d5	82	4.776	4.783	-0.007	85	57066	1.00	0.9760	
	29 Nitrobenzene	123	4.795	4.803	-0.008	95	31418	1.00	0.9872	
	30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	94	94274	1.00	0.9527	
	31 Isophorone	82	5.035	5.049	-0.014	99	102118	1.00	0.9481	
	32 2-Nitrophenol	139	5.102	5.106	-0.004	95	31950	1.00	0.9173	
	33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	92	49514	1.00	0.9290	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	71524	1.00	0.9543	
35 Benzoic acid	122	5.259	5.314	-0.055	91	26191	1.00	0.7603	
36 2,4-Dichlorophenol	162	5.361	5.365	-0.004	96	50413	1.00	0.9385	
37 1,2,4-Trichlorobenzene	180	5.409	5.413	-0.004	93	61164	1.00	1.01	
* 38 Naphthalene-d8	136	5.463	5.464	-0.001	99	1443569	8.00	8.00	
39 Naphthalene	128	5.482	5.487	-0.005	99	202151	1.00	1.02	
40 4-Chloroaniline	127	5.549	5.557	-0.008	98	74268	1.00	1.04	
41 2,6-Dichlorophenol	162	5.556	5.564	-0.008	97	51585	1.00	0.9567	
42 Hexachlorobutadiene	225	5.604	5.605	-0.001	96	33715	1.00	1.01	
44 Caprolactam	113	5.888	5.931	-0.043	94	11851	1.00	0.9346	
45 4-Chloro-3-methylphenol	107	6.054	6.059	-0.005	95	45832	1.00	0.9042	
46 2-Methylnaphthalene	142	6.144	6.149	-0.005	84	127571	1.00	1.00	
47 1-Methylnaphthalene	142	6.236	6.241	-0.005	92	119543	1.00	1.00	
48 Hexachlorocyclopentadiene	237	6.294	6.299	-0.005	97	36886	1.00	0.8916	
49 1,2,4,5-Tetrachlorobenzene	216	6.303	6.305	-0.002	98	59521	1.00	0.9634	
50 2-tertbutyl-4-methylphenol	149	6.361	6.369	-0.008	91	67479	1.00	0.9290	
51 2,4,6-Trichlorophenol	196	6.428	6.433	-0.005	90	35905	1.00	0.9377	
52 2,4,5-Trichlorophenol	196	6.486	6.488	-0.002	98	39014	1.00	0.9258	
$ 53 2-Fluorobiphenyl	172	6.498	6.501	-0.003	98	140869	1.00	0.9692	
54 1,1'-Biphenyl	154	6.591	6.594	-0.003	95	160507	1.00	0.9854	
55 2-Chloronaphthalene	162	6.604	6.610	-0.006	99	125246	1.00	0.99	
56 Phenyl ether	170	6.693	6.696	-0.003	84	82319	1.00	0.9587	
57 2-Nitroaniline	65	6.716	6.725	-0.009	95	24833	1.00	0.8697	
58 1,3-Dimethylnaphthalene	156	6.815	6.818	-0.003	91	88027	1.00	0.9104	
59 Dimethyl phthalate	163	6.891	6.904	-0.013	99	127371	1.00	0.9581	
60 Coumarin	146	6.904	6.914	-0.010	82	38235	1.00	0.9349	
61 2,6-Dinitrotoluene	165	6.943	6.952	-0.009	97	26390	1.00	0.9422	
62 Acenaphthylene	152	6.994	7.000	-0.006	98	192808	1.00	0.9793	
63 3-Nitroaniline	138	7.109	7.118	-0.009	96	26178	1.00	0.8496	
* 64 Acenaphthene-d10	164	7.131	7.134	-0.003	96	787507	8.00	8.00	
65 Acenaphthene	154	7.160	7.166	-0.006	96	116951	1.00	1.00	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.163	7.166	-0.003	97	98936	1.00	0.9149	
67 2,4-Dinitrophenol	184	7.202	7.211	-0.009	96	25186	2.00	1.41	
69 2,4-Dinitrotoluene	165	7.323	7.330	-0.007	92	31451	1.00	0.8982	
70 Dibenzofuran	168	7.323	7.330	-0.007	99	173983	1.00	0.9886	
68 4-Nitrophenol	65	7.345	7.349	-0.004	92	33226	2.00	1.65	a
71 2,3,4,6-Tetrachlorophenol	232	7.457	7.461	-0.004	95	30632	1.00	0.9136	
72 Diethyl phthalate	149	7.563	7.573	-0.010	98	123340	1.00	0.9557	
73 Fluorene	166	7.649	7.653	-0.004	97	139690	1.00	1.00	
74 4-Chlorophenyl phenyl ether	204	7.656	7.660	-0.004	91	67817	1.00	1.00	
75 4-Nitroaniline	138	7.684	7.701	-0.017	86	21980	1.00	0.7944	
76 4,6-Dinitro-2-methylphenol	198	7.704	7.714	-0.010	90	35349	2.00	1.53	
77 N-Nitrosodiphenylamine	169	7.771	7.778	-0.007	98	92418	1.00	0.9407	
78 1,2-Diphenylhydrazine	77	7.803	7.810	-0.007	98	116382	1.00	0.9112	
131 Azobenzene	77	7.803	7.810	-0.007	0	116240	1.00	0.9100	
$ 79 2,4,6-Tribromophenol	330	7.879	7.887	-0.008	91	22328	1.00	0.9010	
80 4-Bromophenyl phenyl ether	248	8.116	8.121	-0.005	94	38781	1.00	0.9524	
82 Hexachlorobenzene	284	8.164	8.169	-0.005	95	48646	1.00	0.9789	
83 Atrazine	200	8.292	8.303	-0.011	95	28711	1.00	0.9596	
85 Pentachloronitrobenzene	237	8.368	8.374	-0.006	57	13794	1.00	0.8850	
84 Pentachlorophenol	266	8.368	8.374	-0.006	92	45601	2.00	1.61	
87 n-Octadecane	57	8.458	8.464	-0.006	88	70807	1.00	0.8887	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1393221	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	98	187820	1.00	0.9838	
90 Anthracene	178	8.602	8.608	-0.006	98	181541	1.00	0.9434	
91 Carbazole	167	8.768	8.774	-0.006	95	155683	1.00	0.9380	
92 Di-n-butyl phthalate	149	9.113	9.120	-0.007	99	167749	1.00	0.8638	
93 Fluoranthene	202	9.676	9.680	-0.004	97	176222	1.00	0.9705	
94 Benzidine	184	9.820	9.828	-0.008	99	70810	1.00	0.8489	
95 Pyrene	202	9.887	9.892	-0.005	97	185319	1.00	1.04	
96 Bisphenol-A	213	9.974	9.979	-0.005	99	54429	1.00	0.8454	
$ 97 Terphenyl-d14	244	10.051	10.056	-0.005	97	140556	1.00	1.00	
98 Butyl benzyl phthalate	149	10.553	10.560	-0.007	96	56447	1.00	0.8444	
100 Carbamazepine	193	10.652	10.666	-0.014	92	28955	1.00	1.20	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	97	46492	1.00	0.8663	
102 Benzo[a]anthracene	228	11.114	11.122	-0.008	99	148328	1.00	0.9840	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	924036	8.00	8.00	
104 Chrysene	228	11.152	11.161	-0.009	98	139538	1.00	0.99	
105 Bis(2-ethylhexyl) phthalate	149	11.207	11.212	-0.005	86	76009	1.00	0.8557	
106 Di-n-octyl phthalate	149	12.018	12.028	-0.010	96	113831	1.00	0.7838	
107 Benzo[b]fluoranthene	252	12.435	12.446	-0.011	98	134137	1.00	0.9762	
108 Benzo[k]fluoranthene	252	12.473	12.485	-0.012	99	139133	1.00	0.9898	
109 Benzo[a]pyrene	252	12.871	12.881	-0.010	96	112559	1.00	0.9368	
* 110 Perylene-d12	264	12.951	12.958	-0.007	99	893462	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.442	14.457	-0.015	99	118610	1.00	0.9509	
112 Dibenz(a,h)anthracene	278	14.487	14.505	-0.018	97	129524	1.00	0.9461	
113 Benzo[g,h,i]perylene	276	14.838	14.860	-0.022	98	132491	1.00	0.9547	
S 115 Total Cresols	1				0			1.85	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00007 Amount Added: 1.00 Units: mL

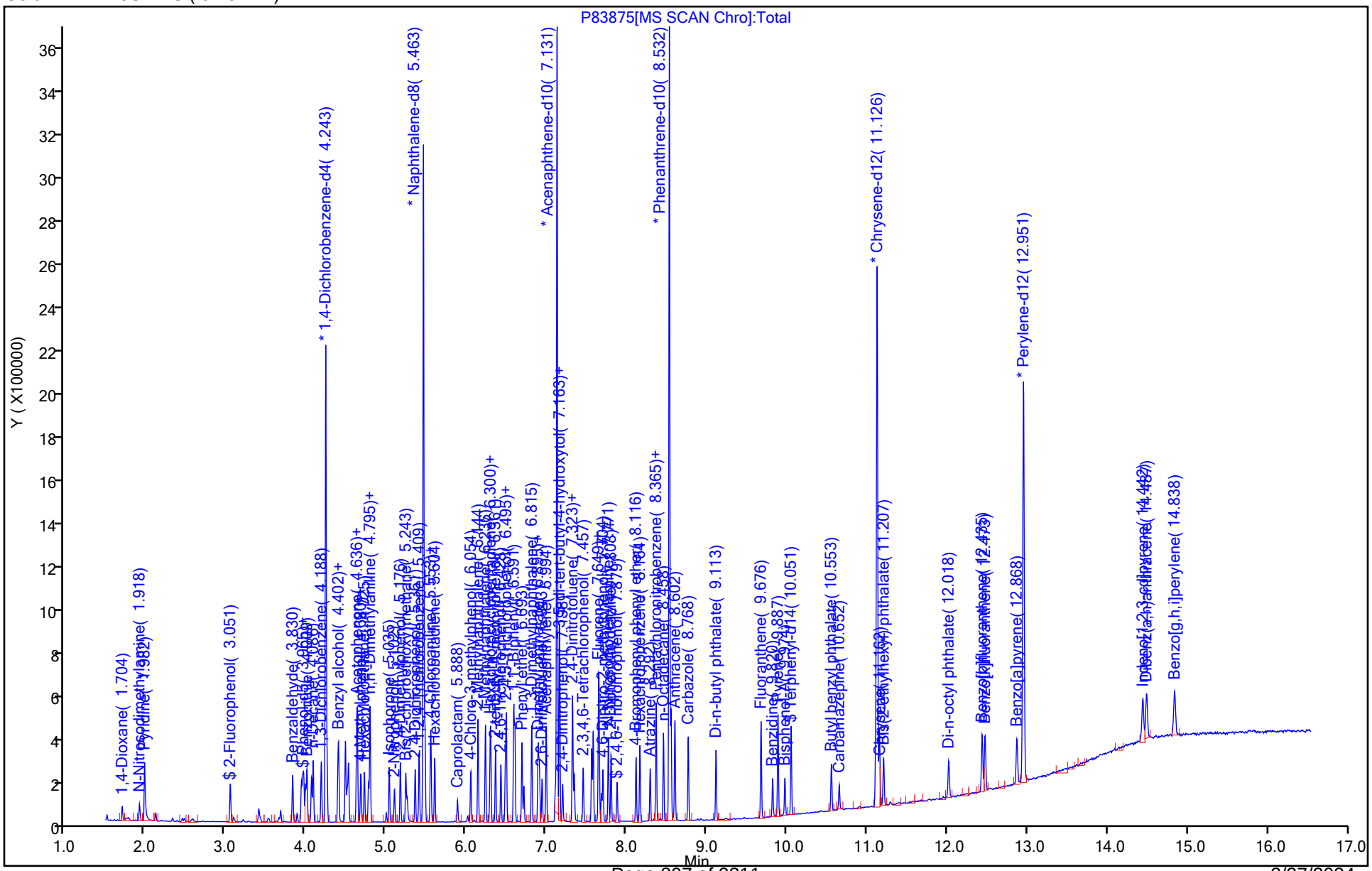
Report Date: 05-Mar-2024 06:44:53 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D

Injection Date:	04-Mar-2024 14:54:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

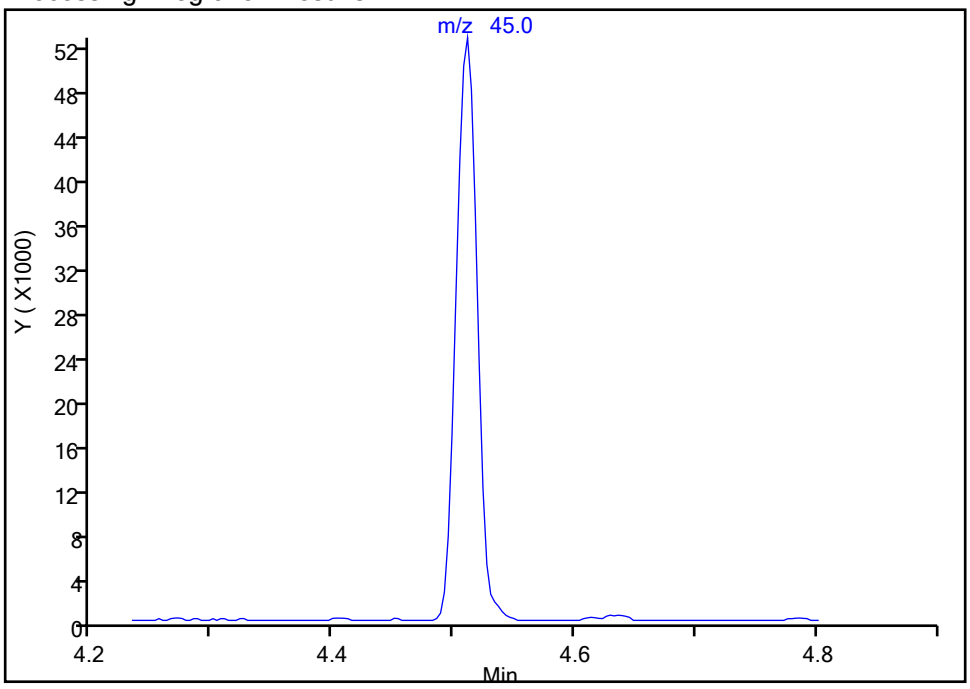
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Injection Date: 04-Mar-2024 14:54:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

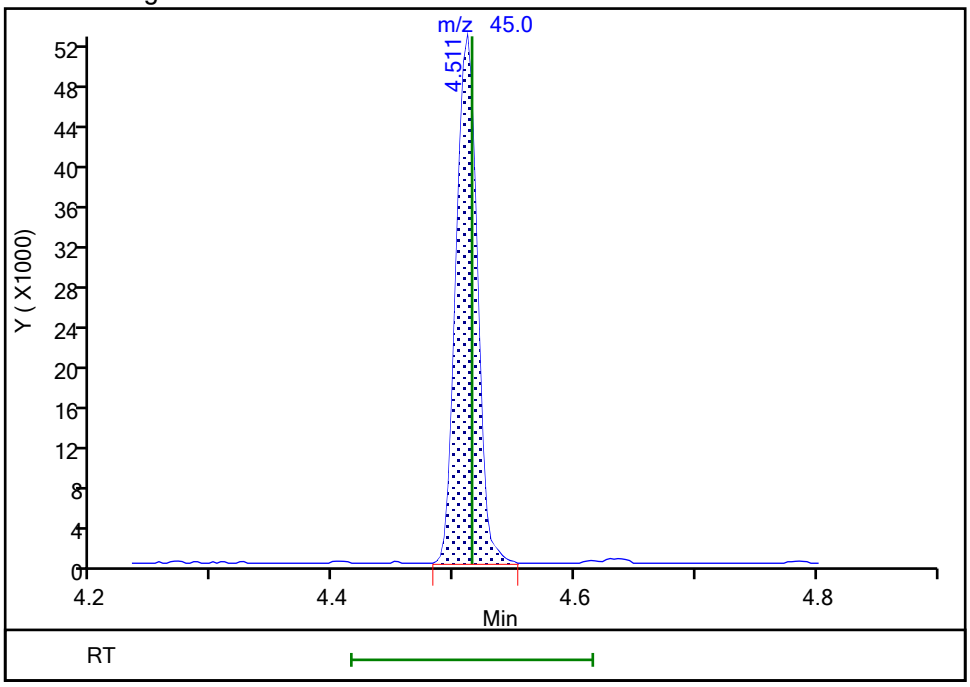
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 64308
Amount: 0.983869
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:18:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

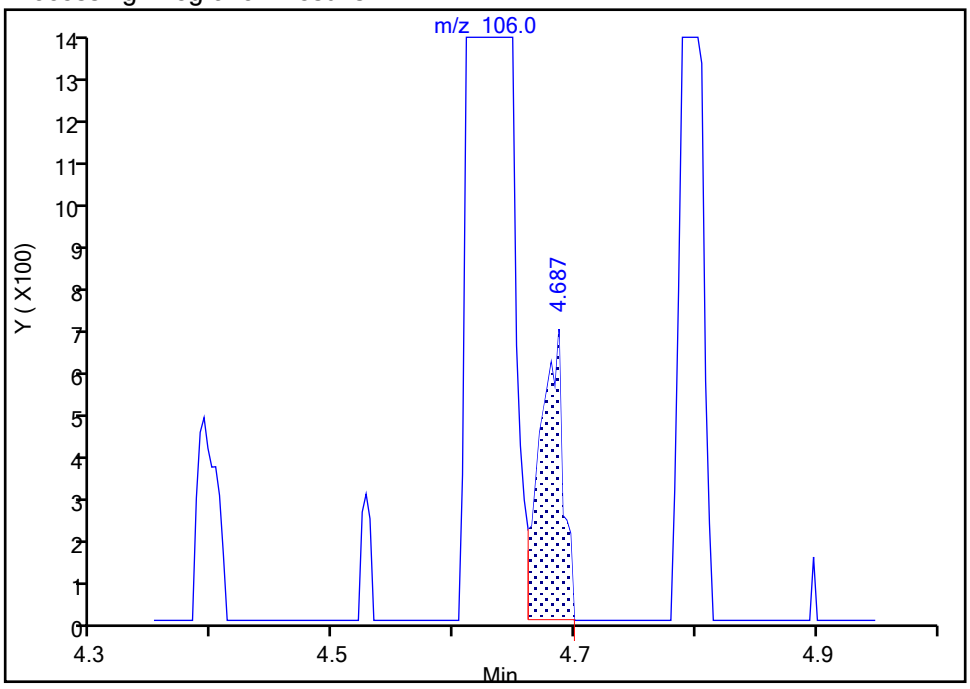
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Injection Date: 04-Mar-2024 14:54:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

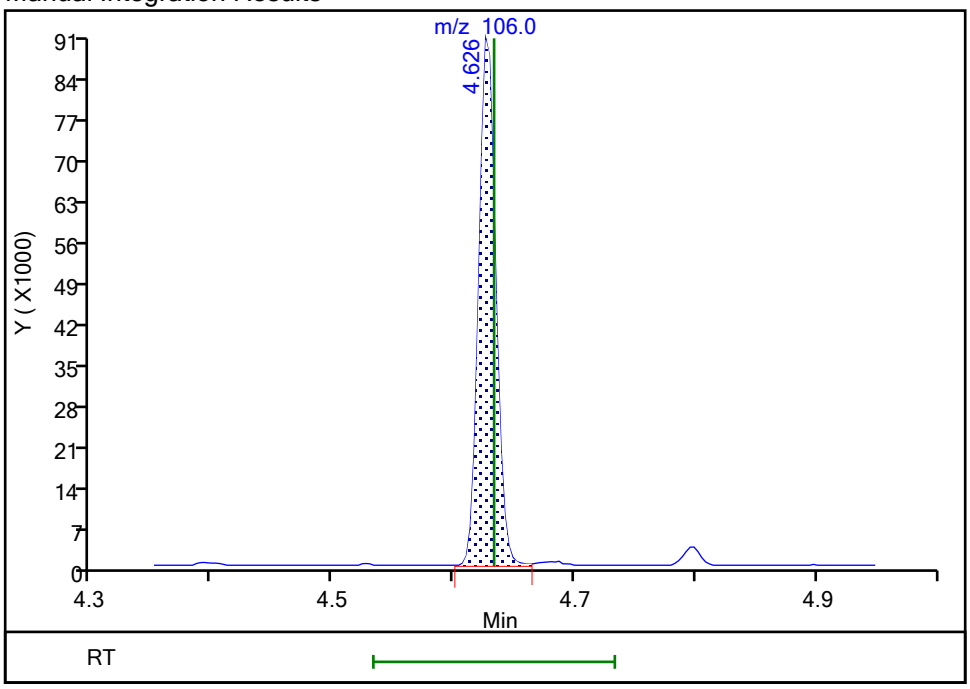
Processing Integration Results

RT: 4.69
Area: 927
Amount: 0.014072
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 89196
Amount: 0.985455
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:19:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

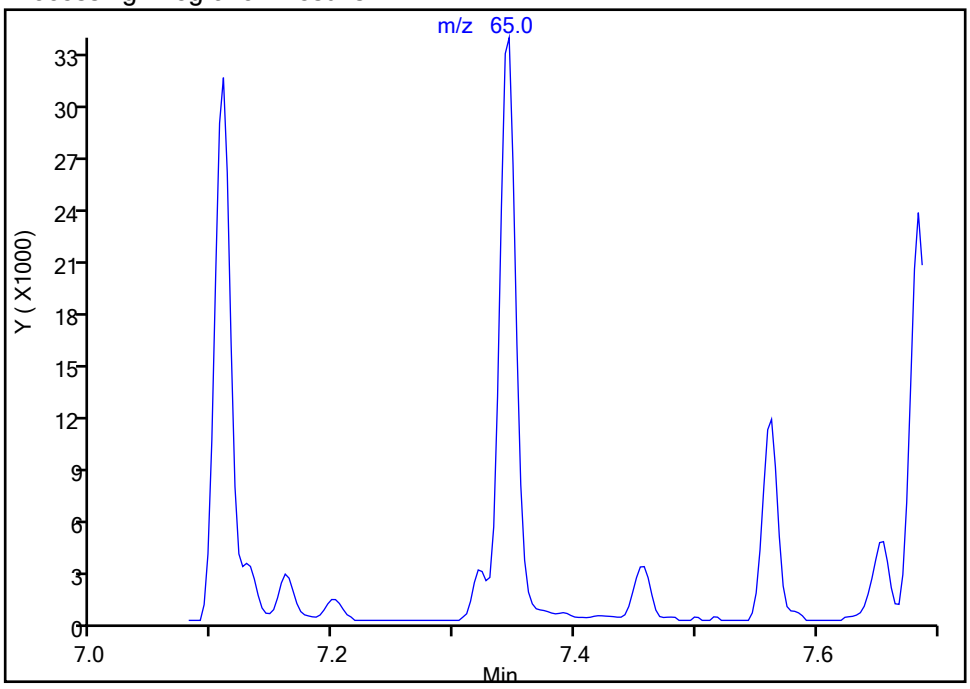
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Injection Date: 04-Mar-2024 14:54:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

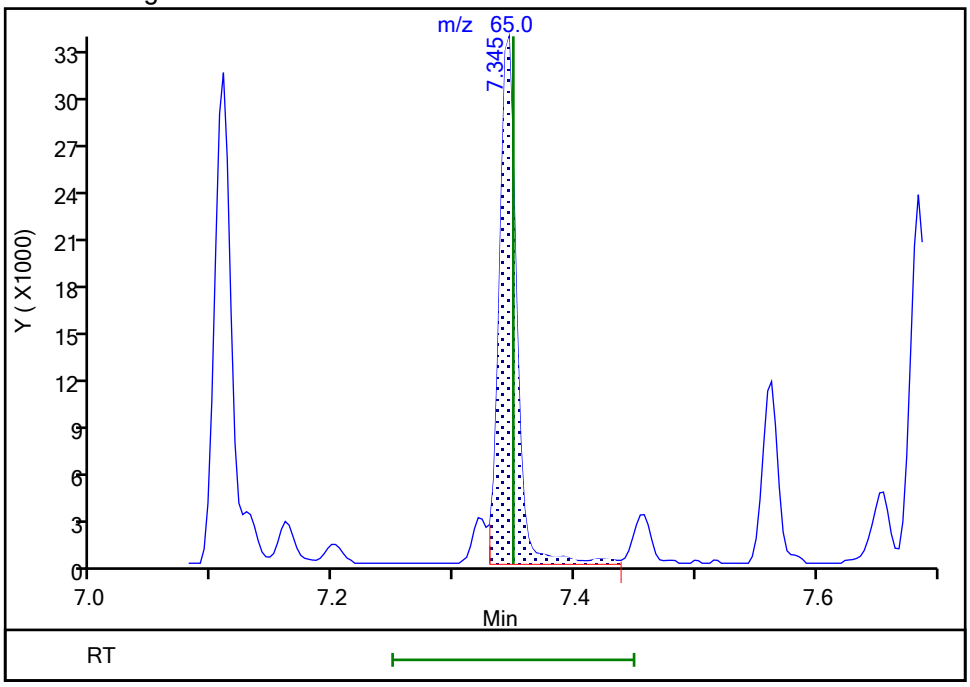
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 33226
Amount: 1.646029
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:19:06 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83877.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Mar-2024 15:37:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-008
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:55 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 15:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.830	3.837	-0.007	95	17020	0.4000	0.3834	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	362908	8.00	8.00	
* 38 Naphthalene-d8	136	5.463	5.464	-0.001	99	1440560	8.00	8.00	
44 Caprolactam	113	5.881	5.931	-0.050	93	4146	0.4000	0.3923	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	792715	8.00	8.00	
83 Atrazine	200	8.290	8.303	-0.013	94	10113	0.4000	0.3310	
* 88 Phenanthrene-d10	188	8.530	8.537	-0.007	98	1422753	8.00	8.00	
* 103 Chrysene-d12	240	11.124	11.132	-0.008	99	958559	8.00	8.00	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	910730	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00007 Amount Added: 1.00 Units: mL

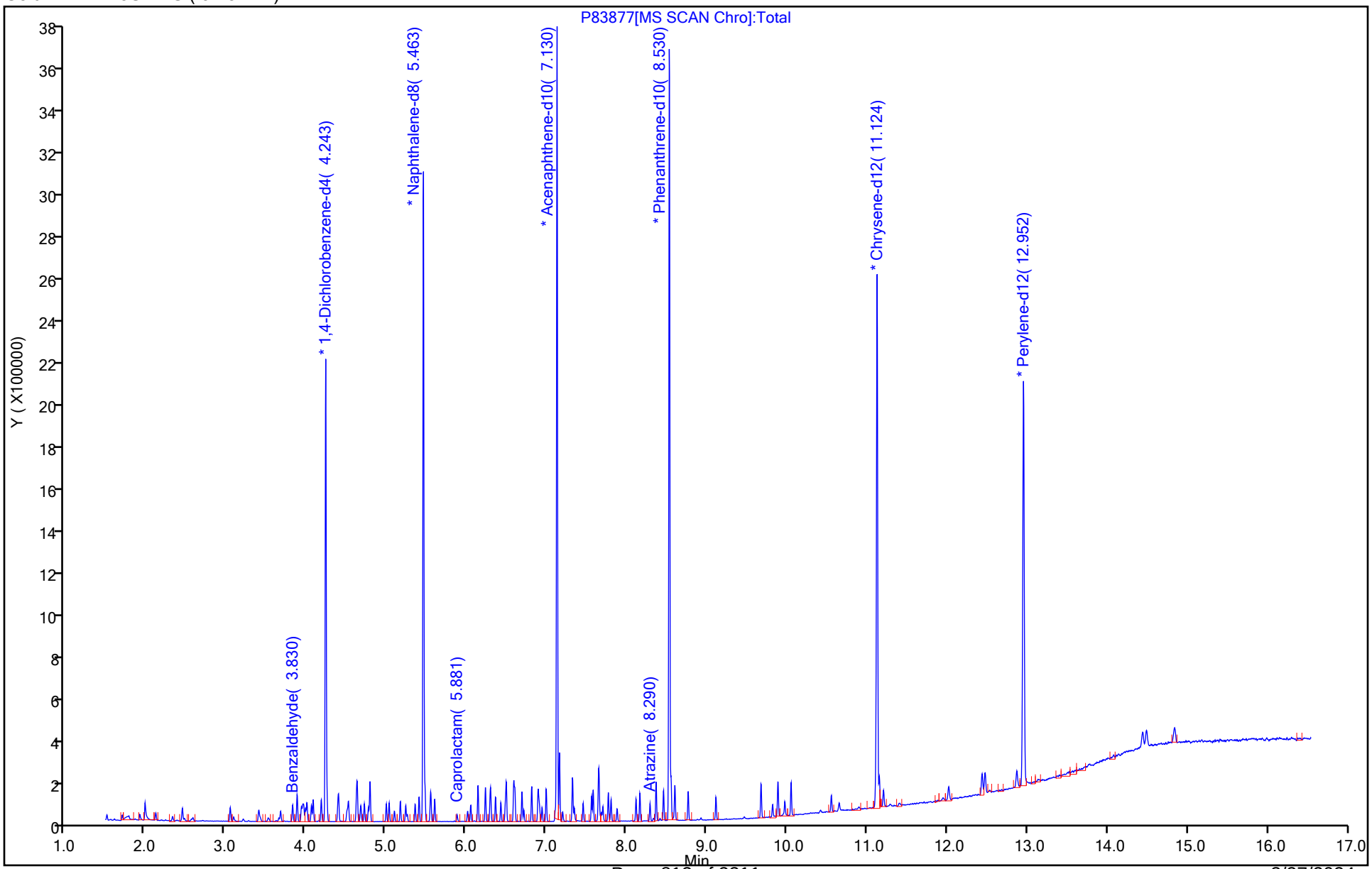
Report Date: 05-Mar-2024 06:44:56 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83877.D

Injection Date:	04-Mar-2024 15:37:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Mar-2024 16:19:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-009
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:57 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 16:40:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.994	1.997	-0.003	97	21937	0.4000	0.3614	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	97	9895	0.2000	0.1655	
5 Benzaldehyde	77	3.830	3.837	-0.007	96	8555	0.2000	0.1868	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	97	12113	0.2000	0.1706	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	11791	0.2000	0.1868	
* 14 1,4-Dichlorobenzene-d4	152	4.242	4.246	-0.004	95	374395	8.00	8.00	
22 N-Methylaniline	106	4.626	4.633	-0.007	99	15733	0.2000	0.1691	
24 N-Nitrosodi-n-propylamine	70	4.635	4.652	-0.017	86	6871	0.2000	0.1668	
27 Hexachloroethane	117	4.725	4.729	-0.004	91	4733	0.2000	0.1801	
$ 28 Nitrobenzene-d5	82	4.776	4.783	-0.007	87	10026	0.2000	0.1673	
29 Nitrobenzene	123	4.795	4.803	-0.008	91	5717	0.2000	0.1747	
30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	91	19079	0.2000	0.1875	
31 Isophorone	82	5.034	5.049	-0.015	98	18480	0.2000	0.1674	
37 1,2,4-Trichlorobenzene	180	5.408	5.413	-0.005	93	11864	0.2000	0.1903	
* 38 Naphthalene-d8	136	5.462	5.464	-0.002	99	1479519	8.00	8.00	
39 Naphthalene	128	5.482	5.487	-0.005	97	39304	0.2000	0.1943	
40 4-Chloroaniline	127	5.549	5.557	-0.008	98	13953	0.2000	0.1900	
42 Hexachlorobutadiene	225	5.603	5.605	-0.002	94	6340	0.2000	0.1844	
44 Caprolactam	113	5.881	5.931	-0.050	90	1528	0.2000	0.2047	
46 2-Methylnaphthalene	142	6.143	6.149	-0.006	83	24166	0.2000	0.1855	
47 1-Methylnaphthalene	142	6.235	6.241	-0.006	93	24037	0.2000	0.1968	
50 2-tertbutyl-4-methylphenol	149	6.363	6.369	-0.006	92	11860	0.2000	0.1593	
51 2,4,6-Trichlorophenol	196	6.427	6.433	-0.006	91	6688	0.2000	0.1724	
$ 53 2-Fluorobiphenyl	172	6.497	6.501	-0.004	98	27913	0.2000	0.1896	
61 2,6-Dinitrotoluene	165	6.941	6.952	-0.011	95	4532	0.2000	0.1597	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	797682	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.321	7.330	-0.009	84	4810	0.2000	0.1356	a
$ 79 2,4,6-Tribromophenol	330	7.881	7.887	-0.006	89	4216	0.2000	0.1680	
82 Hexachlorobenzene	284	8.165	8.169	-0.004	95	9823	0.2000	0.1919	
83 Atrazine	200	8.293	8.303	-0.010	94	5074	0.2000	0.1646	
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1435034	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.677	9.680	-0.003	97	34625	0.2000	0.1851	
95 Pyrene	202	9.888	9.892	-0.004	96	33392	0.2000	0.1880	
$ 97 Terphenyl-d14	244	10.051	10.056	-0.005	97	26088	0.2000	0.1859	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	94	7982	0.2000	0.1491	a
102 Benzo[a]anthracene	228	11.117	11.122	-0.005	99	27987	0.2000	0.1862	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	921501	8.00	8.00	
104 Chrysene	228	11.152	11.161	-0.009	99	27497	0.2000	0.1960	
105 Bis(2-ethylhexyl) phthalate	149	11.206	11.212	-0.006	86	12592	0.2000	0.1422	
107 Benzo[b]fluoranthene	252	12.437	12.446	-0.009	98	25825	0.2000	0.1912	
108 Benzo[k]fluoranthene	252	12.472	12.485	-0.013	99	24073	0.2000	0.1743	
109 Benzo[a]pyrene	252	12.870	12.881	-0.011	96	21139	0.2000	0.1790	
* 110 Perylene-d12	264	12.953	12.958	-0.005	99	878017	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.440	14.457	-0.017	99	21982	0.2000	0.1793	
112 Dibenz(a,h)anthracene	278	14.488	14.505	-0.017	97	24868	0.2000	0.1848	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00005 Amount Added: 1.00 Units: mL

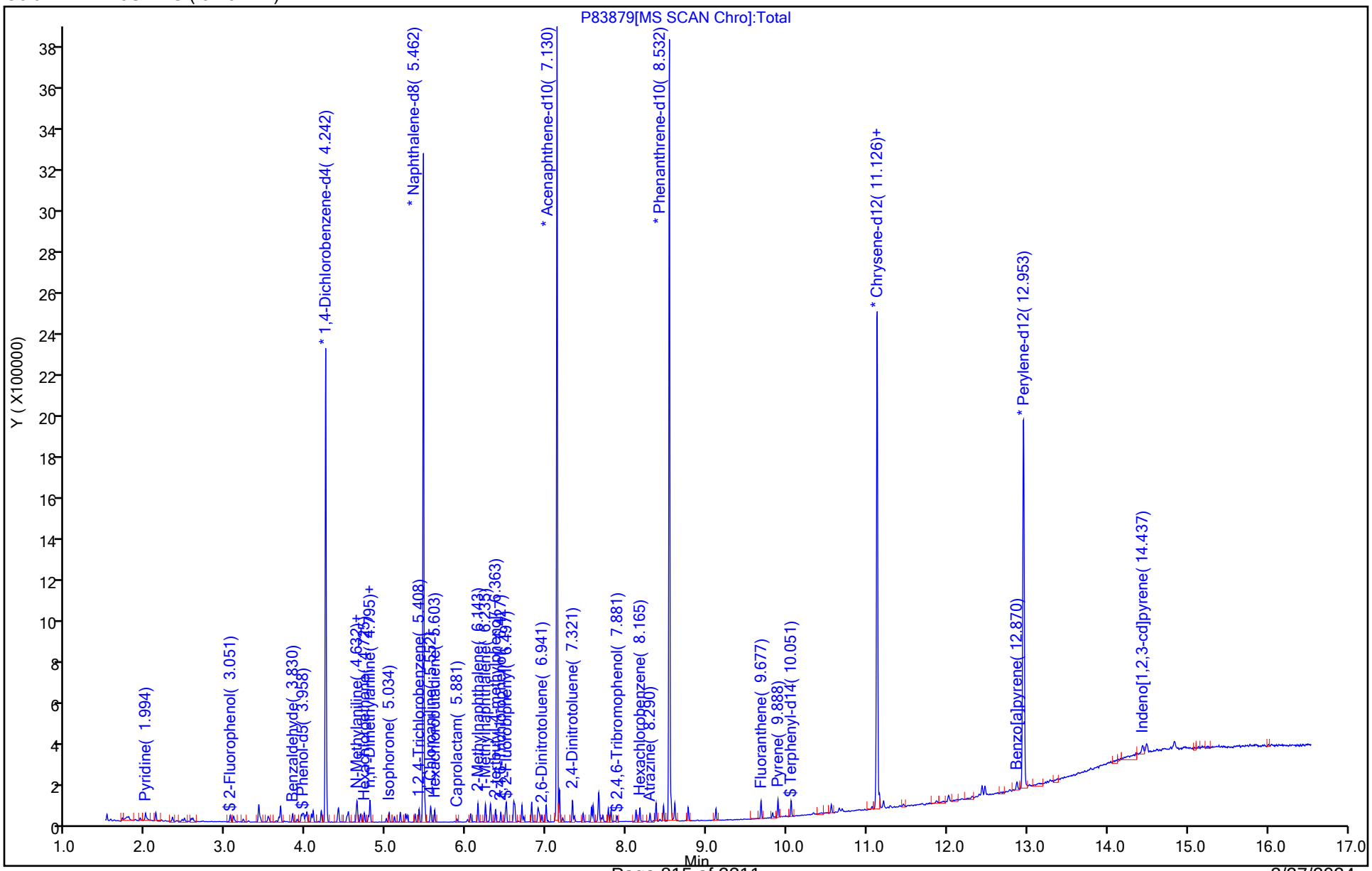
Report Date: 05-Mar-2024 06:44:59 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D

Injection Date:	04-Mar-2024 16:19:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

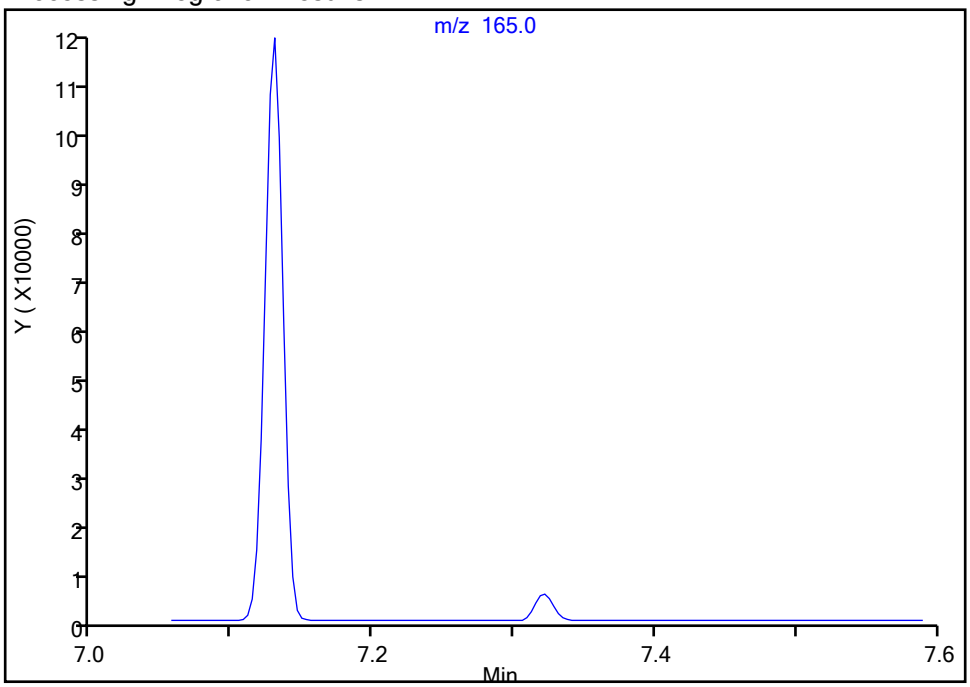
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D
Injection Date: 04-Mar-2024 16:19:30 Instrument ID: CBNAMS18
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

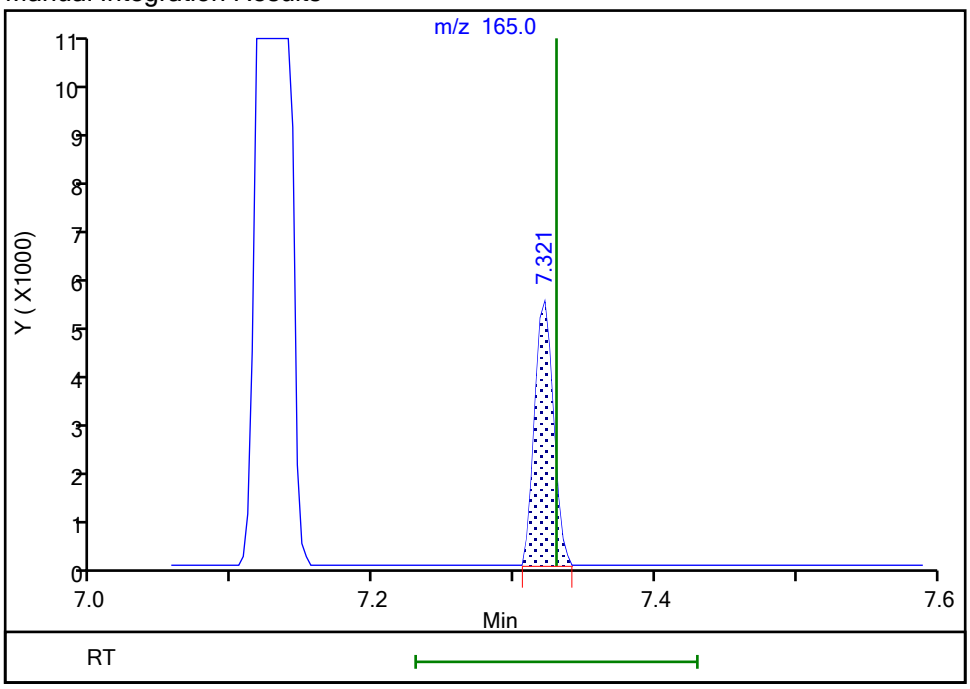
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 4810
Amount: 0.135620
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:40:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

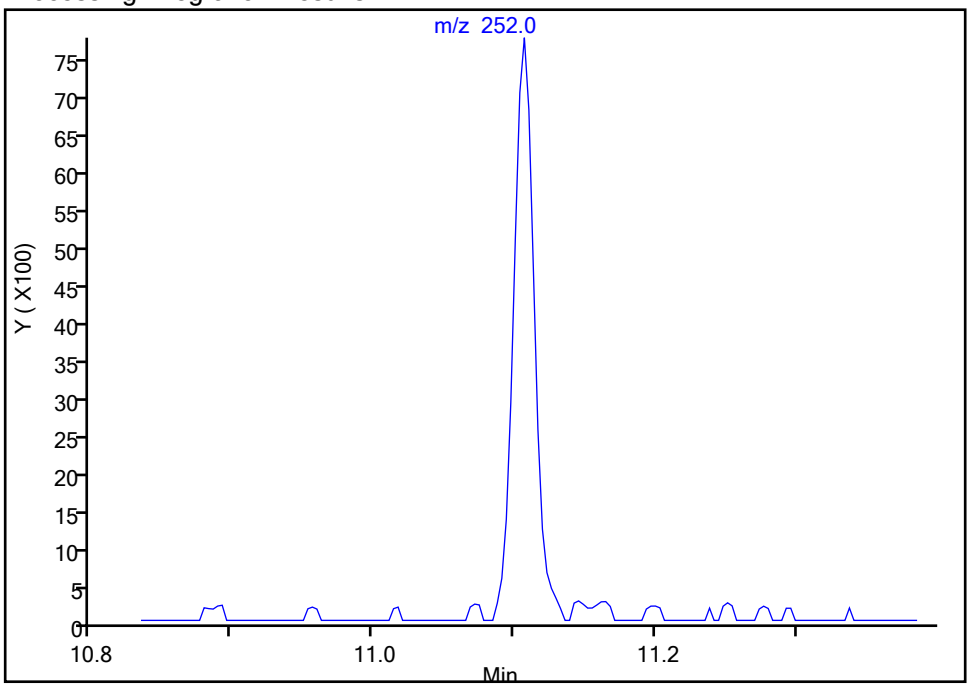
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D
Injection Date: 04-Mar-2024 16:19:30 Instrument ID: CBNAMS18
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

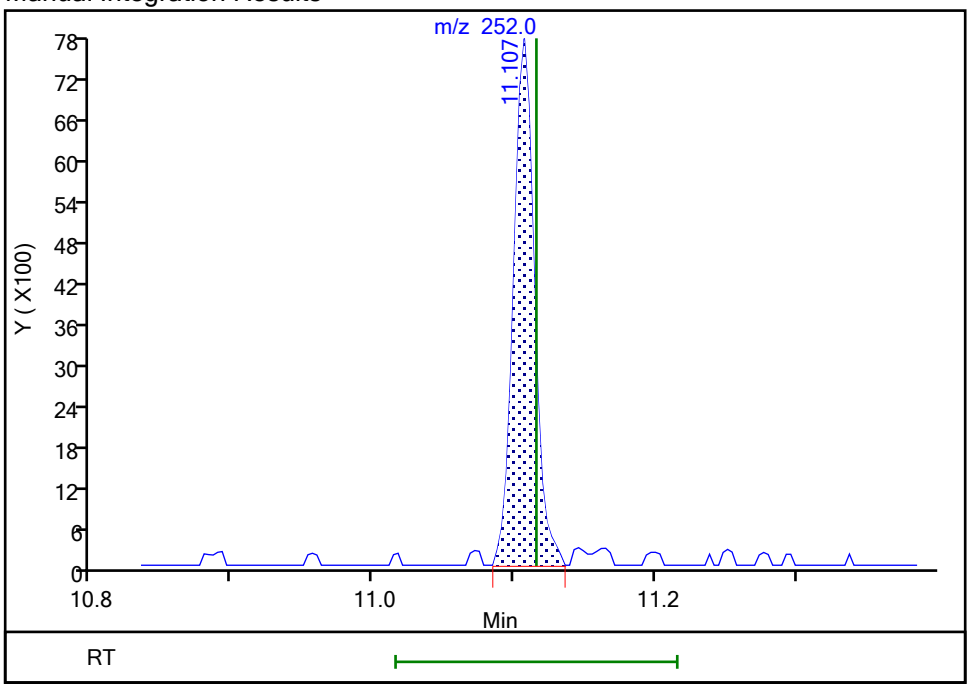
Not Detected
Expected RT: 11.12

Processing Integration Results



Manual Integration Results

RT: 11.11
Area: 7982
Amount: 0.149140
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:40:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2024 17:02:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-010
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:45:00 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 17:47:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.010	1.997	0.013	94	9383	0.2000	0.1769	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	97	5002	0.1000	0.0806	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	98	5232	0.1000	0.0948	
* 14 1,4-Dichlorobenzene-d4	152	4.242	4.246	-0.004	94	327241	8.00	8.00	
22 N-Methylaniline	106	4.625	4.633	-0.008	95	6134	0.1000	0.0754	
24 N-Nitrosodi-n-propylamine	70	4.635	4.652	-0.017	85	3098	0.1000	0.0861	
27 Hexachloroethane	117	4.724	4.729	-0.005	89	2123	0.1000	0.0924	
$ 28 Nitrobenzene-d5	82	4.776	4.783	-0.007	85	4436	0.1000	0.0844	
29 Nitrobenzene	123	4.795	4.803	-0.008	86	2383	0.1000	0.0833	
30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	87	8067	0.1000	0.0907	
37 1,2,4-Trichlorobenzene	180	5.408	5.413	-0.005	93	5379	0.1000	0.0984	
* 38 Naphthalene-d8	136	5.462	5.464	-0.002	99	1297280	8.00	8.00	
39 Naphthalene	128	5.481	5.487	-0.006	97	16594	0.1000	0.0935	
40 4-Chloroaniline	127	5.548	5.557	-0.009	96	5028	0.1000	0.0781	
42 Hexachlorobutadiene	225	5.603	5.605	-0.002	92	3068	0.1000	0.1018	
$ 53 2-Fluorobiphenyl	172	6.497	6.501	-0.004	98	12364	0.1000	0.0926	
* 64 Acenaphthene-d10	164	7.129	7.134	-0.005	95	723686	8.00	8.00	
82 Hexachlorobenzene	284	8.164	8.169	-0.005	93	4237	0.1000	0.0909	
* 88 Phenanthrene-d10	188	8.531	8.537	-0.006	98	1307083	8.00	8.00	
$ 97 Terphenyl-d14	244	10.049	10.056	-0.007	97	11722	0.1000	0.0884	
102 Benzo[a]anthracene	228	11.115	11.122	-0.007	98	13985	0.1000	0.0985	
* 103 Chrysene-d12	240	11.125	11.132	-0.007	99	870425	8.00	8.00	
107 Benzo[b]fluoranthene	252	12.435	12.446	-0.011	98	12603	0.1000	0.0960	
108 Benzo[k]fluoranthene	252	12.470	12.485	-0.015	95	13012	0.1000	0.0969	
109 Benzo[a]pyrene	252	12.868	12.881	-0.013	96	10453	0.1000	0.0911	
* 110 Perylene-d12	264	12.951	12.958	-0.007	99	853625	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.441	14.457	-0.016	98	10657	0.1000	0.0894	
112 Dibenz(a,h)anthracene	278	14.489	14.505	-0.016	98	11836	0.1000	0.0905	

QC Flag Legend

Processing Flags

Reagents:

SV_BNAL1_LVI_00005 Amount Added: 1.00 Units: mL

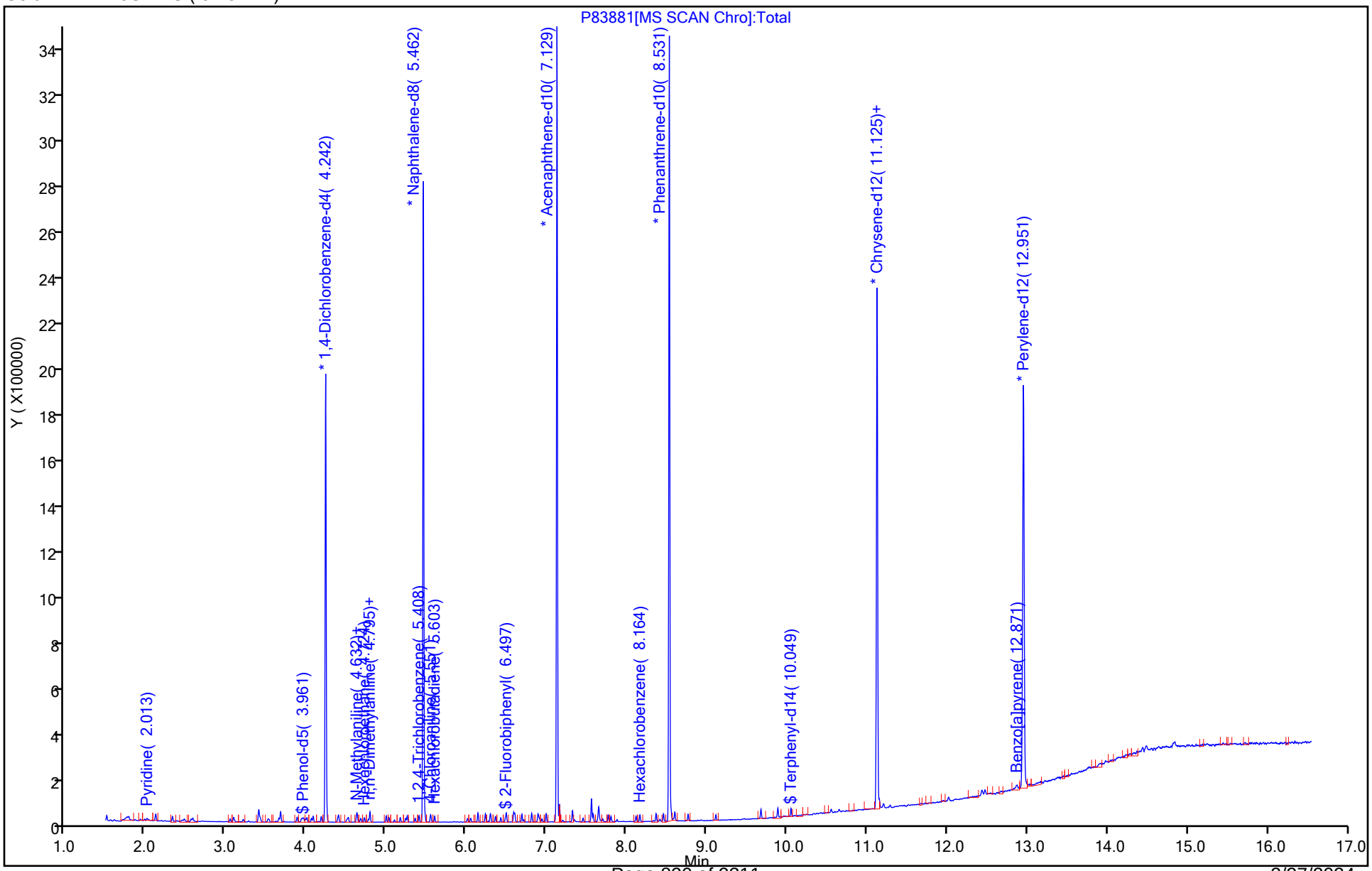
Report Date: 05-Mar-2024 06:45:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Injection Date:	04-Mar-2024 17:02:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

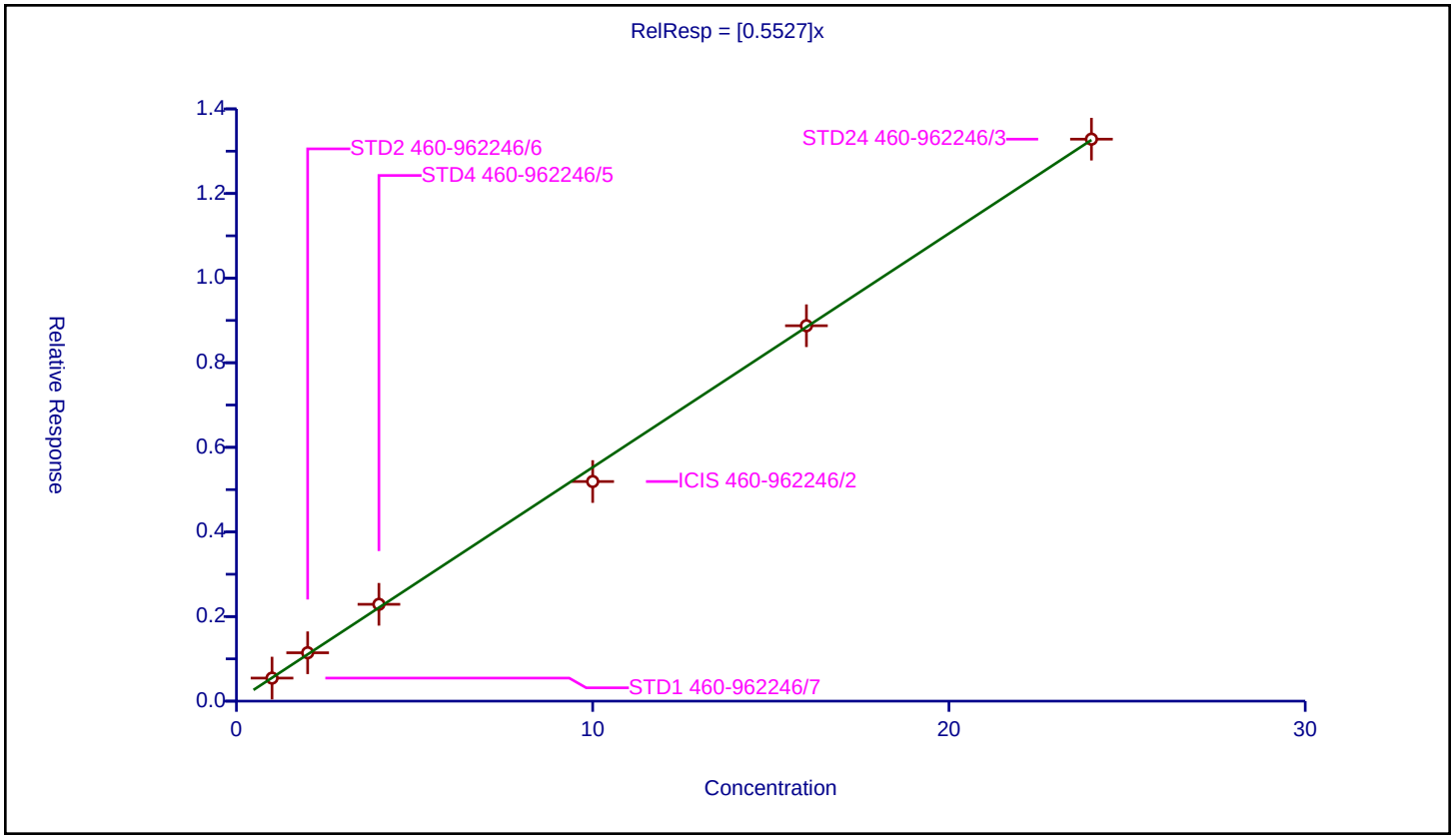
Curve Coefficients

Intercept:	0
Slope:	0.5527

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.544978	8.0	364169.0	0.544978	Y
2	STD2 460-962246/6	2.0	1.143821	8.0	354643.0	0.57191	Y
3	STD4 460-962246/5	4.0	2.288602	8.0	360538.0	0.572151	Y
4	ICIS 460-962246/2	10.0	5.191573	8.0	379005.0	0.519157	Y
5	STD16 460-962246/4	16.0	8.874437	8.0	371686.0	0.554652	Y
6	STD24 460-962246/3	24.0	13.285032	8.0	341358.0	0.553543	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

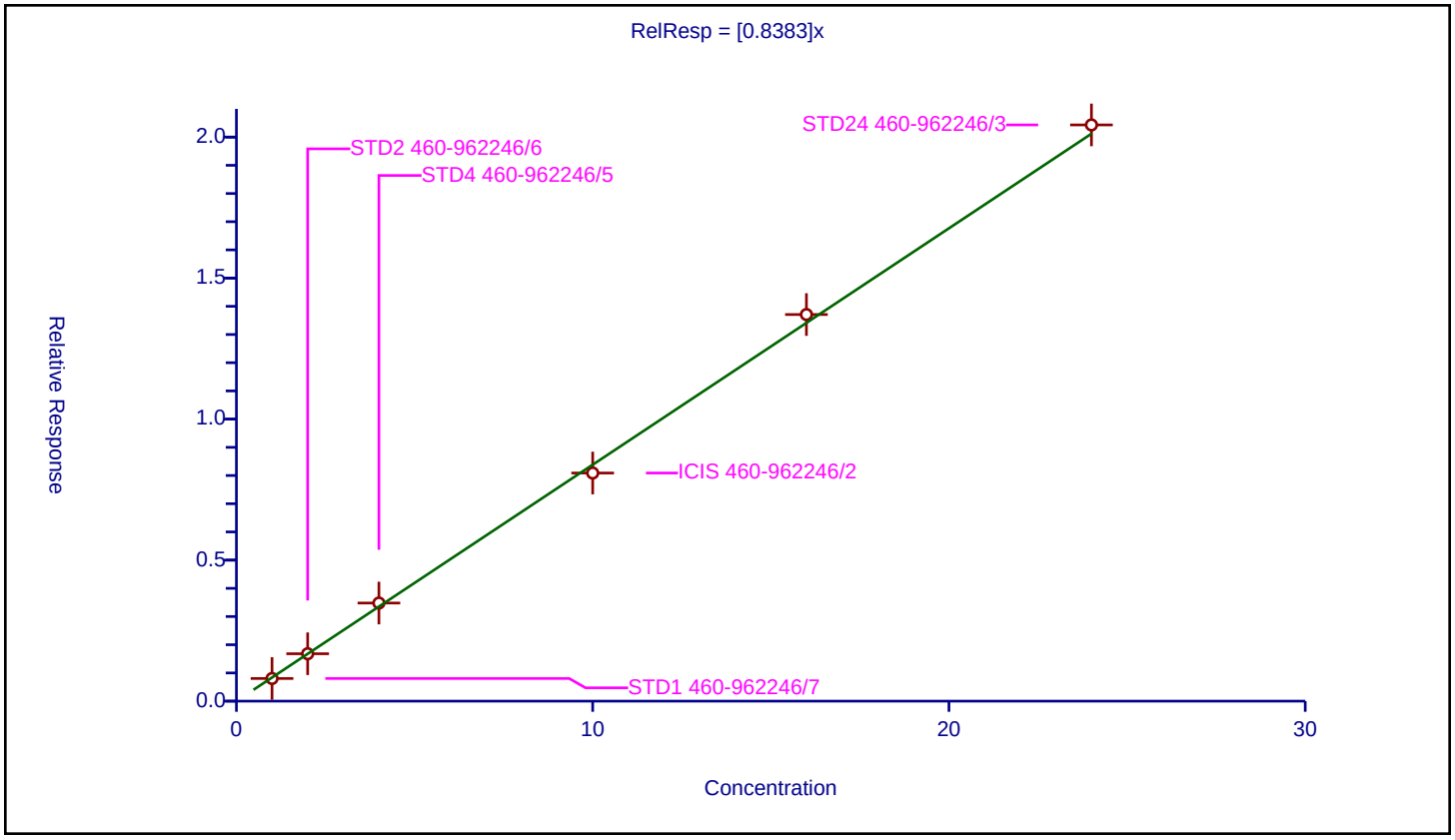
Curve Coefficients

Intercept:	0
Slope:	0.8383

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.802792	8.0	364169.0	0.802792	Y
2	STD2 460-962246/6	2.0	1.680631	8.0	354643.0	0.840315	Y
3	STD4 460-962246/5	4.0	3.478357	8.0	360538.0	0.869589	Y
4	ICIS 460-962246/2	10.0	8.088125	8.0	379005.0	0.808813	Y
5	STD16 460-962246/4	16.0	13.708388	8.0	371686.0	0.856774	Y
6	STD24 460-962246/3	24.0	20.431828	8.0	341358.0	0.851326	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

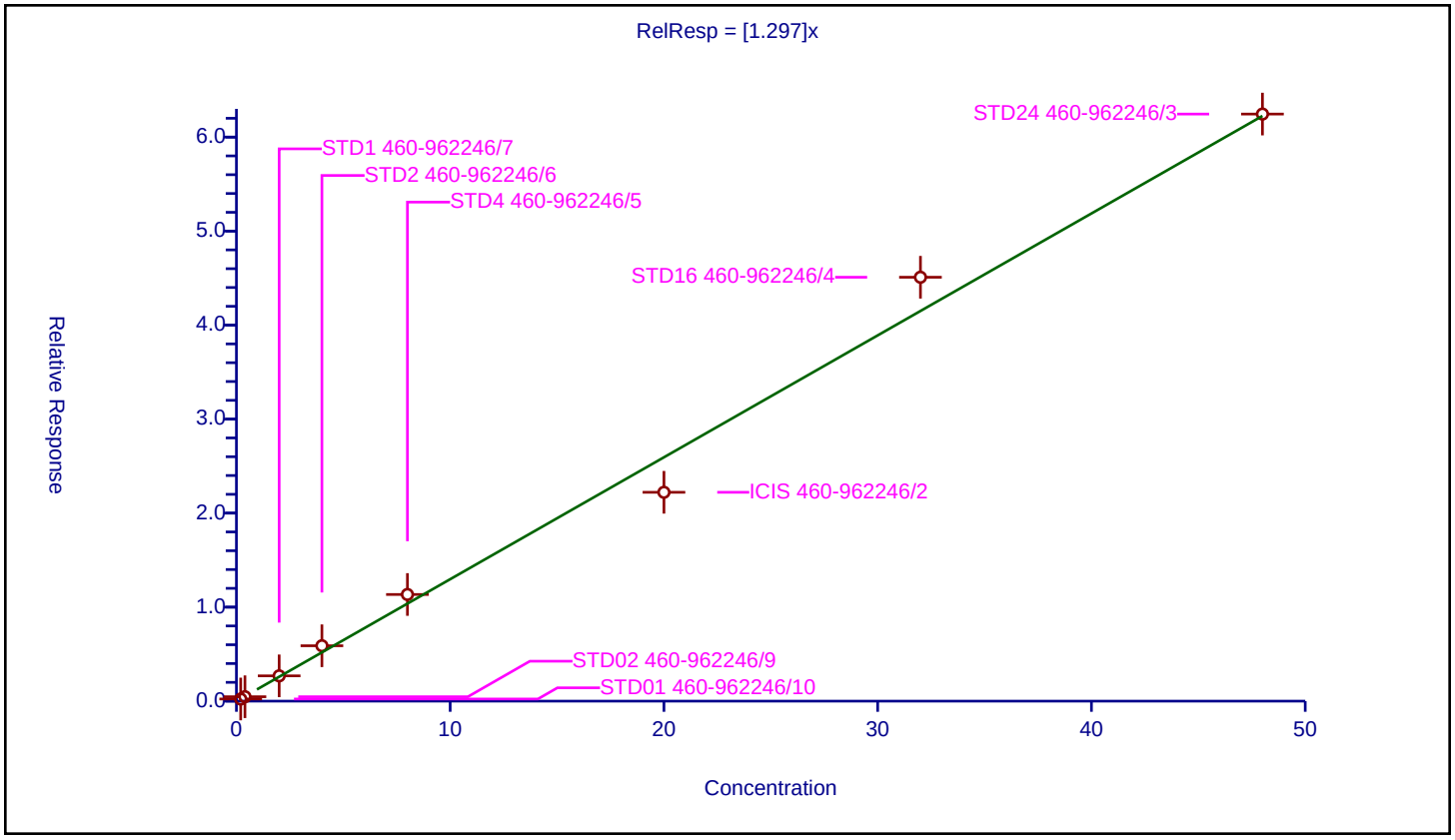
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.2	0.229384	8.0	327241.0	1.146922	Y
2	STD02 460-962246/9	0.4	0.468746	8.0	374395.0	1.171864	Y
3	STD1 460-962246/7	2.0	2.68884	8.0	364169.0	1.34442	Y
4	STD2 460-962246/6	4.0	5.891153	8.0	354643.0	1.472788	Y
5	STD4 460-962246/5	8.0	11.346088	8.0	360538.0	1.418261	Y
6	ICIS 460-962246/2	20.0	22.216087	8.0	379005.0	1.110804	Y
7	STD16 460-962246/4	32.0	45.090081	8.0	371686.0	1.409065	Y
8	STD24 460-962246/3	48.0	62.45012	8.0	341358.0	1.301044	Y



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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

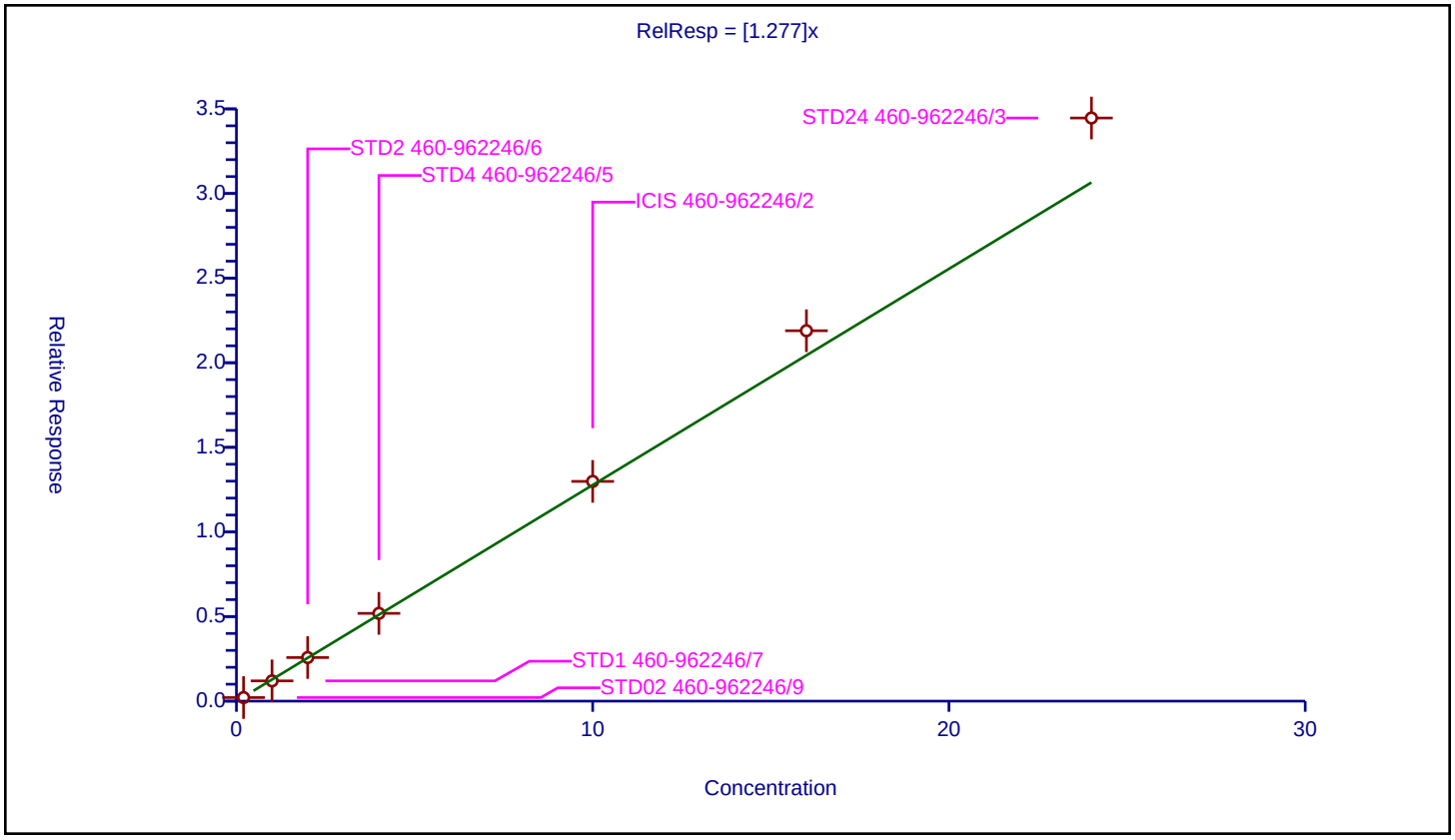
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.211434	8.0	374395.0	1.057172	Y
2	STD1 460-962246/7	1.0	1.19639	8.0	364169.0	1.19639	Y
3	STD2 460-962246/6	2.0	2.575976	8.0	354643.0	1.287988	Y
4	STD4 460-962246/5	4.0	5.18707	8.0	360538.0	1.296768	Y
5	ICIS 460-962246/2	10.0	12.985876	8.0	379005.0	1.298588	Y
6	STD16 460-962246/4	16.0	21.890908	8.0	371686.0	1.368182	Y
7	STD24 460-962246/3	24.0	34.46233	8.0	341358.0	1.43593	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

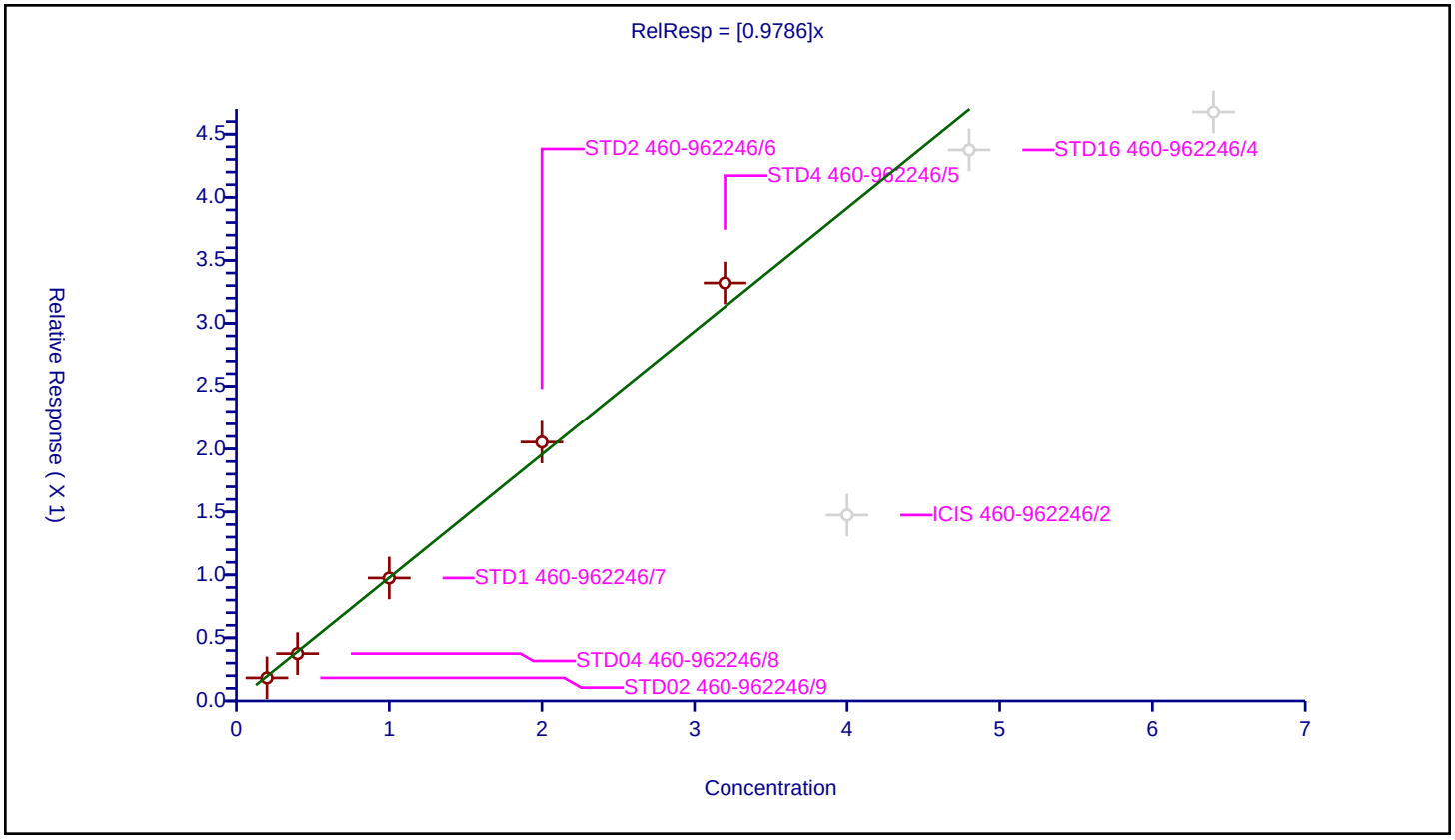
Curve Coefficients

Intercept:	0
Slope:	0.9786

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.182802	8.0	374395.0	0.914008	Y
2	STD04 460-962246/8	0.4	0.375192	8.0	362908.0	0.937979	Y
3	STD1 460-962246/7	1.0	0.975569	8.0	364169.0	0.975569	Y
4	STD2 460-962246/6	2.0	2.055137	8.0	354643.0	1.027569	Y
5	STD4 460-962246/5	3.2	3.320504	8.0	360538.0	1.037658	Y
6	ICIS 460-962246/2	4.0	1.474936	8.0	379005.0	0.368734	N
7	STD16 460-962246/4	4.8	4.375607	8.0	371686.0	0.911585	N
8	STD24 460-962246/3	6.4	4.676123	8.0	341358.0	0.730644	N



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

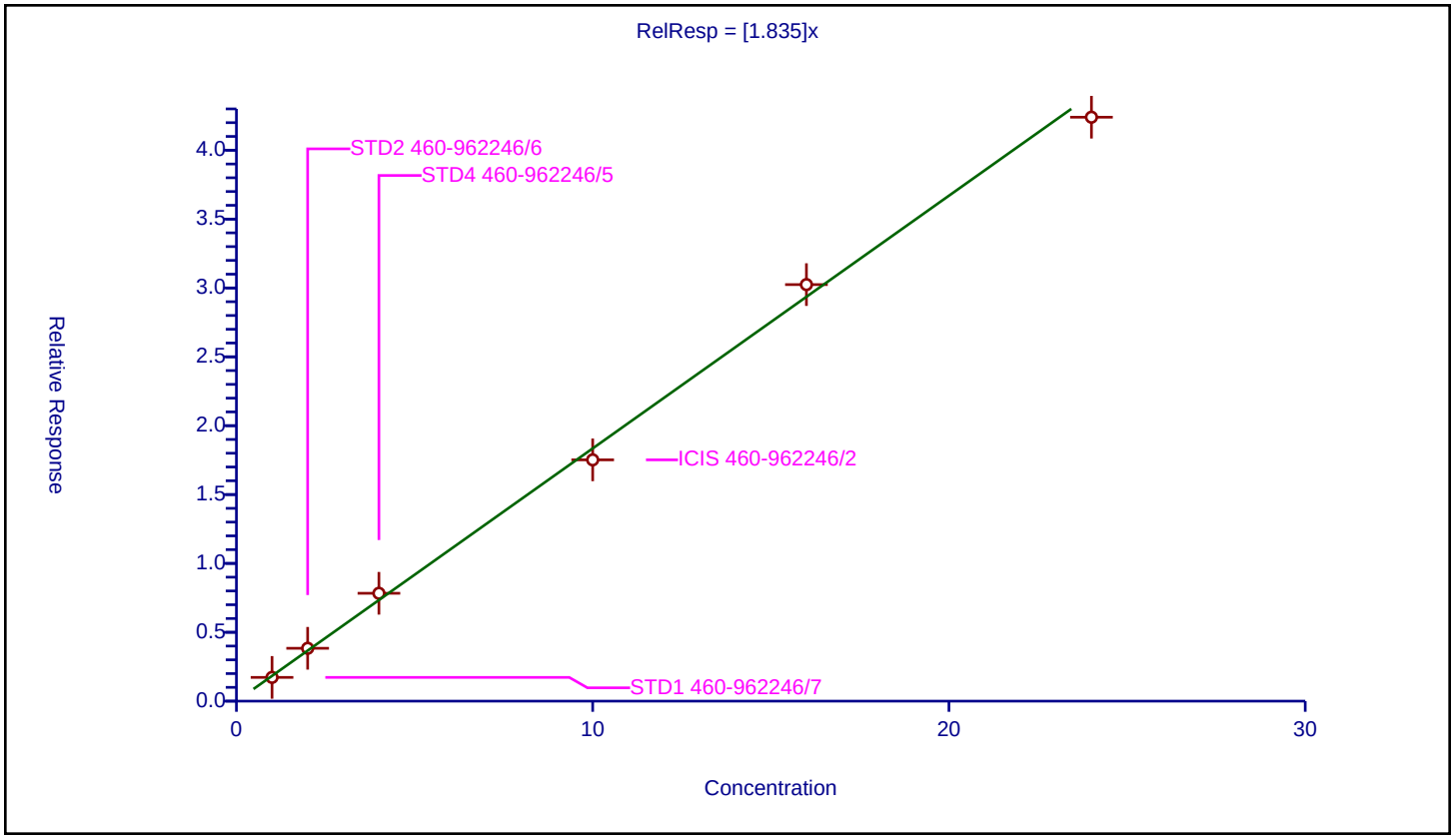
Curve Coefficients

Intercept:	0
Slope:	1.835

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.724408	8.0	364169.0	1.724408	Y
2	STD2 460-962246/6	2.0	3.836715	8.0	354643.0	1.918357	Y
3	STD4 460-962246/5	4.0	7.830342	8.0	360538.0	1.957586	Y
4	ICIS 460-962246/2	10.0	17.519072	8.0	379005.0	1.751907	Y
5	STD16 460-962246/4	16.0	30.243227	8.0	371686.0	1.890202	Y
6	STD24 460-962246/3	24.0	42.396663	8.0	341358.0	1.766528	Y



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

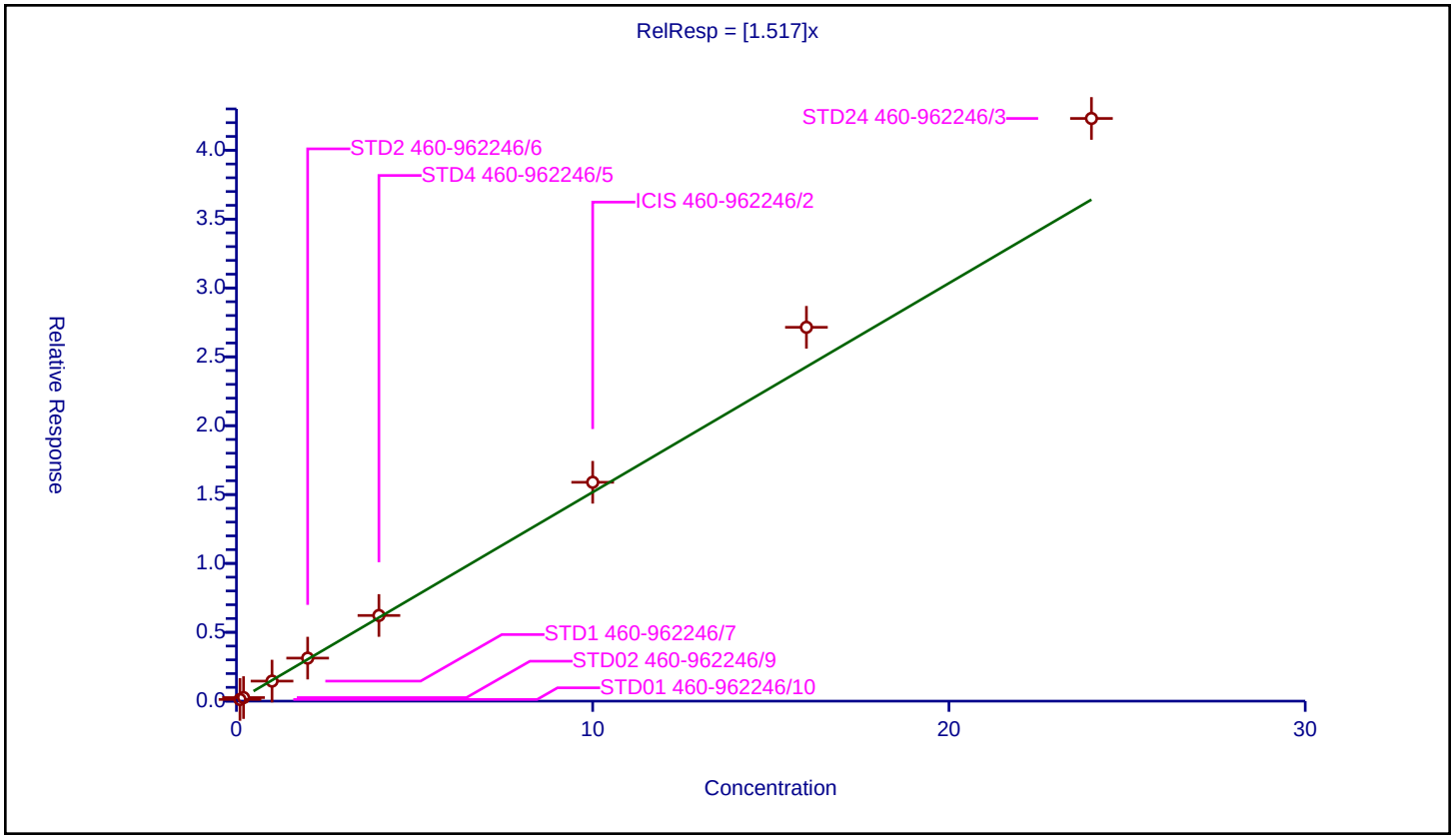
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.122283	8.0	327241.0	1.22283	Y
2	STD02 460-962246/9	0.2	0.258828	8.0	374395.0	1.294141	Y
3	STD1 460-962246/7	1.0	1.455258	8.0	364169.0	1.455258	Y
4	STD2 460-962246/6	2.0	3.124697	8.0	354643.0	1.562349	Y
5	STD4 460-962246/5	4.0	6.219572	8.0	360538.0	1.554893	Y
6	ICIS 460-962246/2	10.0	15.889943	8.0	379005.0	1.588994	Y
7	STD16 460-962246/4	16.0	27.142846	8.0	371686.0	1.696428	Y
8	STD24 460-962246/3	24.0	42.306201	8.0	341358.0	1.762758	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

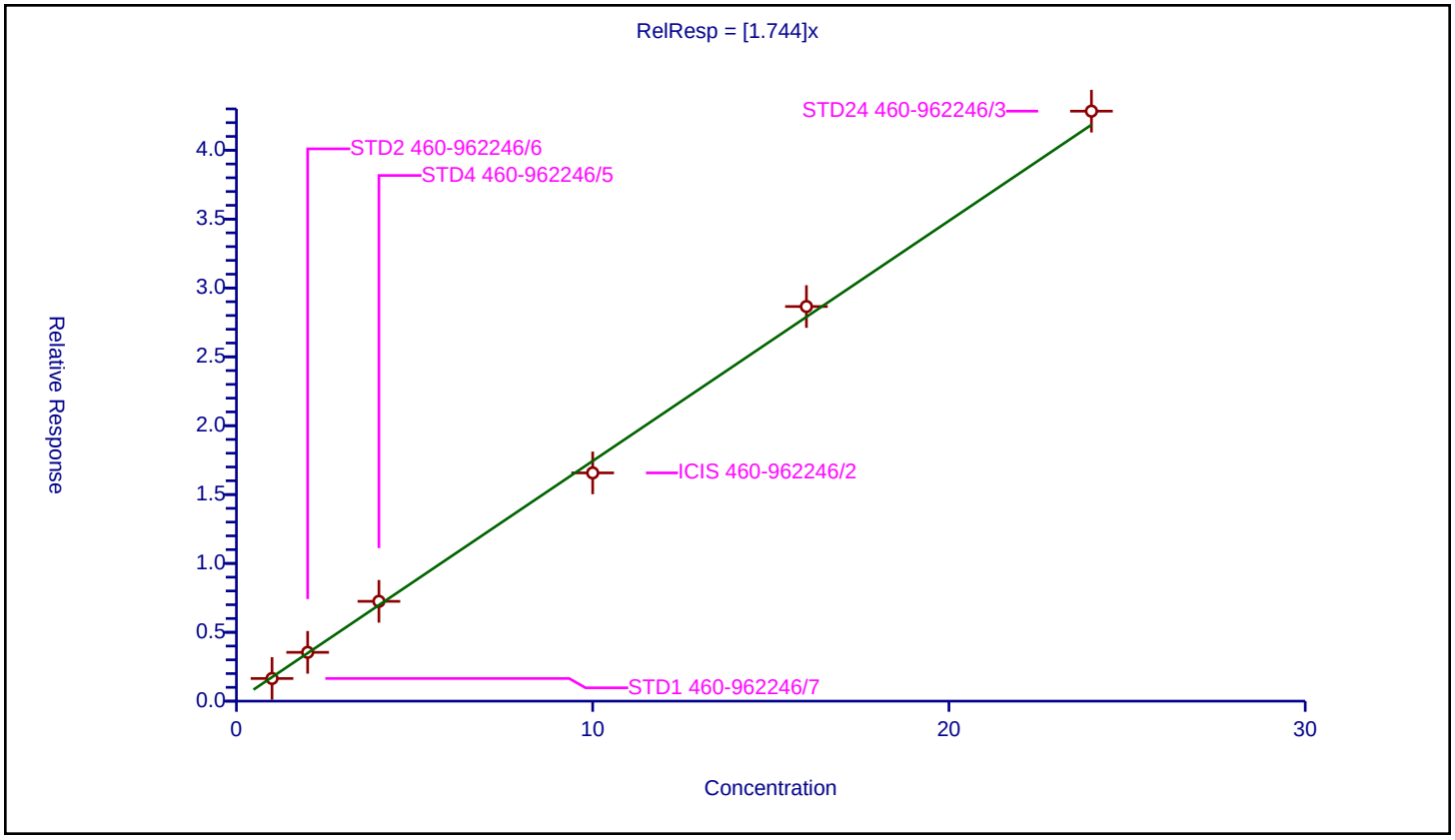
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.645236	8.0	364169.0	1.645236	Y
2	STD2 460-962246/6	2.0	3.543146	8.0	354643.0	1.771573	Y
3	STD4 460-962246/5	4.0	7.247059	8.0	360538.0	1.811765	Y
4	ICIS 460-962246/2	10.0	16.57042	8.0	379005.0	1.657042	Y
5	STD16 460-962246/4	16.0	28.651625	8.0	371686.0	1.790727	Y
6	STD24 460-962246/3	24.0	42.834725	8.0	341358.0	1.78478	Y



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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

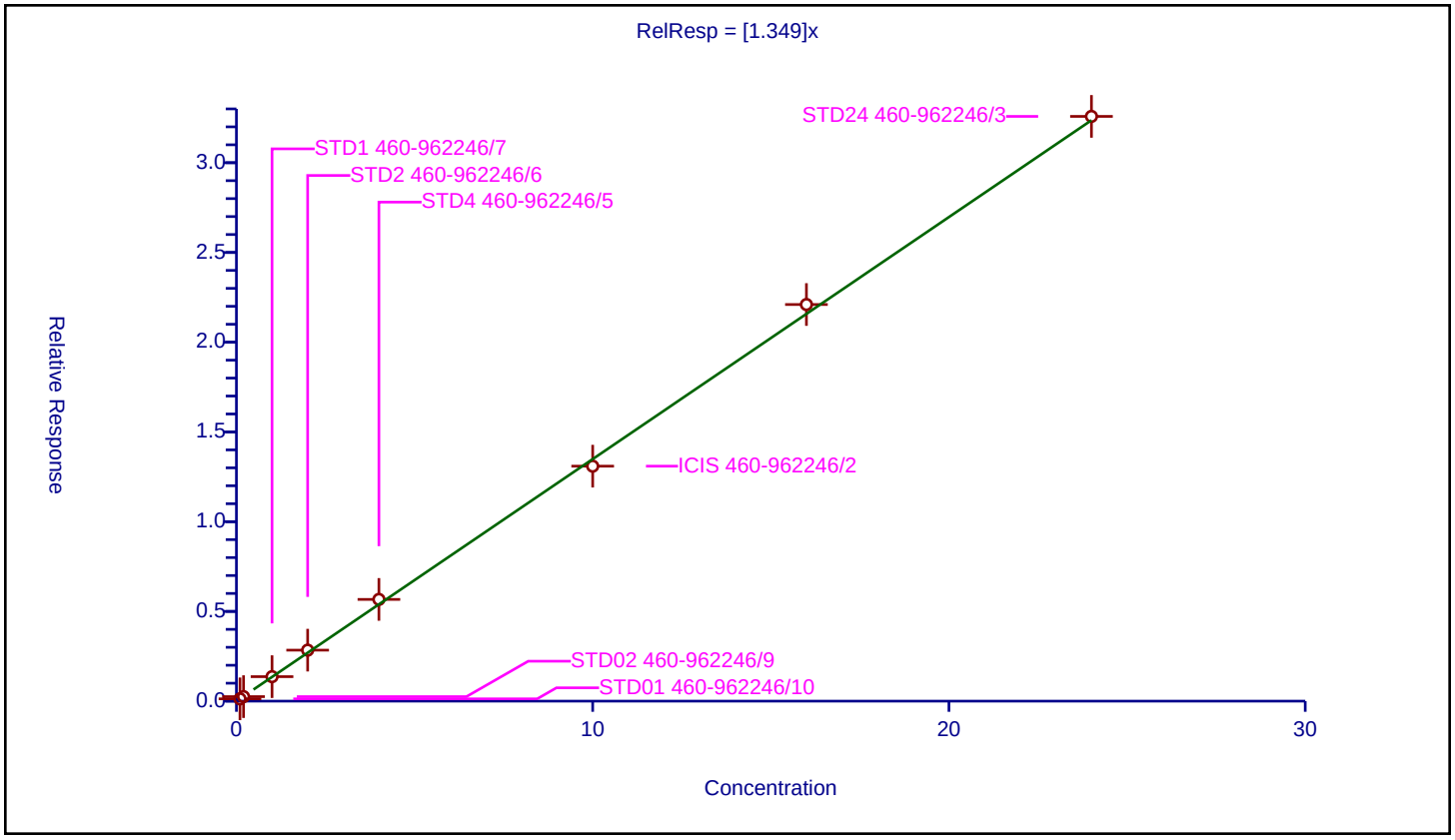
Curve Coefficients

Intercept:	0
Slope:	1.349

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.127906	8.0	327241.0	1.279057	Y
2	STD02 460-962246/9	0.2	0.251948	8.0	374395.0	1.259739	Y
3	STD1 460-962246/7	1.0	1.36396	8.0	364169.0	1.36396	Y
4	STD2 460-962246/6	2.0	2.841596	8.0	354643.0	1.420798	Y
5	STD4 460-962246/5	4.0	5.669017	8.0	360538.0	1.417254	Y
6	ICIS 460-962246/2	10.0	13.092387	8.0	379005.0	1.309239	Y
7	STD16 460-962246/4	16.0	22.09945	8.0	371686.0	1.381216	Y
8	STD24 460-962246/3	24.0	32.581747	8.0	341358.0	1.357573	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

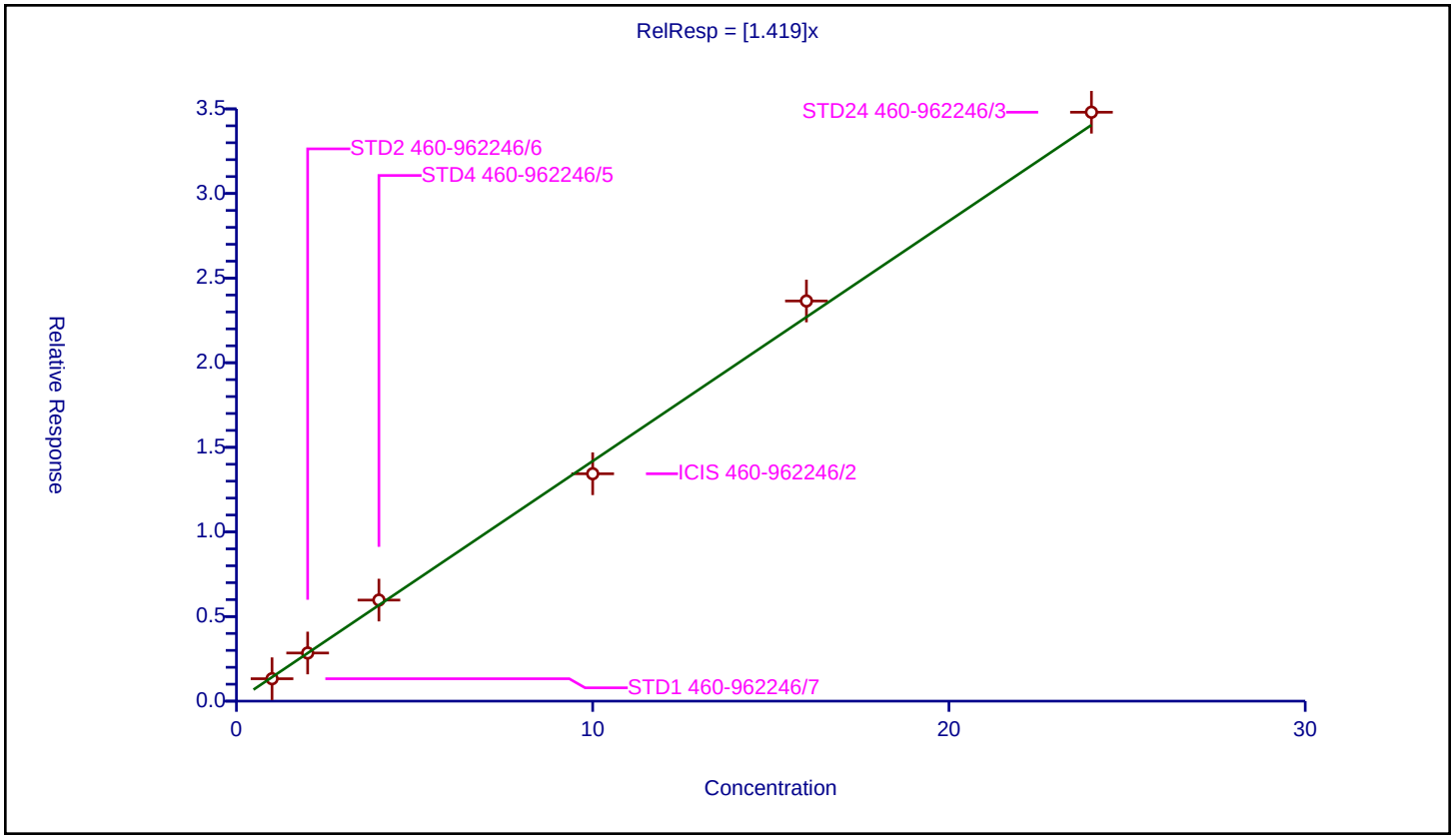
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.32422	8.0	364169.0	1.32422	Y
2	STD2 460-962246/6	2.0	2.844415	8.0	354643.0	1.422208	Y
3	STD4 460-962246/5	4.0	5.972829	8.0	360538.0	1.493207	Y
4	ICIS 460-962246/2	10.0	13.438493	8.0	379005.0	1.343849	Y
5	STD16 460-962246/4	16.0	23.648198	8.0	371686.0	1.478012	Y
6	STD24 460-962246/3	24.0	34.802805	8.0	341358.0	1.450117	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

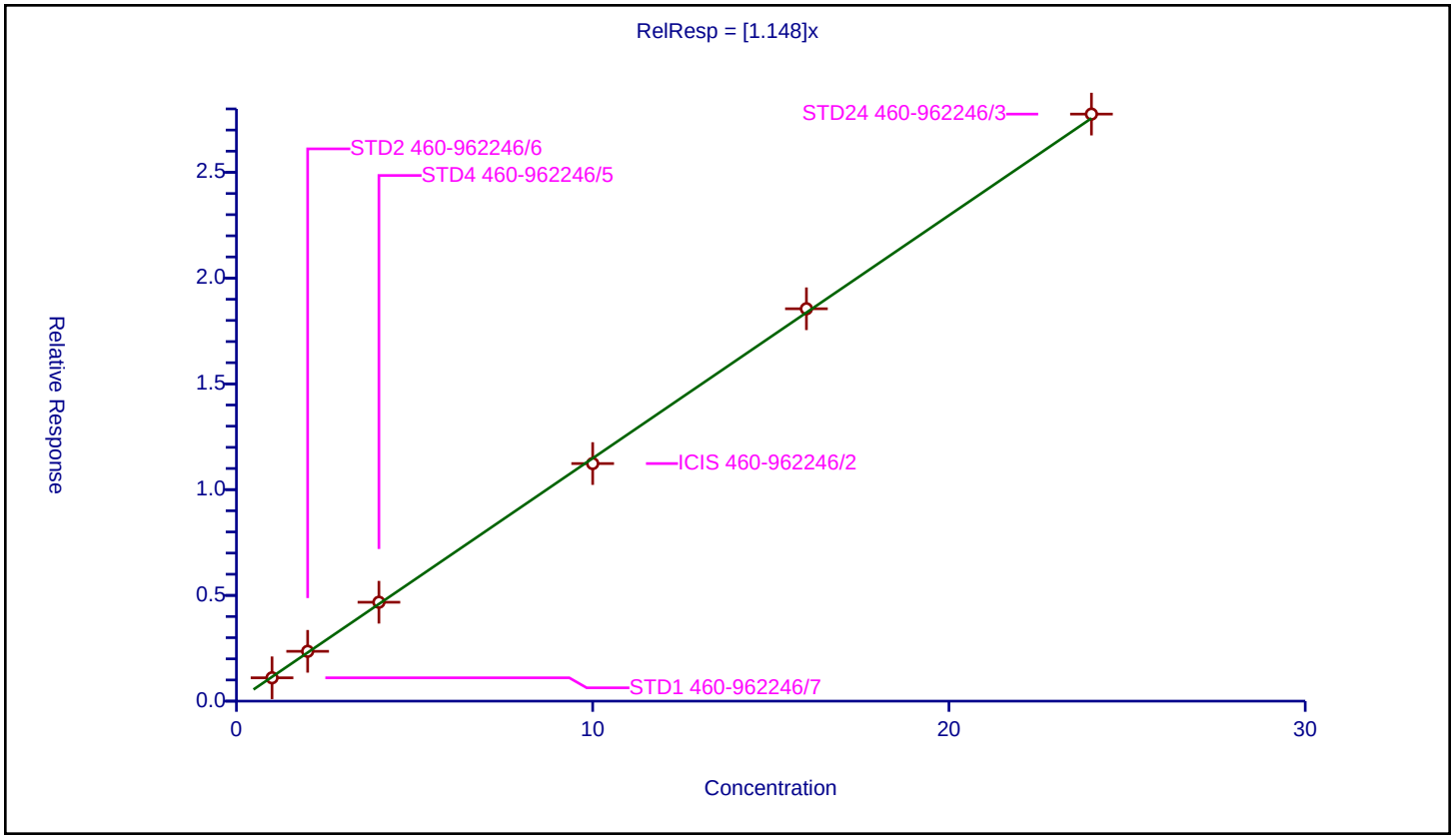
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.103114	8.0	364169.0	1.103114	Y
2	STD2 460-962246/6	2.0	2.355811	8.0	354643.0	1.177906	Y
3	STD4 460-962246/5	4.0	4.676323	8.0	360538.0	1.169081	Y
4	ICIS 460-962246/2	10.0	11.233034	8.0	379005.0	1.123303	Y
5	STD16 460-962246/4	16.0	18.550432	8.0	371686.0	1.159402	Y
6	STD24 460-962246/3	24.0	27.754112	8.0	341358.0	1.156421	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

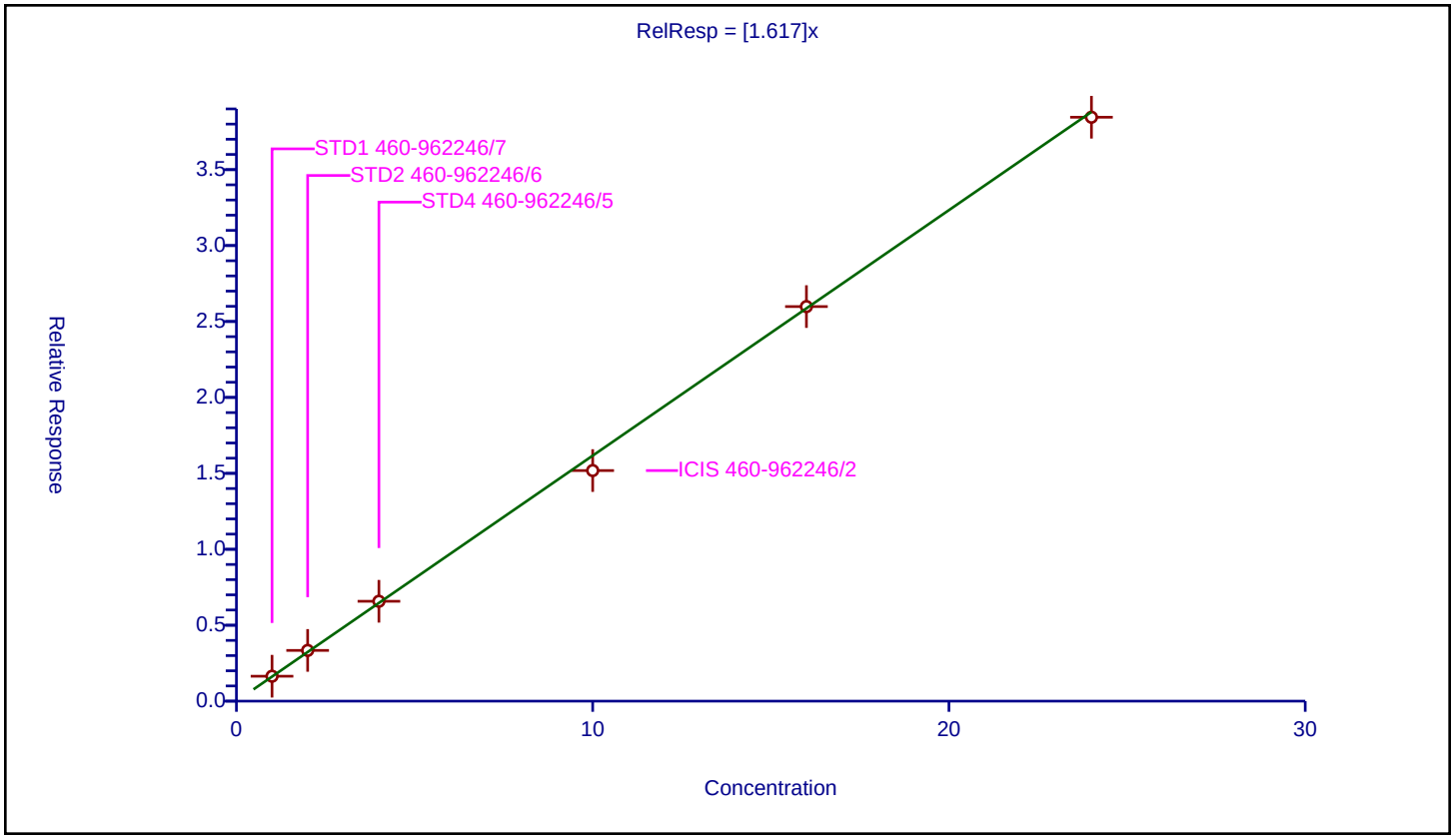
Curve Coefficients

Intercept:	0
Slope:	1.617

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.64148	8.0	364169.0	1.64148	Y
2	STD2 460-962246/6	2.0	3.339697	8.0	354643.0	1.669848	Y
3	STD4 460-962246/5	4.0	6.576527	8.0	360538.0	1.644132	Y
4	ICIS 460-962246/2	10.0	15.184897	8.0	379005.0	1.51849	Y
5	STD16 460-962246/4	16.0	25.98206	8.0	371686.0	1.623879	Y
6	STD24 460-962246/3	24.0	38.451315	8.0	341358.0	1.602138	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

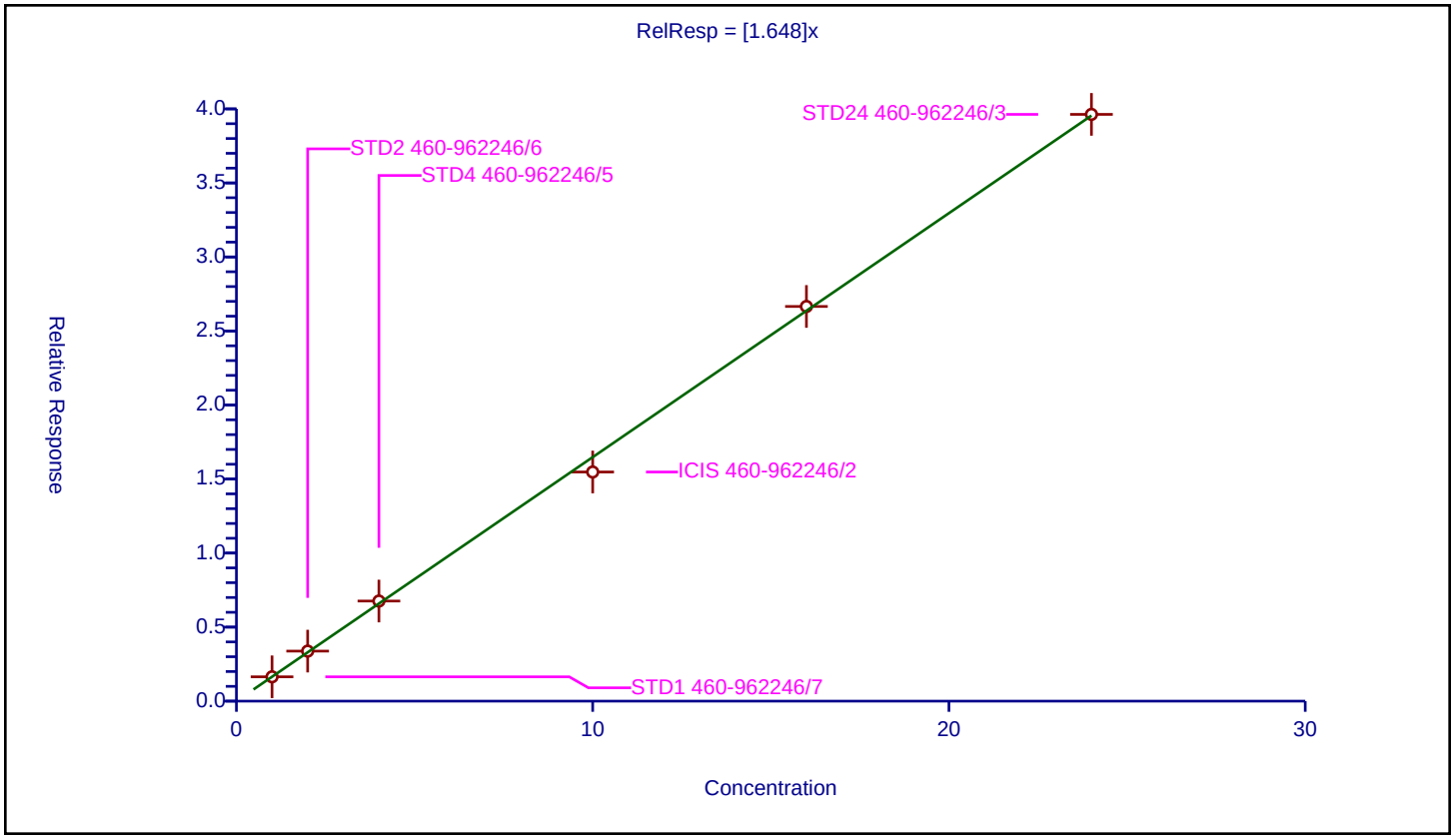
Curve Coefficients

Intercept:	0
Slope:	1.648

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.6426	8.0	364169.0	1.6426	Y
2	STD2 460-962246/6	2.0	3.378564	8.0	354643.0	1.689282	Y
3	STD4 460-962246/5	4.0	6.761318	8.0	360538.0	1.690329	Y
4	ICIS 460-962246/2	10.0	15.476123	8.0	379005.0	1.547612	Y
5	STD16 460-962246/4	16.0	26.655747	8.0	371686.0	1.665984	Y
6	STD24 460-962246/3	24.0	39.630113	8.0	341358.0	1.651255	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

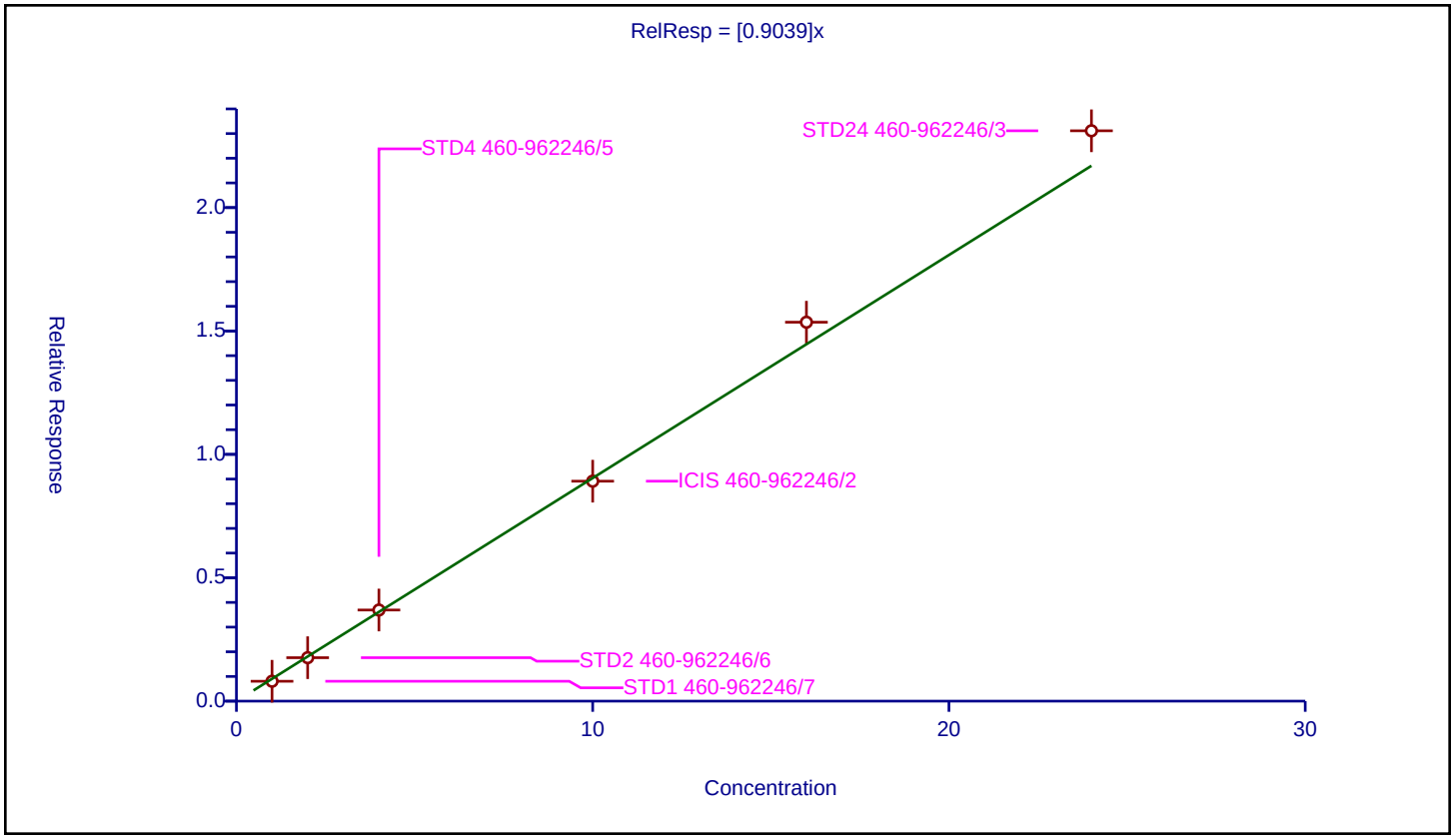
Curve Coefficients

Intercept:	0
Slope:	0.9039

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.805714	8.0	364169.0	0.805714	Y
2	STD2 460-962246/6	2.0	1.760824	8.0	354643.0	0.880412	Y
3	STD4 460-962246/5	4.0	3.692815	8.0	360538.0	0.923204	Y
4	ICIS 460-962246/2	10.0	8.913951	8.0	379005.0	0.891395	Y
5	STD16 460-962246/4	16.0	15.356037	8.0	371686.0	0.959752	Y
6	STD24 460-962246/3	24.0	23.113236	8.0	341358.0	0.963051	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

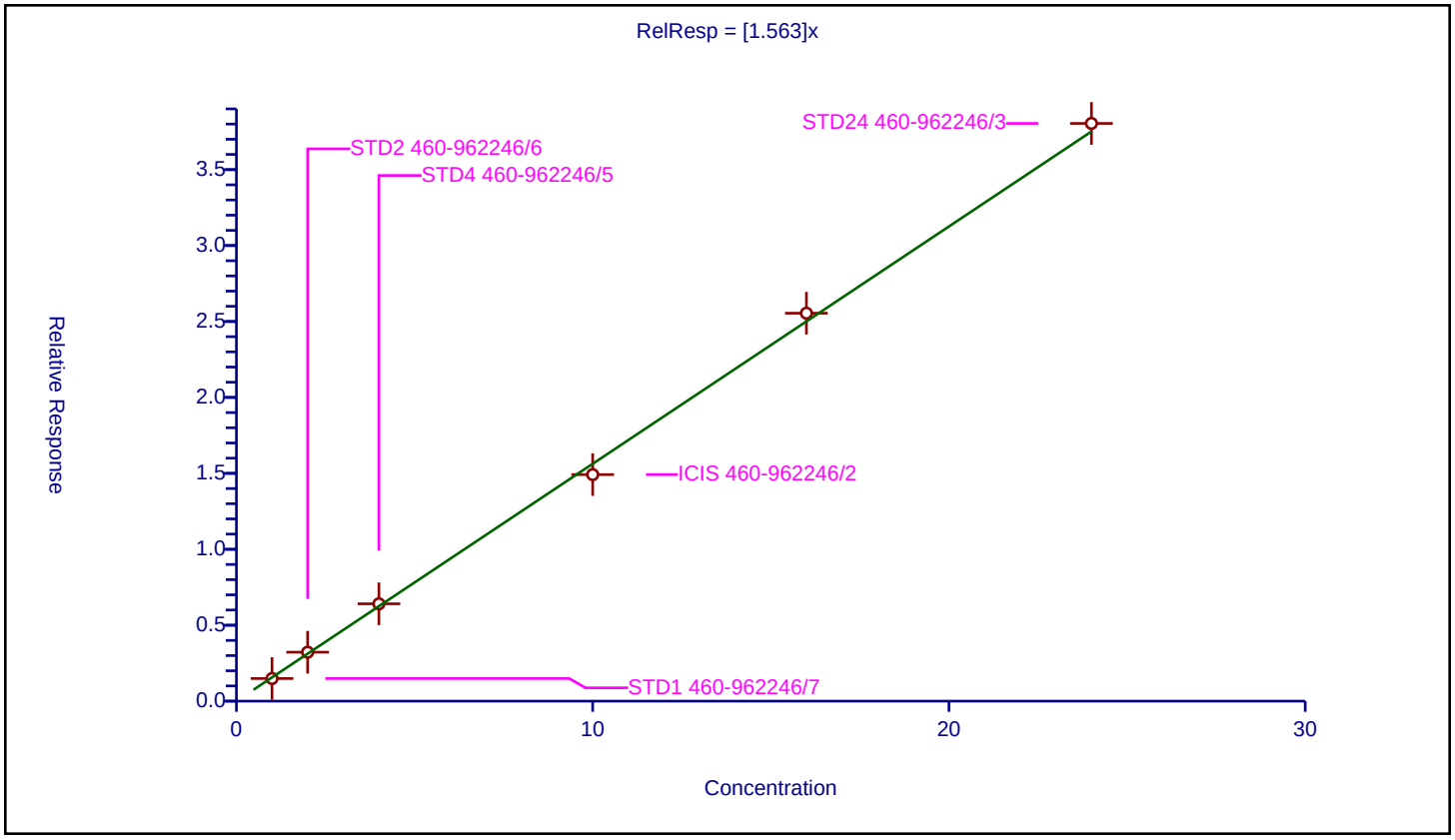
Curve Coefficients

Intercept:	0
Slope:	1.563

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.489792	8.0	364169.0	1.489792	Y
2	STD2 460-962246/6	2.0	3.223343	8.0	354643.0	1.611671	Y
3	STD4 460-962246/5	4.0	6.4088	8.0	360538.0	1.6022	Y
4	ICIS 460-962246/2	10.0	14.918115	8.0	379005.0	1.491811	Y
5	STD16 460-962246/4	16.0	25.546251	8.0	371686.0	1.596641	Y
6	STD24 460-962246/3	24.0	38.042126	8.0	341358.0	1.585089	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

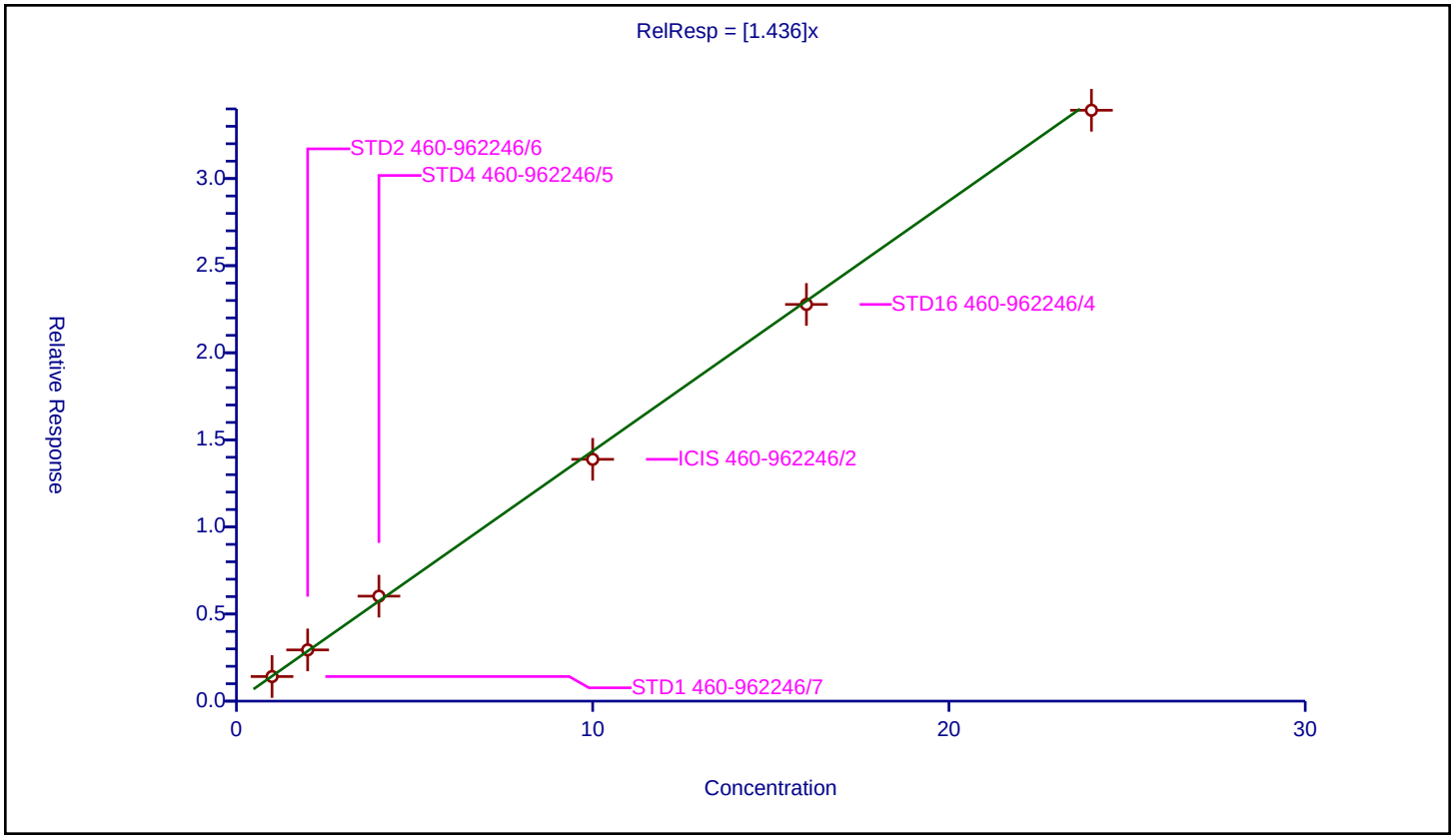
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.412707	8.0	364169.0	1.412707	Y
2	STD2 460-962246/6	2.0	2.941347	8.0	354643.0	1.470673	Y
3	STD4 460-962246/5	4.0	6.027037	8.0	360538.0	1.506759	Y
4	ICIS 460-962246/2	10.0	13.883363	8.0	379005.0	1.388336	Y
5	STD16 460-962246/4	16.0	22.773395	8.0	371686.0	1.423337	Y
6	STD24 460-962246/3	24.0	33.921502	8.0	341358.0	1.413396	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

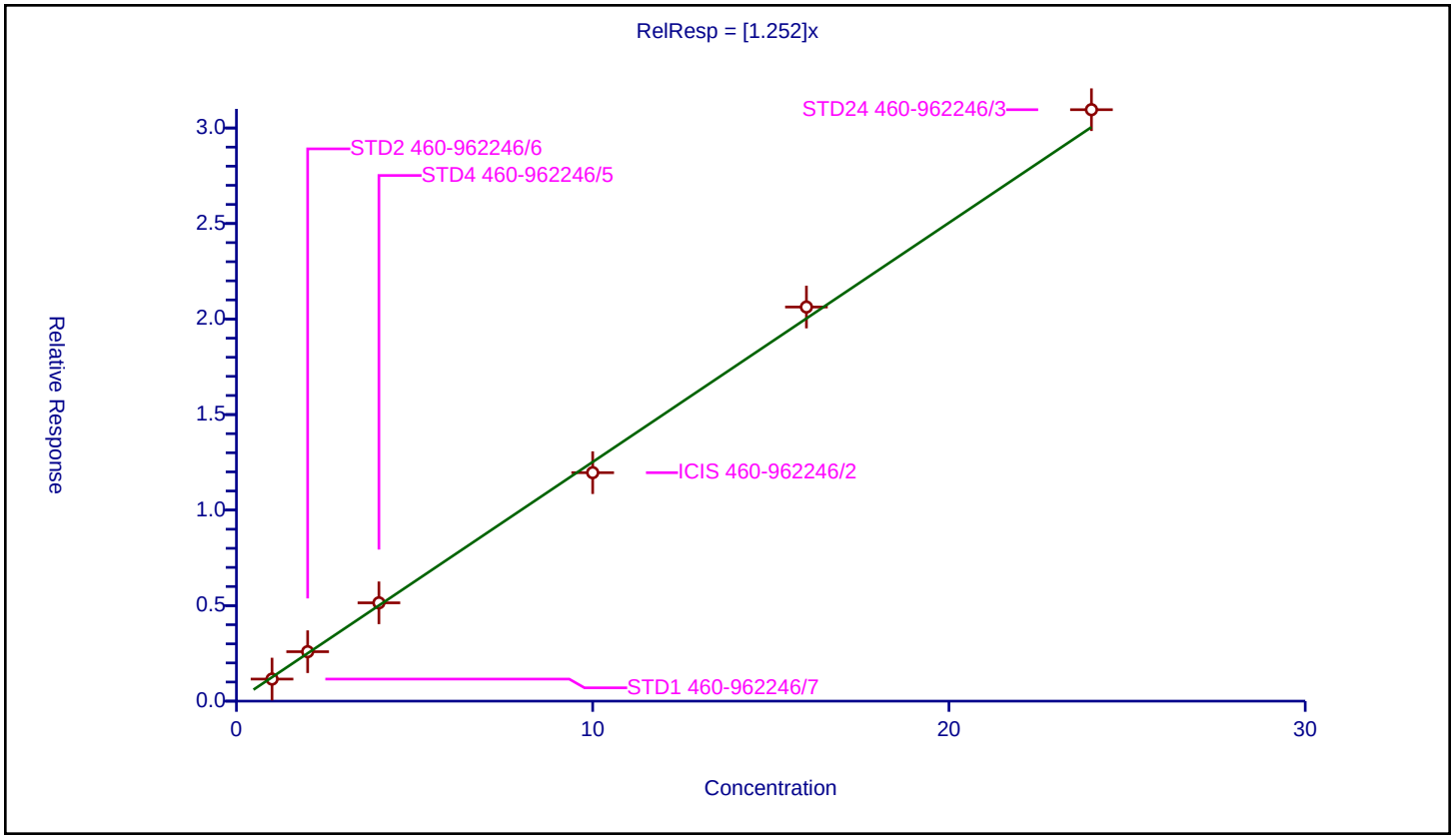
Curve Coefficients

Intercept:	0
Slope:	1.252

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.155376	8.0	364169.0	1.155376	Y
2	STD2 460-962246/6	2.0	2.588812	8.0	354643.0	1.294406	Y
3	STD4 460-962246/5	4.0	5.145777	8.0	360538.0	1.286444	Y
4	ICIS 460-962246/2	10.0	11.959336	8.0	379005.0	1.195934	Y
5	STD16 460-962246/4	16.0	20.628681	8.0	371686.0	1.289293	Y
6	STD24 460-962246/3	24.0	30.958841	8.0	341358.0	1.289952	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

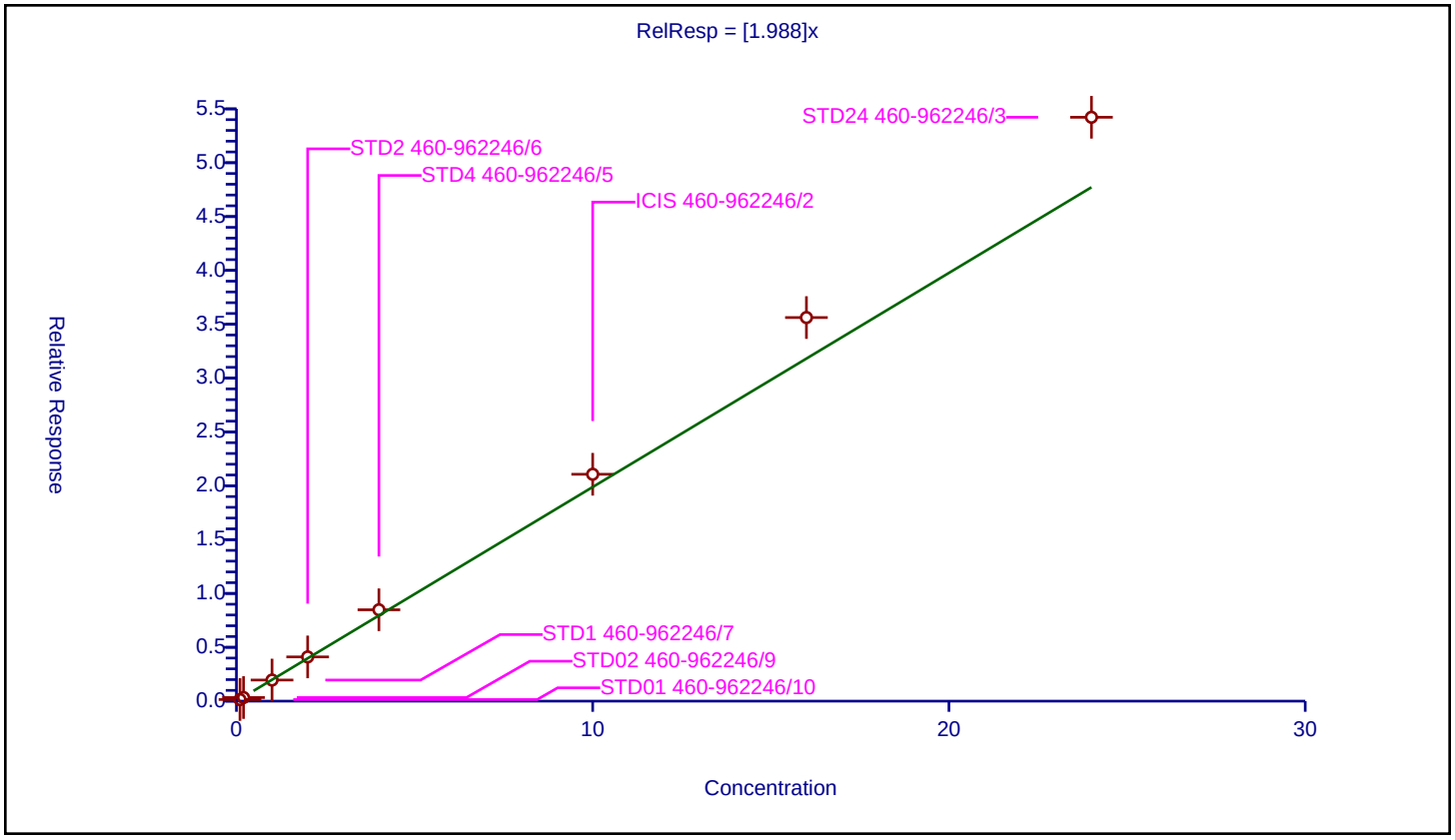
Curve Coefficients

Intercept:	0
Slope:	1.988

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.149957	8.0	327241.0	1.499568	Y
2	STD02 460-962246/9	0.2	0.33618	8.0	374395.0	1.680899	Y
3	STD1 460-962246/7	1.0	1.959442	8.0	364169.0	1.959442	Y
4	STD2 460-962246/6	2.0	4.106868	8.0	354643.0	2.053434	Y
5	STD4 460-962246/5	4.0	8.484077	8.0	360538.0	2.121019	Y
6	ICIS 460-962246/2	10.0	21.068978	8.0	379005.0	2.106898	Y
7	STD16 460-962246/4	16.0	35.622477	8.0	371686.0	2.226405	Y
8	STD24 460-962246/3	24.0	54.221808	8.0	341358.0	2.259242	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

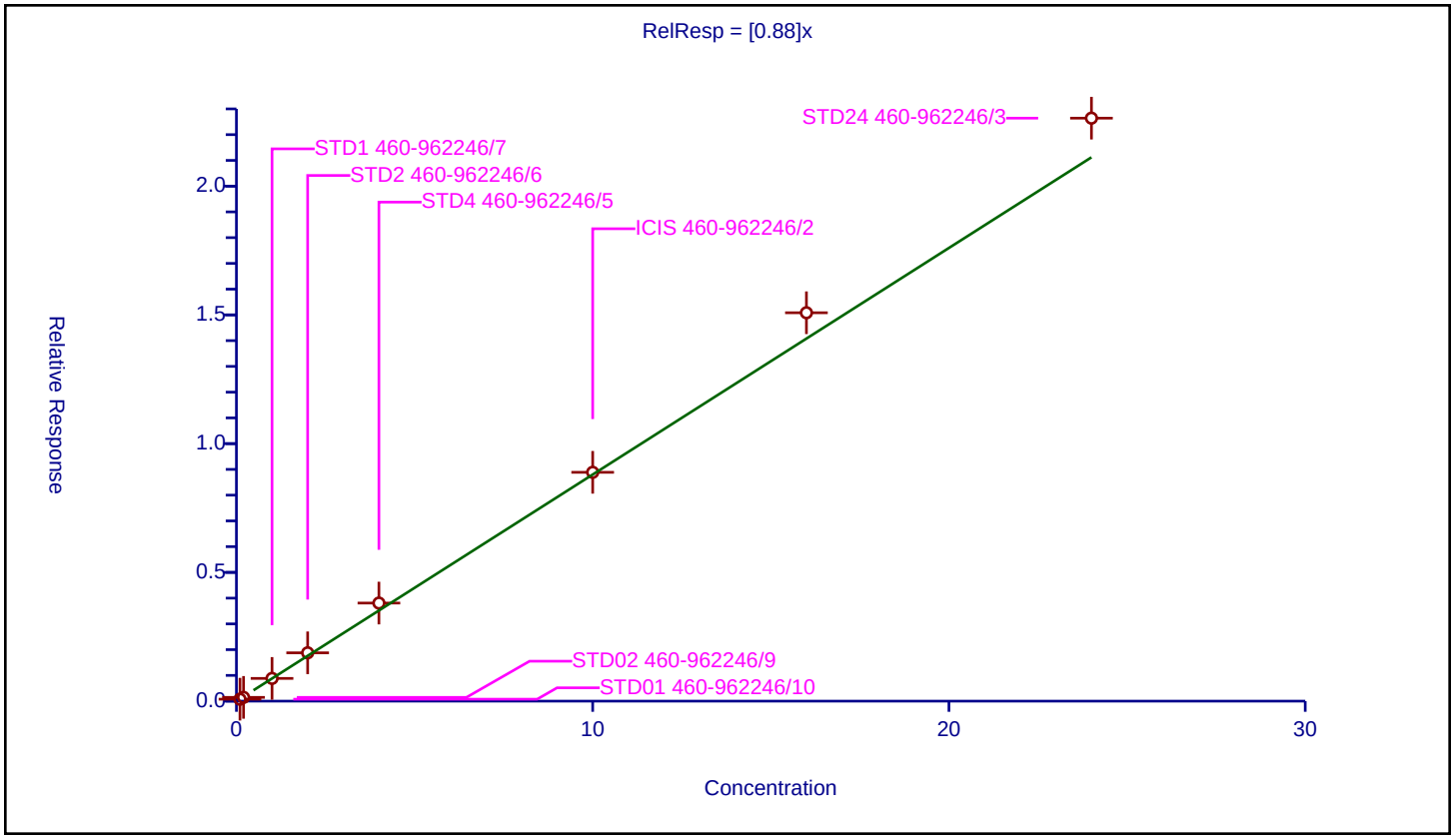
Curve Coefficients

Intercept:	0
Slope:	0.88

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.075736	8.0	327241.0	0.757362	Y
2	STD02 460-962246/9	0.2	0.146818	8.0	374395.0	0.734091	Y
3	STD1 460-962246/7	1.0	0.882953	8.0	364169.0	0.882953	Y
4	STD2 460-962246/6	2.0	1.876885	8.0	354643.0	0.938442	Y
5	STD4 460-962246/5	4.0	3.808997	8.0	360538.0	0.952249	Y
6	ICIS 460-962246/2	10.0	8.886637	8.0	379005.0	0.888664	Y
7	STD16 460-962246/4	16.0	15.082774	8.0	371686.0	0.942673	Y
8	STD24 460-962246/3	24.0	22.640536	8.0	341358.0	0.943356	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

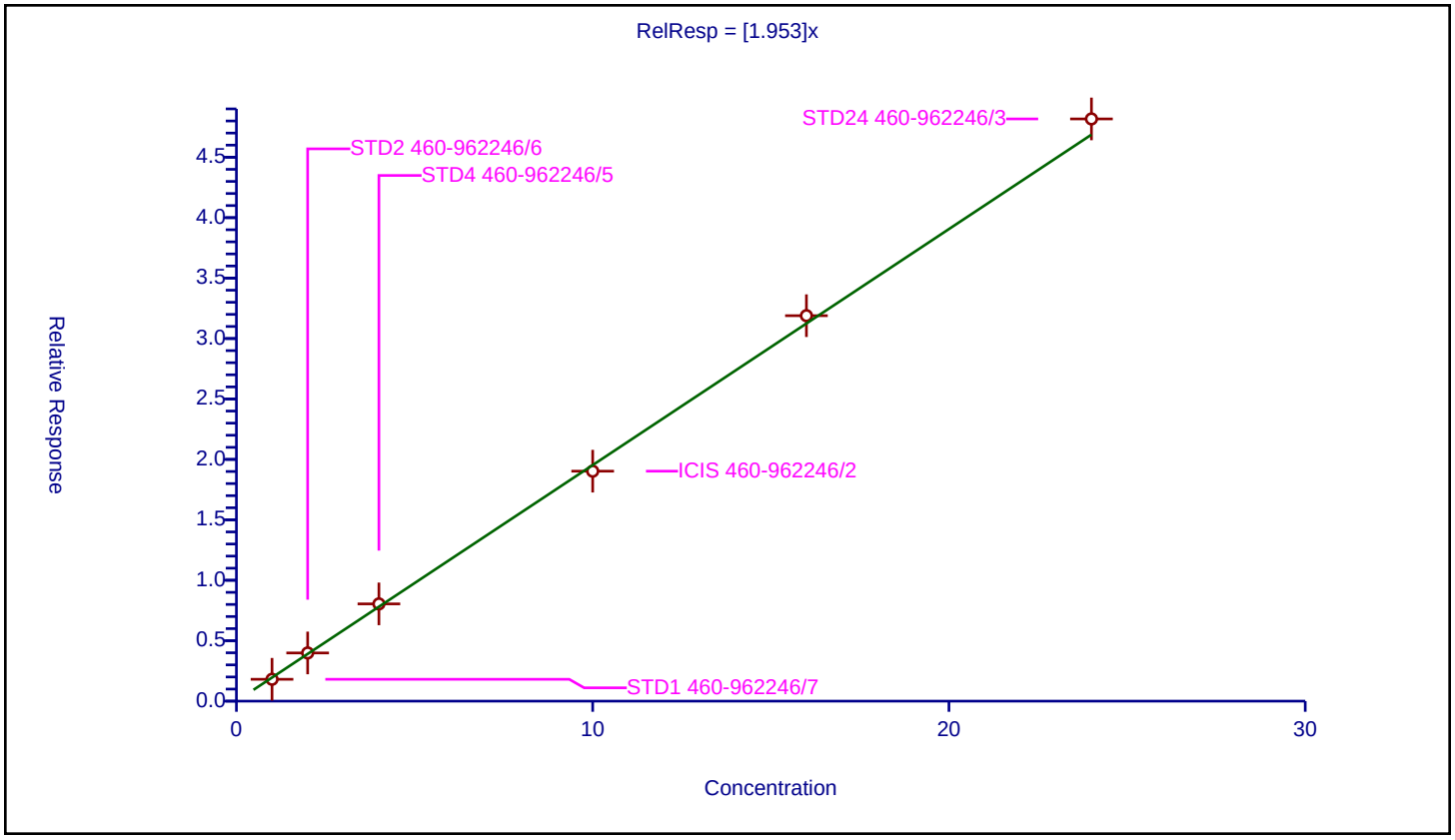
Curve Coefficients

Intercept:	0
Slope:	1.953

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.808479	8.0	364169.0	1.808479	Y
2	STD2 460-962246/6	2.0	3.988349	8.0	354643.0	1.994174	Y
3	STD4 460-962246/5	4.0	8.046064	8.0	360538.0	2.011516	Y
4	ICIS 460-962246/2	10.0	19.027443	8.0	379005.0	1.902744	Y
5	STD16 460-962246/4	16.0	31.890294	8.0	371686.0	1.993143	Y
6	STD24 460-962246/3	24.0	48.169886	8.0	341358.0	2.007079	Y



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Calibration

/ 3 & 4 Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

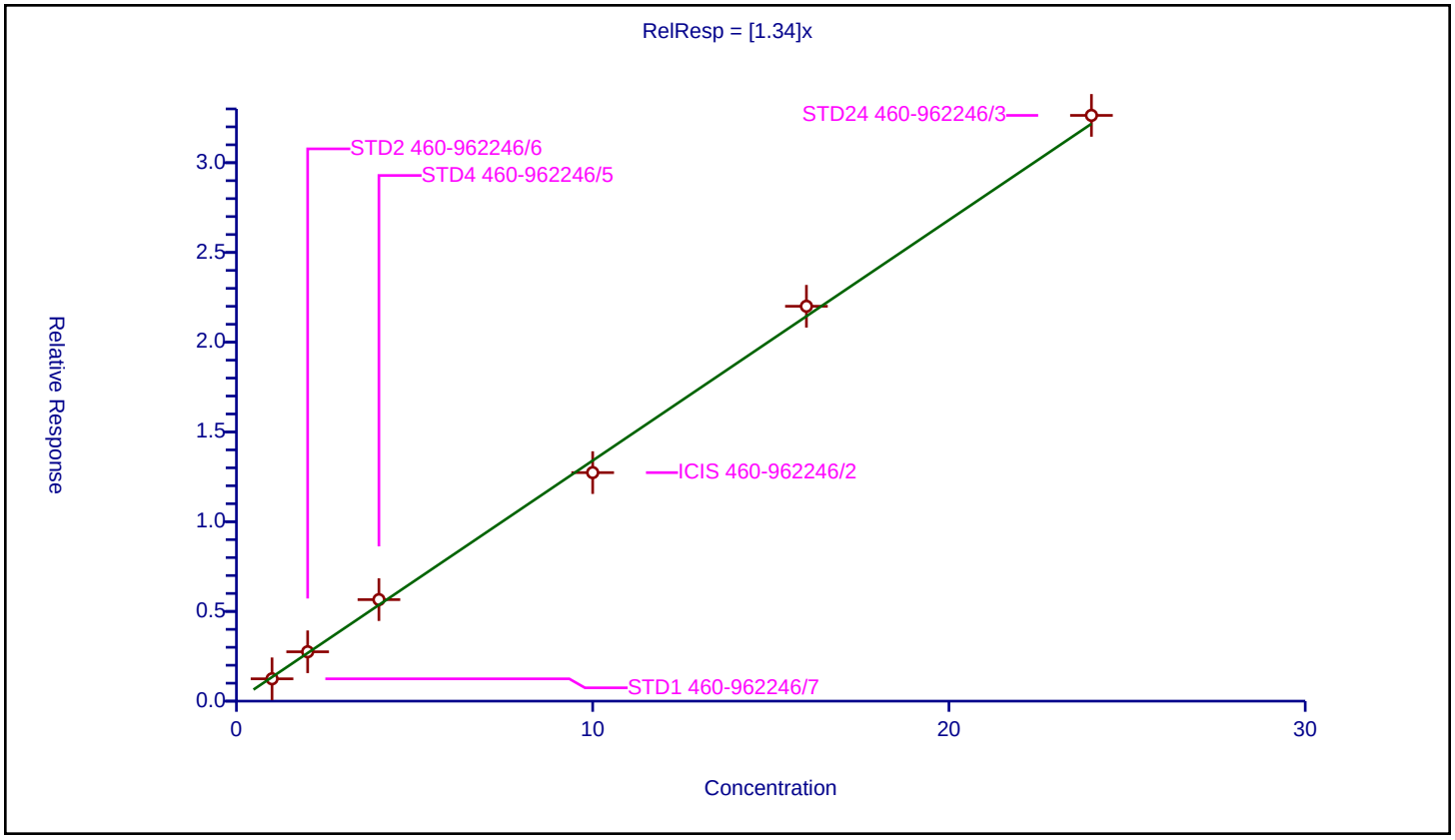
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.244741	8.0	364169.0	1.244741	Y
2	STD2 460-962246/6	2.0	2.750033	8.0	354643.0	1.375017	Y
3	STD4 460-962246/5	4.0	5.655925	8.0	360538.0	1.413981	Y
4	ICIS 460-962246/2	10.0	12.733827	8.0	379005.0	1.273383	Y
5	STD16 460-962246/4	16.0	22.00339	8.0	371686.0	1.375212	Y
6	STD24 460-962246/3	24.0	32.638344	8.0	341358.0	1.359931	Y



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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

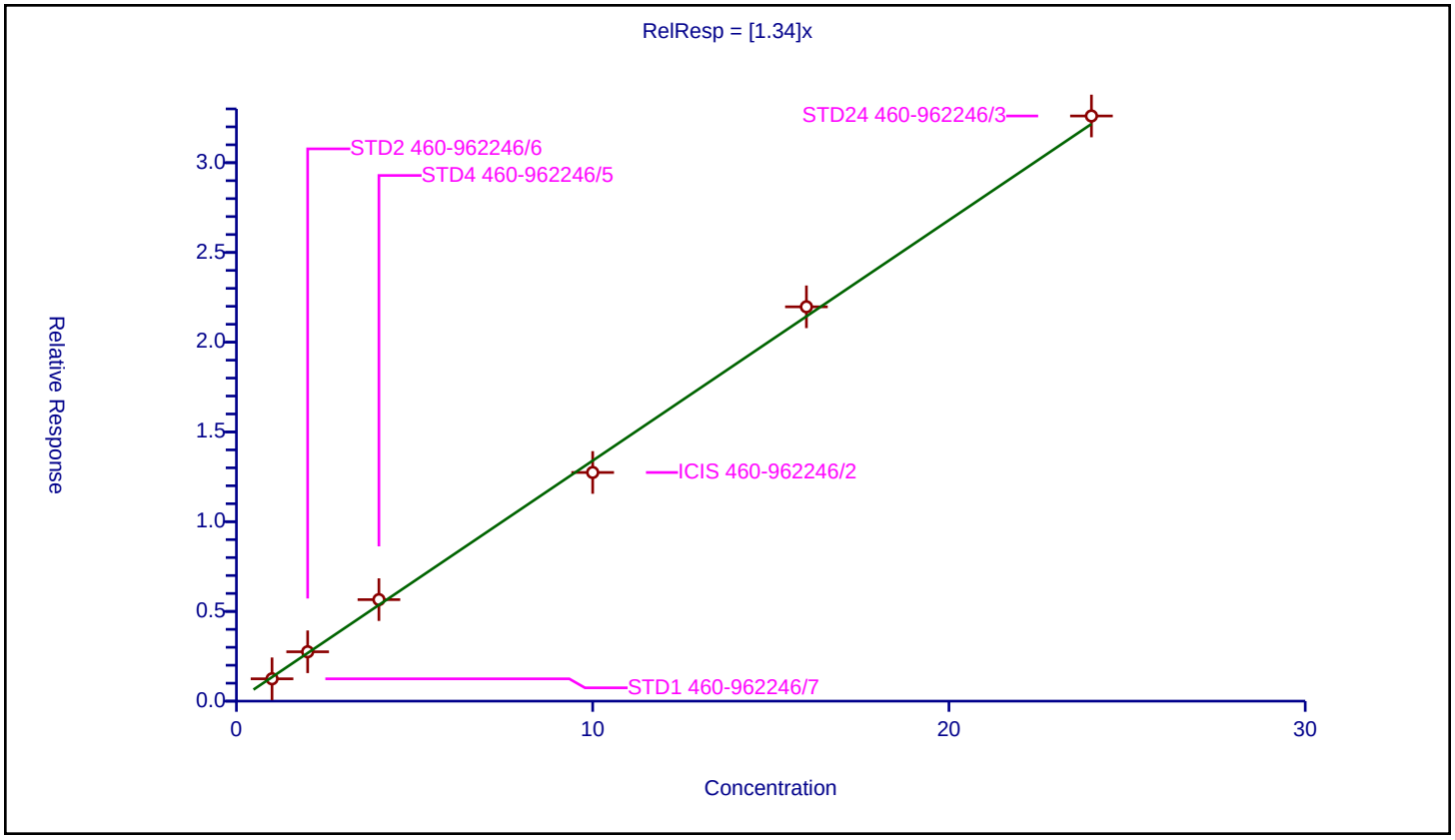
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.244741	8.0	364169.0	1.244741	Y
2	STD2 460-962246/6	2.0	2.750033	8.0	354643.0	1.375017	Y
3	STD4 460-962246/5	4.0	5.655925	8.0	360538.0	1.413981	Y
4	ICIS 460-962246/2	10.0	12.740982	8.0	379005.0	1.274098	Y
5	STD16 460-962246/4	16.0	21.971944	8.0	371686.0	1.373247	Y
6	STD24 460-962246/3	24.0	32.605464	8.0	341358.0	1.358561	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

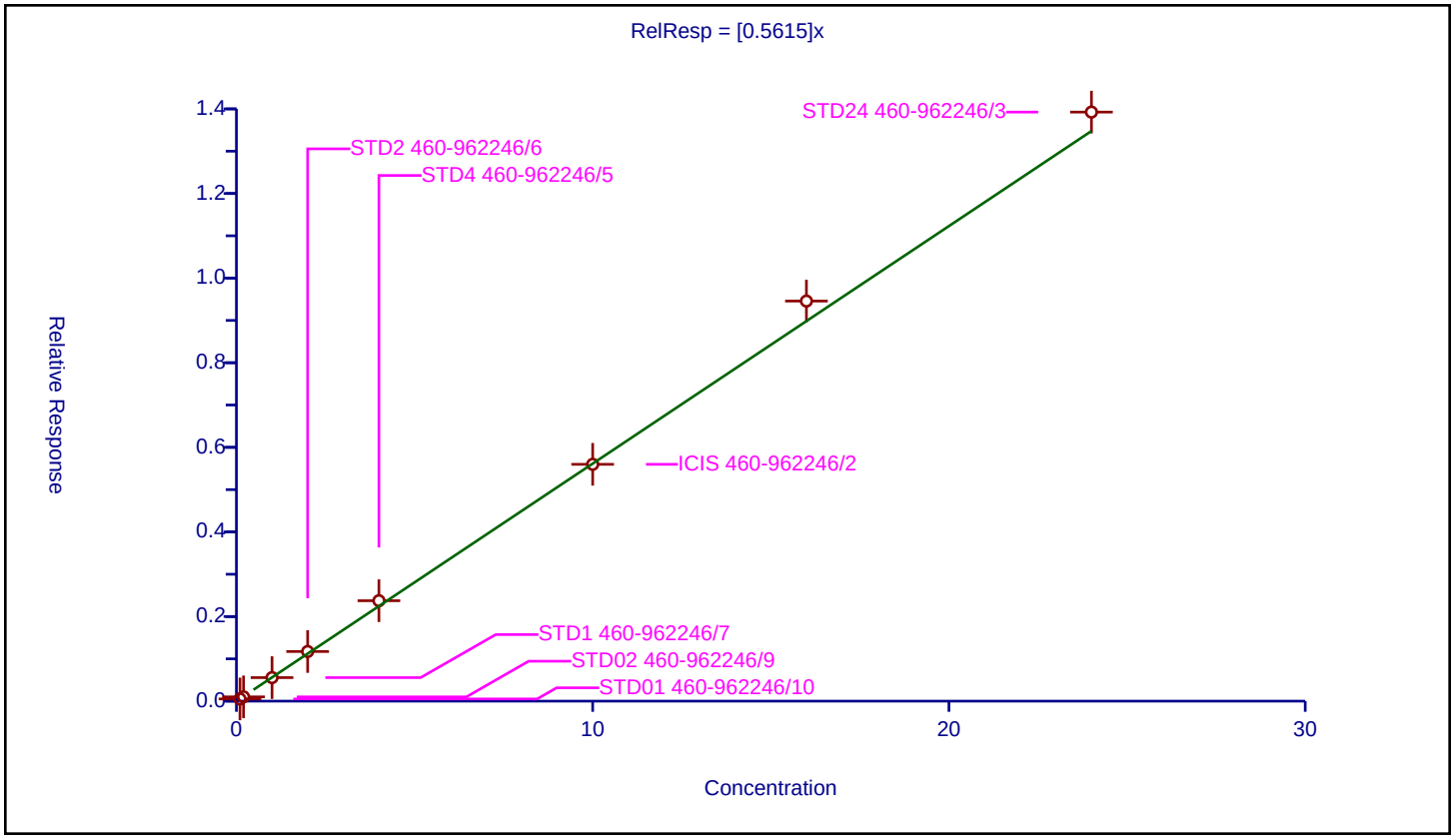
Curve Coefficients

Intercept:	0
Slope:	0.5615

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.051901	8.0	327241.0	0.519006	Y
2	STD02 460-962246/9	0.2	0.101134	8.0	374395.0	0.505669	Y
3	STD1 460-962246/7	1.0	0.556093	8.0	364169.0	0.556093	Y
4	STD2 460-962246/6	2.0	1.173304	8.0	354643.0	0.586652	Y
5	STD4 460-962246/5	4.0	2.374052	8.0	360538.0	0.593513	Y
6	ICIS 460-962246/2	10.0	5.598259	8.0	379005.0	0.559826	Y
7	STD16 460-962246/4	16.0	9.457424	8.0	371686.0	0.591089	Y
8	STD24 460-962246/3	24.0	13.92415	8.0	341358.0	0.580173	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

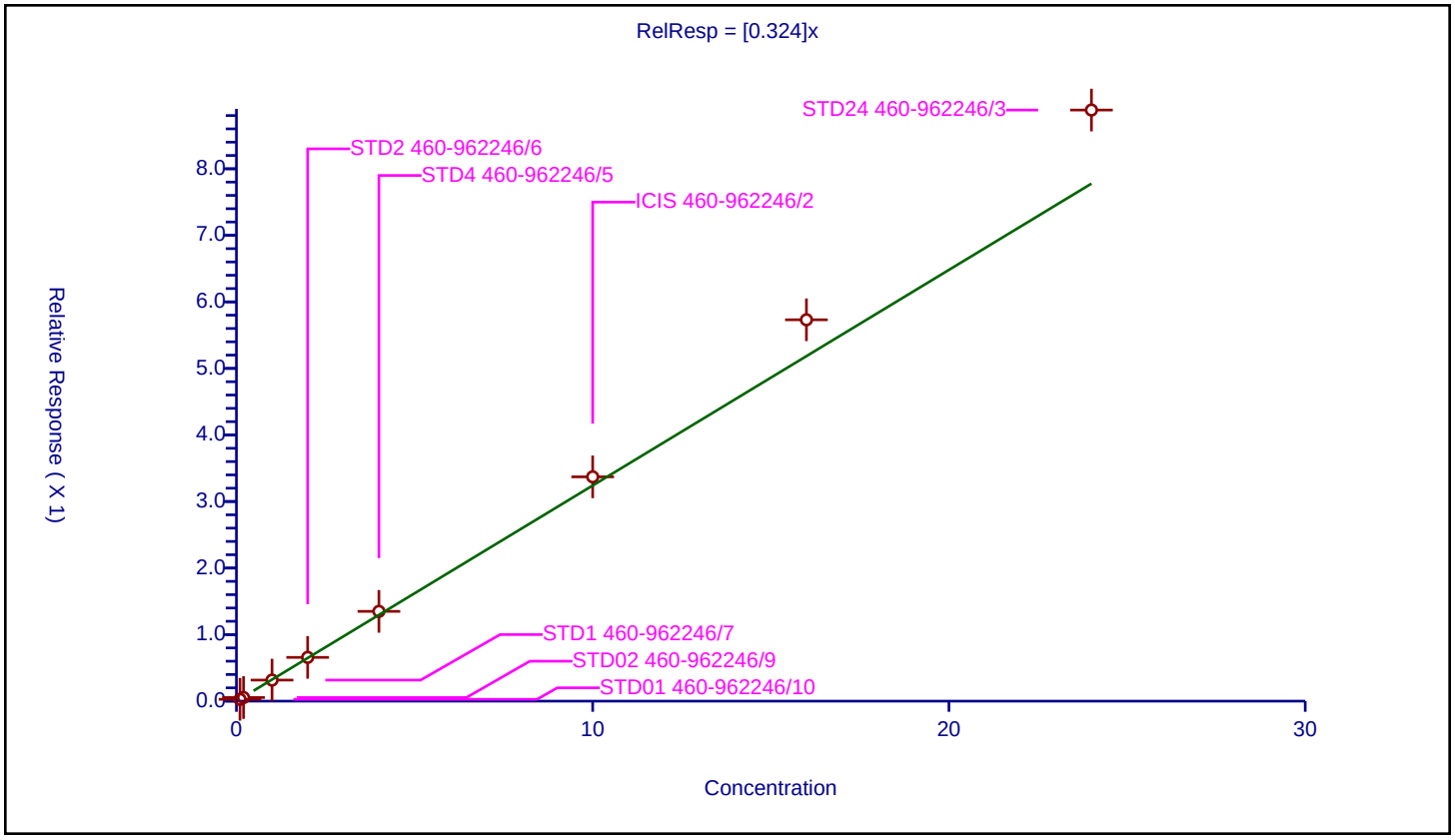
Curve Coefficients

Intercept:	0
Slope:	0.324

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.027356	8.0	1297280.0	0.273557	Y
2	STD02 460-962246/9	0.2	0.054212	8.0	1479519.0	0.271061	Y
3	STD1 460-962246/7	1.0	0.31625	8.0	1443569.0	0.31625	Y
4	STD2 460-962246/6	2.0	0.657551	8.0	1432430.0	0.328776	Y
5	STD4 460-962246/5	4.0	1.349081	8.0	1416775.0	0.33727	Y
6	ICIS 460-962246/2	10.0	3.370717	8.0	1505123.0	0.337072	Y
7	STD16 460-962246/4	16.0	5.730801	8.0	1458206.0	0.358175	Y
8	STD24 460-962246/3	24.0	8.882628	8.0	1358416.0	0.37011	Y



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Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

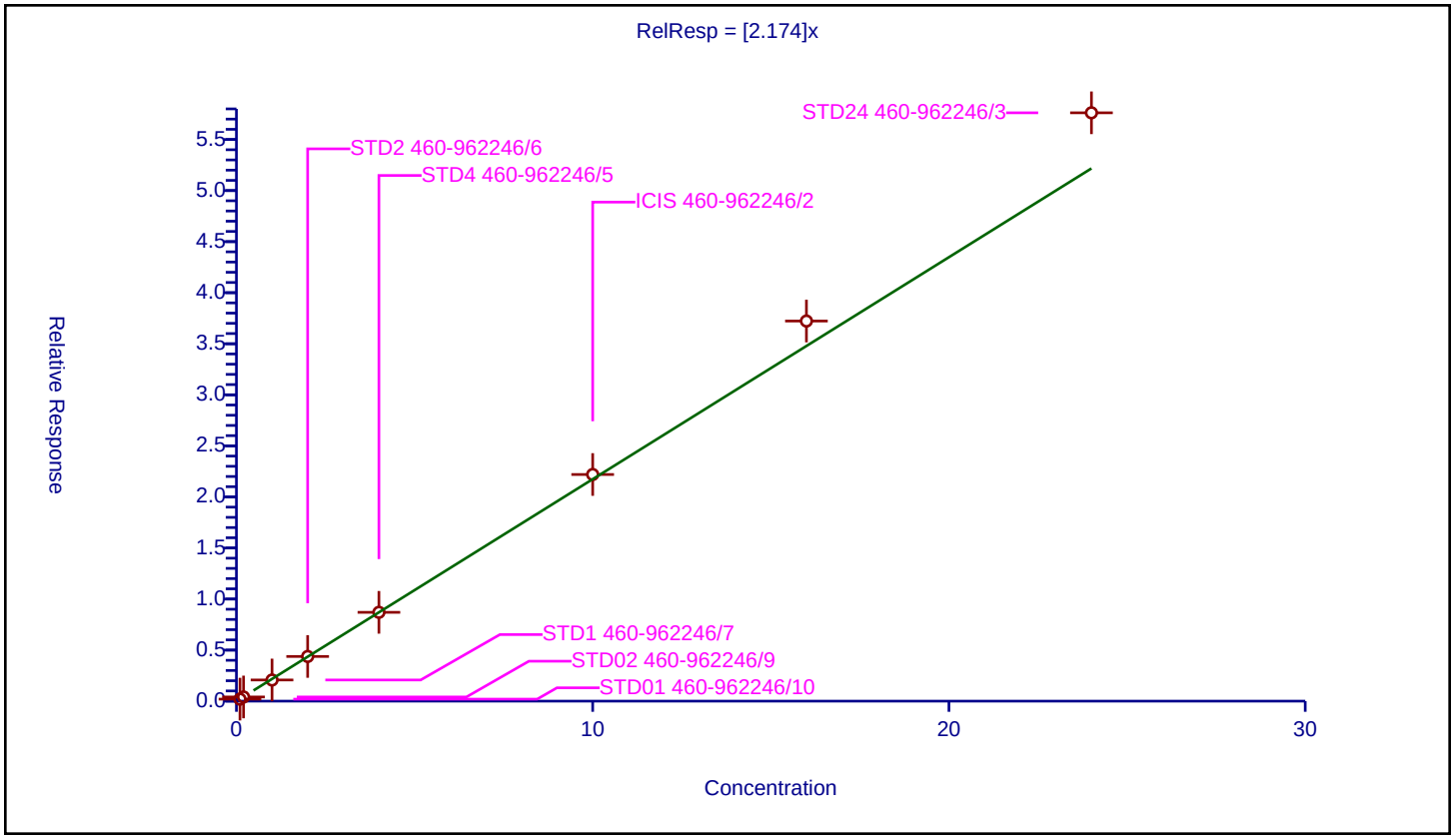
Curve Coefficients

Intercept:	0
Slope:	2.174

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.197212	8.0	327241.0	1.972125	Y
2	STD02 460-962246/9	0.2	0.407676	8.0	374395.0	2.038382	Y
3	STD1 460-962246/7	1.0	2.070995	8.0	364169.0	2.070995	Y
4	STD2 460-962246/6	2.0	4.375984	8.0	354643.0	2.187992	Y
5	STD4 460-962246/5	4.0	8.696204	8.0	360538.0	2.174051	Y
6	ICIS 460-962246/2	10.0	22.195844	8.0	379005.0	2.219584	Y
7	STD16 460-962246/4	16.0	37.224969	8.0	371686.0	2.326561	Y
8	STD24 460-962246/3	24.0	57.617352	8.0	341358.0	2.400723	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

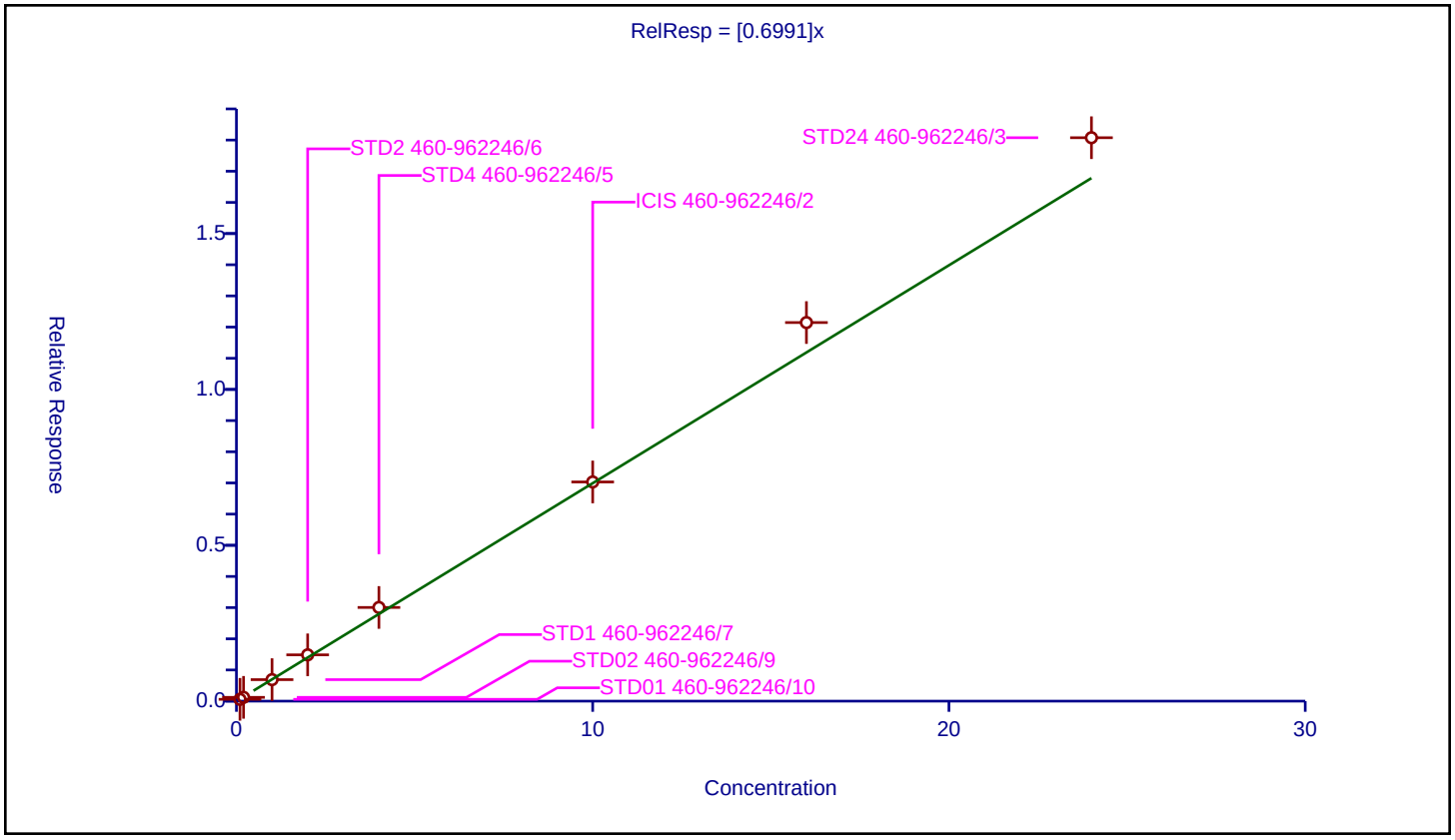
Curve Coefficients

Intercept:	0
Slope:	0.6991

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.058257	8.0	327241.0	0.582568	Y
2	STD02 460-962246/9	0.2	0.12216	8.0	374395.0	0.610799	Y
3	STD1 460-962246/7	1.0	0.690185	8.0	364169.0	0.690185	Y
4	STD2 460-962246/6	2.0	1.48537	8.0	354643.0	0.742685	Y
5	STD4 460-962246/5	4.0	3.00573	8.0	360538.0	0.751433	Y
6	ICIS 460-962246/2	10.0	7.031759	8.0	379005.0	0.703176	Y
7	STD16 460-962246/4	16.0	12.14537	8.0	371686.0	0.759086	Y
8	STD24 460-962246/3	24.0	18.075827	8.0	341358.0	0.753159	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

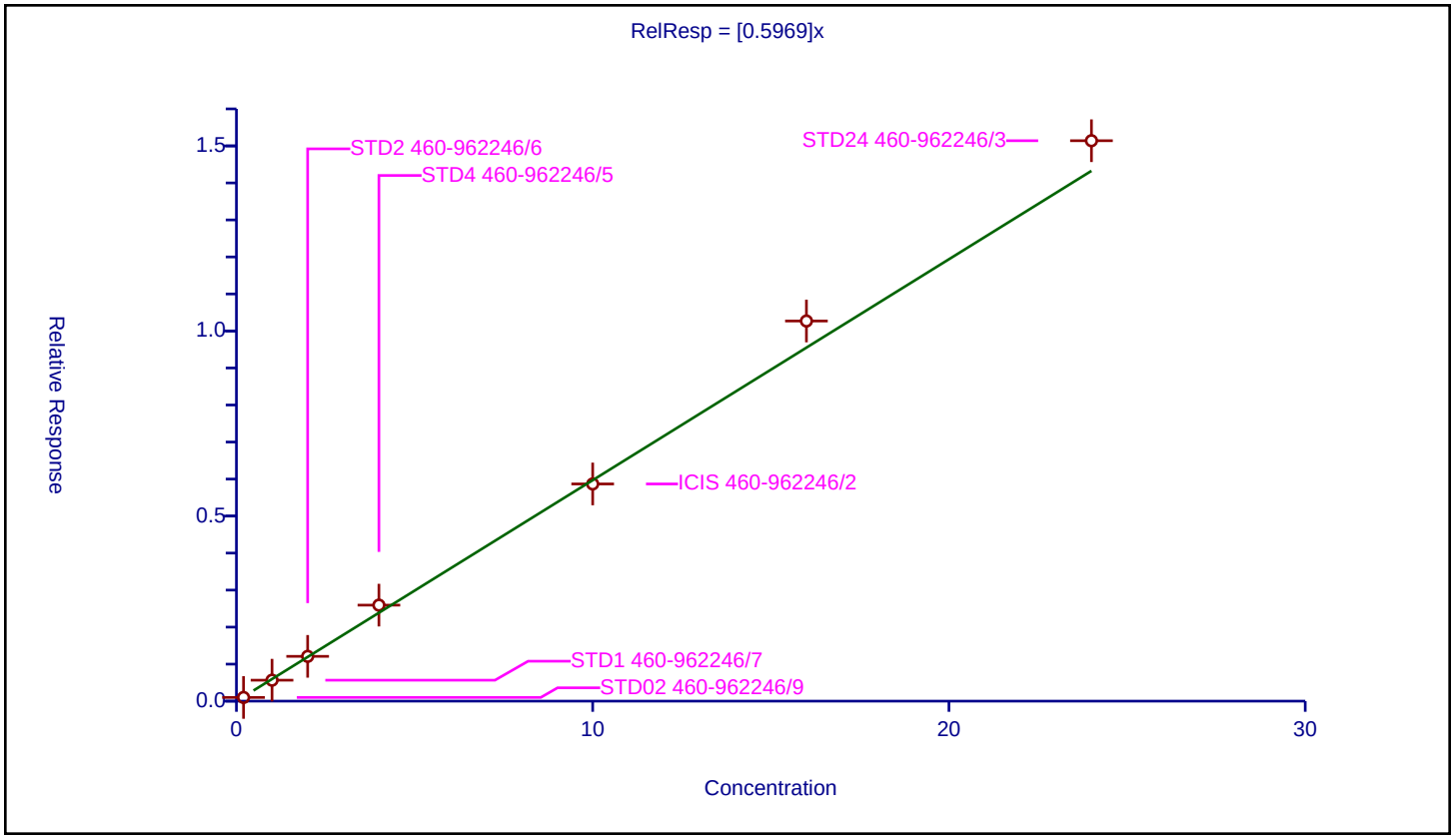
Curve Coefficients

Intercept:	0
Slope:	0.5969

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.099924	8.0	1479519.0	0.499622	Y
2	STD1 460-962246/7	1.0	0.56592	8.0	1443569.0	0.56592	Y
3	STD2 460-962246/6	2.0	1.20976	8.0	1432430.0	0.60488	Y
4	STD4 460-962246/5	4.0	2.593778	8.0	1416775.0	0.648445	Y
5	ICIS 460-962246/2	10.0	5.867358	8.0	1505123.0	0.586736	Y
6	STD16 460-962246/4	16.0	10.269556	8.0	1458206.0	0.641847	Y
7	STD24 460-962246/3	24.0	15.139804	8.0	1358416.0	0.630825	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

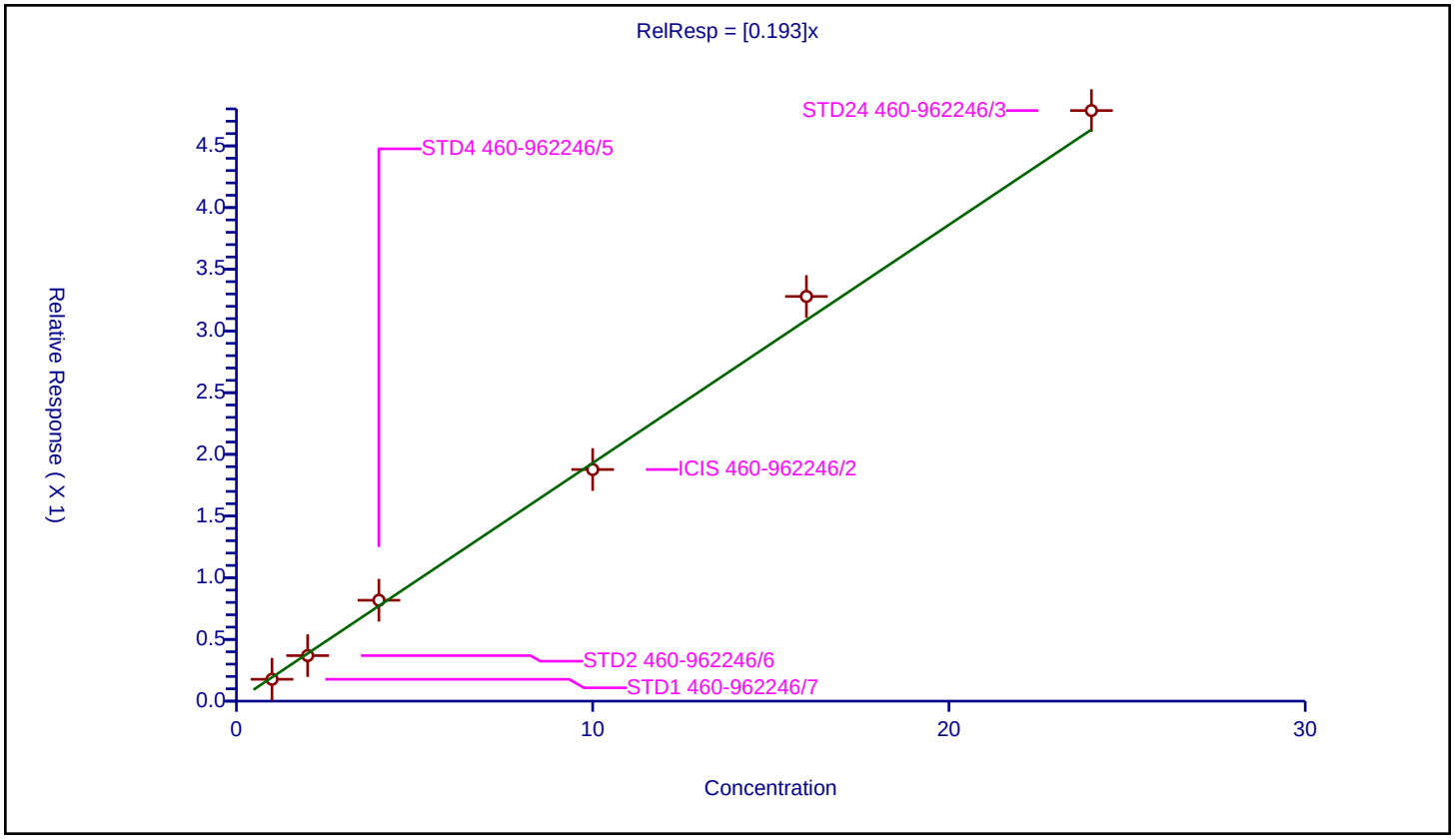
Curve Coefficients

Intercept:	0
Slope:	0.193

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.177061	8.0	1443569.0	0.177061	Y
2	STD2 460-962246/6	2.0	0.369029	8.0	1432430.0	0.184514	Y
3	STD4 460-962246/5	4.0	0.817705	8.0	1416775.0	0.204426	Y
4	ICIS 460-962246/2	10.0	1.877215	8.0	1505123.0	0.187722	Y
5	STD16 460-962246/4	16.0	3.27986	8.0	1458206.0	0.204991	Y
6	STD24 460-962246/3	24.0	4.786398	8.0	1358416.0	0.199433	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

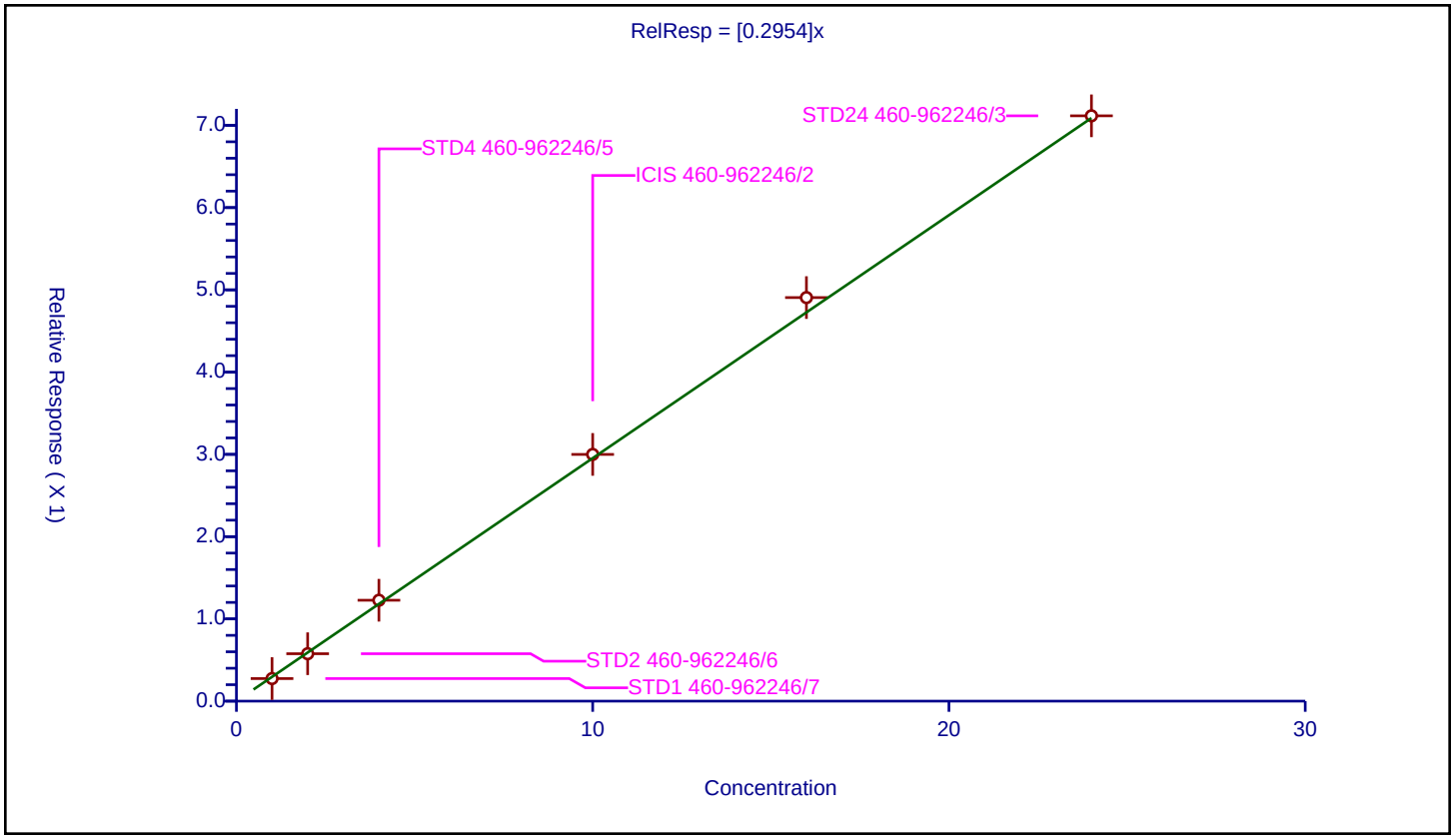
Curve Coefficients

Intercept:	0
Slope:	0.2954

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.274398	8.0	1443569.0	0.274398	Y
2	STD2 460-962246/6	2.0	0.576402	8.0	1432430.0	0.288201	Y
3	STD4 460-962246/5	4.0	1.226549	8.0	1416775.0	0.306637	Y
4	ICIS 460-962246/2	10.0	2.999319	8.0	1505123.0	0.299932	Y
5	STD16 460-962246/4	16.0	4.906094	8.0	1458206.0	0.306631	Y
6	STD24 460-962246/3	24.0	7.115658	8.0	1358416.0	0.296486	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

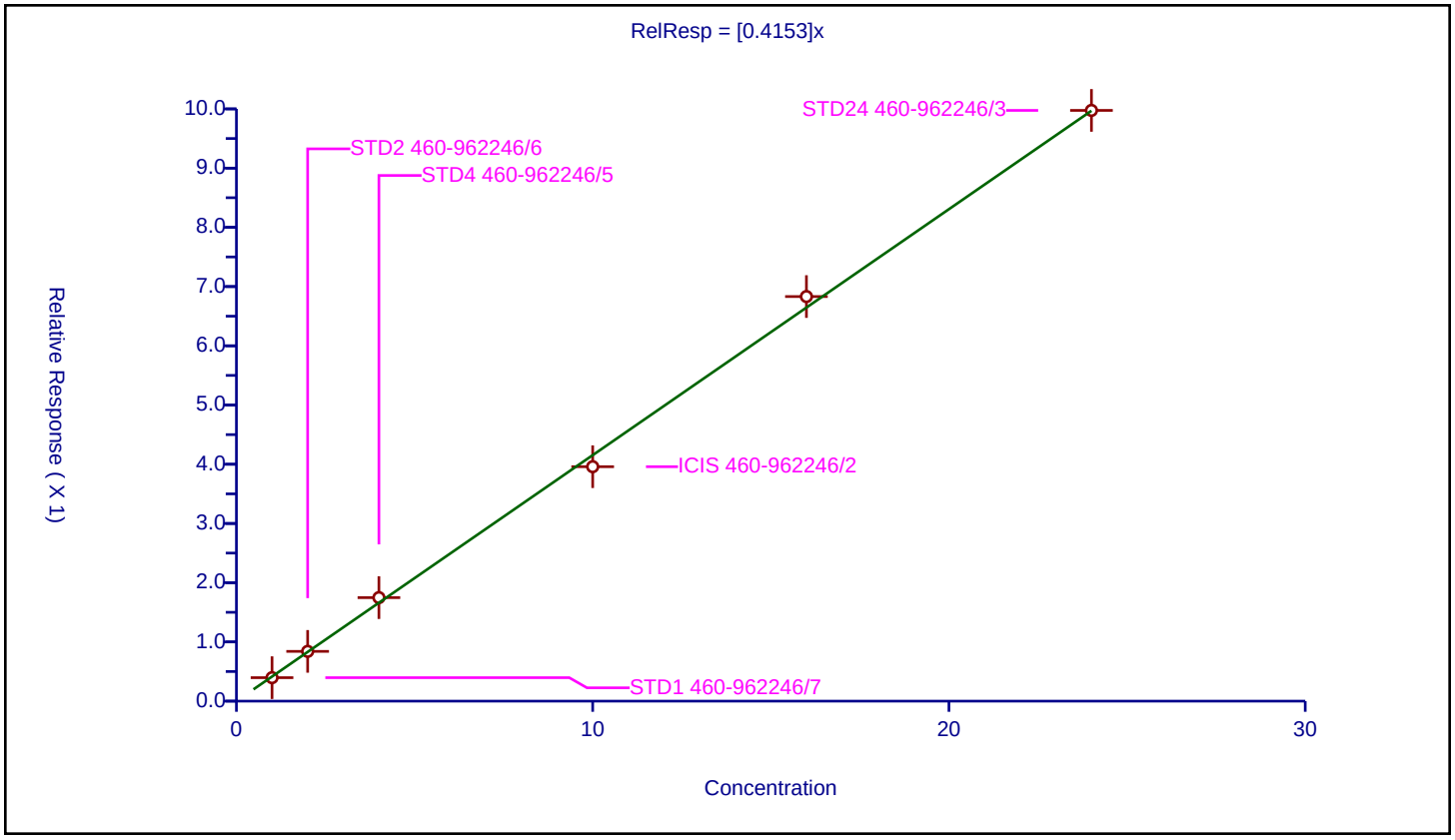
Curve Coefficients

Intercept:	0
Slope:	0.4153

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.396373	8.0	1443569.0	0.396373	Y
2	STD2 460-962246/6	2.0	0.840463	8.0	1432430.0	0.420231	Y
3	STD4 460-962246/5	4.0	1.747891	8.0	1416775.0	0.436973	Y
4	ICIS 460-962246/2	10.0	3.958656	8.0	1505123.0	0.395866	Y
5	STD16 460-962246/4	16.0	6.831441	8.0	1458206.0	0.426965	Y
6	STD24 460-962246/3	24.0	9.974276	8.0	1358416.0	0.415595	Y



Calibration / Benzoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

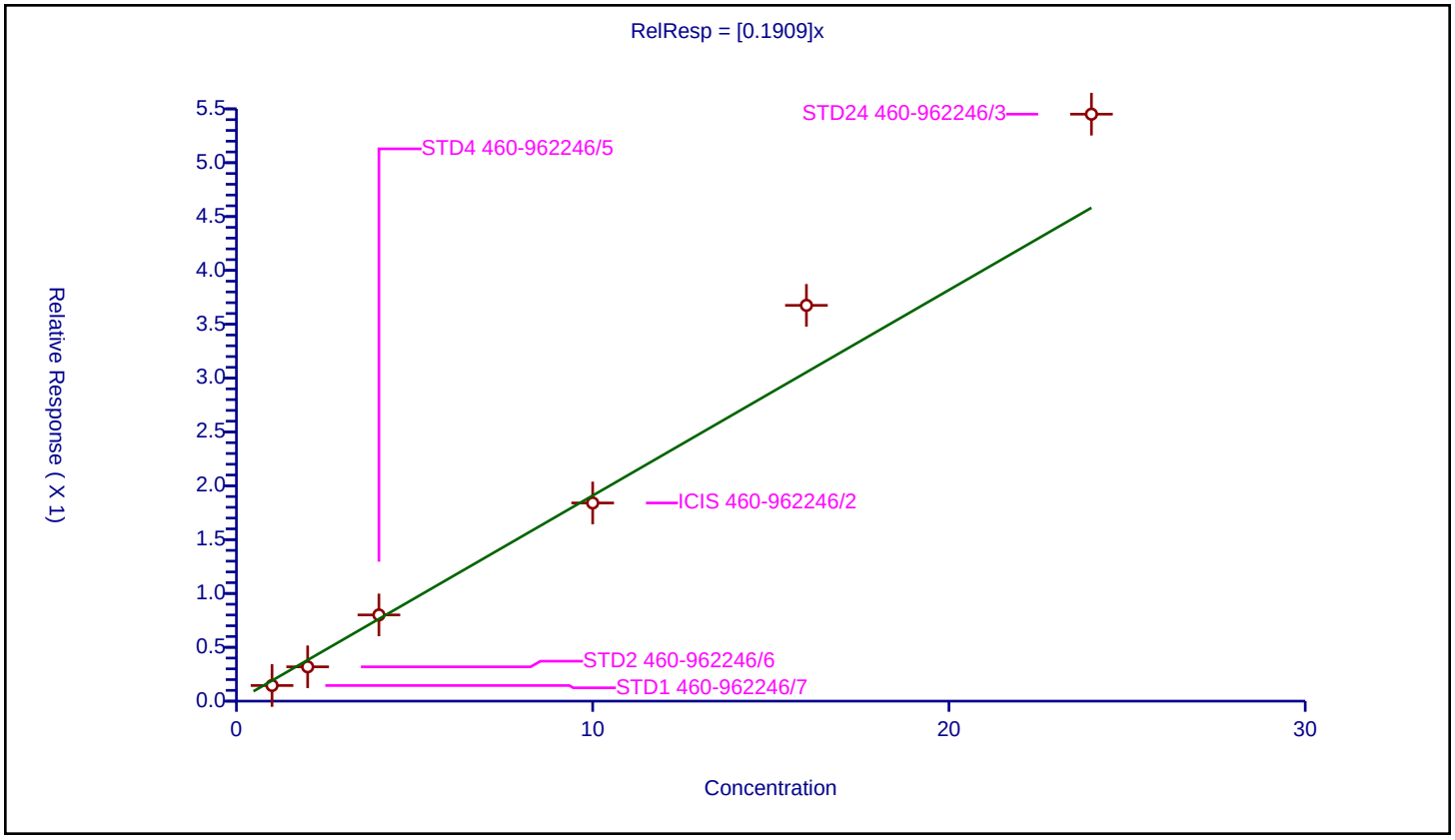
Curve Coefficients

Intercept:	0
Slope:	0.1909

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.145146	8.0	1443569.0	0.145146	Y
2	STD2 460-962246/6	2.0	0.318653	8.0	1432430.0	0.159326	Y
3	STD4 460-962246/5	4.0	0.800404	8.0	1416775.0	0.200101	Y
4	ICIS 460-962246/2	10.0	1.840317	8.0	1505123.0	0.184032	Y
5	STD16 460-962246/4	16.0	3.675525	8.0	1458206.0	0.22972	Y
6	STD24 460-962246/3	24.0	5.450961	8.0	1358416.0	0.227123	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

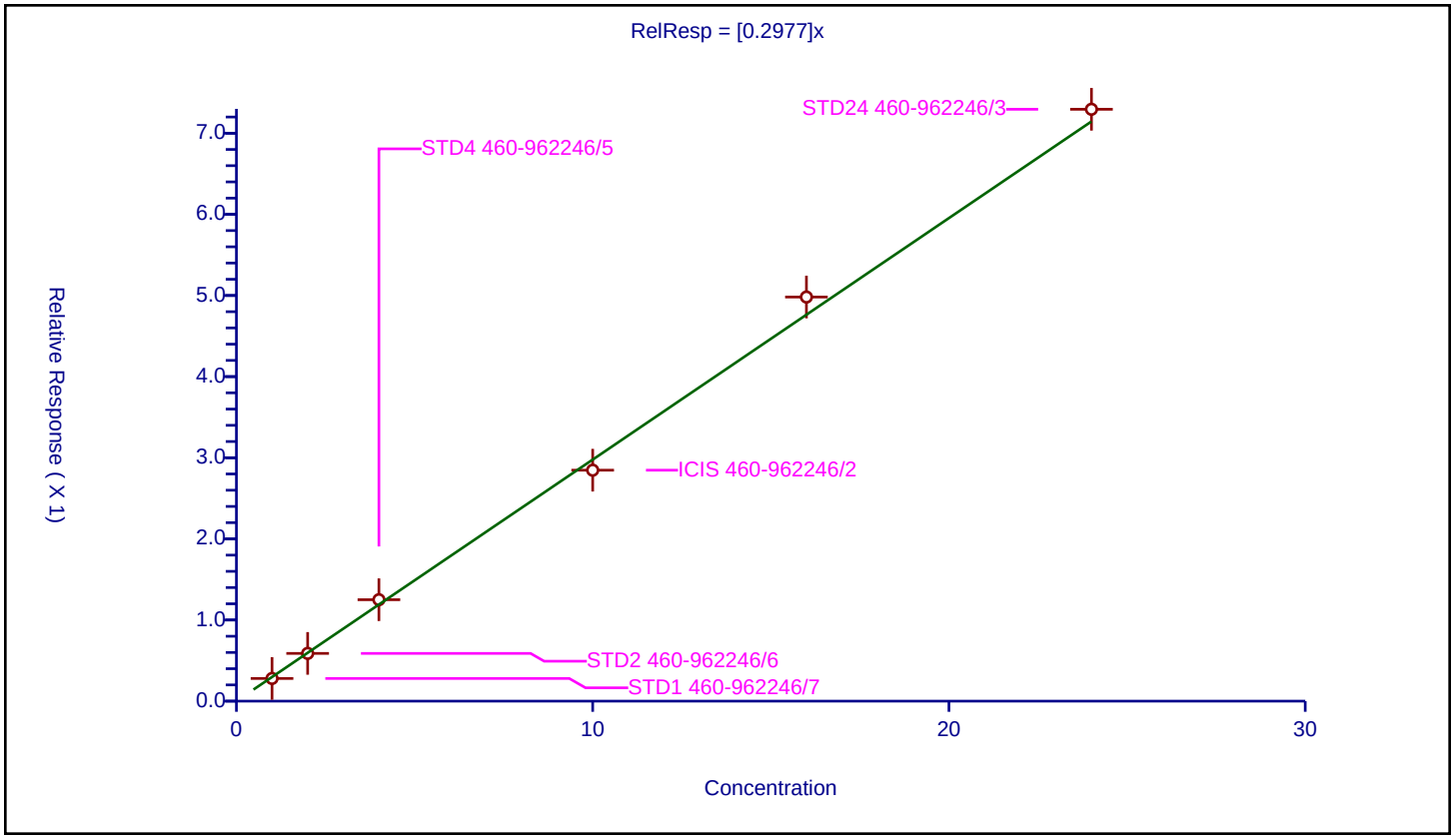
Curve Coefficients

Intercept:	0
Slope:	0.2977

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.27938	8.0	1443569.0	0.27938	Y
2	STD2 460-962246/6	2.0	0.588605	8.0	1432430.0	0.294303	Y
3	STD4 460-962246/5	4.0	1.250197	8.0	1416775.0	0.312549	Y
4	ICIS 460-962246/2	10.0	2.846672	8.0	1505123.0	0.284667	Y
5	STD16 460-962246/4	16.0	4.98109	8.0	1458206.0	0.311318	Y
6	STD24 460-962246/3	24.0	7.295226	8.0	1358416.0	0.303968	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

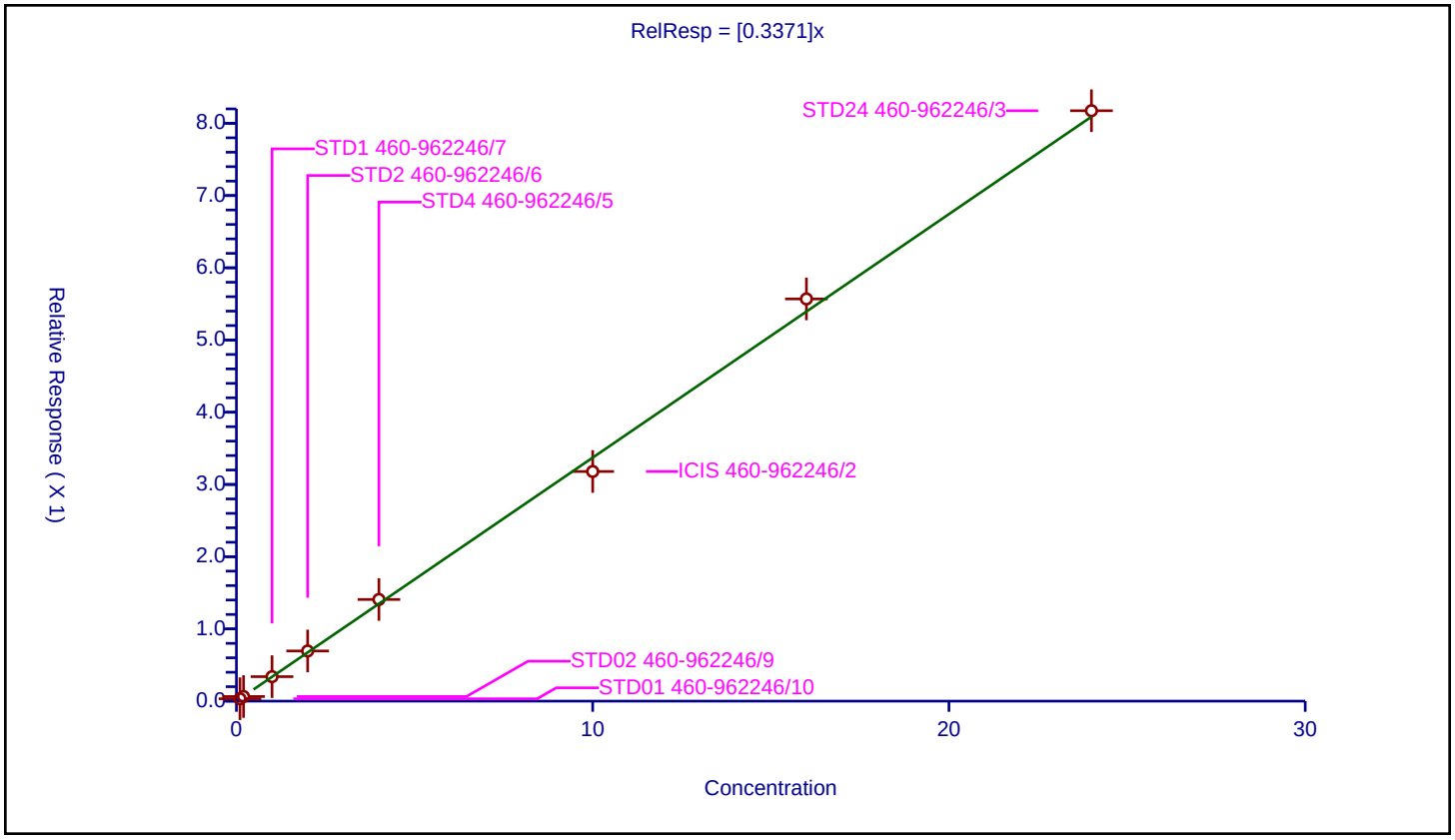
Curve Coefficients

Intercept:	0
Slope:	0.3371

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.033171	8.0	1297280.0	0.331709	Y
2	STD02 460-962246/9	0.2	0.064151	8.0	1479519.0	0.320753	Y
3	STD1 460-962246/7	1.0	0.33896	8.0	1443569.0	0.33896	Y
4	STD2 460-962246/6	2.0	0.694406	8.0	1432430.0	0.347203	Y
5	STD4 460-962246/5	4.0	1.407569	8.0	1416775.0	0.351892	Y
6	ICIS 460-962246/2	10.0	3.179541	8.0	1505123.0	0.317954	Y
7	STD16 460-962246/4	16.0	5.568832	8.0	1458206.0	0.348052	Y
8	STD24 460-962246/3	24.0	8.174397	8.0	1358416.0	0.3406	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

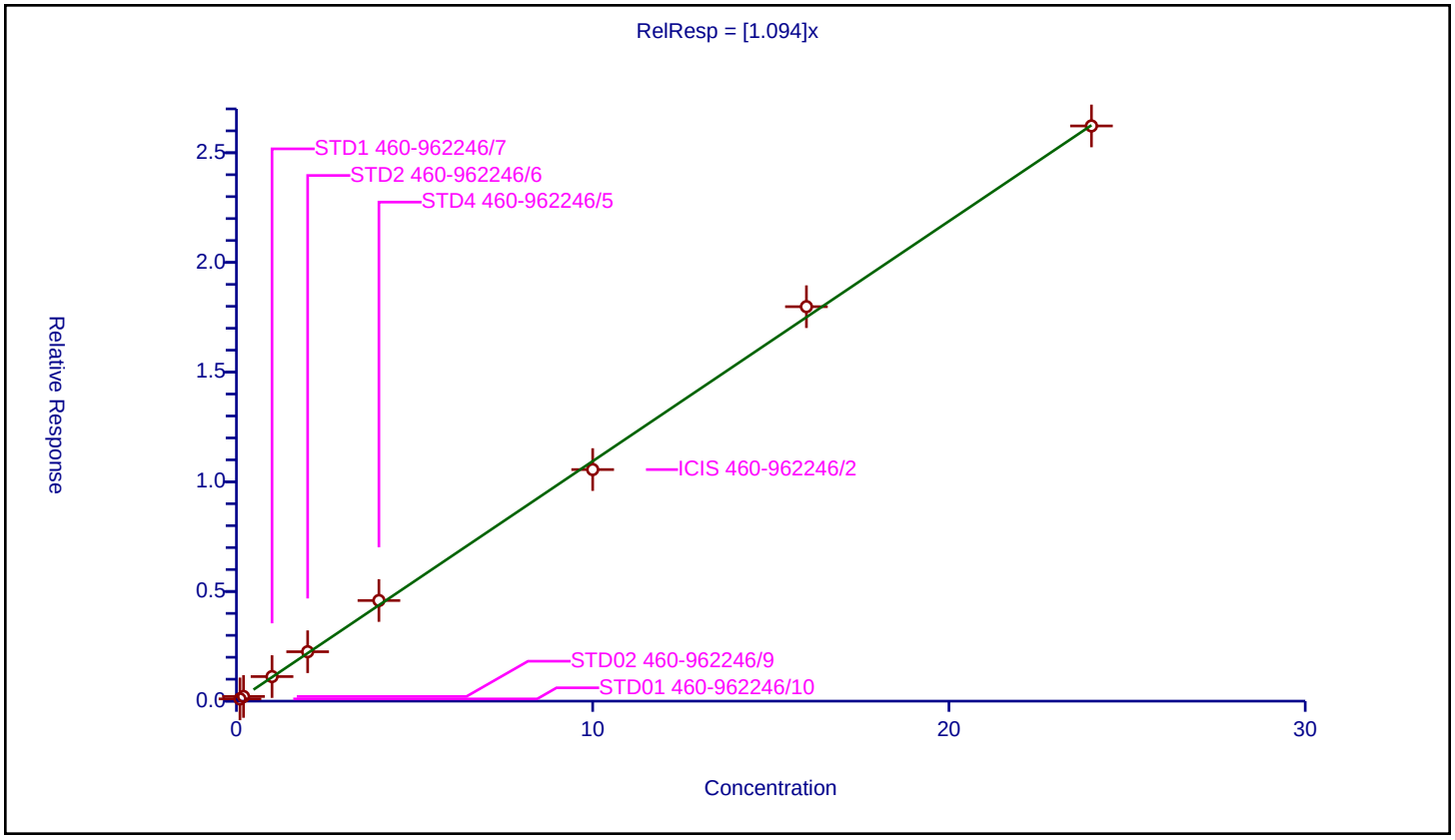
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.102331	8.0	1297280.0	1.02331	Y
2	STD02 460-962246/9	0.2	0.212523	8.0	1479519.0	1.062616	Y
3	STD1 460-962246/7	1.0	1.120285	8.0	1443569.0	1.120285	Y
4	STD2 460-962246/6	2.0	2.252508	8.0	1432430.0	1.126254	Y
5	STD4 460-962246/5	4.0	4.588274	8.0	1416775.0	1.147069	Y
6	ICIS 460-962246/2	10.0	10.557165	8.0	1505123.0	1.055717	Y
7	STD16 460-962246/4	16.0	17.982633	8.0	1458206.0	1.123915	Y
8	STD24 460-962246/3	24.0	26.222412	8.0	1358416.0	1.0926	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

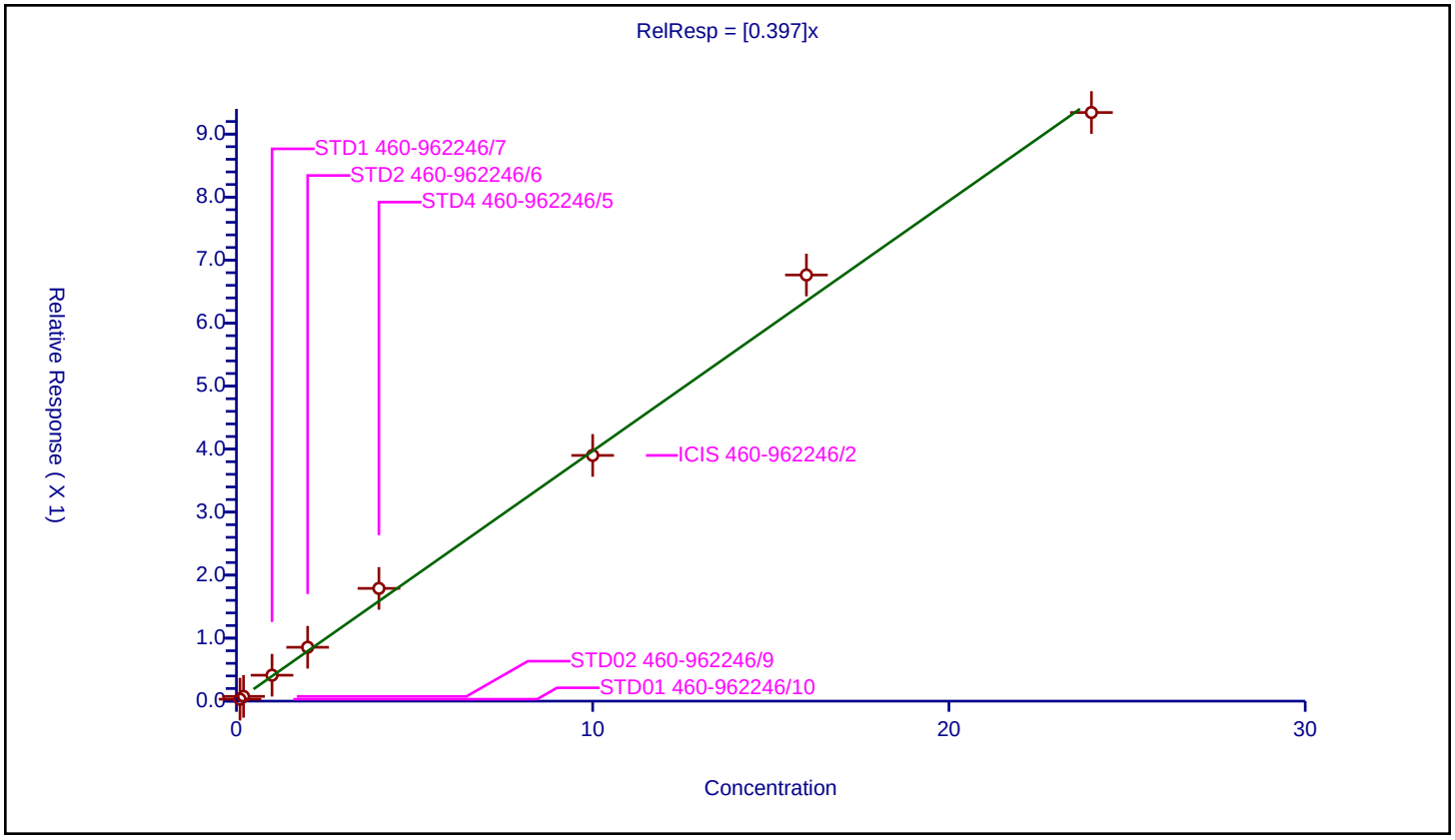
Curve Coefficients

Intercept:	0
Slope:	0.397

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.031006	8.0	1297280.0	0.310064	Y
2	STD02 460-962246/9	0.2	0.075446	8.0	1479519.0	0.377231	Y
3	STD1 460-962246/7	1.0	0.41158	8.0	1443569.0	0.41158	Y
4	STD2 460-962246/6	2.0	0.855157	8.0	1432430.0	0.427578	Y
5	STD4 460-962246/5	4.0	1.789427	8.0	1416775.0	0.447357	Y
6	ICIS 460-962246/2	10.0	3.900343	8.0	1505123.0	0.390034	Y
7	STD16 460-962246/4	16.0	6.763681	8.0	1458206.0	0.42273	Y
8	STD24 460-962246/3	24.0	9.34254	8.0	1358416.0	0.389273	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

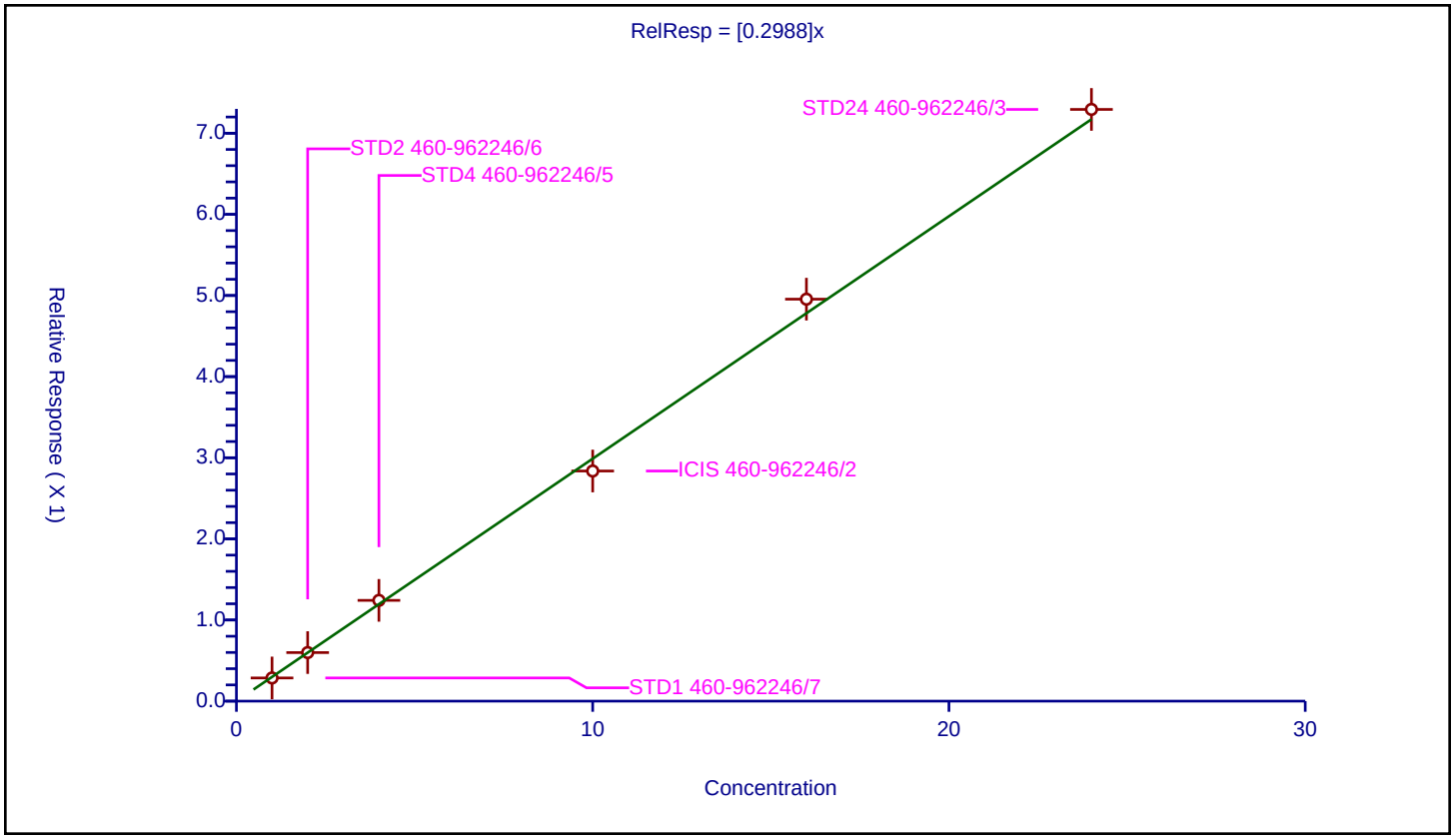
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.285875	8.0	1443569.0	0.285875	Y
2	STD2 460-962246/6	2.0	0.598614	8.0	1432430.0	0.299307	Y
3	STD4 460-962246/5	4.0	1.242128	8.0	1416775.0	0.310532	Y
4	ICIS 460-962246/2	10.0	2.836712	8.0	1505123.0	0.283671	Y
5	STD16 460-962246/4	16.0	4.954537	8.0	1458206.0	0.309659	Y
6	STD24 460-962246/3	24.0	7.293295	8.0	1358416.0	0.303887	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

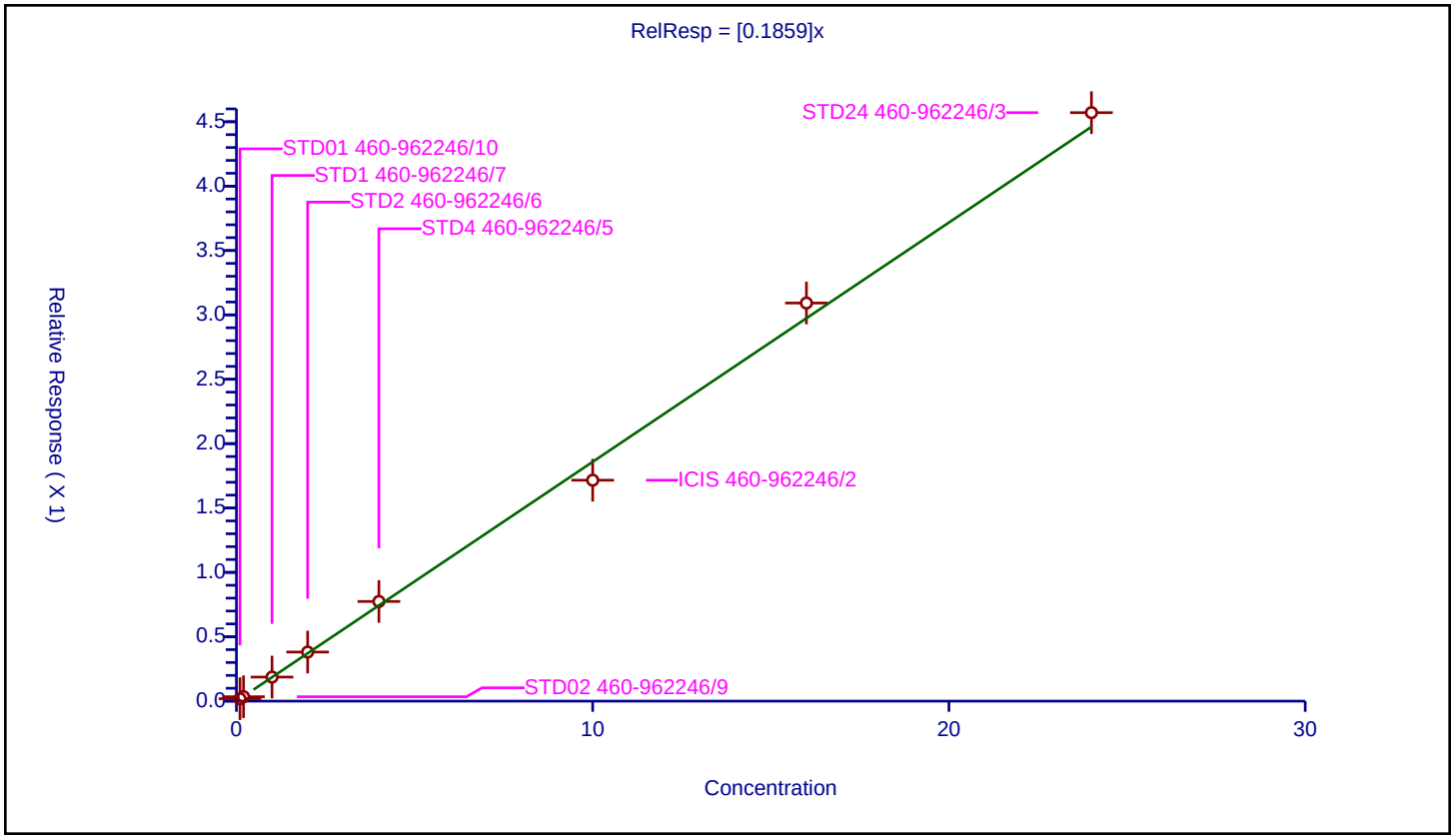
Curve Coefficients

Intercept:	0
Slope:	0.1859

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.01892	8.0	1297280.0	0.189196	Y
2	STD02 460-962246/9	0.2	0.034281	8.0	1479519.0	0.171407	Y
3	STD1 460-962246/7	1.0	0.186842	8.0	1443569.0	0.186842	Y
4	STD2 460-962246/6	2.0	0.381277	8.0	1432430.0	0.190638	Y
5	STD4 460-962246/5	4.0	0.774192	8.0	1416775.0	0.193548	Y
6	ICIS 460-962246/2	10.0	1.716022	8.0	1505123.0	0.171602	Y
7	STD16 460-962246/4	16.0	3.092057	8.0	1458206.0	0.193254	Y
8	STD24 460-962246/3	24.0	4.570906	8.0	1358416.0	0.190454	Y



Calibration / Caprolactam

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

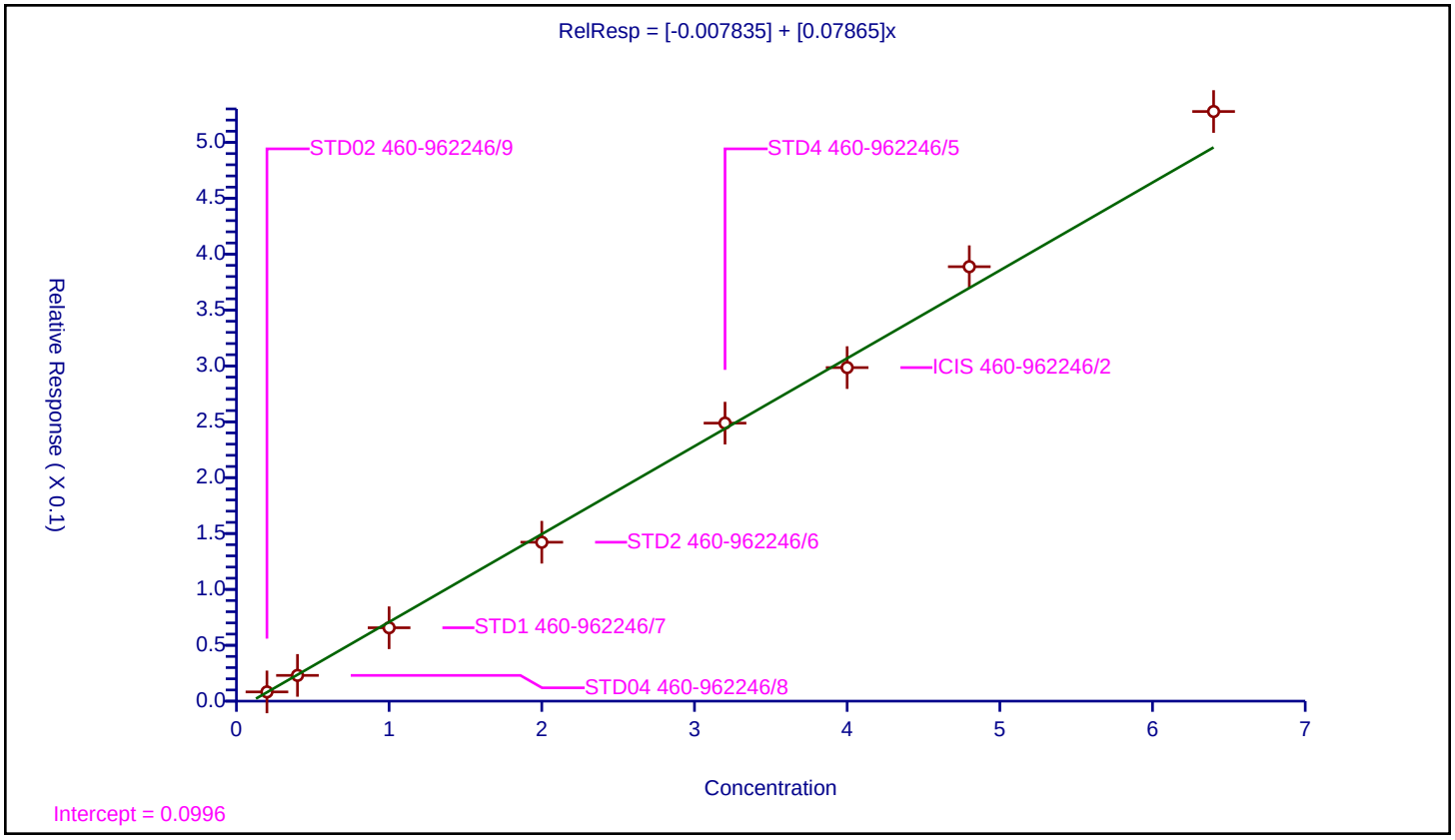
Curve Coefficients

Intercept:	-0.007835
Slope:	0.07865

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.008262	8.0	1479519.0	0.041311	Y
2	STD04 460-962246/8	0.4	0.023024	8.0	1440560.0	0.057561	Y
3	STD1 460-962246/7	1.0	0.065676	8.0	1443569.0	0.065676	Y
4	STD2 460-962246/6	2.0	0.142198	8.0	1432430.0	0.071099	Y
5	STD4 460-962246/5	3.2	0.248796	8.0	1416775.0	0.077749	Y
6	ICIS 460-962246/2	4.0	0.298485	8.0	1505123.0	0.074621	Y
7	STD16 460-962246/4	4.8	0.388774	8.0	1458206.0	0.080995	Y
8	STD24 460-962246/3	6.4	0.527656	8.0	1358416.0	0.082446	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

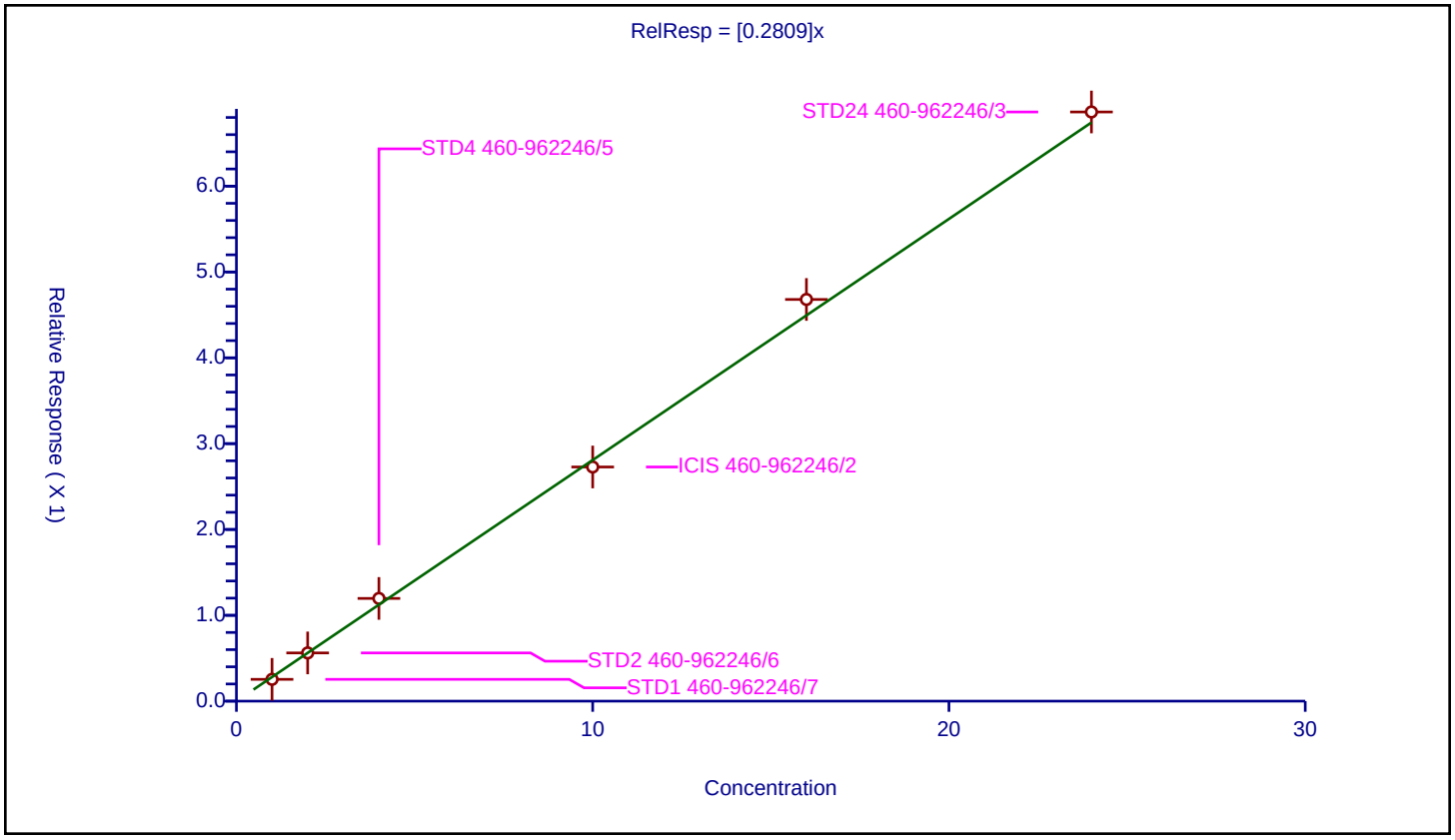
Curve Coefficients

Intercept:	0
Slope:	0.2809

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.253993	8.0	1443569.0	0.253993	Y
2	STD2 460-962246/6	2.0	0.561708	8.0	1432430.0	0.280854	Y
3	STD4 460-962246/5	4.0	1.19682	8.0	1416775.0	0.299205	Y
4	ICIS 460-962246/2	10.0	2.727905	8.0	1505123.0	0.27279	Y
5	STD16 460-962246/4	16.0	4.679871	8.0	1458206.0	0.292492	Y
6	STD24 460-962246/3	24.0	6.864118	8.0	1358416.0	0.286005	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

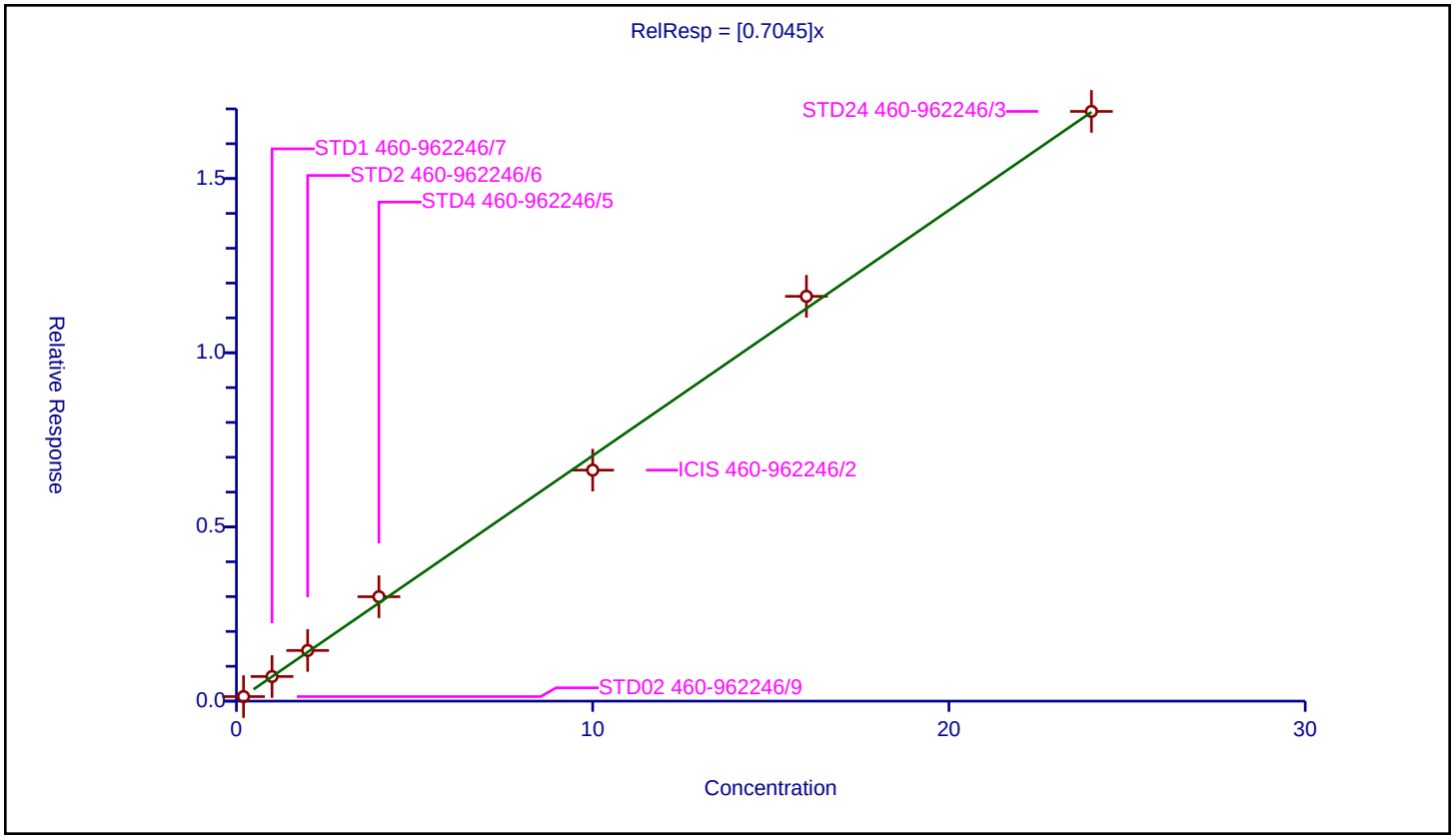
Curve Coefficients

Intercept:	0
Slope:	0.7045

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.130669	8.0	1479519.0	0.653347	Y
2	STD1 460-962246/7	1.0	0.706976	8.0	1443569.0	0.706976	Y
3	STD2 460-962246/6	2.0	1.454669	8.0	1432430.0	0.727335	Y
4	STD4 460-962246/5	4.0	2.997489	8.0	1416775.0	0.749372	Y
5	ICIS 460-962246/2	10.0	6.630905	8.0	1505123.0	0.663091	Y
6	STD16 460-962246/4	16.0	11.620416	8.0	1458206.0	0.726276	Y
7	STD24 460-962246/3	24.0	16.928328	8.0	1358416.0	0.705347	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

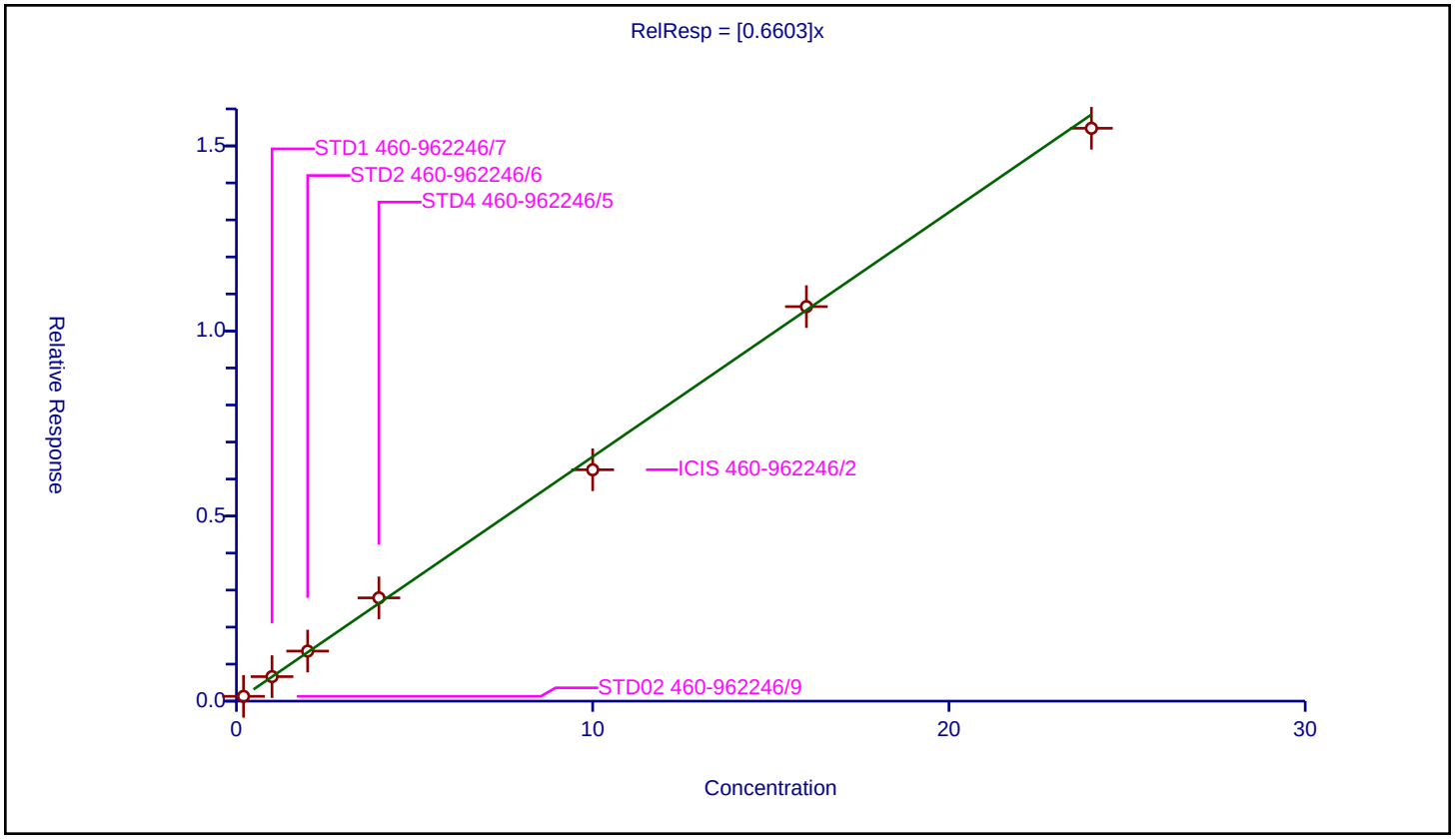
Curve Coefficients

Intercept:	0
Slope:	0.6603

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.129972	8.0	1479519.0	0.64986	Y
2	STD1 460-962246/7	1.0	0.662486	8.0	1443569.0	0.662486	Y
3	STD2 460-962246/6	2.0	1.352376	8.0	1432430.0	0.676188	Y
4	STD4 460-962246/5	4.0	2.790094	8.0	1416775.0	0.697524	Y
5	ICIS 460-962246/2	10.0	6.250859	8.0	1505123.0	0.625086	Y
6	STD16 460-962246/4	16.0	10.658286	8.0	1458206.0	0.666143	Y
7	STD24 460-962246/3	24.0	15.476826	8.0	1358416.0	0.644868	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

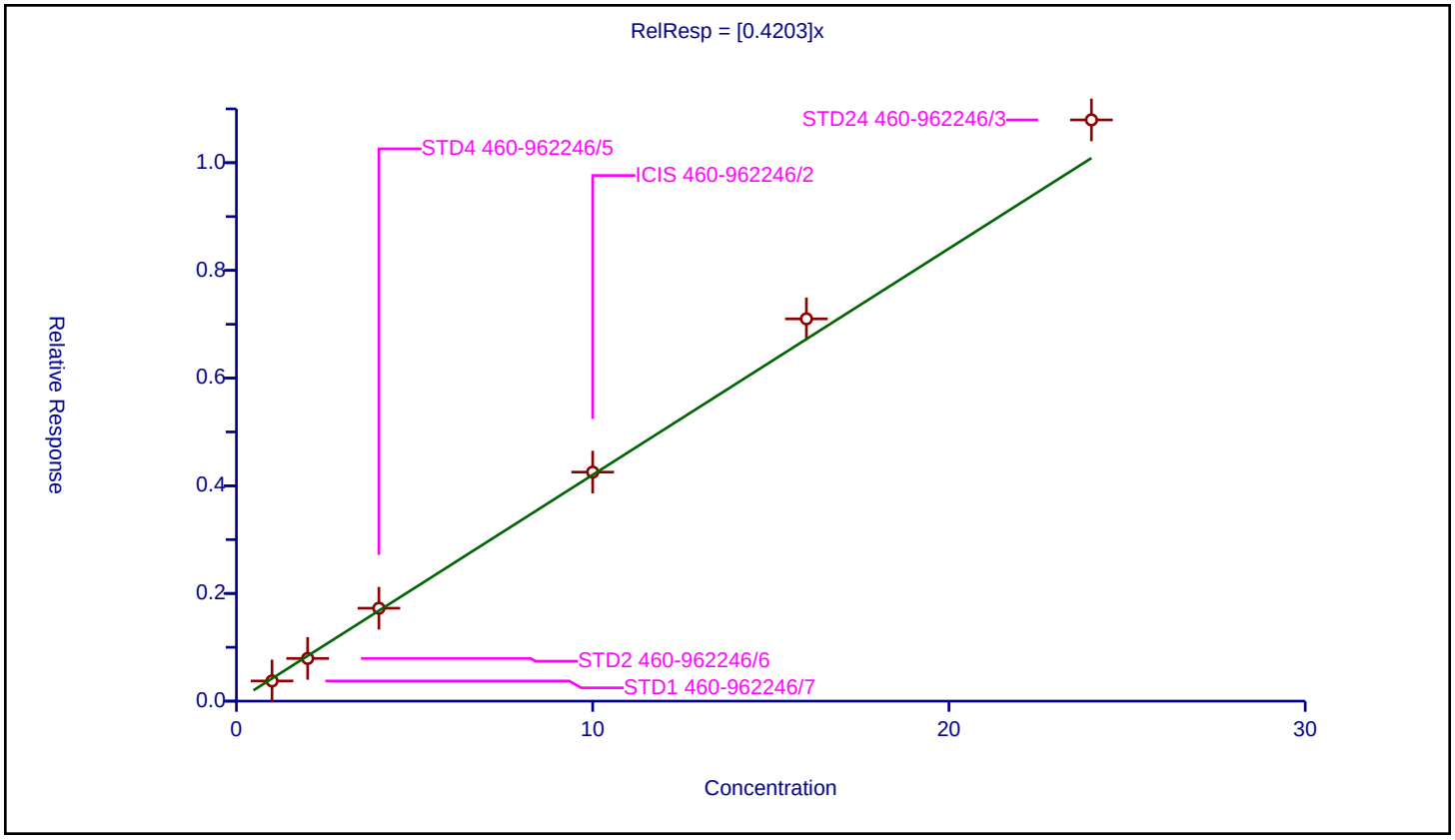
Curve Coefficients

Intercept:	0
Slope:	0.4203

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.374712	8.0	787507.0	0.374712	Y
2	STD2 460-962246/6	2.0	0.793102	8.0	773076.0	0.396551	Y
3	STD4 460-962246/5	4.0	1.725913	8.0	758977.0	0.431478	Y
4	ICIS 460-962246/2	10.0	4.253717	8.0	782399.0	0.425372	Y
5	STD16 460-962246/4	16.0	7.100501	8.0	757275.0	0.443781	Y
6	STD24 460-962246/3	24.0	10.795418	8.0	704427.0	0.449809	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

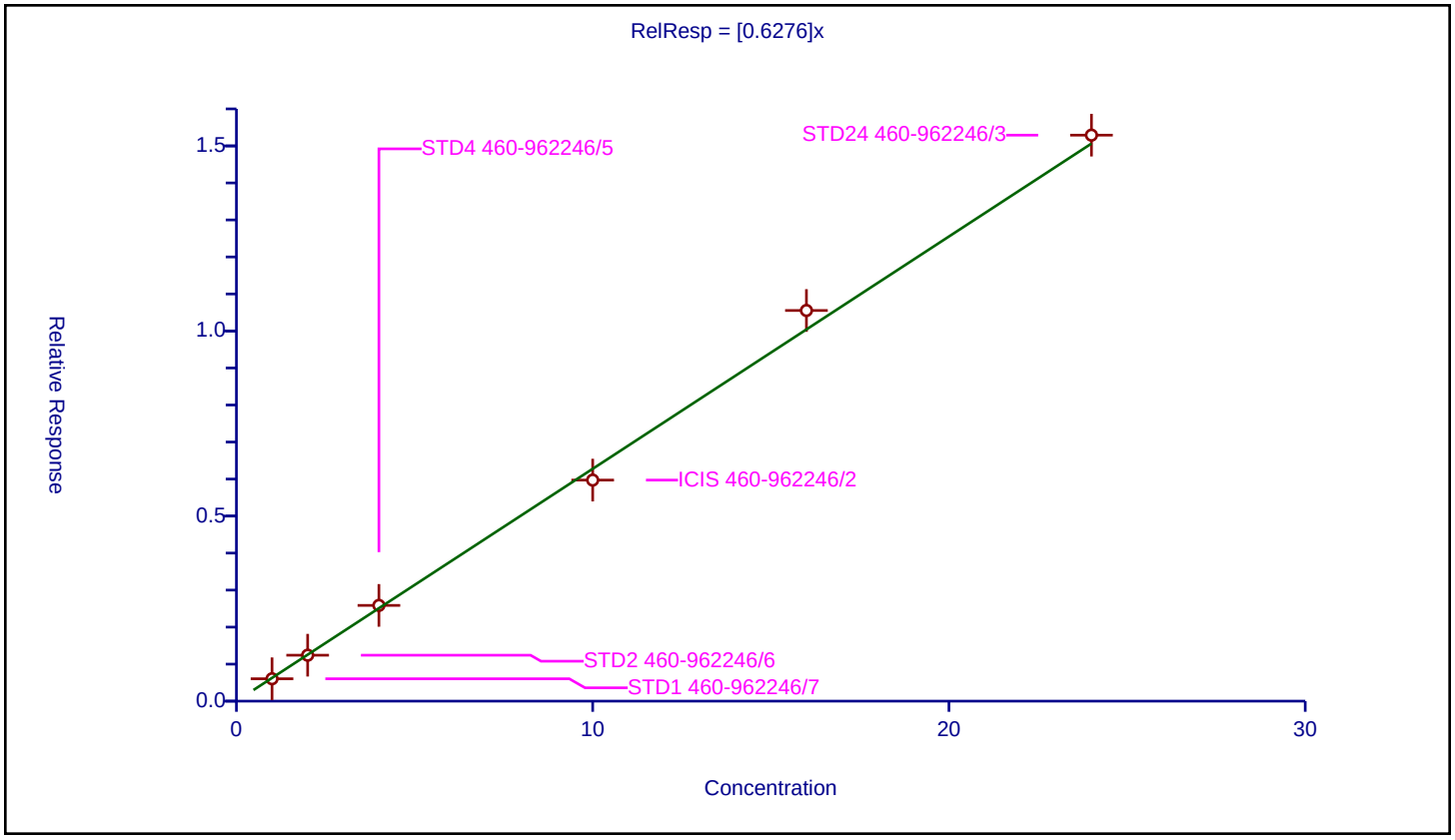
Curve Coefficients

Intercept:	0
Slope:	0.6276

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.604652	8.0	787507.0	0.604652	Y
2	STD2 460-962246/6	2.0	1.241016	8.0	773076.0	0.620508	Y
3	STD4 460-962246/5	4.0	2.586429	8.0	758977.0	0.646607	Y
4	ICIS 460-962246/2	10.0	5.971991	8.0	782399.0	0.597199	Y
5	STD16 460-962246/4	16.0	10.553683	8.0	757275.0	0.659605	Y
6	STD24 460-962246/3	24.0	15.290817	8.0	704427.0	0.637117	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

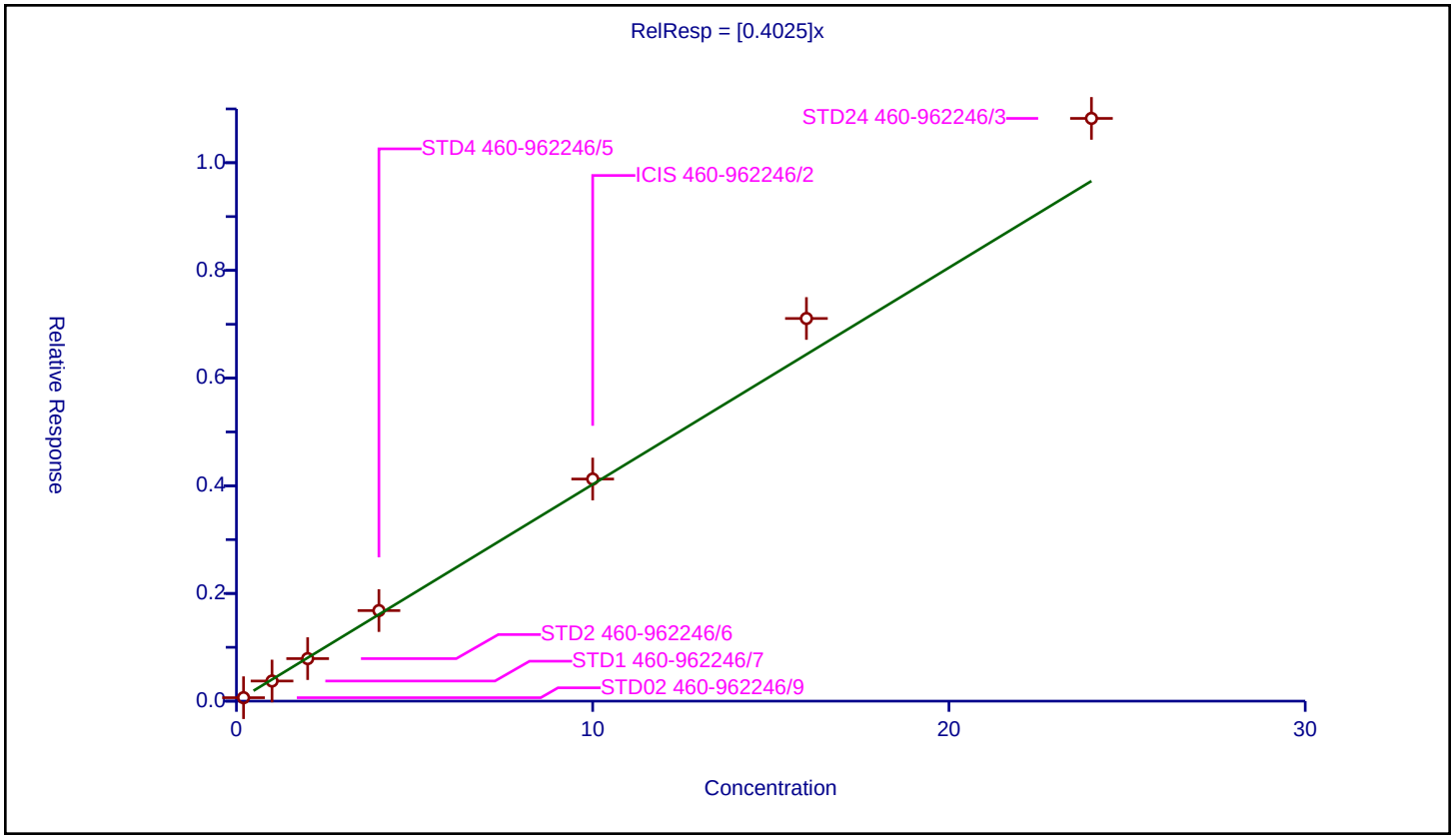
Curve Coefficients

Intercept:	0
Slope:	0.4025

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.064129	8.0	1479519.0	0.320645	Y
2	STD1 460-962246/7	1.0	0.373956	8.0	1443569.0	0.373956	Y
3	STD2 460-962246/6	2.0	0.789685	8.0	1432430.0	0.394842	Y
4	STD4 460-962246/5	4.0	1.681938	8.0	1416775.0	0.420485	Y
5	ICIS 460-962246/2	10.0	4.125398	8.0	1505123.0	0.41254	Y
6	STD16 460-962246/4	16.0	7.107155	8.0	1458206.0	0.444197	Y
7	STD24 460-962246/3	24.0	10.823388	8.0	1358416.0	0.450975	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

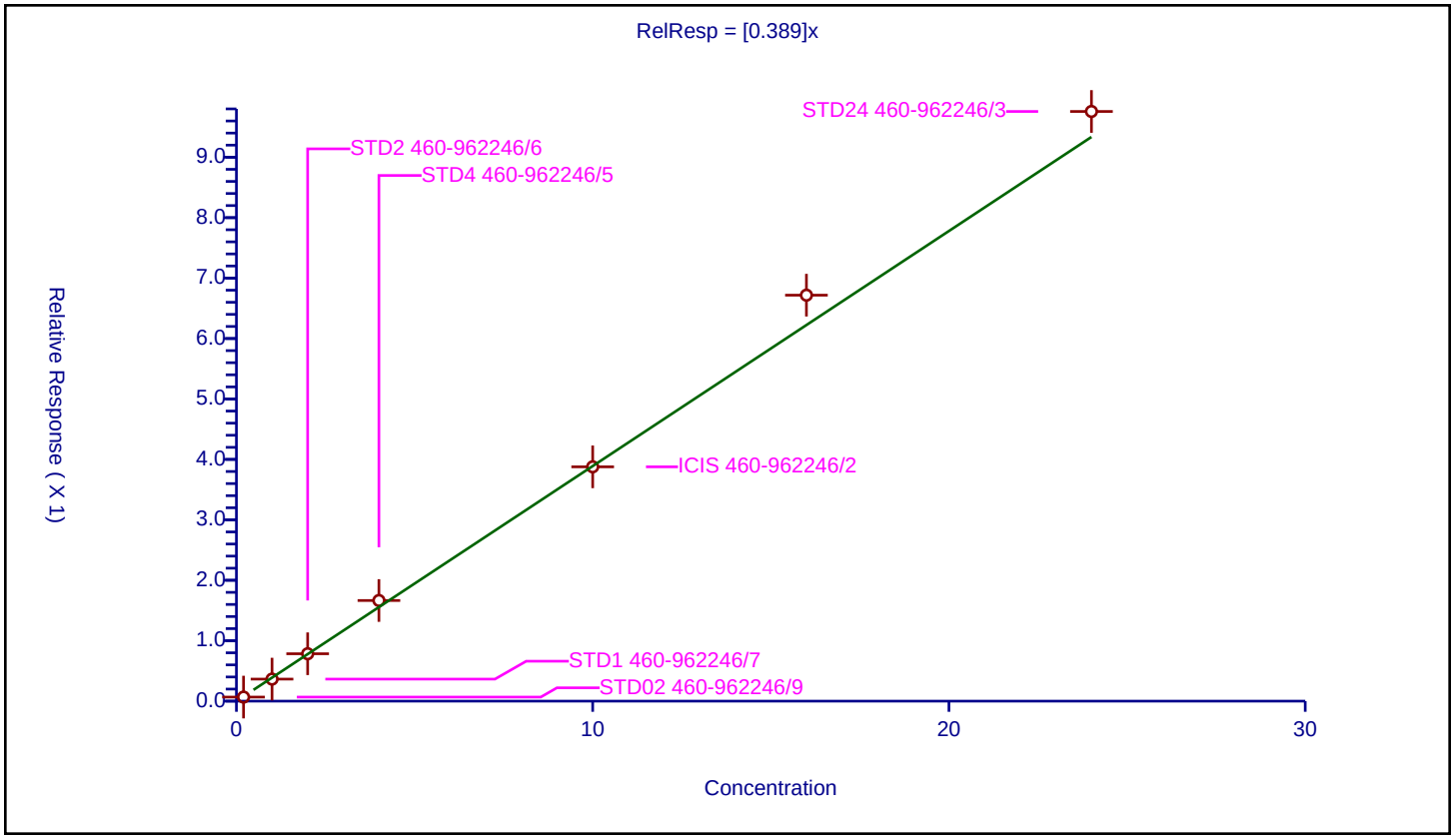
Curve Coefficients

Intercept:	0
Slope:	0.389

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.067074	8.0	797682.0	0.335372	Y
2	STD1 460-962246/7	1.0	0.364746	8.0	787507.0	0.364746	Y
3	STD2 460-962246/6	2.0	0.784378	8.0	773076.0	0.392189	Y
4	STD4 460-962246/5	4.0	1.665389	8.0	758977.0	0.416347	Y
5	ICIS 460-962246/2	10.0	3.877326	8.0	782399.0	0.387733	Y
6	STD16 460-962246/4	16.0	6.717686	8.0	757275.0	0.419855	Y
7	STD24 460-962246/3	24.0	9.757389	8.0	704427.0	0.406558	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

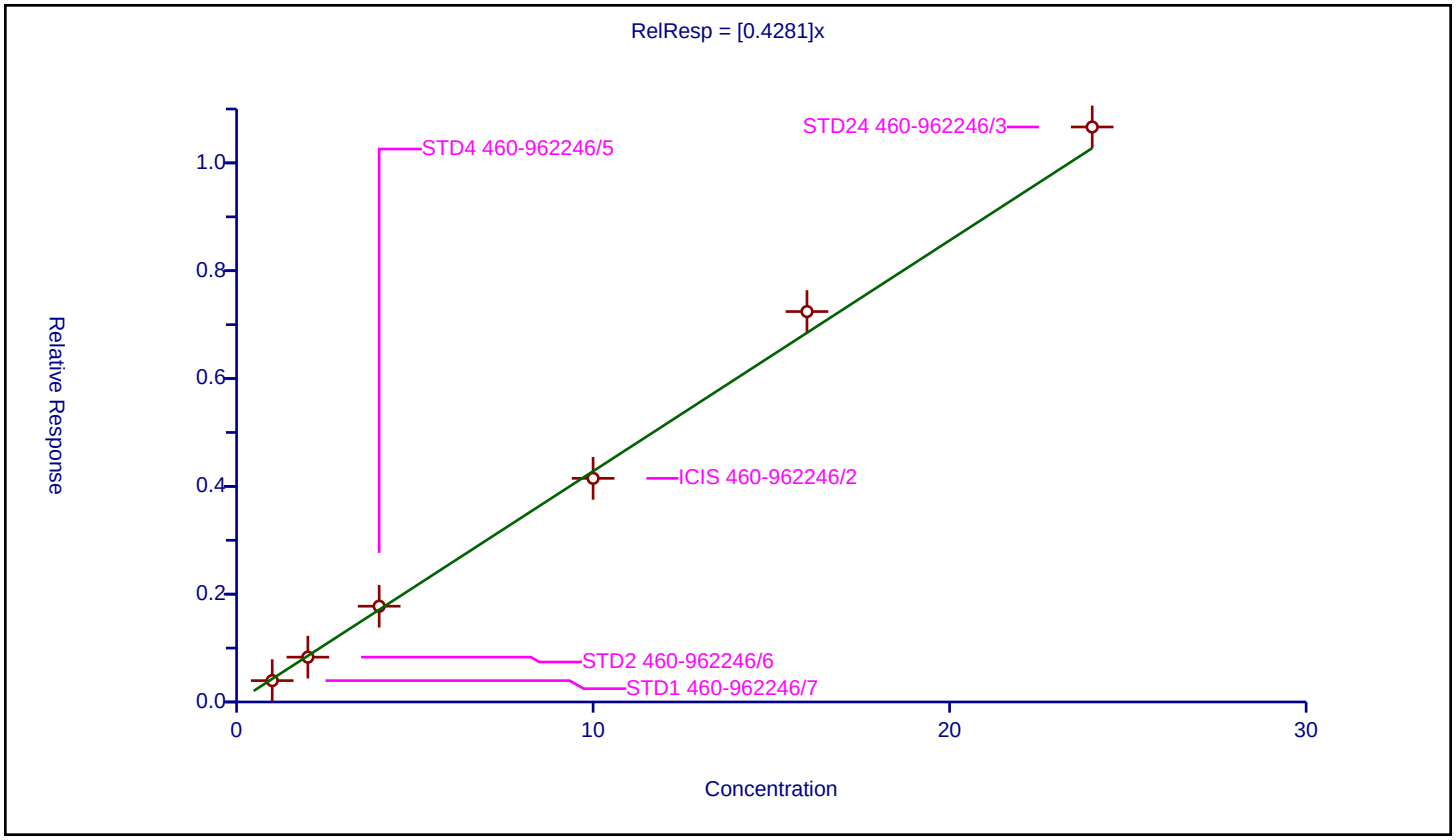
Curve Coefficients

Intercept:	0
Slope:	0.4281

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.396329	8.0	787507.0	0.396329	Y
2	STD2 460-962246/6	2.0	0.831732	8.0	773076.0	0.415866	Y
3	STD4 460-962246/5	4.0	1.776897	8.0	758977.0	0.444224	Y
4	ICIS 460-962246/2	10.0	4.148697	8.0	782399.0	0.41487	Y
5	STD16 460-962246/4	16.0	7.243128	8.0	757275.0	0.452696	Y
6	STD24 460-962246/3	24.0	10.666769	8.0	704427.0	0.444449	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

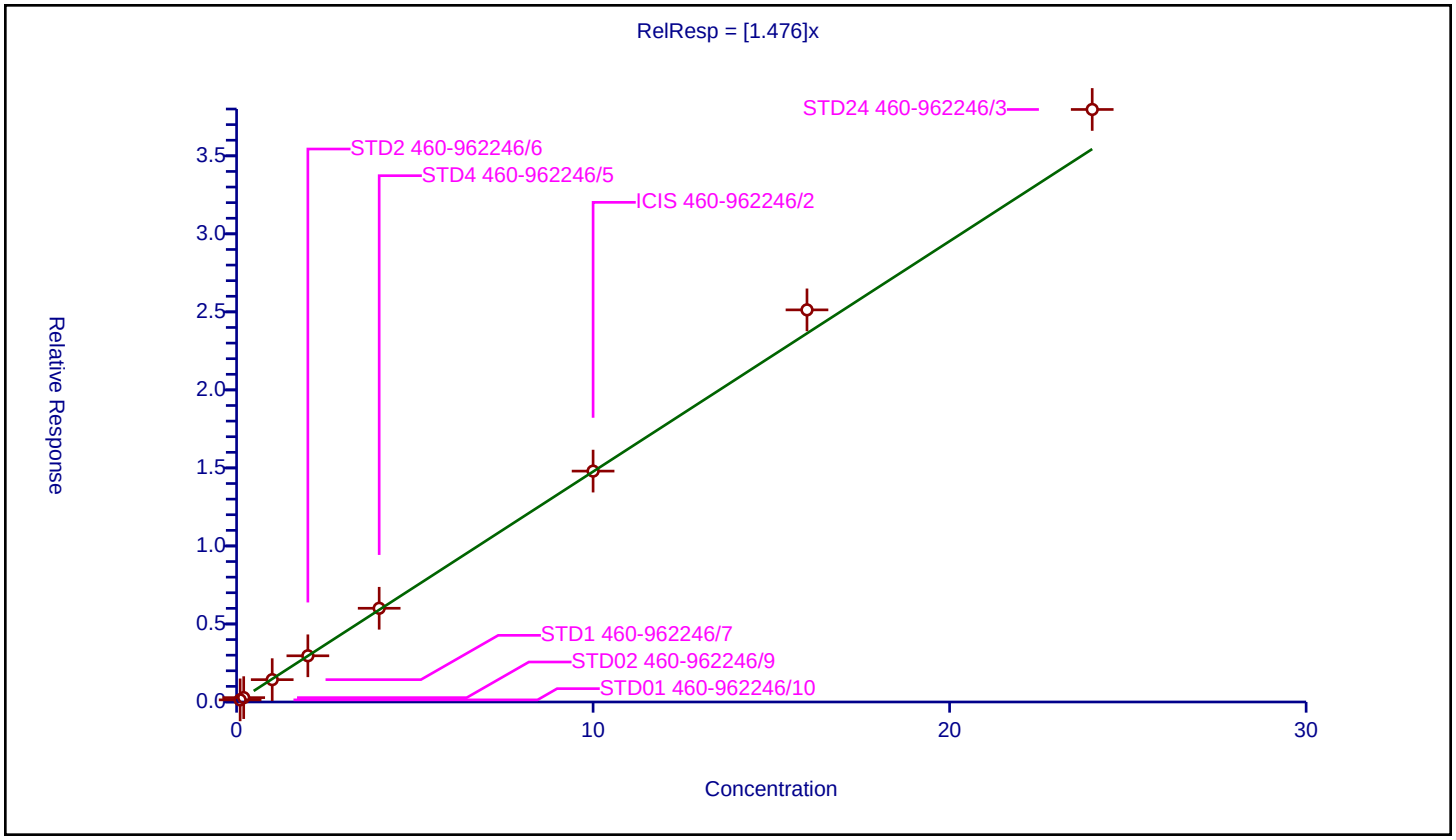
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.136678	8.0	723686.0	1.366781	Y
2	STD02 460-962246/9	0.2	0.279941	8.0	797682.0	1.399706	Y
3	STD1 460-962246/7	1.0	1.431037	8.0	787507.0	1.431037	Y
4	STD2 460-962246/6	2.0	2.96122	8.0	773076.0	1.48061	Y
5	STD4 460-962246/5	4.0	6.005231	8.0	758977.0	1.501308	Y
6	ICIS 460-962246/2	10.0	14.796328	8.0	782399.0	1.479633	Y
7	STD16 460-962246/4	16.0	25.128795	8.0	757275.0	1.57055	Y
8	STD24 460-962246/3	24.0	37.97106	8.0	704427.0	1.582128	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

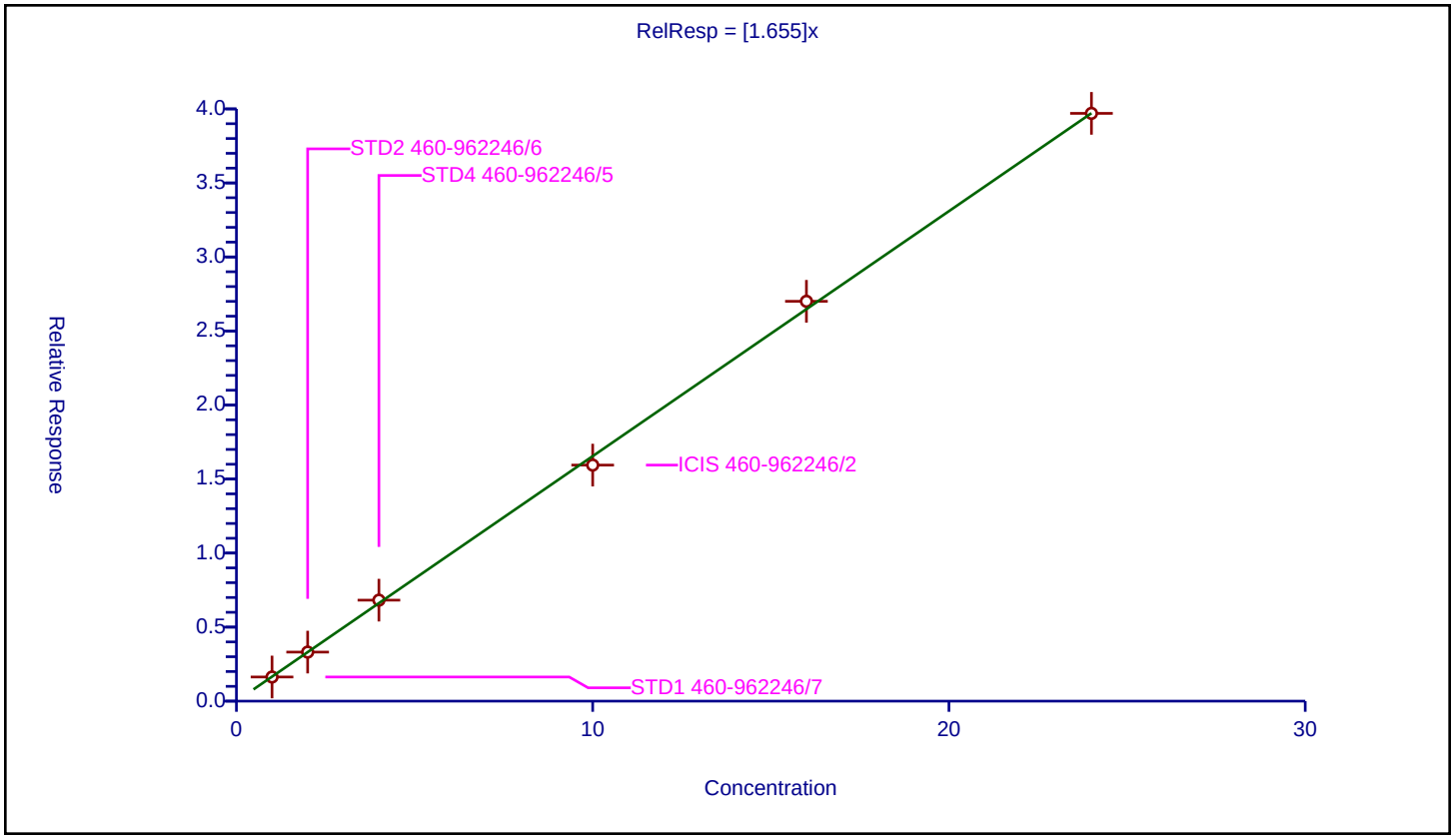
Curve Coefficients

Intercept:	0
Slope:	1.655

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.630533	8.0	787507.0	1.630533	Y
2	STD2 460-962246/6	2.0	3.31185	8.0	773076.0	1.655925	Y
3	STD4 460-962246/5	4.0	6.820244	8.0	758977.0	1.705061	Y
4	ICIS 460-962246/2	10.0	15.942842	8.0	782399.0	1.594284	Y
5	STD16 460-962246/4	16.0	27.005989	8.0	757275.0	1.687874	Y
6	STD24 460-962246/3	24.0	39.697422	8.0	704427.0	1.654059	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

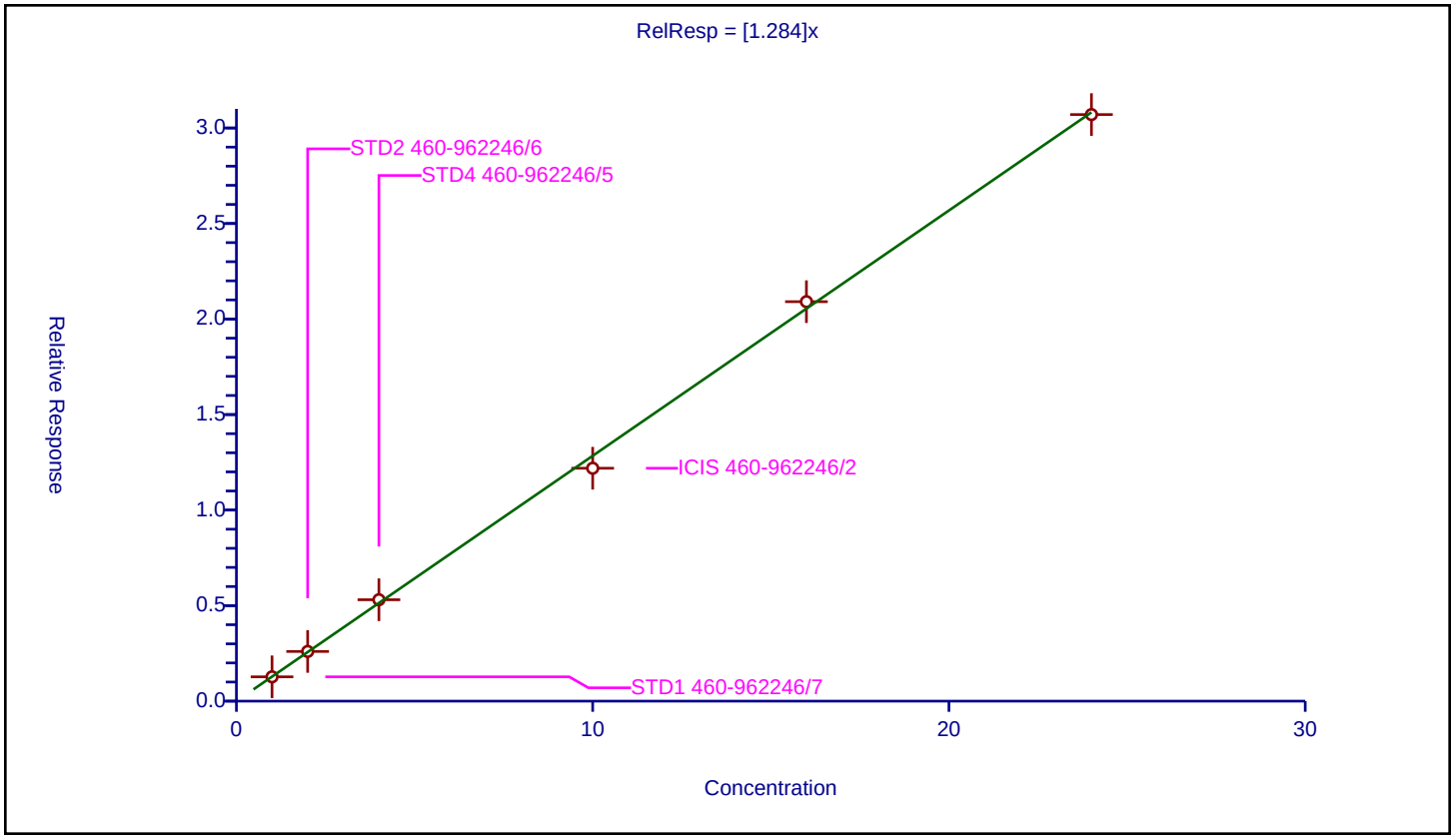
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.272329	8.0	787507.0	1.272329	Y
2	STD2 460-962246/6	2.0	2.601048	8.0	773076.0	1.300524	Y
3	STD4 460-962246/5	4.0	5.307386	8.0	758977.0	1.326847	Y
4	ICIS 460-962246/2	10.0	12.190752	8.0	782399.0	1.219075	Y
5	STD16 460-962246/4	16.0	20.909519	8.0	757275.0	1.306845	Y
6	STD24 460-962246/3	24.0	30.702662	8.0	704427.0	1.279278	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

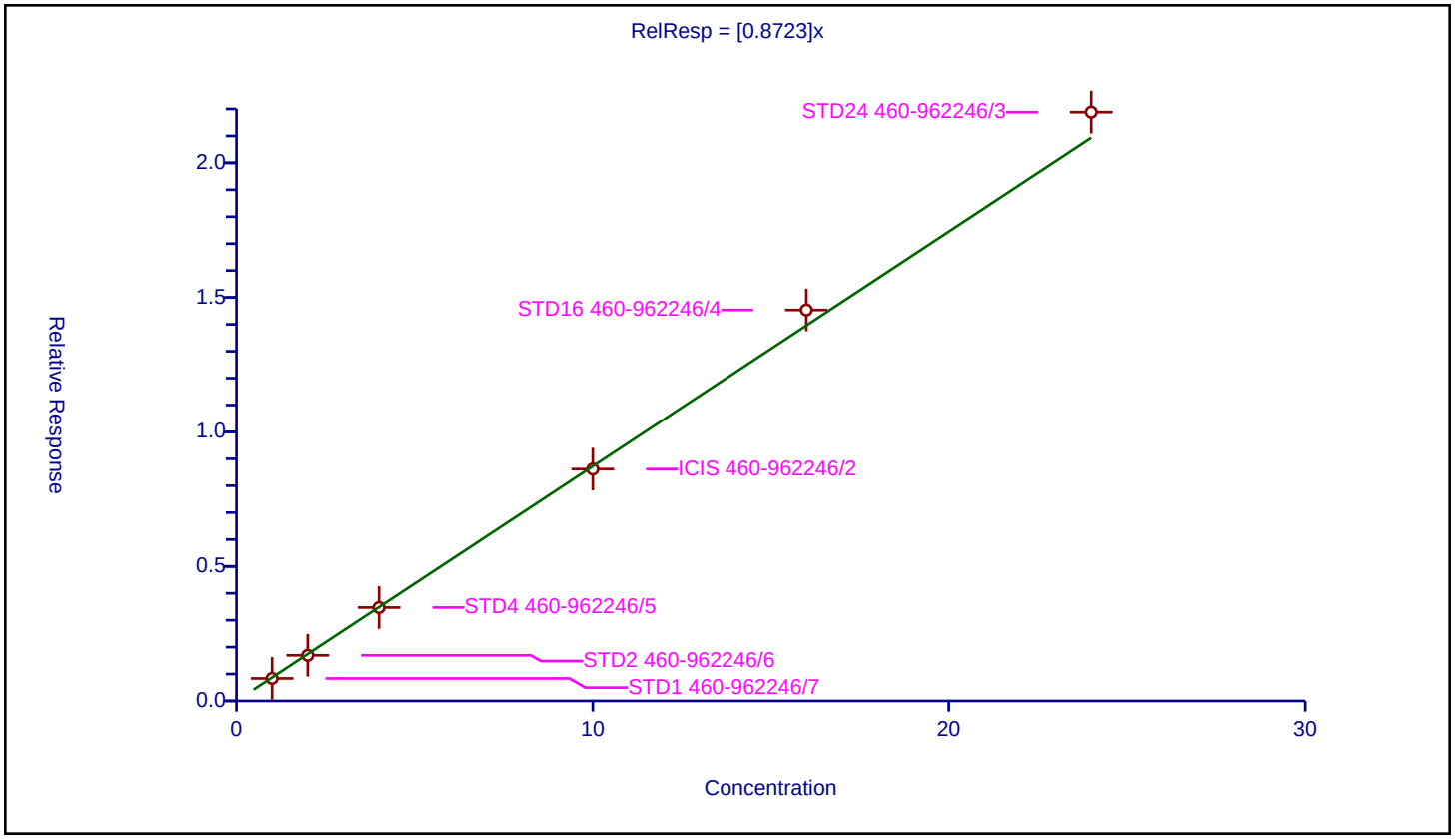
Curve Coefficients

Intercept:	0
Slope:	0.8723

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.836249	8.0	787507.0	0.836249	Y
2	STD2 460-962246/6	2.0	1.695254	8.0	773076.0	0.847627	Y
3	STD4 460-962246/5	4.0	3.471863	8.0	758977.0	0.867966	Y
4	ICIS 460-962246/2	10.0	8.618232	8.0	782399.0	0.861823	Y
5	STD16 460-962246/4	16.0	14.534905	8.0	757275.0	0.908432	Y
6	STD24 460-962246/3	24.0	21.881069	8.0	704427.0	0.911711	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

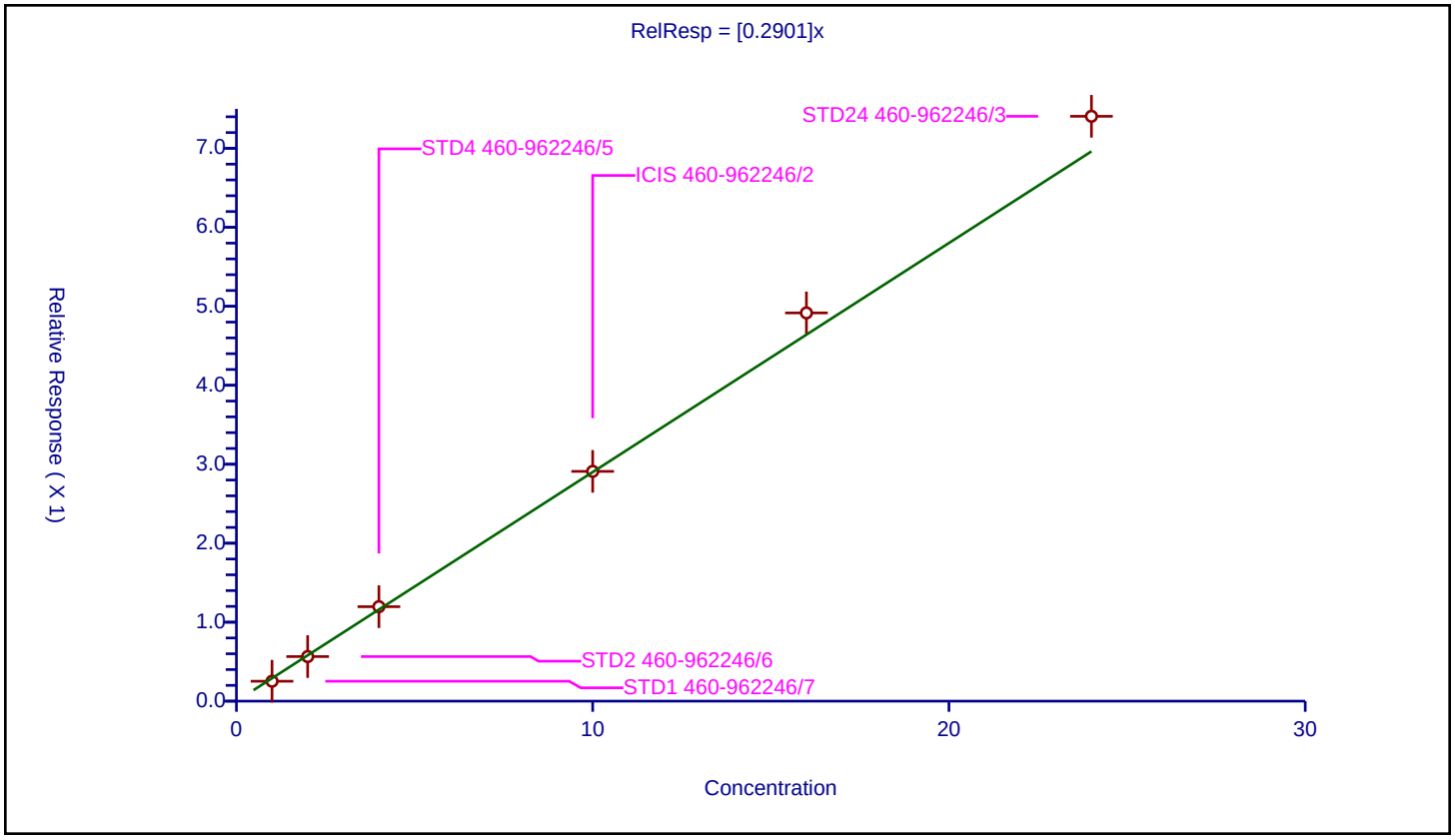
Curve Coefficients

Intercept:	0
Slope:	0.2901

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.25227	8.0	787507.0	0.25227	Y
2	STD2 460-962246/6	2.0	0.564477	8.0	773076.0	0.282239	Y
3	STD4 460-962246/5	4.0	1.1962	8.0	758977.0	0.29905	Y
4	ICIS 460-962246/2	10.0	2.909738	8.0	782399.0	0.290974	Y
5	STD16 460-962246/4	16.0	4.91627	8.0	757275.0	0.307267	Y
6	STD24 460-962246/3	24.0	7.406303	8.0	704427.0	0.308596	Y



Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

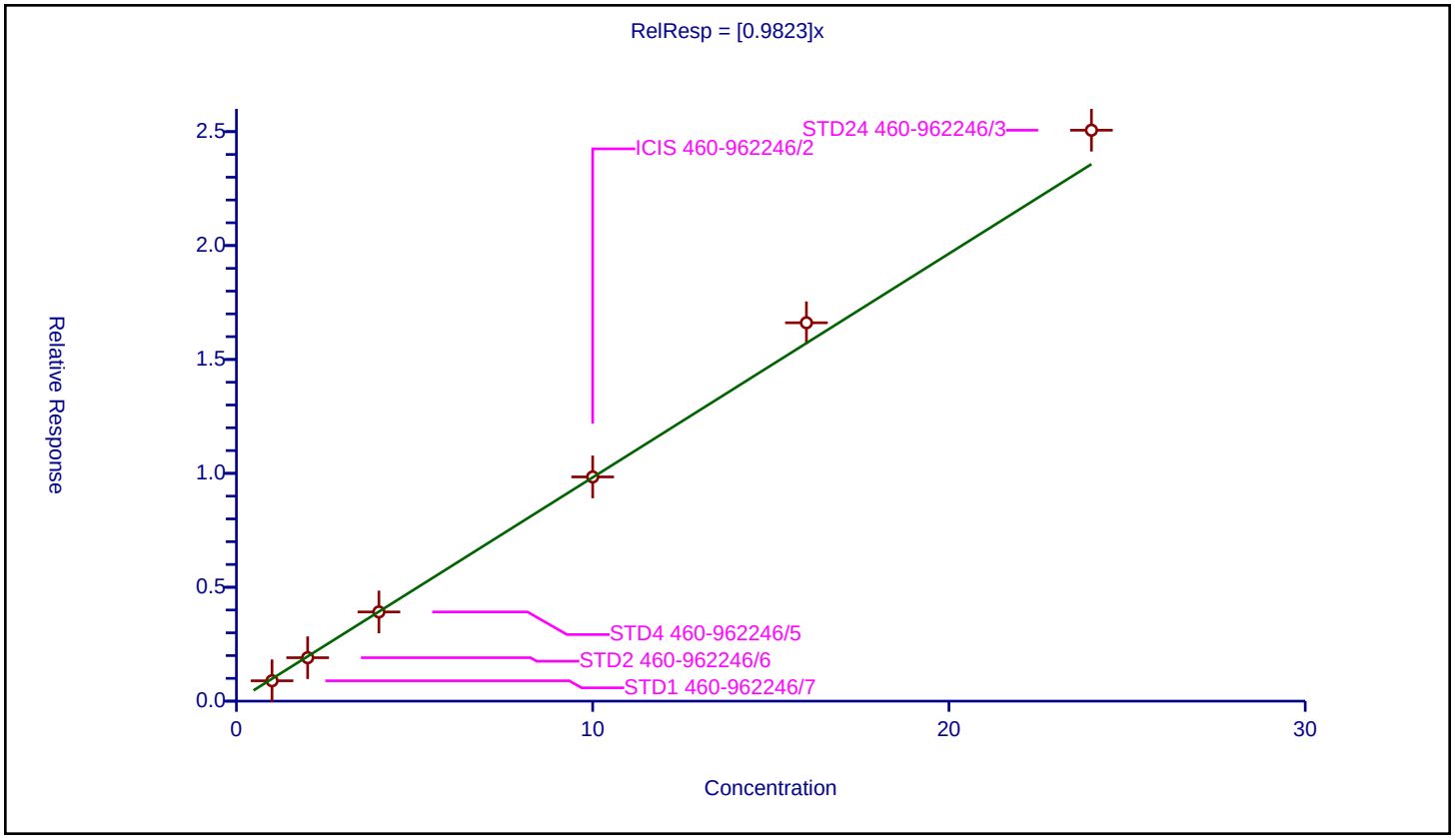
Curve Coefficients

Intercept:	0
Slope:	0.9823

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.894235	8.0	787507.0	0.894235	Y
2	STD2 460-962246/6	2.0	1.906762	8.0	773076.0	0.953381	Y
3	STD4 460-962246/5	4.0	3.916556	8.0	758977.0	0.979139	Y
4	ICIS 460-962246/2	10.0	9.842916	8.0	782399.0	0.984292	Y
5	STD16 460-962246/4	16.0	16.610463	8.0	757275.0	1.038154	Y
6	STD24 460-962246/3	24.0	25.0639	8.0	704427.0	1.044329	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

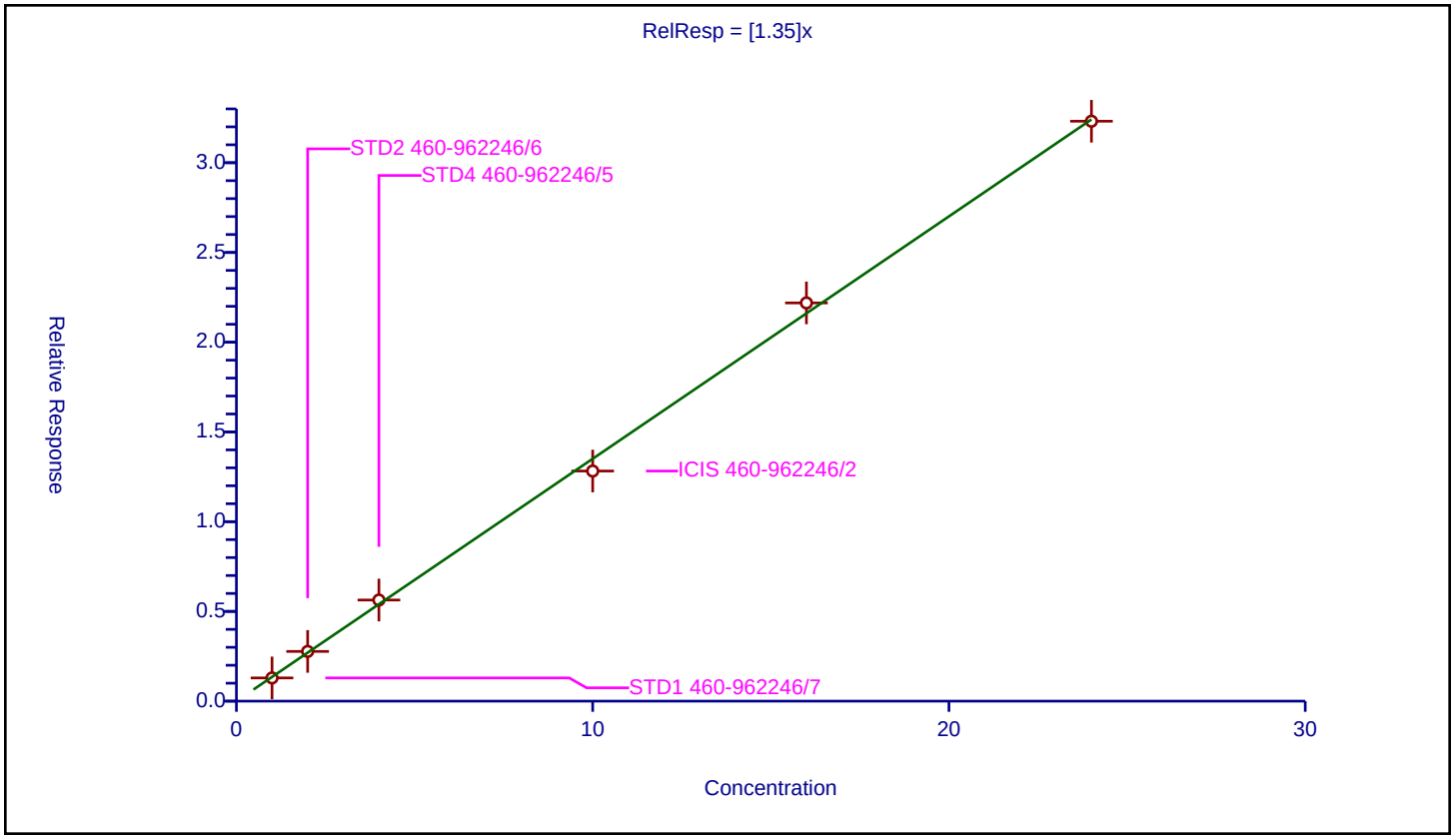
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.293916	8.0	787507.0	1.293916	Y
2	STD2 460-962246/6	2.0	2.770398	8.0	773076.0	1.385199	Y
3	STD4 460-962246/5	4.0	5.634089	8.0	758977.0	1.408522	Y
4	ICIS 460-962246/2	10.0	12.82108	8.0	782399.0	1.282108	Y
5	STD16 460-962246/4	16.0	22.188875	8.0	757275.0	1.386805	Y
6	STD24 460-962246/3	24.0	32.313015	8.0	704427.0	1.346376	Y



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Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

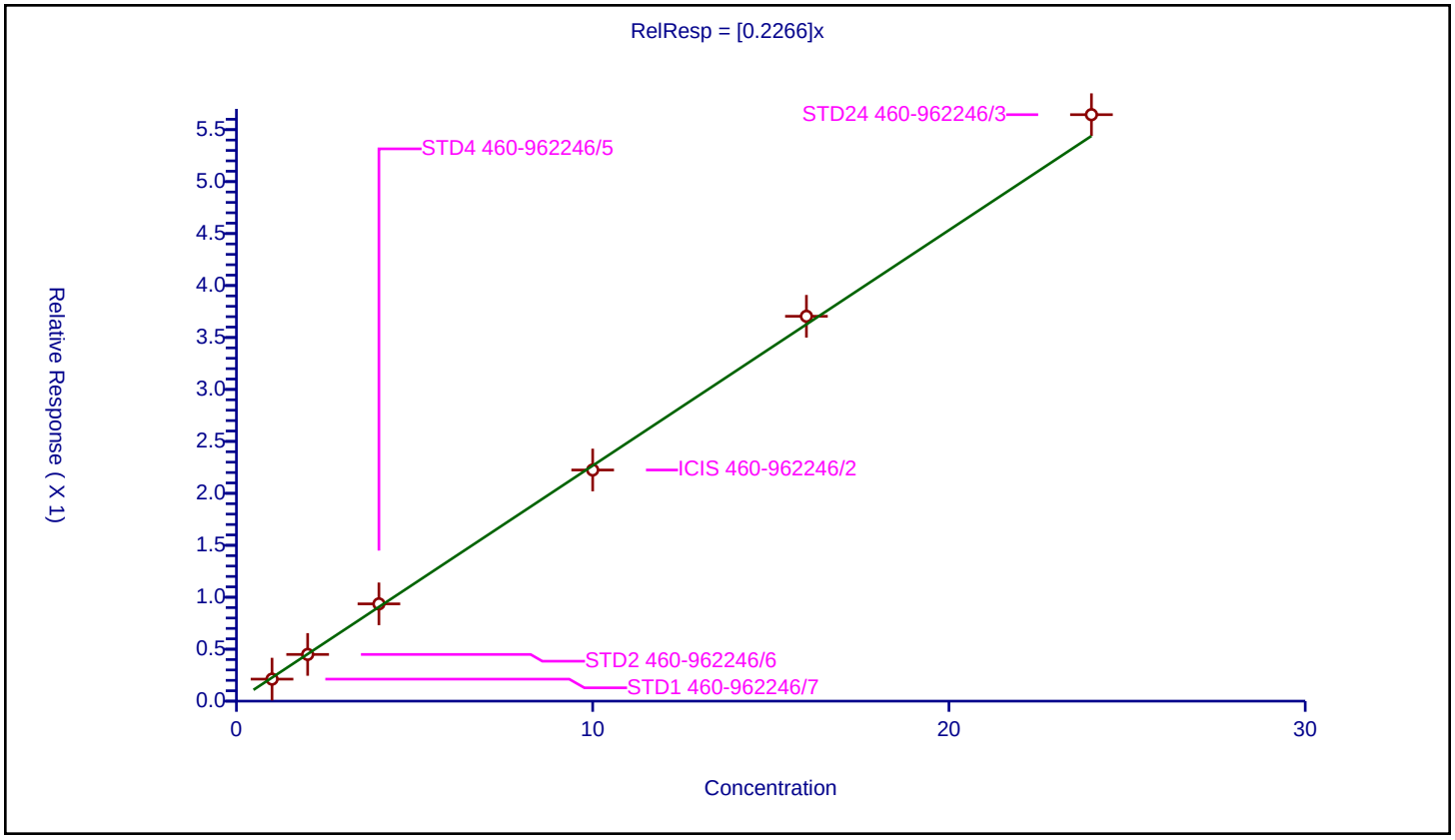
Curve Coefficients

Intercept:	0
Slope:	0.2266

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.211891	8.0	1443569.0	0.211891	Y
2	STD2 460-962246/6	2.0	0.449463	8.0	1432430.0	0.224731	Y
3	STD4 460-962246/5	4.0	0.936183	8.0	1416775.0	0.234046	Y
4	ICIS 460-962246/2	10.0	2.224621	8.0	1505123.0	0.222462	Y
5	STD16 460-962246/4	16.0	3.70413	8.0	1458206.0	0.231508	Y
6	STD24 460-962246/3	24.0	5.644451	8.0	1358416.0	0.235185	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

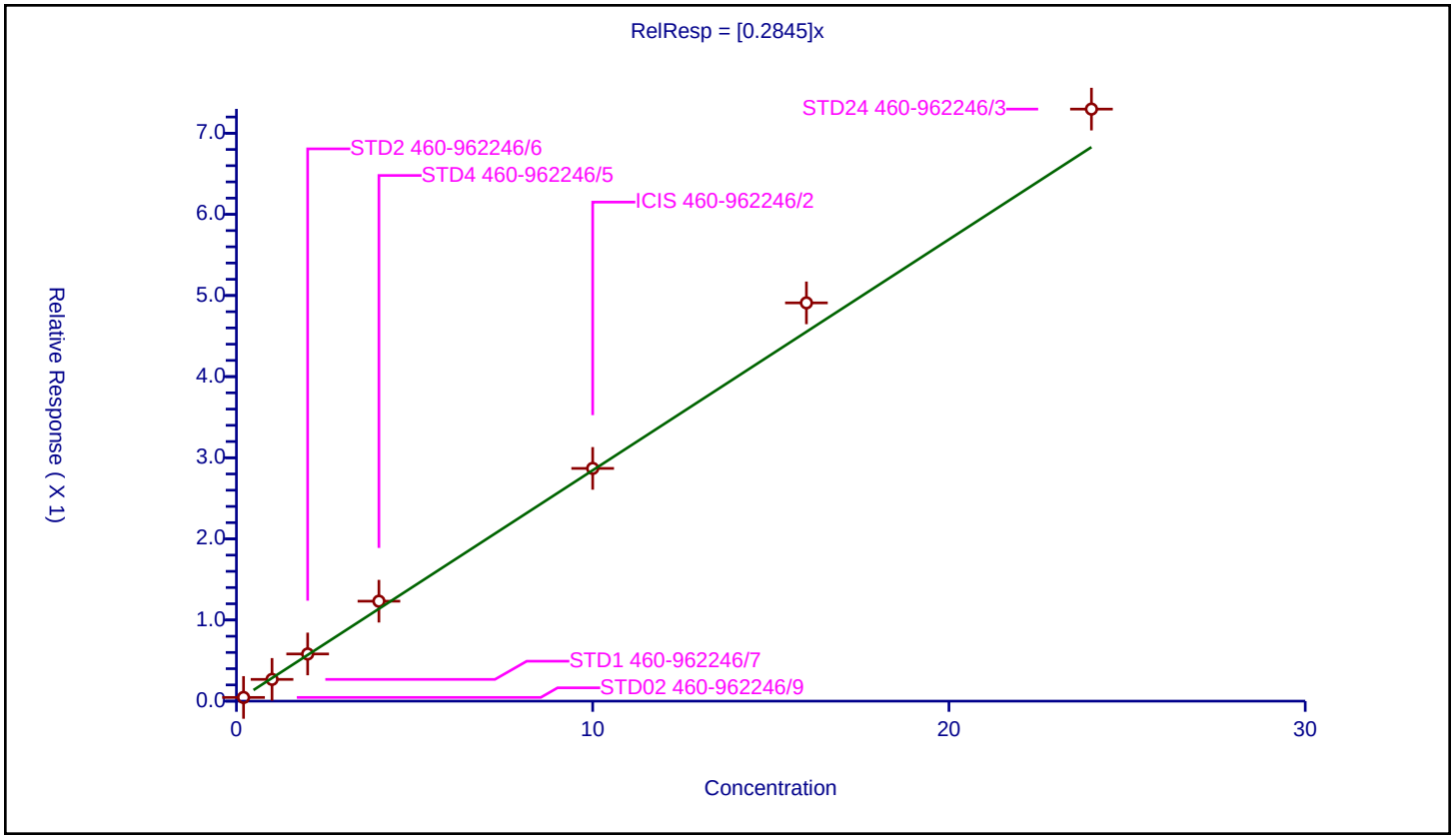
Curve Coefficients

Intercept:	0
Slope:	0.2845

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.045452	8.0	797682.0	0.227258	Y
2	STD1 460-962246/7	1.0	0.268087	8.0	787507.0	0.268087	Y
3	STD2 460-962246/6	2.0	0.581511	8.0	773076.0	0.290755	Y
4	STD4 460-962246/5	4.0	1.231816	8.0	758977.0	0.307954	Y
5	ICIS 460-962246/2	10.0	2.868603	8.0	782399.0	0.28686	Y
6	STD16 460-962246/4	16.0	4.908917	8.0	757275.0	0.306807	Y
7	STD24 460-962246/3	24.0	7.297415	8.0	704427.0	0.304059	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

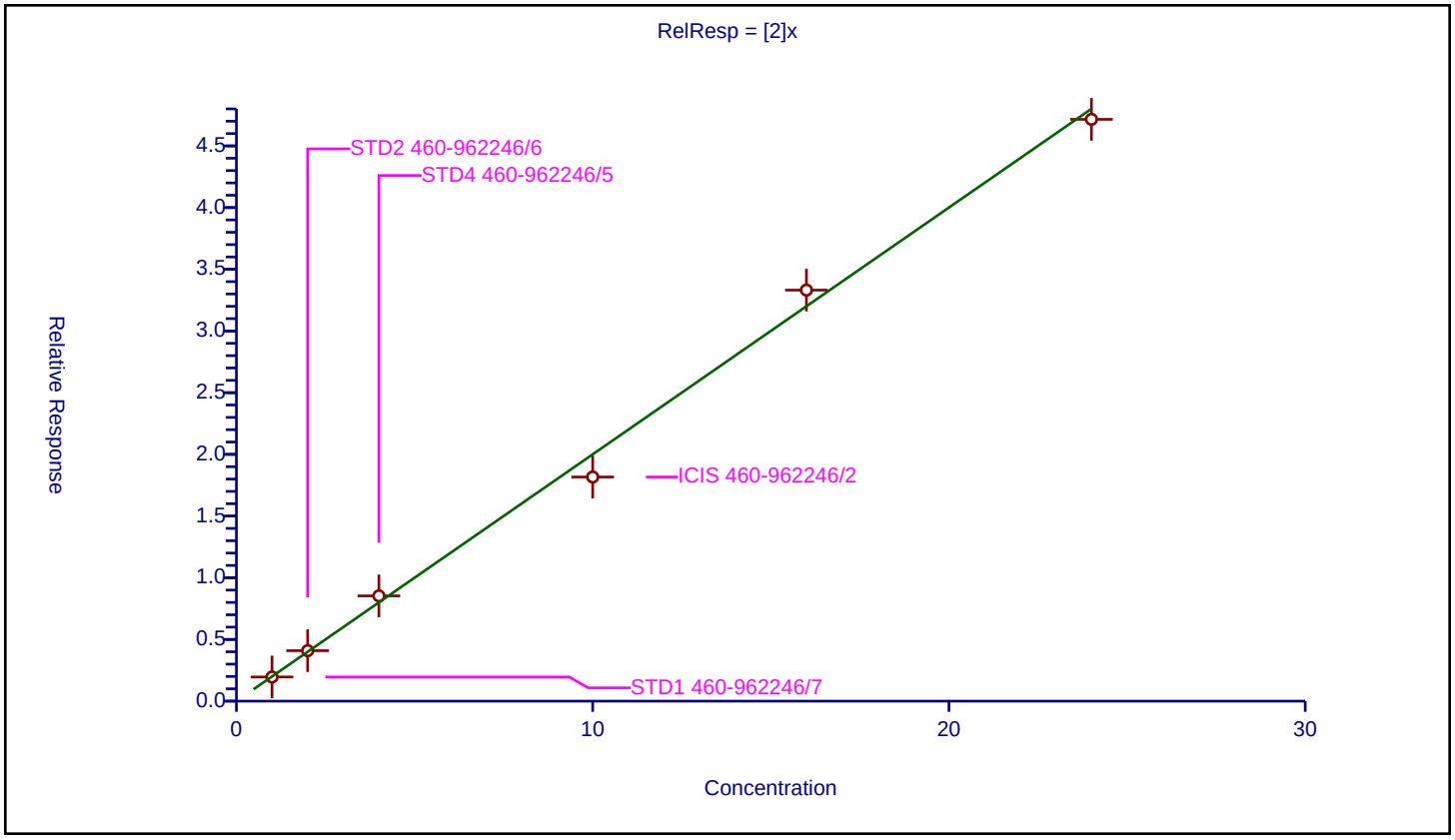
Curve Coefficients

Intercept:	0
Slope:	2

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.958667	8.0	787507.0	1.958667	Y
2	STD2 460-962246/6	2.0	4.091996	8.0	773076.0	2.045998	Y
3	STD4 460-962246/5	4.0	8.5316	8.0	758977.0	2.1329	Y
4	ICIS 460-962246/2	10.0	18.16671	8.0	782399.0	1.816671	Y
5	STD16 460-962246/4	16.0	33.313731	8.0	757275.0	2.082108	Y
6	STD24 460-962246/3	24.0	47.152151	8.0	704427.0	1.964673	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

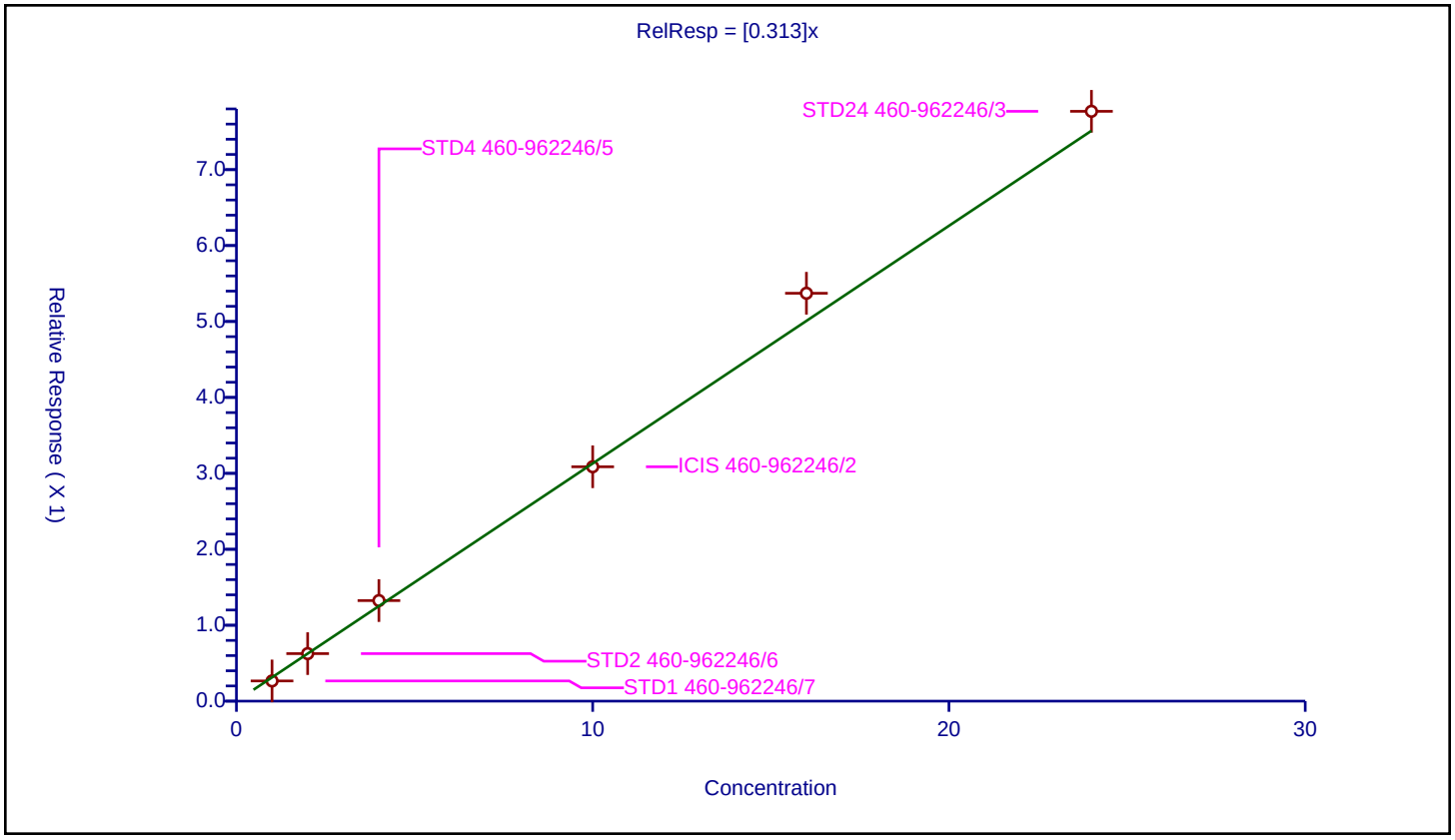
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.265933	8.0	787507.0	0.265933	Y
2	STD2 460-962246/6	2.0	0.625832	8.0	773076.0	0.312916	Y
3	STD4 460-962246/5	4.0	1.324372	8.0	758977.0	0.331093	Y
4	ICIS 460-962246/2	10.0	3.086548	8.0	782399.0	0.308655	Y
5	STD16 460-962246/4	16.0	5.37203	8.0	757275.0	0.335752	Y
6	STD24 460-962246/3	24.0	7.768084	8.0	704427.0	0.32367	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

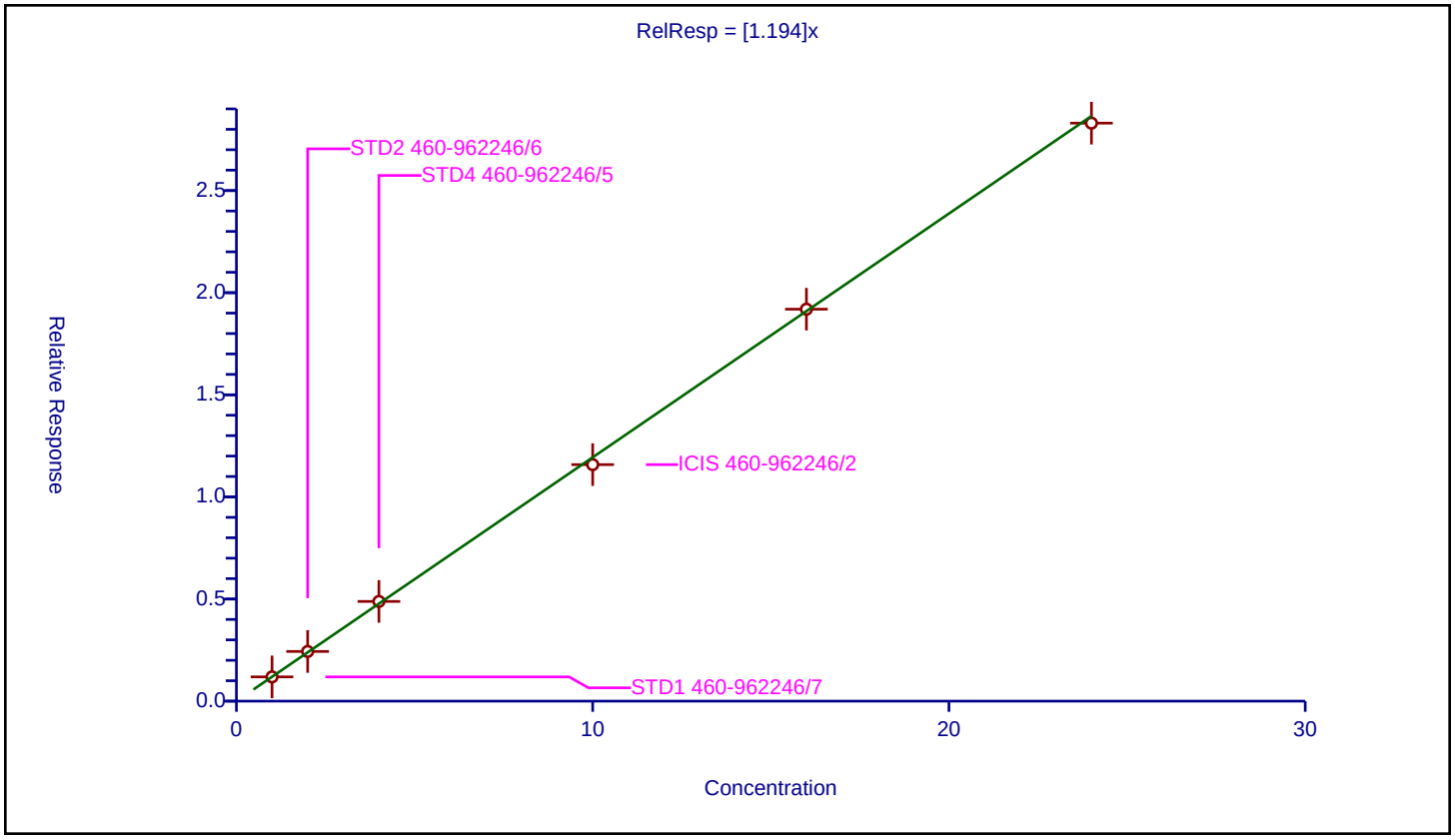
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.188063	8.0	787507.0	1.188063	Y
2	STD2 460-962246/6	2.0	2.432889	8.0	773076.0	1.216444	Y
3	STD4 460-962246/5	4.0	4.88253	8.0	758977.0	1.220633	Y
4	ICIS 460-962246/2	10.0	11.581988	8.0	782399.0	1.158199	Y
5	STD16 460-962246/4	16.0	19.192246	8.0	757275.0	1.199515	Y
6	STD24 460-962246/3	24.0	28.30163	8.0	704427.0	1.179235	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

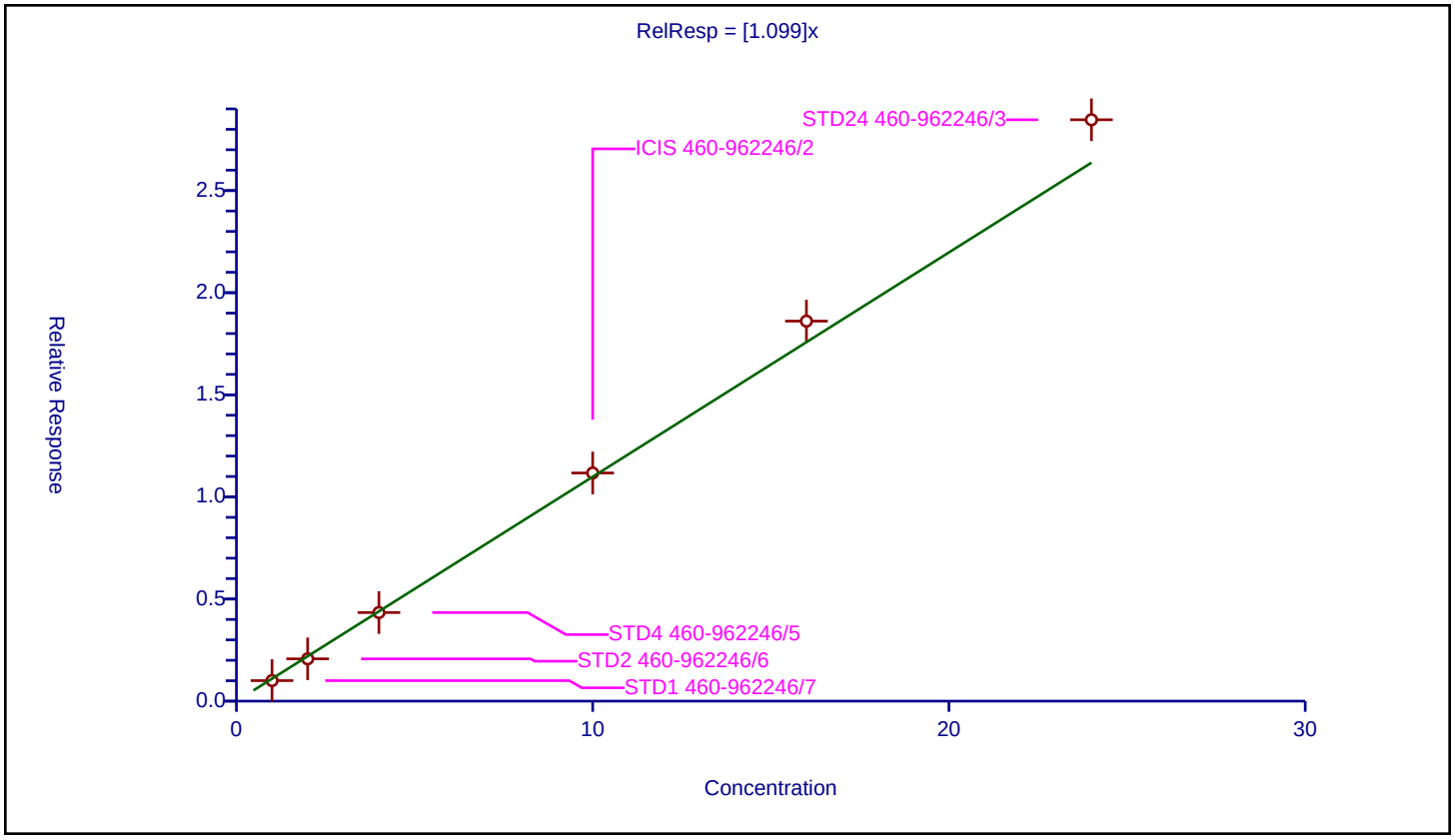
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.005055	8.0	787507.0	1.005055	Y
2	STD2 460-962246/6	2.0	2.071434	8.0	773076.0	1.035717	Y
3	STD4 460-962246/5	4.0	4.337681	8.0	758977.0	1.08442	Y
4	ICIS 460-962246/2	10.0	11.171947	8.0	782399.0	1.117195	Y
5	STD16 460-962246/4	16.0	18.607814	8.0	757275.0	1.162988	Y
6	STD24 460-962246/3	24.0	28.46754	8.0	704427.0	1.186148	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

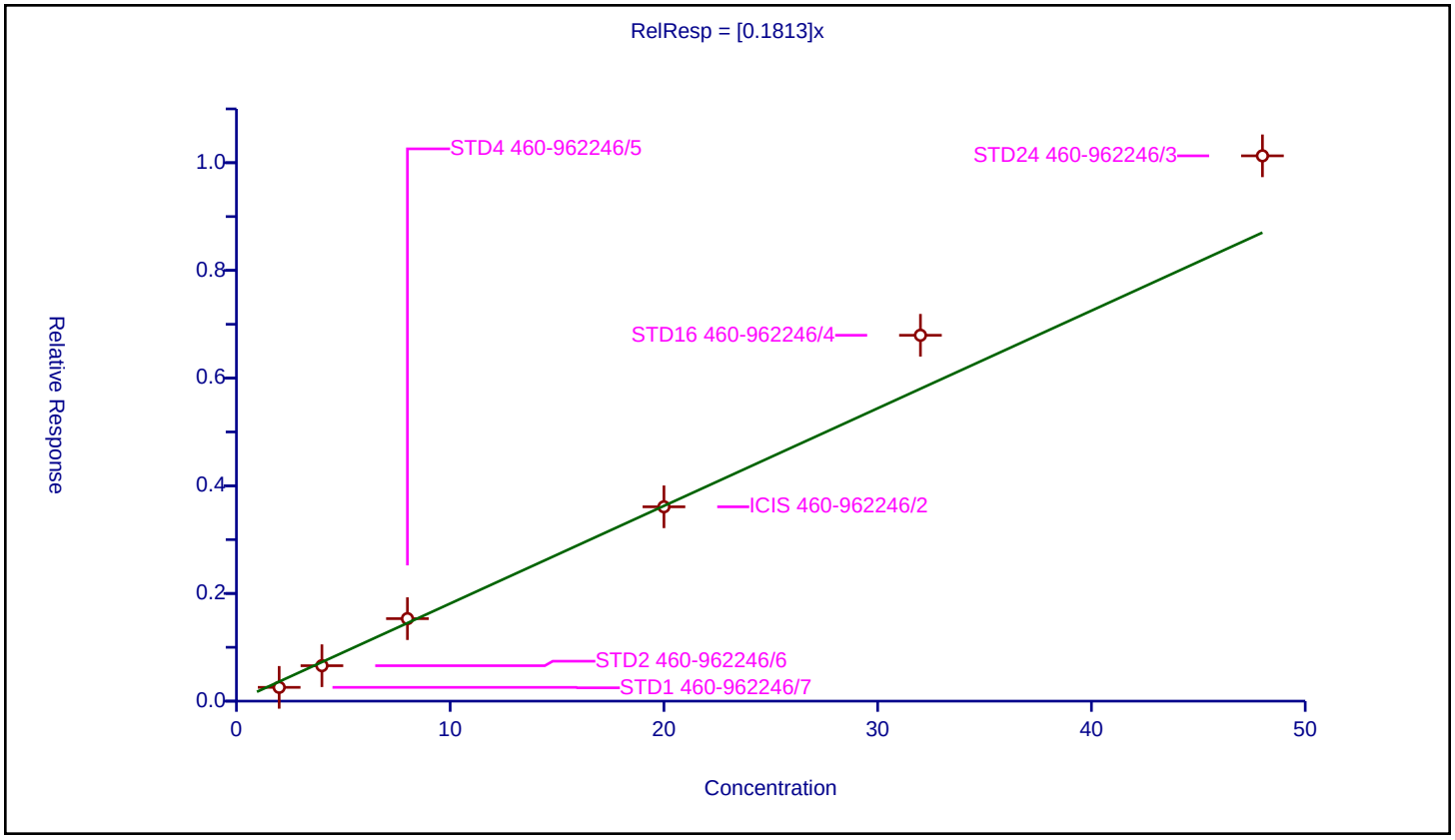
Curve Coefficients

Intercept:	0
Slope:	0.1813

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.255856	8.0	787507.0	0.127928	Y
2	STD2 460-962246/6	4.0	0.658295	8.0	773076.0	0.164574	Y
3	STD4 460-962246/5	8.0	1.532062	8.0	758977.0	0.191508	Y
4	ICIS 460-962246/2	20.0	3.609647	8.0	782399.0	0.180482	Y
5	STD16 460-962246/4	32.0	6.795629	8.0	757275.0	0.212363	Y
6	STD24 460-962246/3	48.0	10.128152	8.0	704427.0	0.211003	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

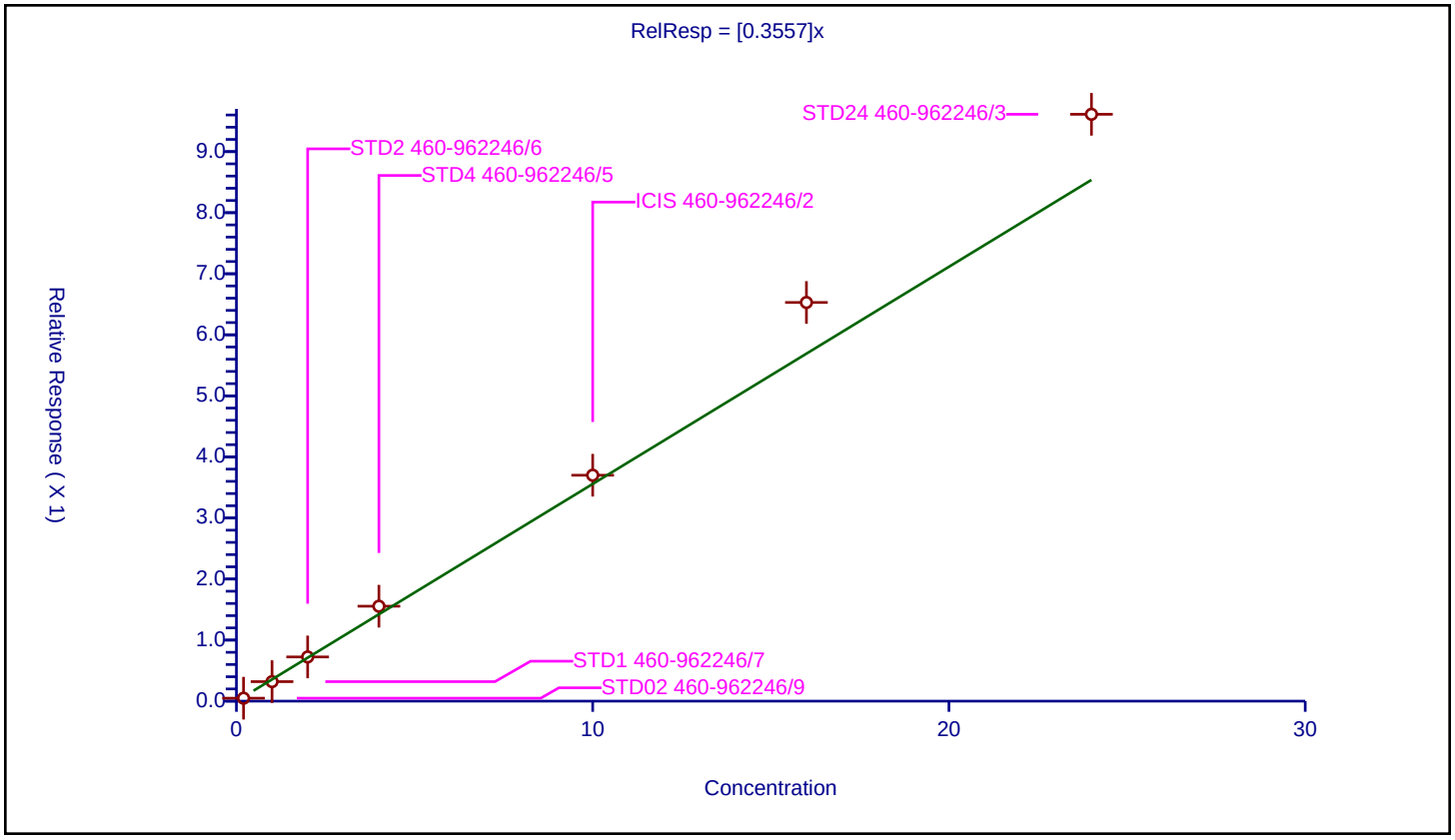
Curve Coefficients

Intercept:	0
Slope:	0.3557

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.04824	8.0	797682.0	0.241199	Y
2	STD1 460-962246/7	1.0	0.319499	8.0	787507.0	0.319499	Y
3	STD2 460-962246/6	2.0	0.723727	8.0	773076.0	0.361864	Y
4	STD4 460-962246/5	4.0	1.554872	8.0	758977.0	0.388718	Y
5	ICIS 460-962246/2	10.0	3.700148	8.0	782399.0	0.370015	Y
6	STD16 460-962246/4	16.0	6.529739	8.0	757275.0	0.408109	Y
7	STD24 460-962246/3	24.0	9.611591	8.0	704427.0	0.400483	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

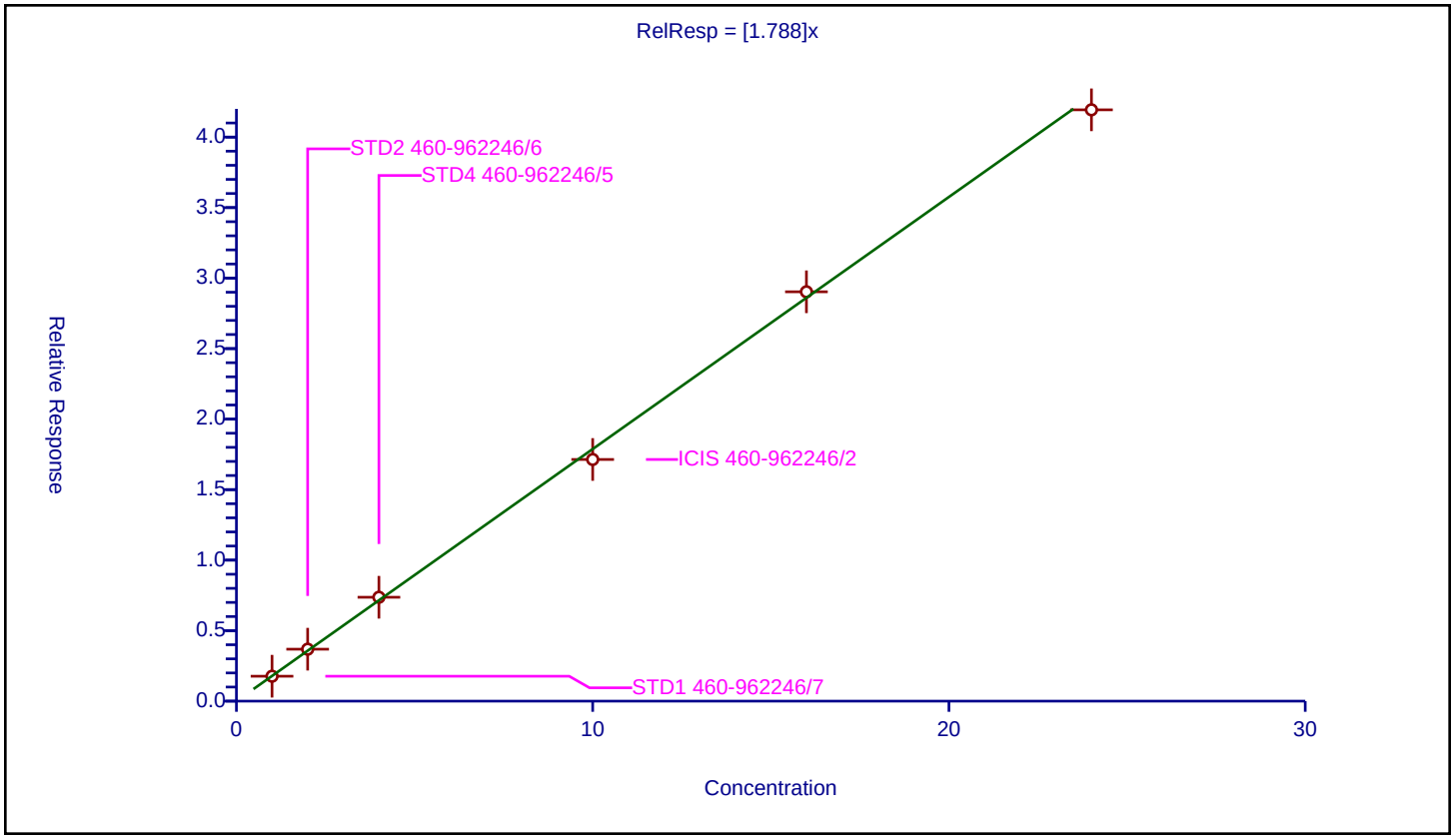
Curve Coefficients

Intercept:	0
Slope:	1.788

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.767431	8.0	787507.0	1.767431	Y
2	STD2 460-962246/6	2.0	3.683943	8.0	773076.0	1.841972	Y
3	STD4 460-962246/5	4.0	7.36641	8.0	758977.0	1.841603	Y
4	ICIS 460-962246/2	10.0	17.137087	8.0	782399.0	1.713709	Y
5	STD16 460-962246/4	16.0	29.030416	8.0	757275.0	1.814401	Y
6	STD24 460-962246/3	24.0	41.934713	8.0	704427.0	1.74728	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

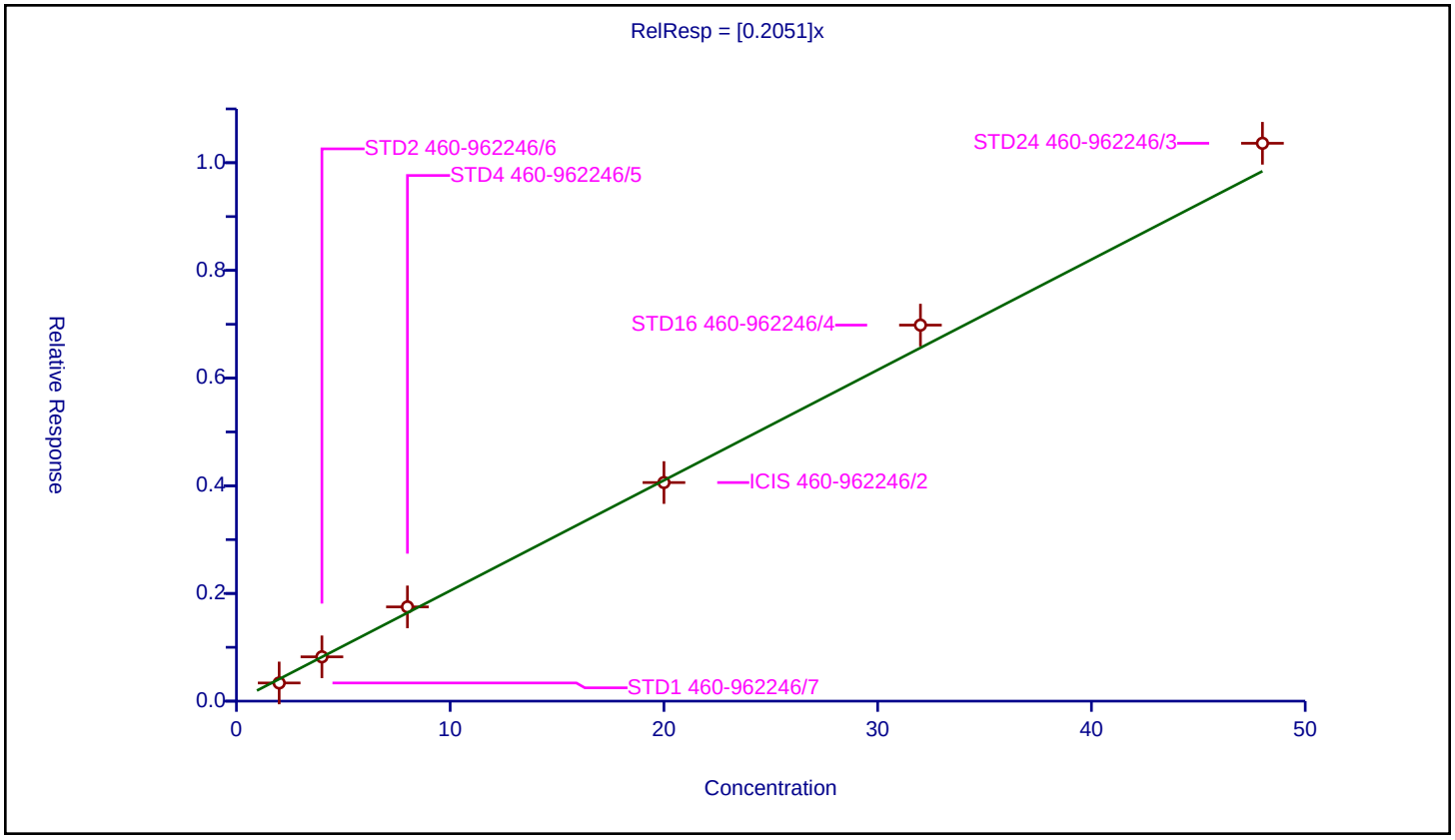
Curve Coefficients

Intercept:	0
Slope:	0.2051

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.337531	8.0	787507.0	0.168765	Y
2	STD2 460-962246/6	4.0	0.822688	8.0	773076.0	0.205672	Y
3	STD4 460-962246/5	8.0	1.750282	8.0	758977.0	0.218785	Y
4	ICIS 460-962246/2	20.0	4.060026	8.0	782399.0	0.203001	Y
5	STD16 460-962246/4	32.0	6.984274	8.0	757275.0	0.218259	Y
6	STD24 460-962246/3	48.0	10.361477	8.0	704427.0	0.215864	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

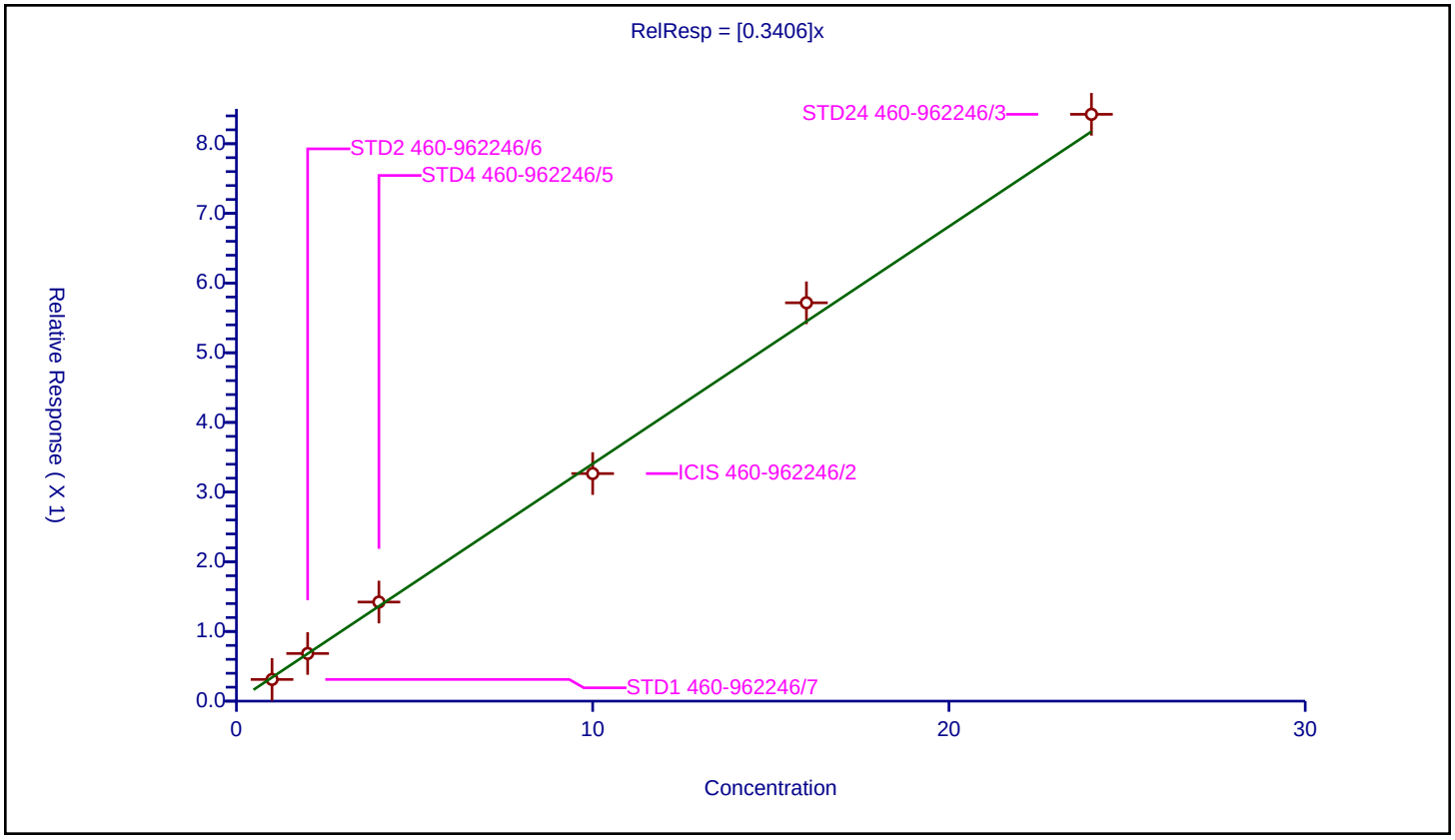
Curve Coefficients

Intercept:	0
Slope:	0.3406

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.311179	8.0	787507.0	0.311179	Y
2	STD2 460-962246/6	2.0	0.684228	8.0	773076.0	0.342114	Y
3	STD4 460-962246/5	4.0	1.422177	8.0	758977.0	0.355544	Y
4	ICIS 460-962246/2	10.0	3.266047	8.0	782399.0	0.326605	Y
5	STD16 460-962246/4	16.0	5.717215	8.0	757275.0	0.357326	Y
6	STD24 460-962246/3	24.0	8.422233	8.0	704427.0	0.350926	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

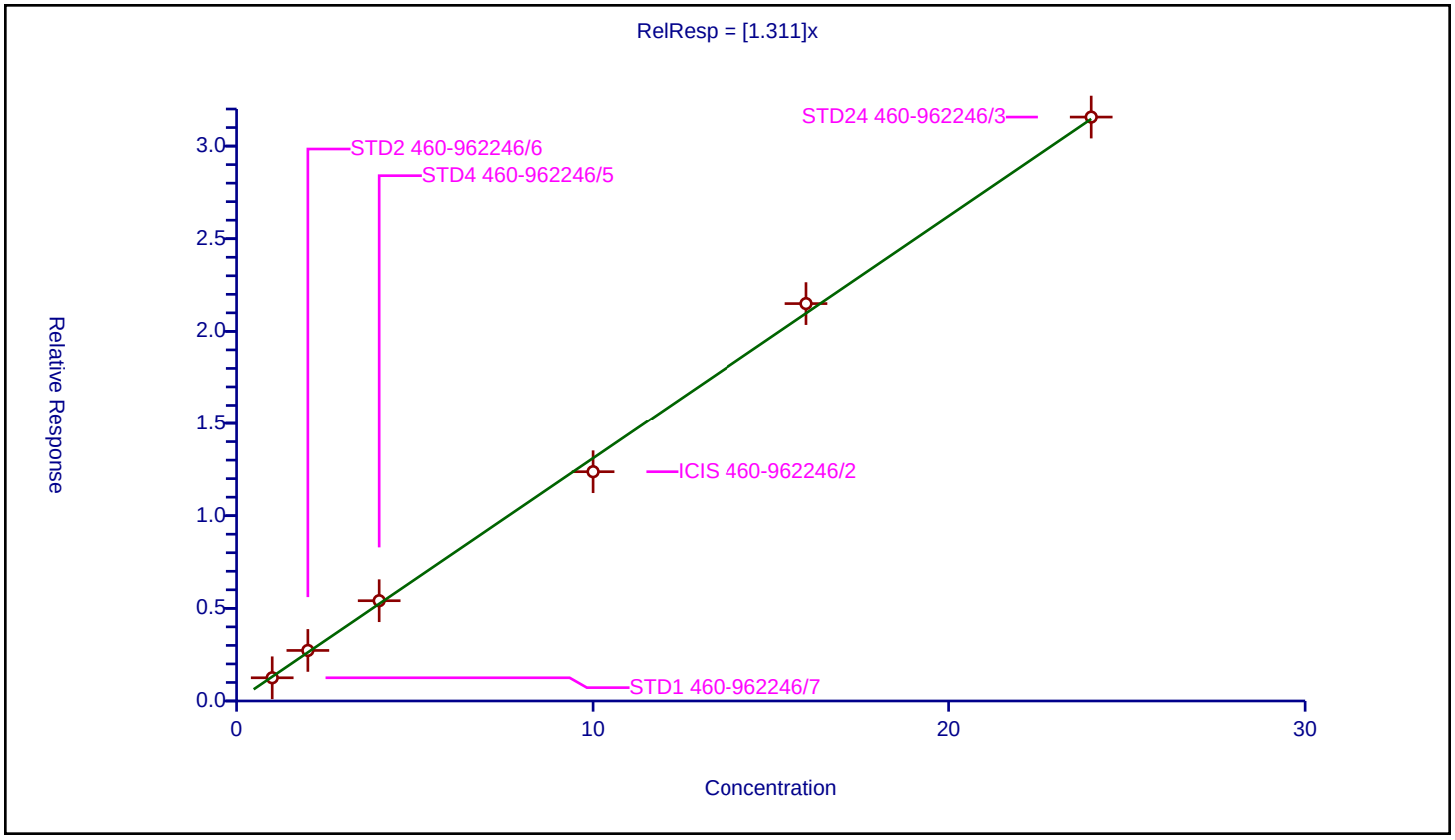
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.252967	8.0	787507.0	1.252967	Y
2	STD2 460-962246/6	2.0	2.727504	8.0	773076.0	1.363752	Y
3	STD4 460-962246/5	4.0	5.412211	8.0	758977.0	1.353053	Y
4	ICIS 460-962246/2	10.0	12.373257	8.0	782399.0	1.237326	Y
5	STD16 460-962246/4	16.0	21.499033	8.0	757275.0	1.34369	Y
6	STD24 460-962246/3	24.0	31.56523	8.0	704427.0	1.315218	Y



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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

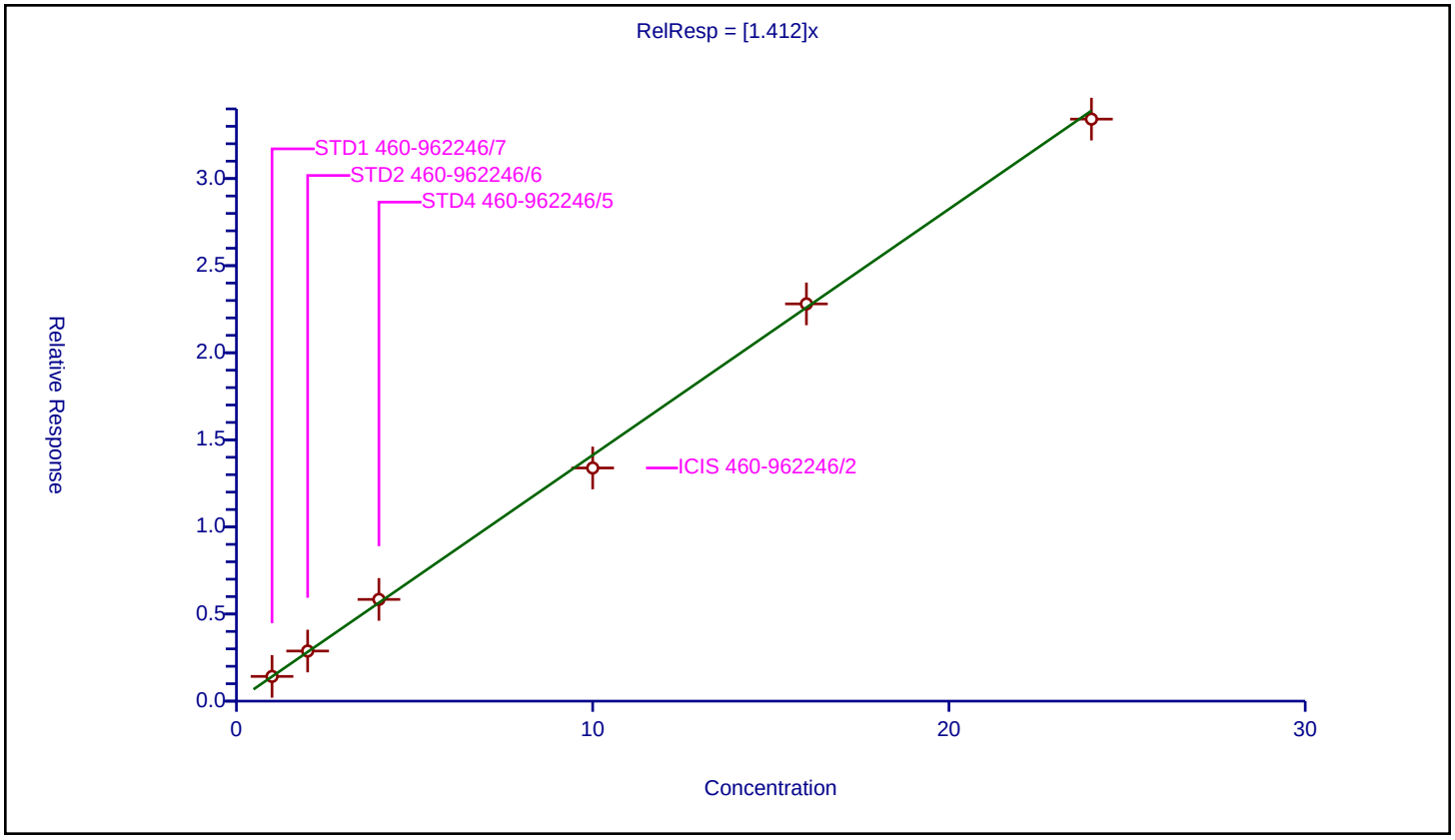
Curve Coefficients

Intercept:	0
Slope:	1.412

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.41906	8.0	787507.0	1.41906	Y
2	STD2 460-962246/6	2.0	2.877006	8.0	773076.0	1.438503	Y
3	STD4 460-962246/5	4.0	5.840757	8.0	758977.0	1.460189	Y
4	ICIS 460-962246/2	10.0	13.38561	8.0	782399.0	1.338561	Y
5	STD16 460-962246/4	16.0	22.805369	8.0	757275.0	1.425336	Y
6	STD24 460-962246/3	24.0	33.414494	8.0	704427.0	1.392271	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

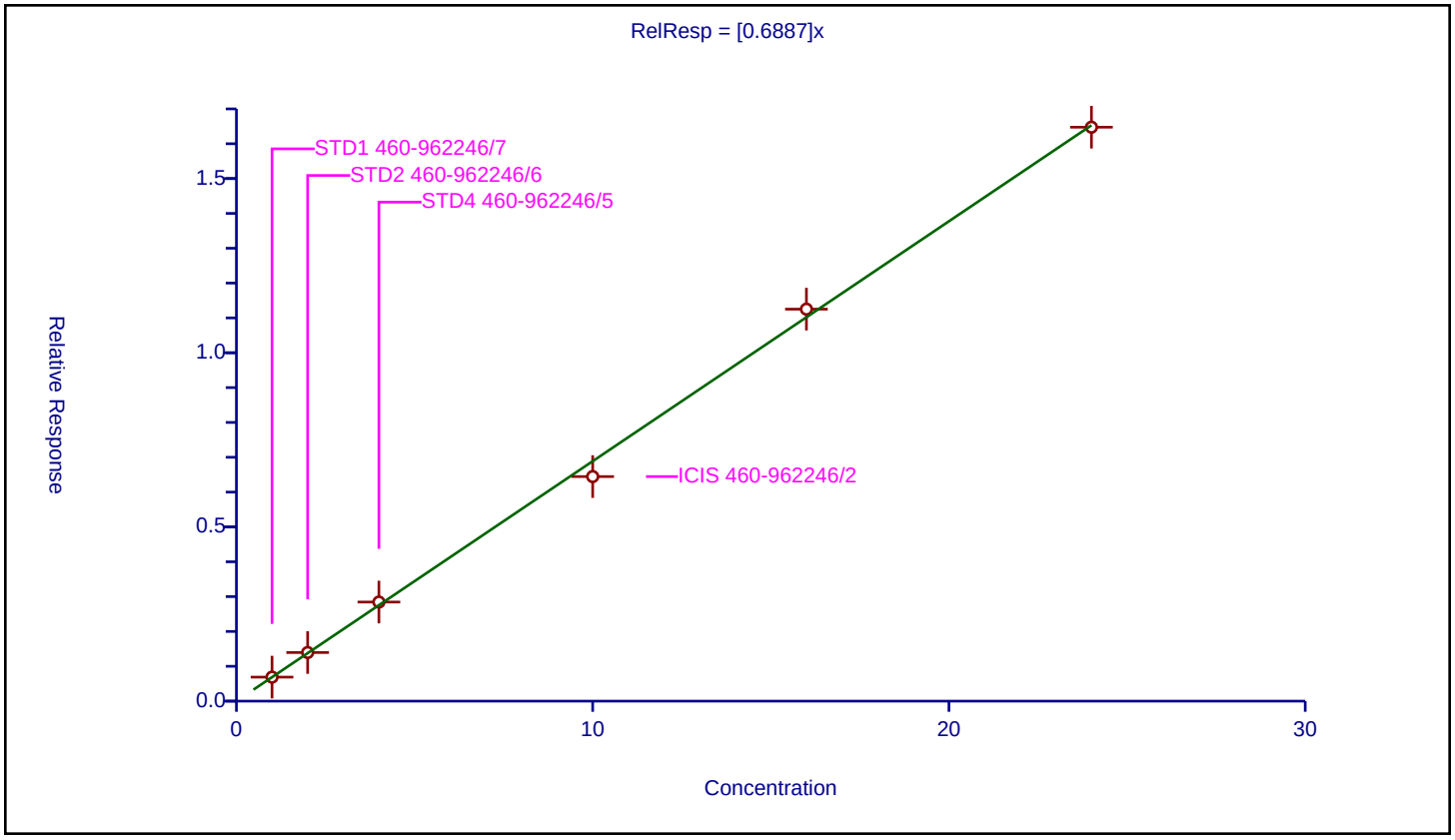
Curve Coefficients

Intercept:	0
Slope:	0.6887

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.688928	8.0	787507.0	0.688928	Y
2	STD2 460-962246/6	2.0	1.39592	8.0	773076.0	0.69796	Y
3	STD4 460-962246/5	4.0	2.844555	8.0	758977.0	0.711139	Y
4	ICIS 460-962246/2	10.0	6.445888	8.0	782399.0	0.644589	Y
5	STD16 460-962246/4	16.0	11.251891	8.0	757275.0	0.703243	Y
6	STD24 460-962246/3	24.0	16.474428	8.0	704427.0	0.686435	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

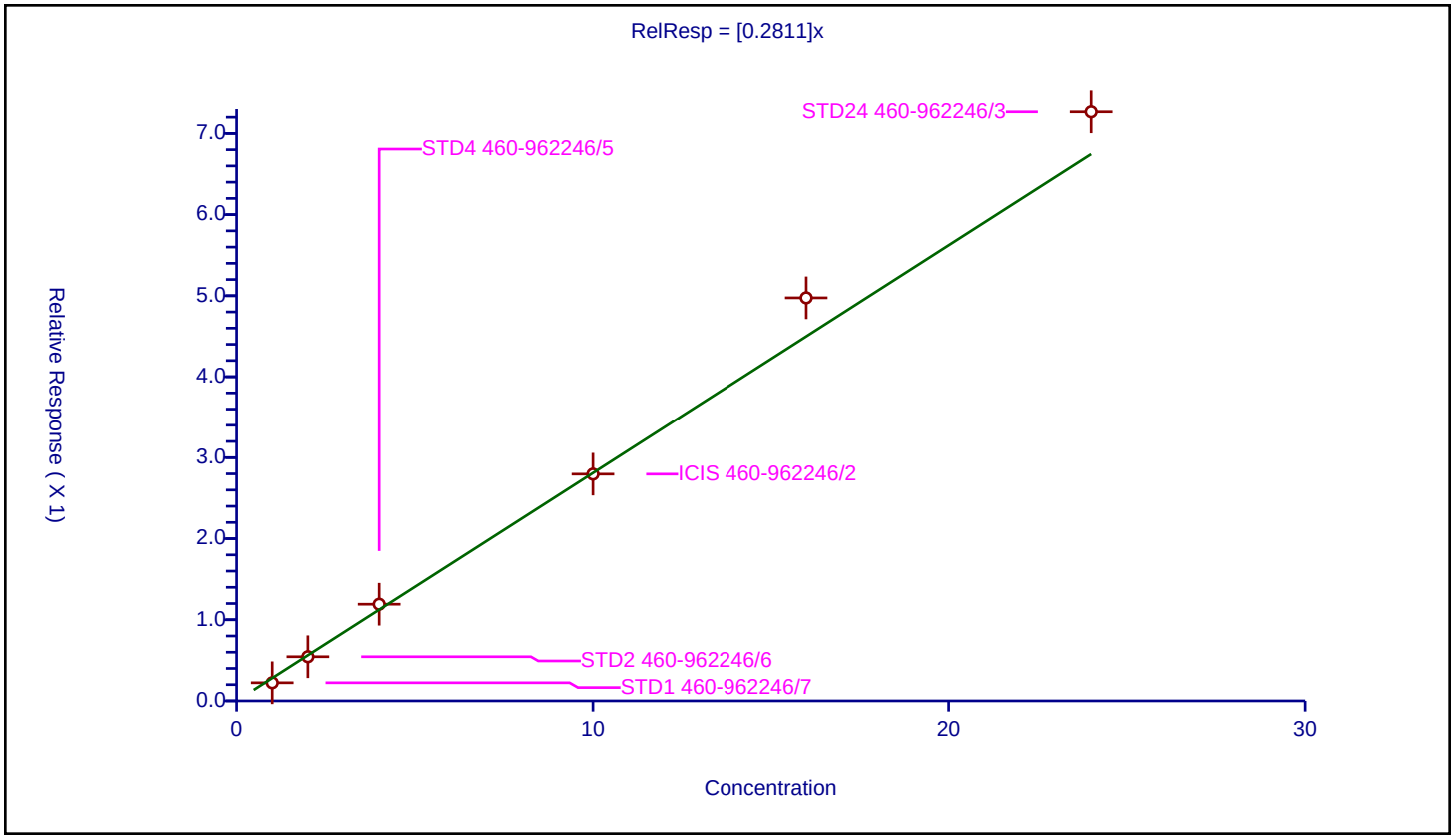
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.223287	8.0	787507.0	0.223287	Y
2	STD2 460-962246/6	2.0	0.544071	8.0	773076.0	0.272035	Y
3	STD4 460-962246/5	4.0	1.19152	8.0	758977.0	0.29788	Y
4	ICIS 460-962246/2	10.0	2.796476	8.0	782399.0	0.279648	Y
5	STD16 460-962246/4	16.0	4.97413	8.0	757275.0	0.310883	Y
6	STD24 460-962246/3	24.0	7.266604	8.0	704427.0	0.302775	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

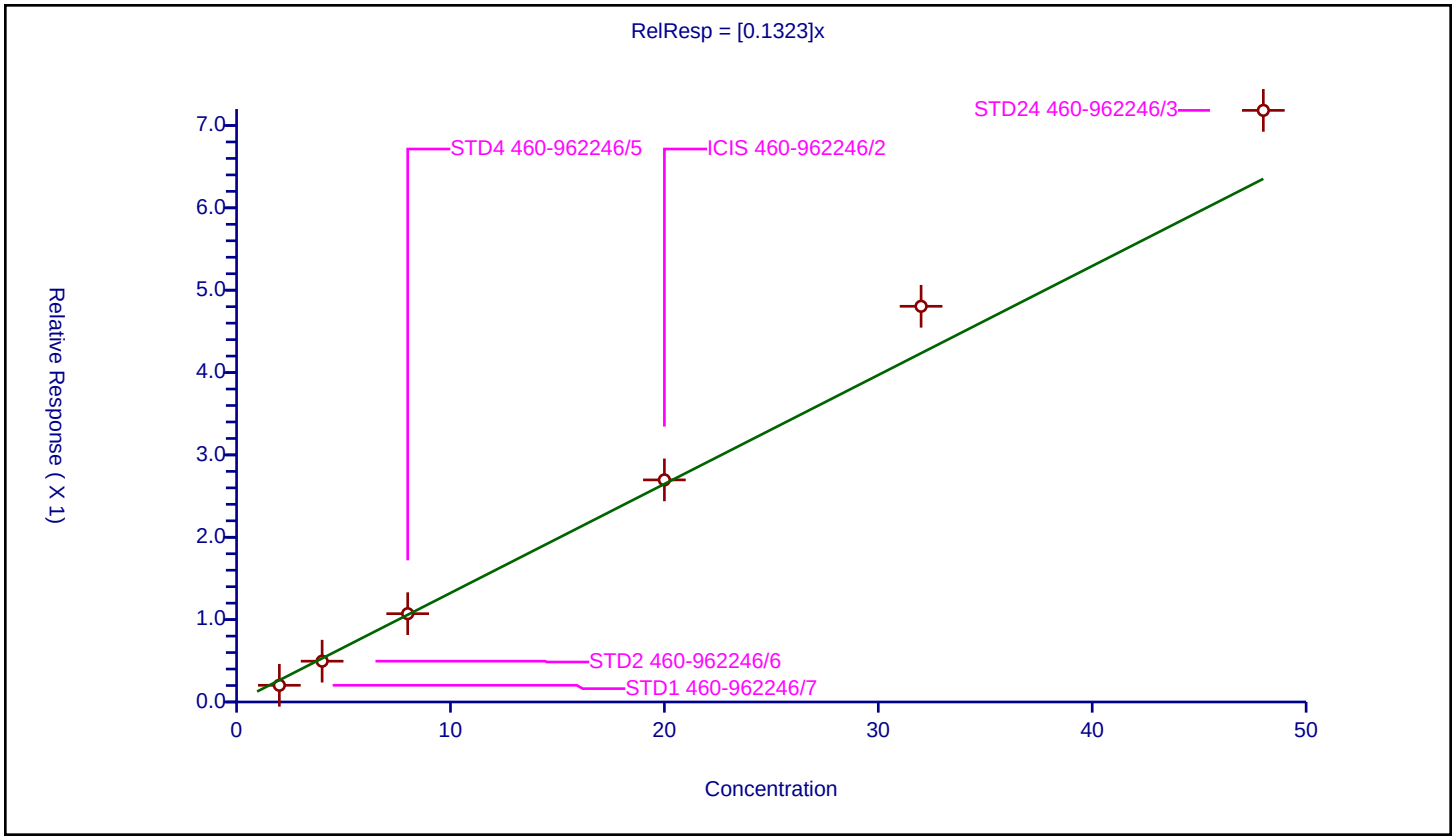
Curve Coefficients

Intercept:	0
Slope:	0.1323

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.202977	8.0	1393221.0	0.101489	Y
2	STD2 460-962246/6	4.0	0.495576	8.0	1350719.0	0.123894	Y
3	STD4 460-962246/5	8.0	1.072153	8.0	1301717.0	0.134019	Y
4	ICIS 460-962246/2	20.0	2.69664	8.0	1324110.0	0.134832	Y
5	STD16 460-962246/4	32.0	4.804737	8.0	1256838.0	0.150148	Y
6	STD24 460-962246/3	48.0	7.183495	8.0	1161095.0	0.149656	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

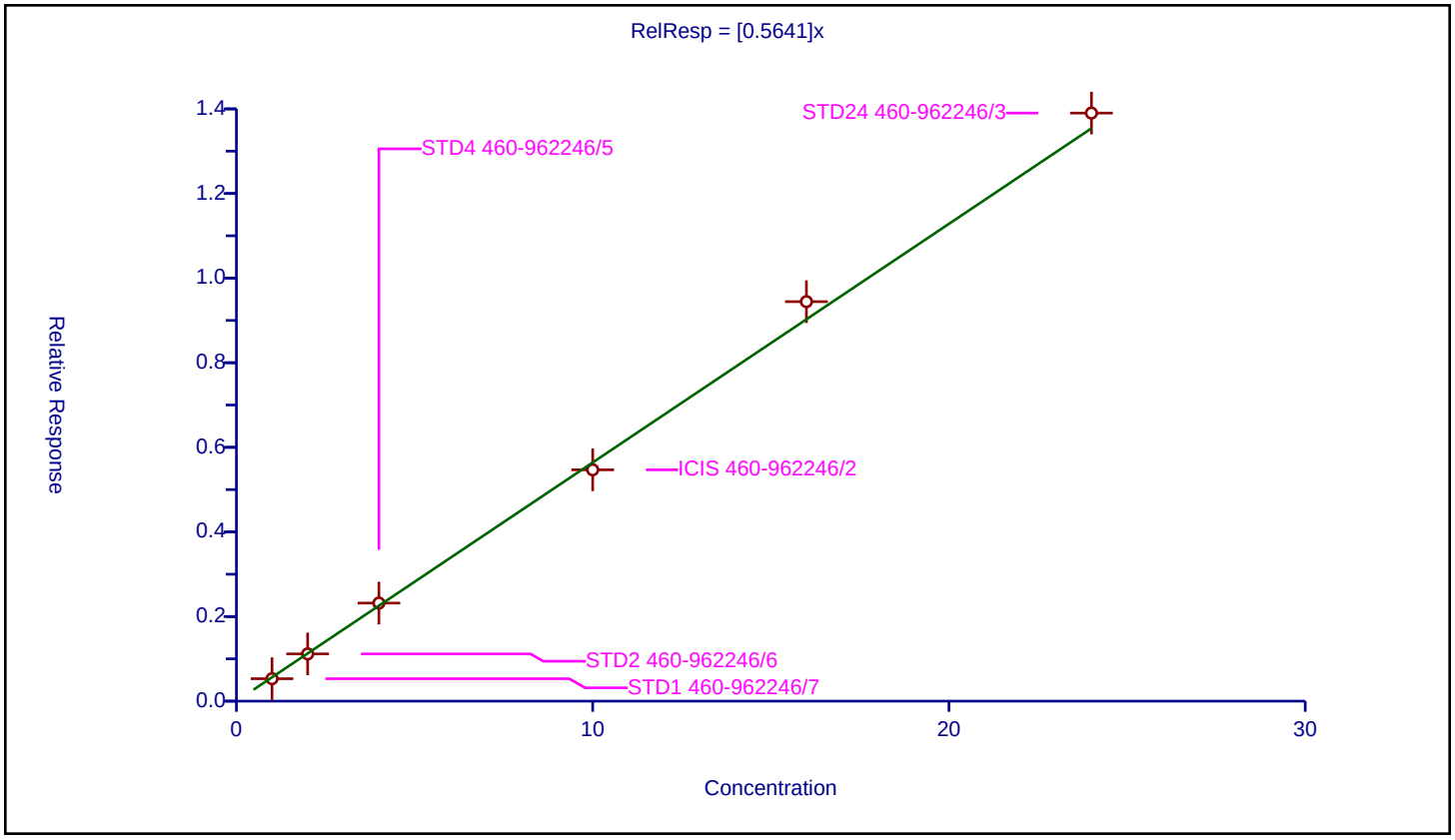
Curve Coefficients

Intercept:	0
Slope:	0.5641

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.530672	8.0	1393221.0	0.530672	Y
2	STD2 460-962246/6	2.0	1.116395	8.0	1350719.0	0.558198	Y
3	STD4 460-962246/5	4.0	2.318372	8.0	1301717.0	0.579593	Y
4	ICIS 460-962246/2	10.0	5.46844	8.0	1324110.0	0.546844	Y
5	STD16 460-962246/4	16.0	9.443922	8.0	1256838.0	0.590245	Y
6	STD24 460-962246/3	24.0	13.901264	8.0	1161095.0	0.579219	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

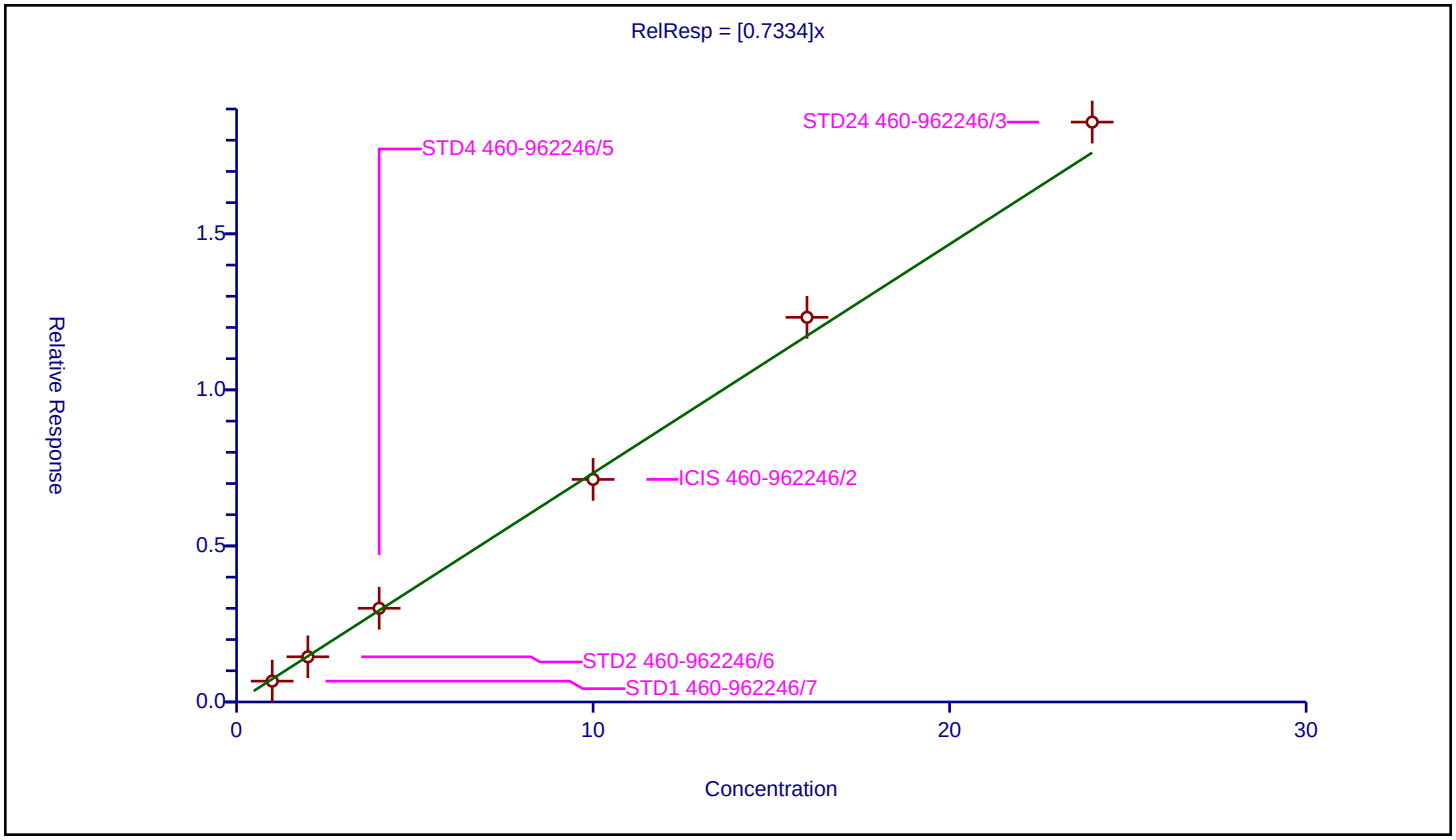
Curve Coefficients

Intercept:	0
Slope:	0.7334

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.668276	8.0	1393221.0	0.668276	Y
2	STD2 460-962246/6	2.0	1.447608	8.0	1350719.0	0.723804	Y
3	STD4 460-962246/5	4.0	3.003289	8.0	1301717.0	0.750822	Y
4	ICIS 460-962246/2	10.0	7.131401	8.0	1324110.0	0.71314	Y
5	STD16 460-962246/4	16.0	12.324872	8.0	1256838.0	0.770305	Y
6	STD24 460-962246/3	24.0	18.580922	8.0	1161095.0	0.774205	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

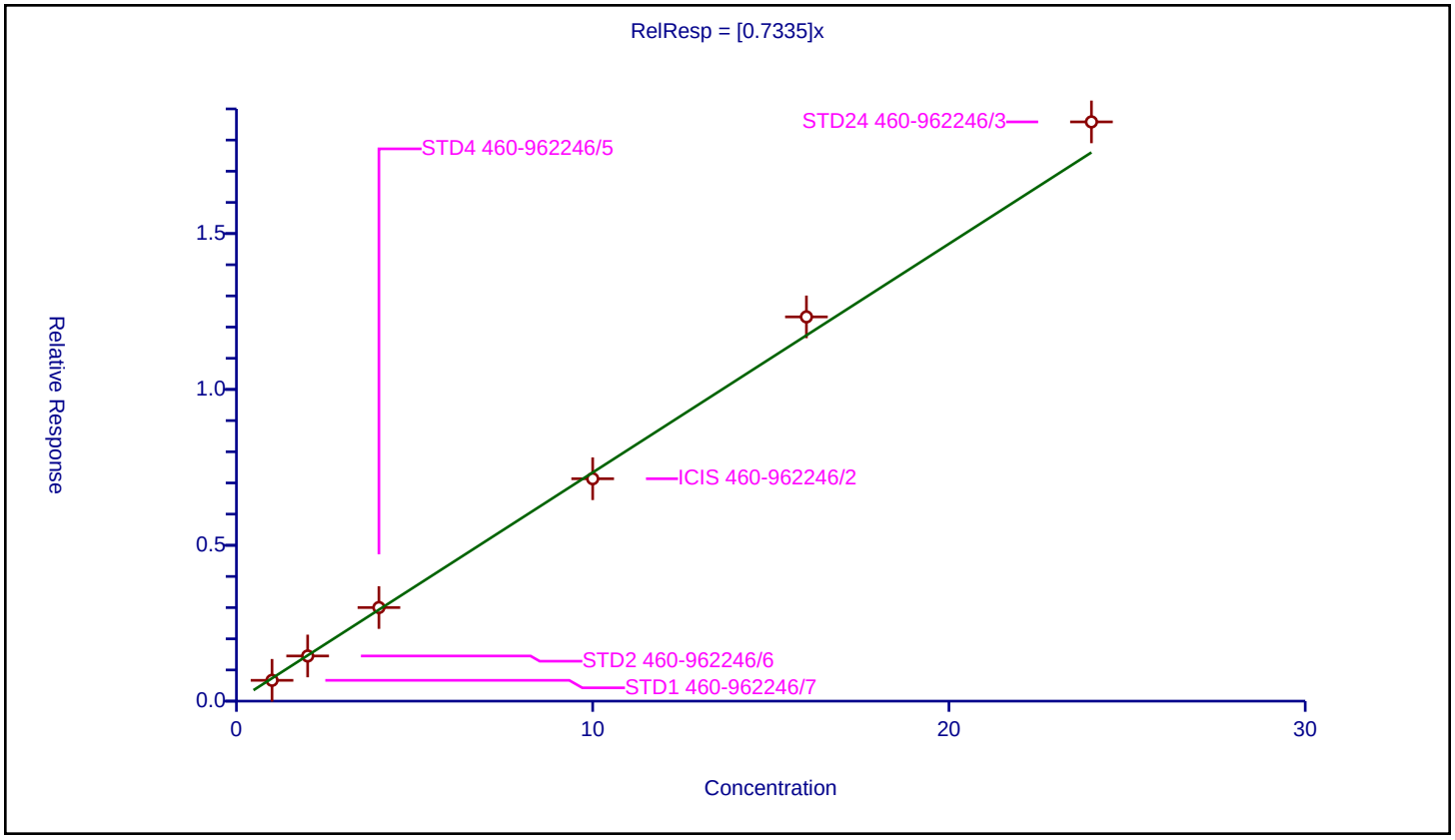
Curve Coefficients

Intercept:	0
Slope:	0.7335

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.667461	8.0	1393221.0	0.667461	Y
2	STD2 460-962246/6	2.0	1.448917	8.0	1350719.0	0.724459	Y
3	STD4 460-962246/5	4.0	3.003289	8.0	1301717.0	0.750822	Y
4	ICIS 460-962246/2	10.0	7.13499	8.0	1324110.0	0.713499	Y
5	STD16 460-962246/4	16.0	12.327469	8.0	1256838.0	0.770467	Y
6	STD24 460-962246/3	24.0	18.582955	8.0	1161095.0	0.77429	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

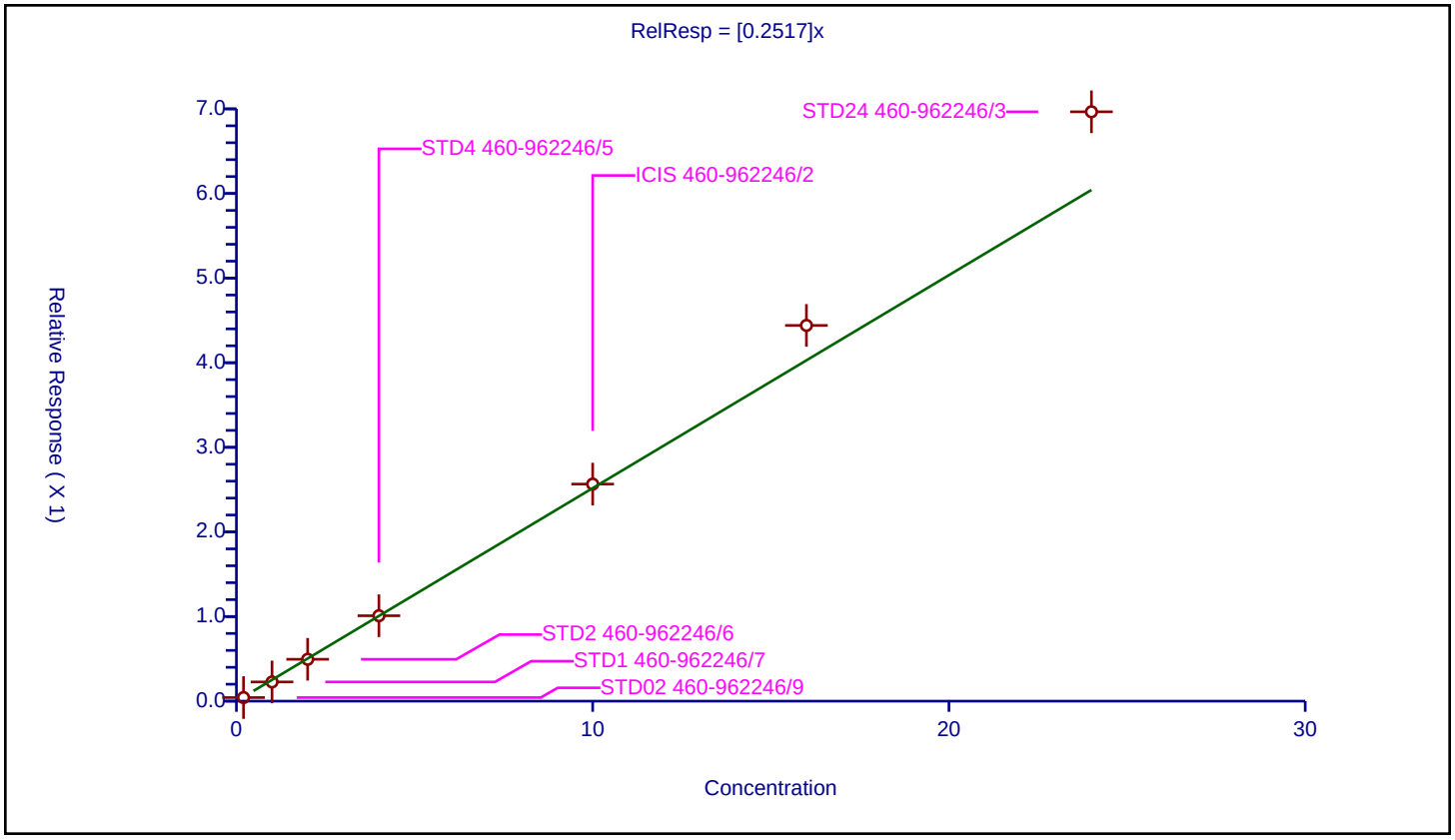
Curve Coefficients

Intercept:	0
Slope:	0.2517

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.042283	8.0	797682.0	0.211413	Y
2	STD1 460-962246/7	1.0	0.226822	8.0	787507.0	0.226822	Y
3	STD2 460-962246/6	2.0	0.494668	8.0	773076.0	0.247334	Y
4	STD4 460-962246/5	4.0	1.009411	8.0	758977.0	0.252353	Y
5	ICIS 460-962246/2	10.0	2.565392	8.0	782399.0	0.256539	Y
6	STD16 460-962246/4	16.0	4.440775	8.0	757275.0	0.277548	Y
7	STD24 460-962246/3	24.0	6.965559	8.0	704427.0	0.290232	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

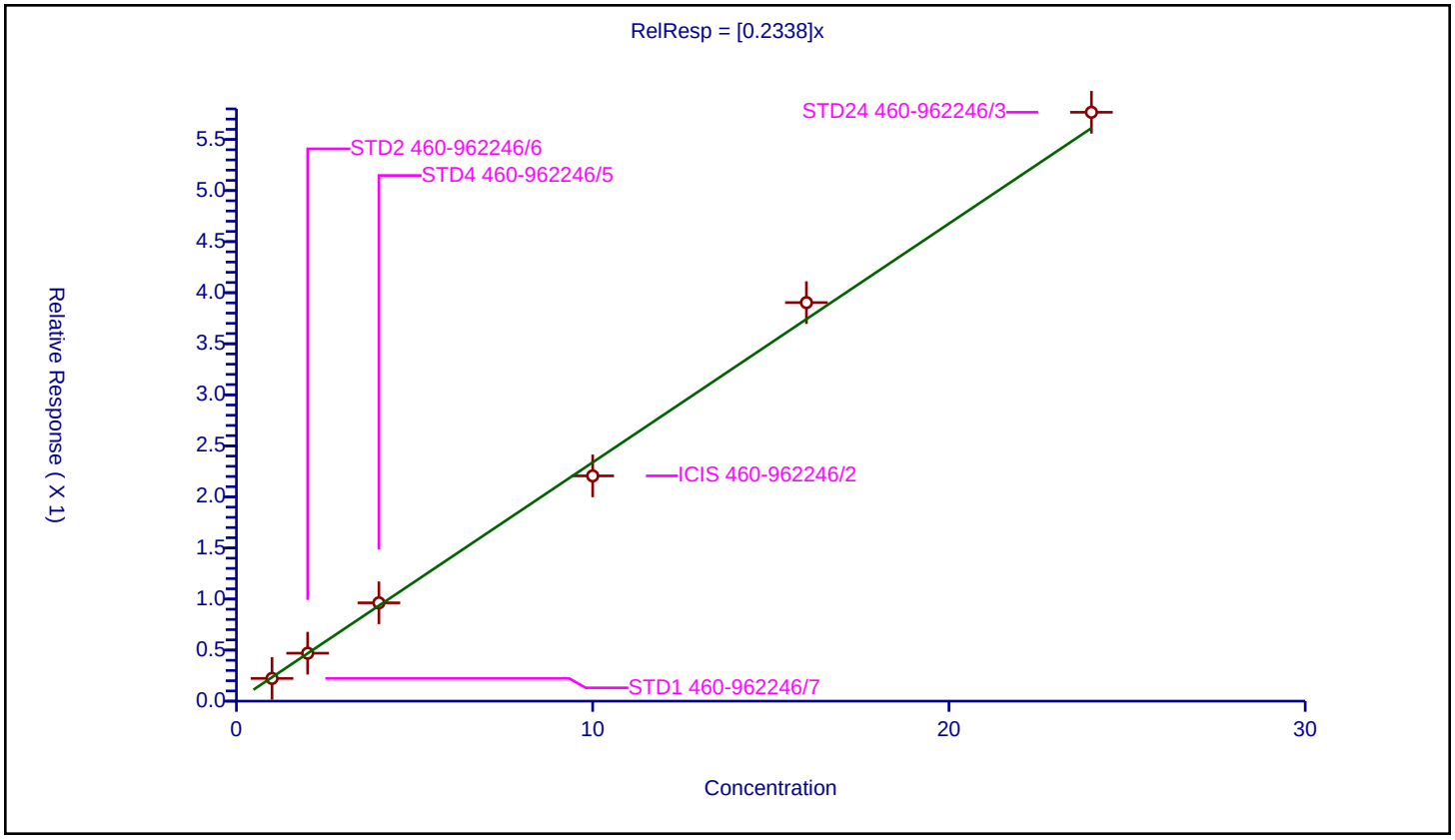
Curve Coefficients

Intercept:	0
Slope:	0.2338

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.222684	8.0	1393221.0	0.222684	Y
2	STD2 460-962246/6	2.0	0.46935	8.0	1350719.0	0.234675	Y
3	STD4 460-962246/5	4.0	0.962888	8.0	1301717.0	0.240722	Y
4	ICIS 460-962246/2	10.0	2.206089	8.0	1324110.0	0.220609	Y
5	STD16 460-962246/4	16.0	3.902963	8.0	1256838.0	0.243935	Y
6	STD24 460-962246/3	24.0	5.766798	8.0	1161095.0	0.240283	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

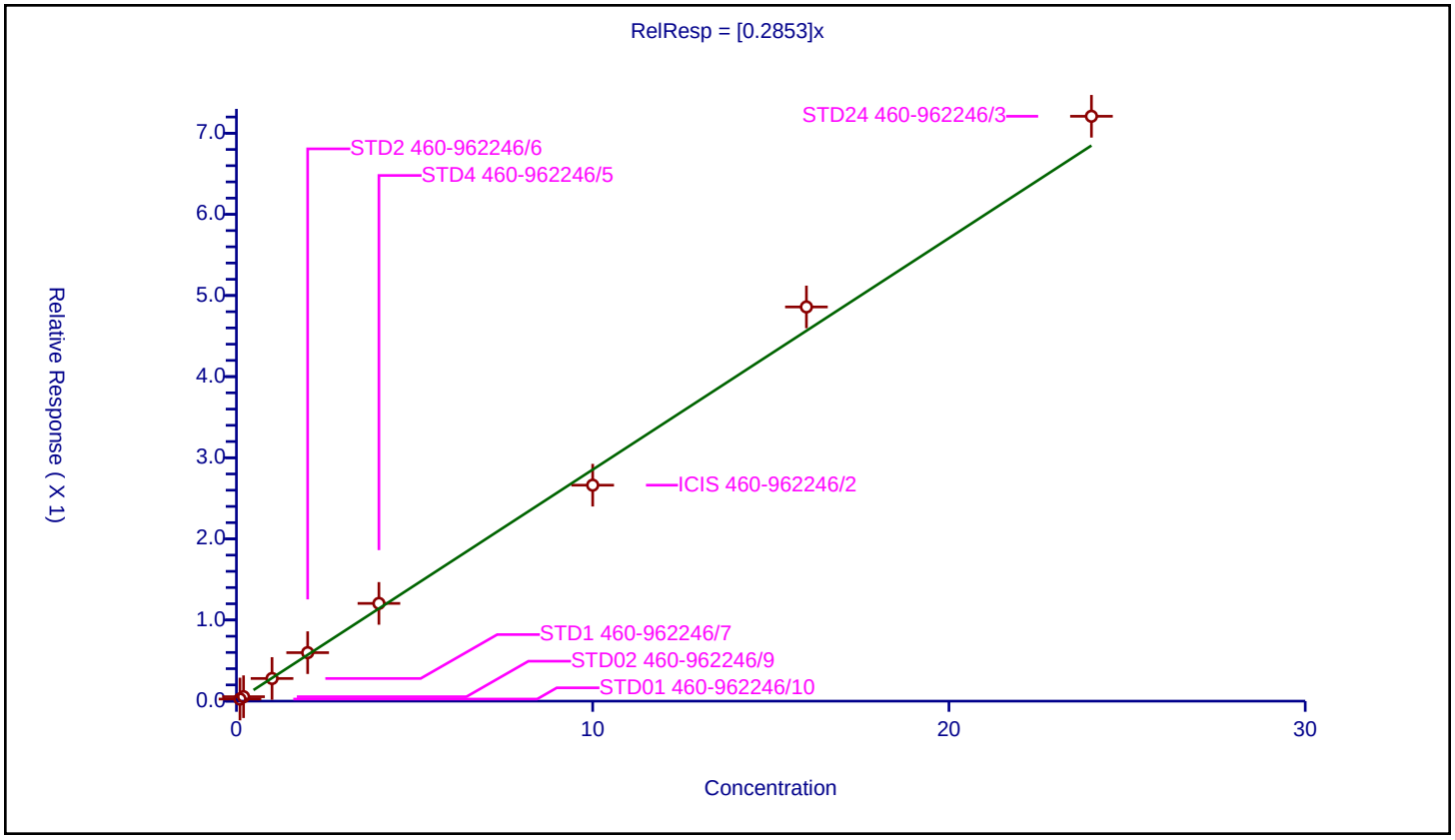
Curve Coefficients

Intercept:	0
Slope:	0.2853

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.025933	8.0	1307083.0	0.259326	Y
2	STD02 460-962246/9	0.2	0.054761	8.0	1435034.0	0.273805	Y
3	STD1 460-962246/7	1.0	0.27933	8.0	1393221.0	0.27933	Y
4	STD2 460-962246/6	2.0	0.597702	8.0	1350719.0	0.298851	Y
5	STD4 460-962246/5	4.0	1.20471	8.0	1301717.0	0.301178	Y
6	ICIS 460-962246/2	10.0	2.661906	8.0	1324110.0	0.266191	Y
7	STD16 460-962246/4	16.0	4.858746	8.0	1256838.0	0.303672	Y
8	STD24 460-962246/3	24.0	7.209167	8.0	1161095.0	0.300382	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

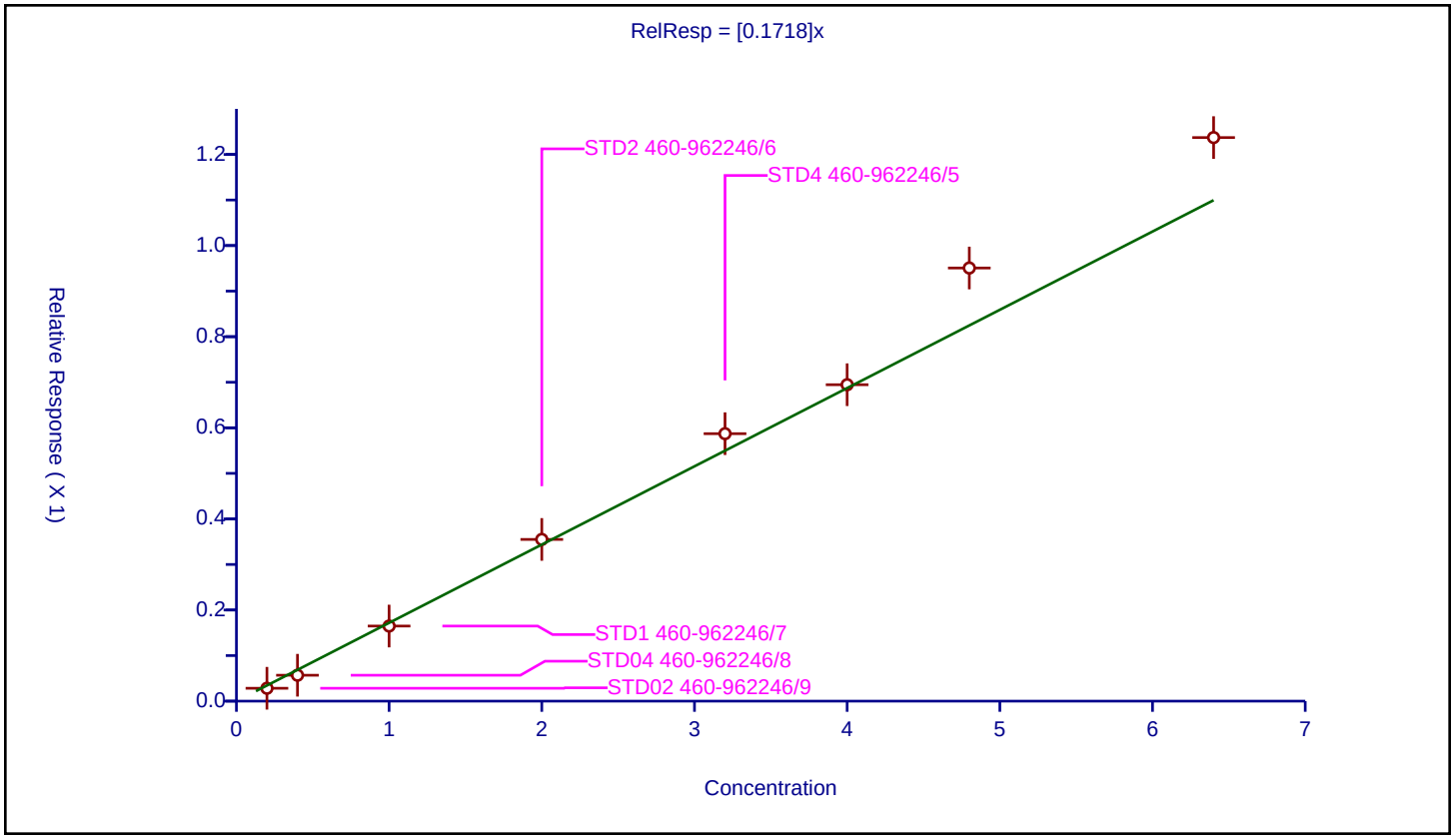
Curve Coefficients

Intercept:	0
Slope:	0.1718

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.028286	8.0	1435034.0	0.141432	Y
2	STD04 460-962246/8	0.4	0.056864	8.0	1422753.0	0.142161	Y
3	STD1 460-962246/7	1.0	0.164861	8.0	1393221.0	0.164861	Y
4	STD2 460-962246/6	2.0	0.354958	8.0	1350719.0	0.177479	Y
5	STD4 460-962246/5	3.2	0.587089	8.0	1301717.0	0.183465	Y
6	ICIS 460-962246/2	4.0	0.694589	8.0	1324110.0	0.173647	Y
7	STD16 460-962246/4	4.8	0.950773	8.0	1256838.0	0.198078	Y
8	STD24 460-962246/3	6.4	1.237039	8.0	1161095.0	0.193287	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

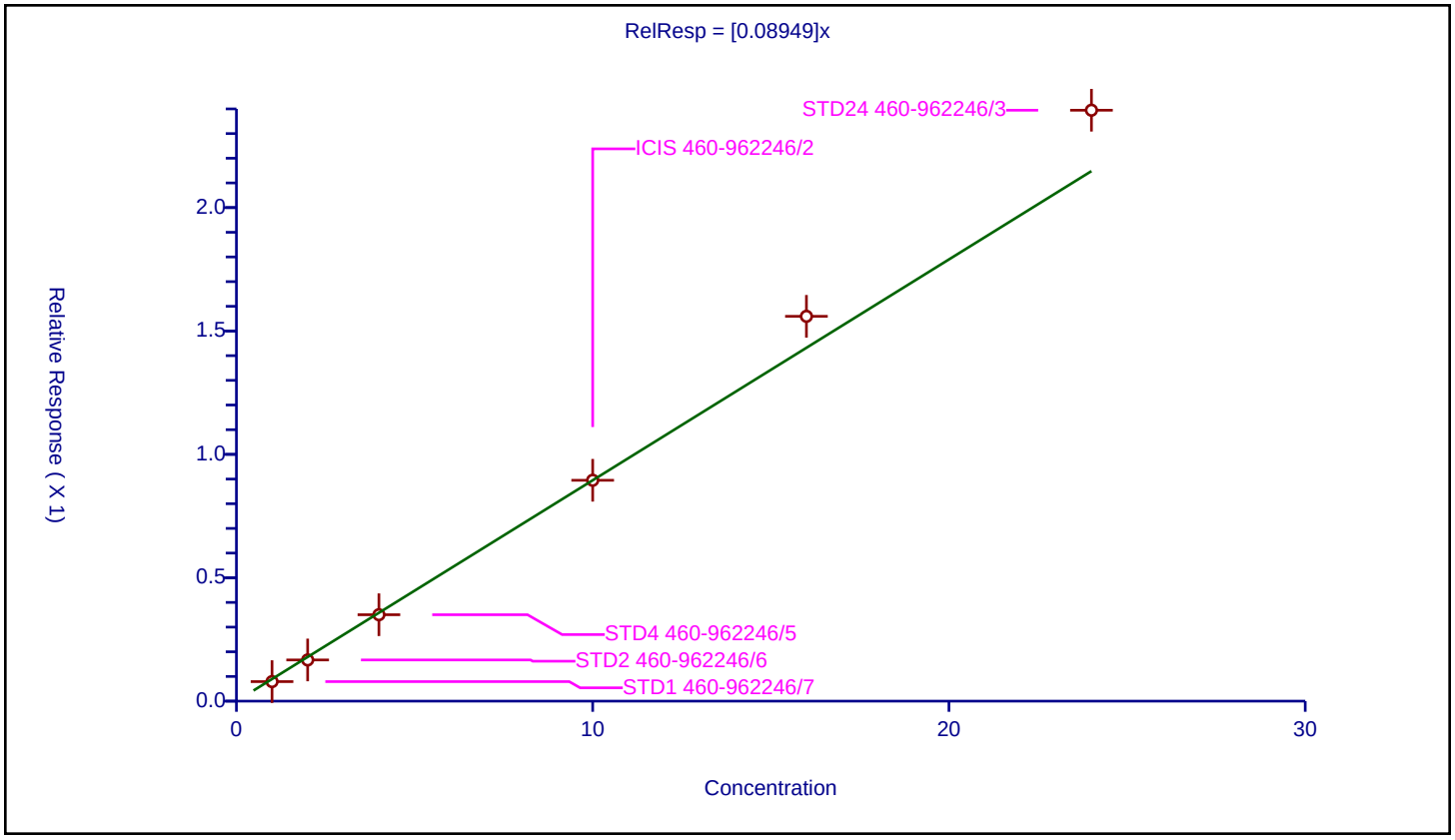
Curve Coefficients

Intercept:	0
Slope:	0.08949

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.079206	8.0	1393221.0	0.079206	Y
2	STD2 460-962246/6	2.0	0.166916	8.0	1350719.0	0.083458	Y
3	STD4 460-962246/5	4.0	0.350208	8.0	1301717.0	0.087552	Y
4	ICIS 460-962246/2	10.0	0.895056	8.0	1324110.0	0.089506	Y
5	STD16 460-962246/4	16.0	1.559469	8.0	1256838.0	0.097467	Y
6	STD24 460-962246/3	24.0	2.394636	8.0	1161095.0	0.099777	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

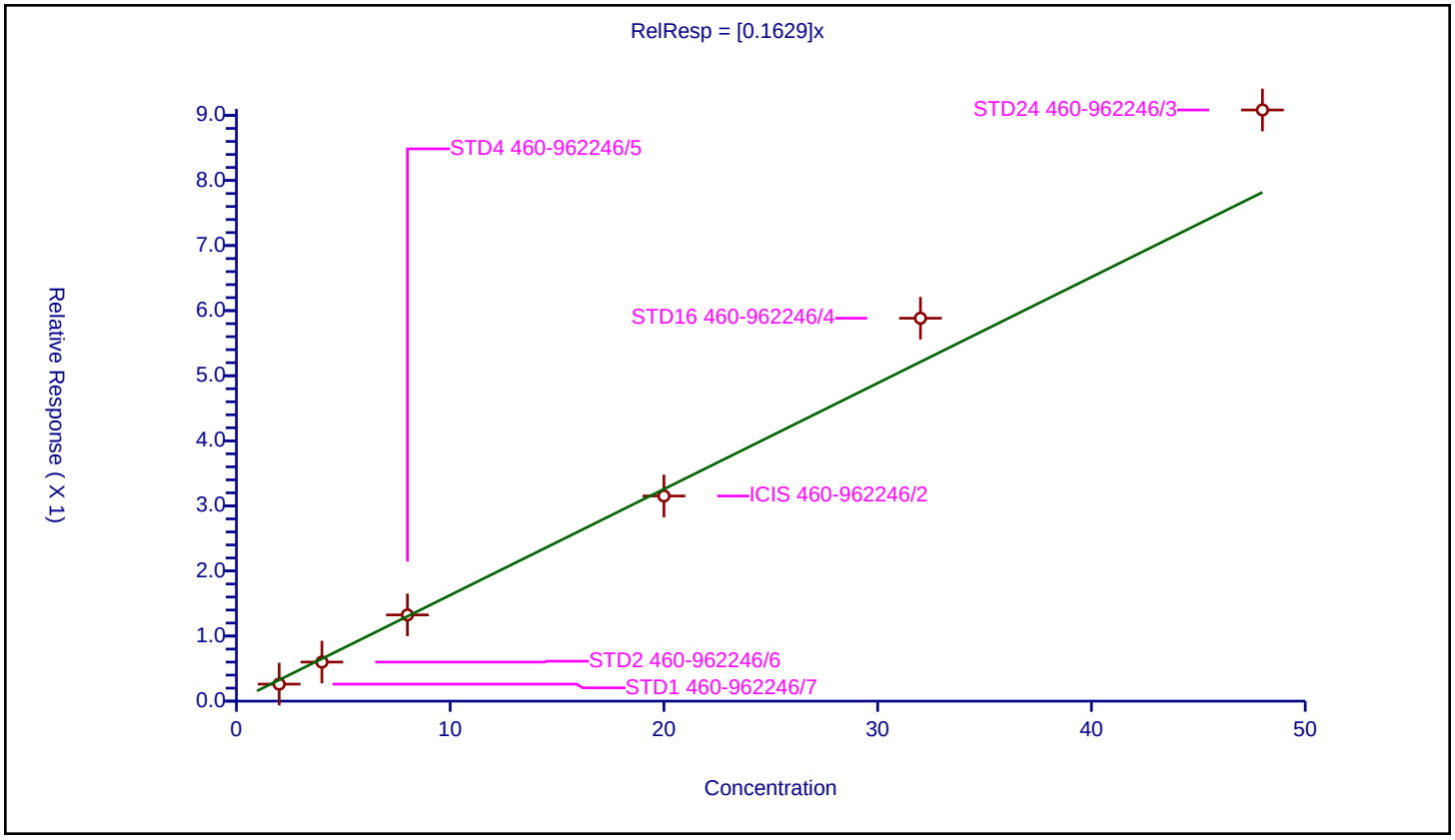
Curve Coefficients

Intercept:	0
Slope:	0.1629

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.261845	8.0	1393221.0	0.130923	Y
2	STD2 460-962246/6	4.0	0.600385	8.0	1350719.0	0.150096	Y
3	STD4 460-962246/5	8.0	1.32481	8.0	1301717.0	0.165601	Y
4	ICIS 460-962246/2	20.0	3.152161	8.0	1324110.0	0.157608	Y
5	STD16 460-962246/4	32.0	5.883692	8.0	1256838.0	0.183865	Y
6	STD24 460-962246/3	48.0	9.08326	8.0	1161095.0	0.189235	Y



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Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

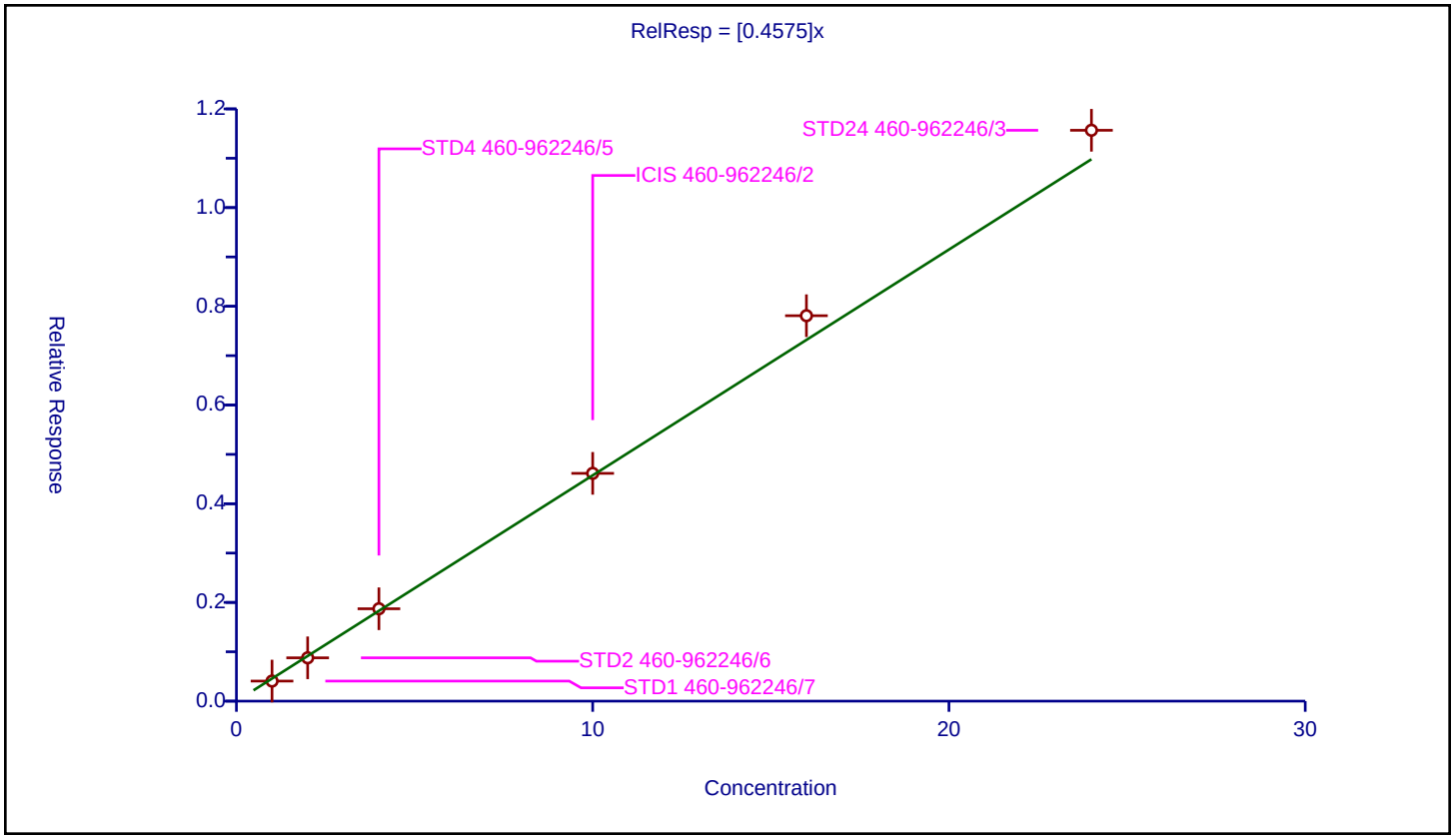
Curve Coefficients

Intercept:	0
Slope:	0.4575

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.40658	8.0	1393221.0	0.40658	Y
2	STD2 460-962246/6	2.0	0.8775	8.0	1350719.0	0.43875	Y
3	STD4 460-962246/5	4.0	1.871848	8.0	1301717.0	0.467962	Y
4	ICIS 460-962246/2	10.0	4.615417	8.0	1324110.0	0.461542	Y
5	STD16 460-962246/4	16.0	7.809497	8.0	1256838.0	0.488094	Y
6	STD24 460-962246/3	24.0	11.566613	8.0	1161095.0	0.481942	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

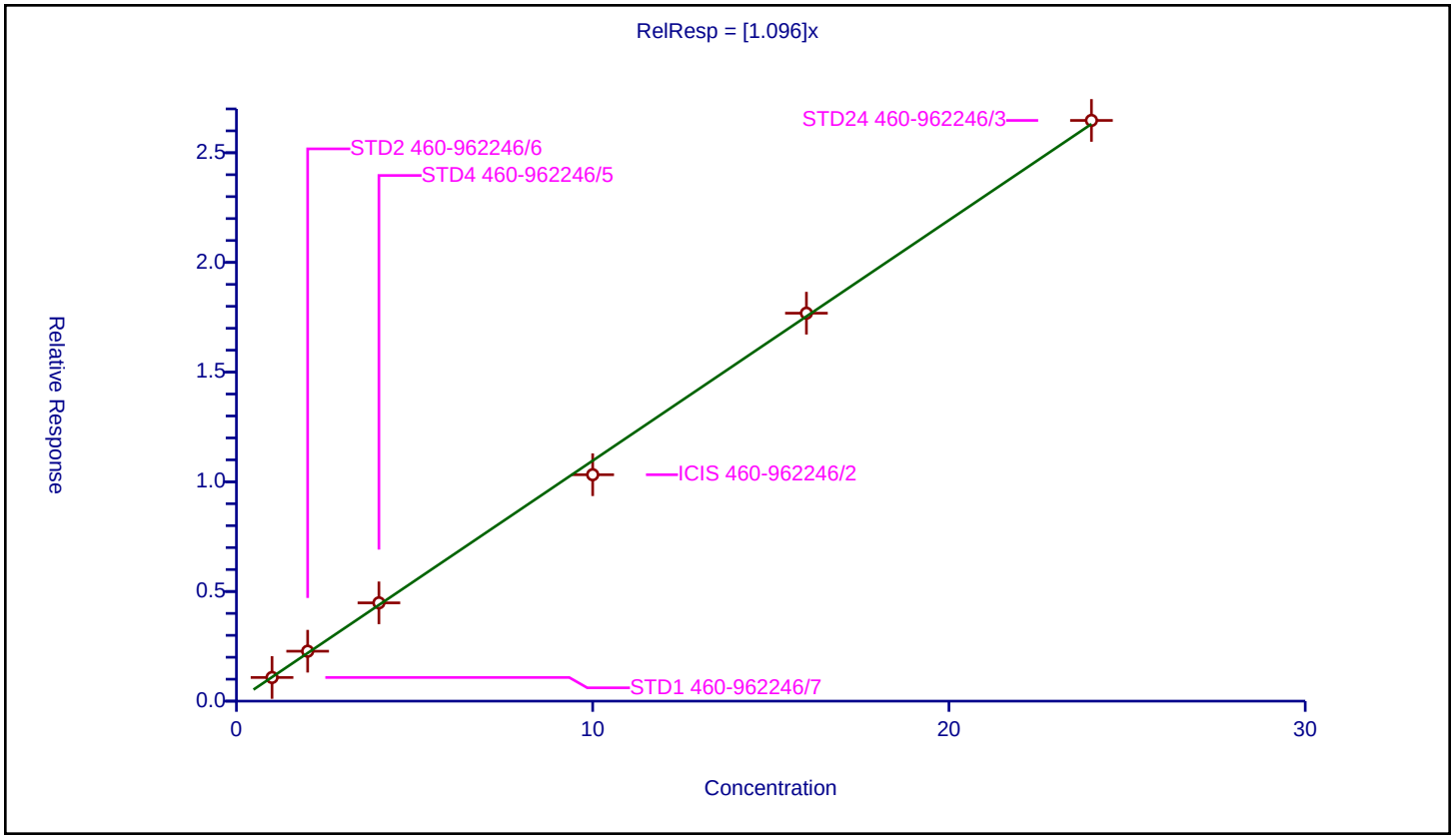
Curve Coefficients

Intercept:	0
Slope:	1.096

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.078479	8.0	1393221.0	1.078479	Y
2	STD2 460-962246/6	2.0	2.275801	8.0	1350719.0	1.137901	Y
3	STD4 460-962246/5	4.0	4.481558	8.0	1301717.0	1.120389	Y
4	ICIS 460-962246/2	10.0	10.323015	8.0	1324110.0	1.032302	Y
5	STD16 460-962246/4	16.0	17.686747	8.0	1256838.0	1.105422	Y
6	STD24 460-962246/3	24.0	26.473968	8.0	1161095.0	1.103082	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

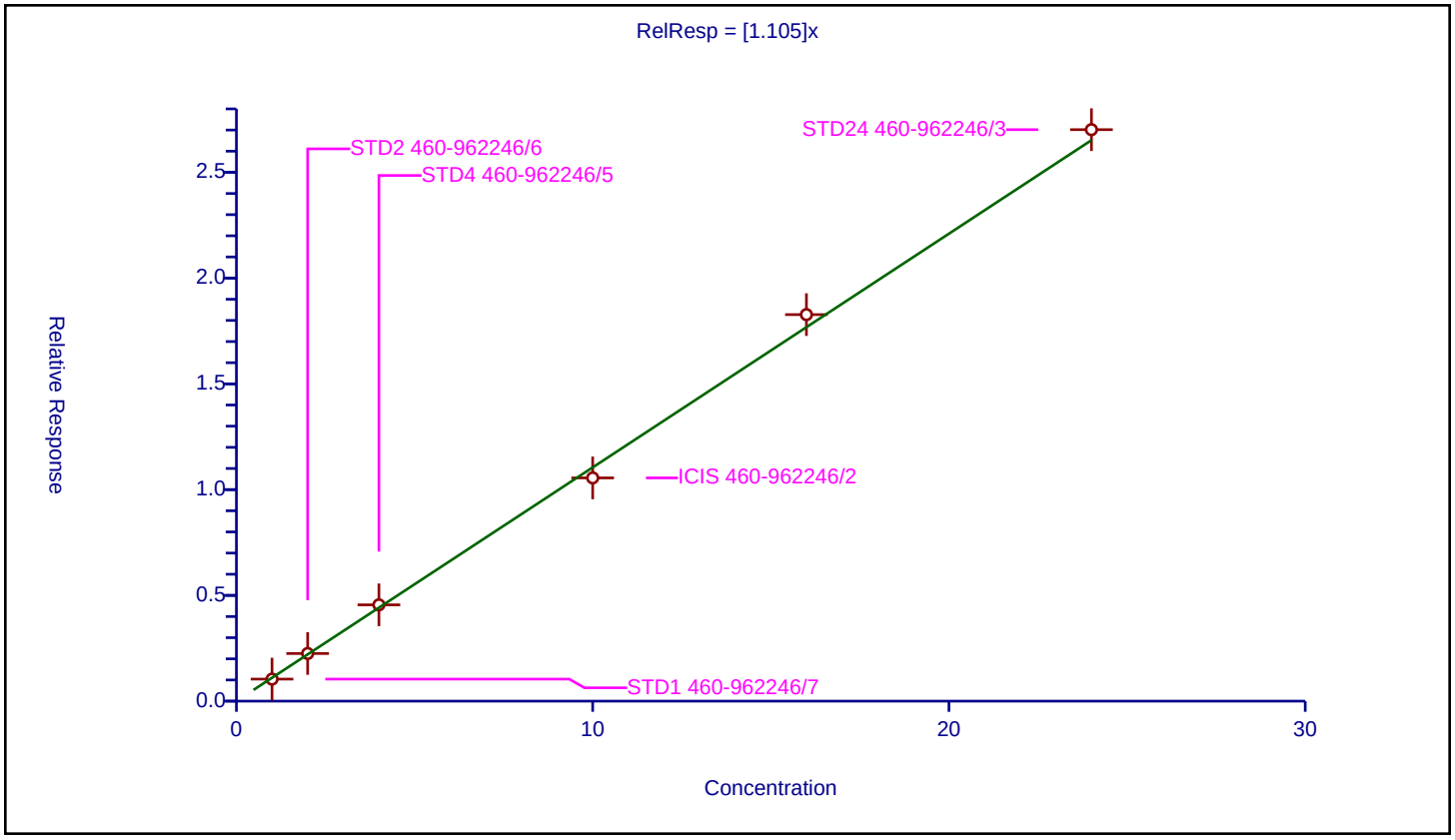
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.042425	8.0	1393221.0	1.042425	Y
2	STD2 460-962246/6	2.0	2.252134	8.0	1350719.0	1.126067	Y
3	STD4 460-962246/5	4.0	4.552307	8.0	1301717.0	1.138077	Y
4	ICIS 460-962246/2	10.0	10.554108	8.0	1324110.0	1.055411	Y
5	STD16 460-962246/4	16.0	18.273916	8.0	1256838.0	1.14212	Y
6	STD24 460-962246/3	24.0	27.018344	8.0	1161095.0	1.125764	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

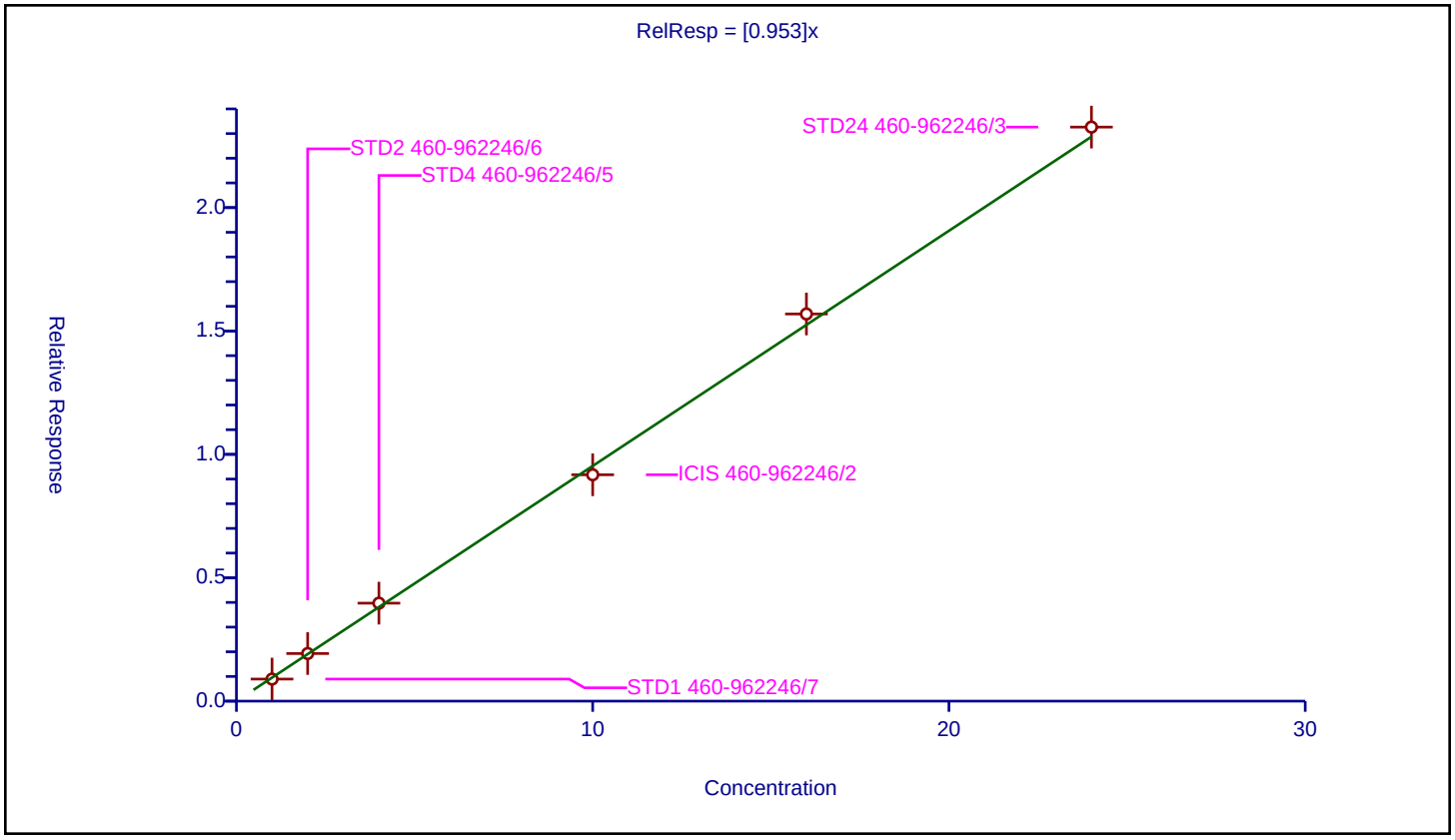
Curve Coefficients

Intercept:	0
Slope:	0.953

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.893946	8.0	1393221.0	0.893946	Y
2	STD2 460-962246/6	2.0	1.928964	8.0	1350719.0	0.964482	Y
3	STD4 460-962246/5	4.0	3.969834	8.0	1301717.0	0.992458	Y
4	ICIS 460-962246/2	10.0	9.173262	8.0	1324110.0	0.917326	Y
5	STD16 460-962246/4	16.0	15.689526	8.0	1256838.0	0.980595	Y
6	STD24 460-962246/3	24.0	23.262296	8.0	1161095.0	0.969262	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

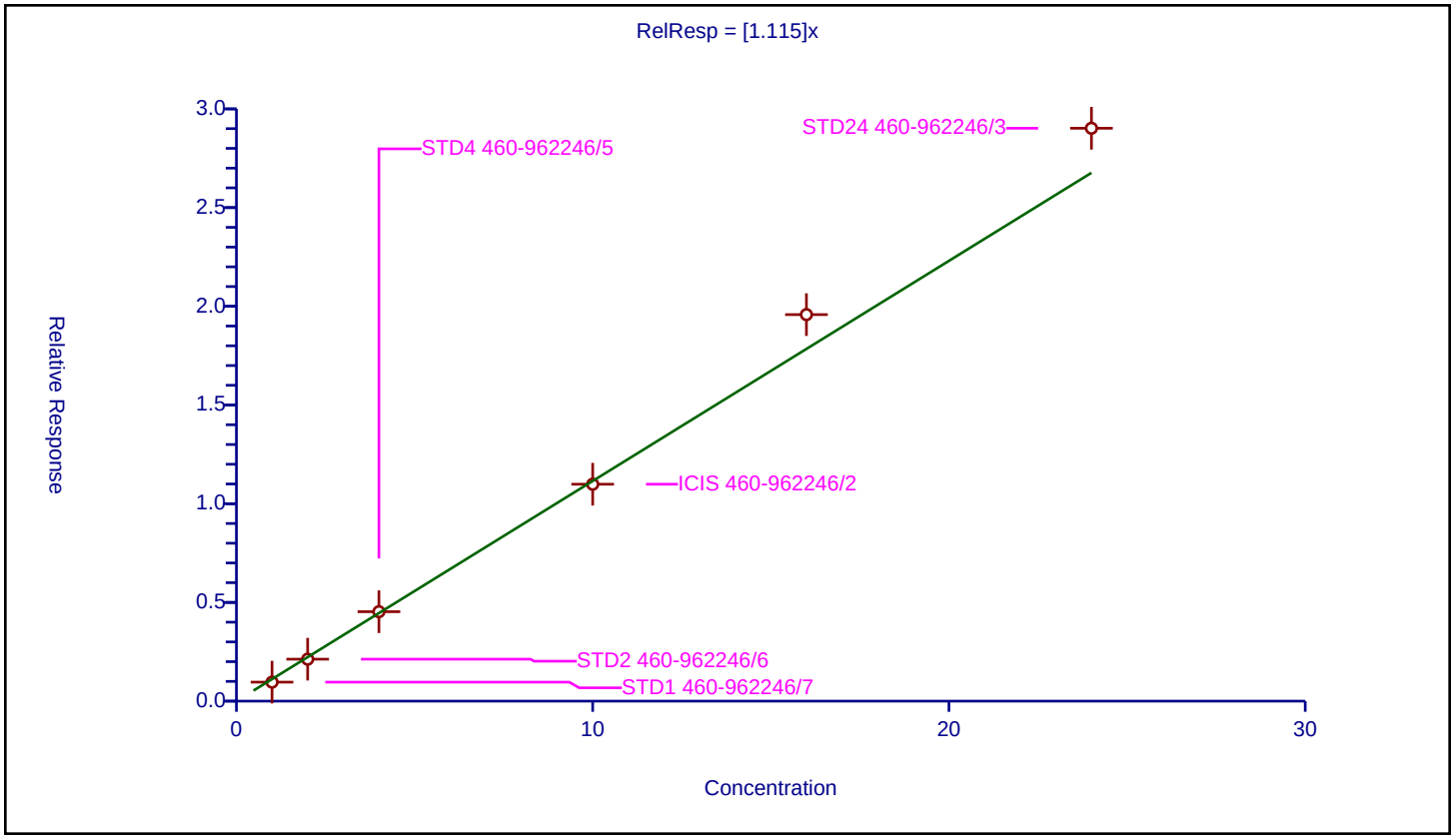
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.96323	8.0	1393221.0	0.96323	Y
2	STD2 460-962246/6	2.0	2.12621	8.0	1350719.0	1.063105	Y
3	STD4 460-962246/5	4.0	4.530539	8.0	1301717.0	1.132635	Y
4	ICIS 460-962246/2	10.0	10.987365	8.0	1324110.0	1.098737	Y
5	STD16 460-962246/4	16.0	19.579516	8.0	1256838.0	1.22372	Y
6	STD24 460-962246/3	24.0	29.018876	8.0	1161095.0	1.20912	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

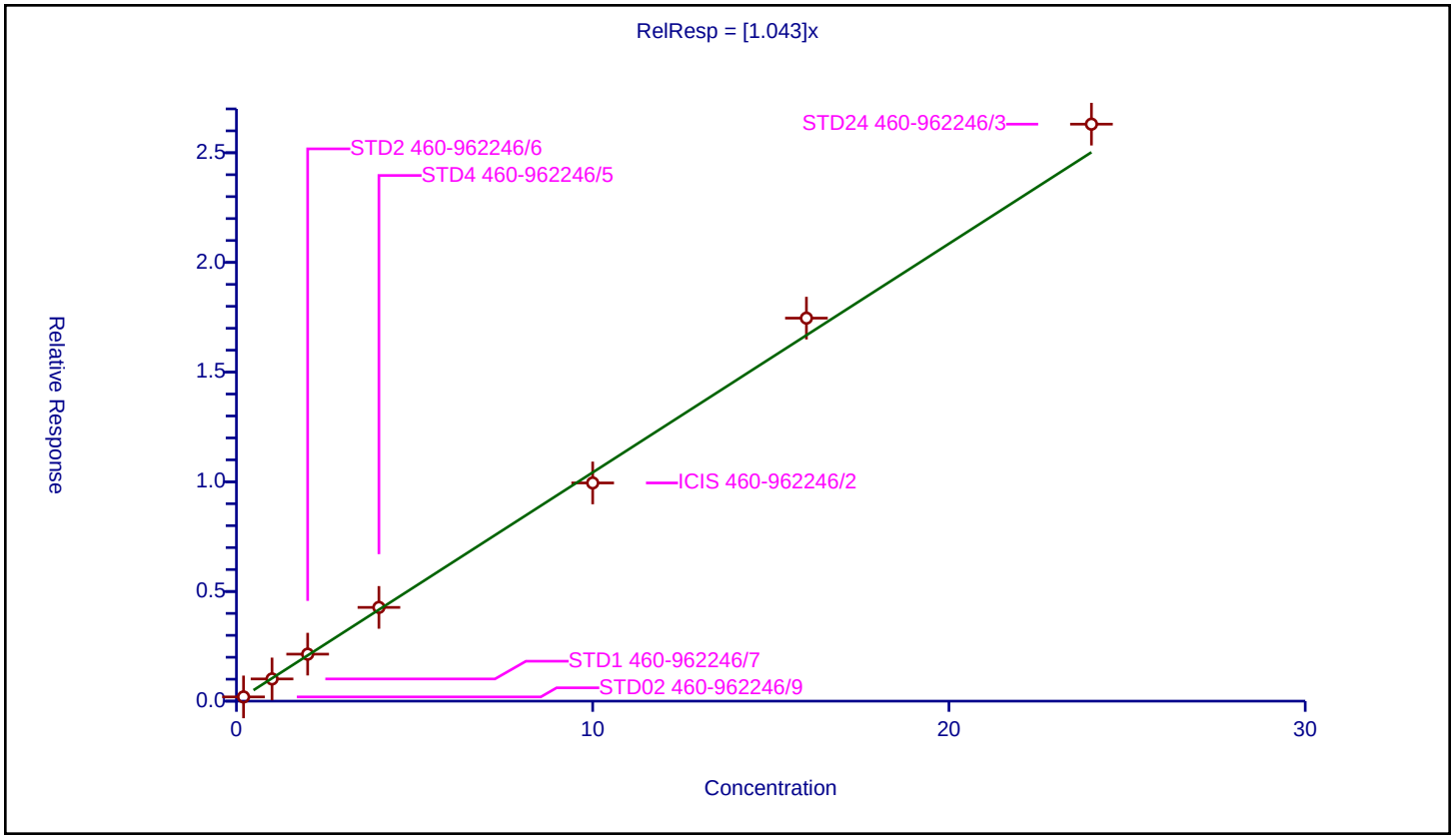
Curve Coefficients

Intercept:	0
Slope:	1.043

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.193027	8.0	1435034.0	0.965134	Y
2	STD1 460-962246/7	1.0	1.011883	8.0	1393221.0	1.011883	Y
3	STD2 460-962246/6	2.0	2.141887	8.0	1350719.0	1.070944	Y
4	STD4 460-962246/5	4.0	4.273851	8.0	1301717.0	1.068463	Y
5	ICIS 460-962246/2	10.0	9.947494	8.0	1324110.0	0.994749	Y
6	STD16 460-962246/4	16.0	17.460688	8.0	1256838.0	1.091293	Y
7	STD24 460-962246/3	24.0	26.304273	8.0	1161095.0	1.096011	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

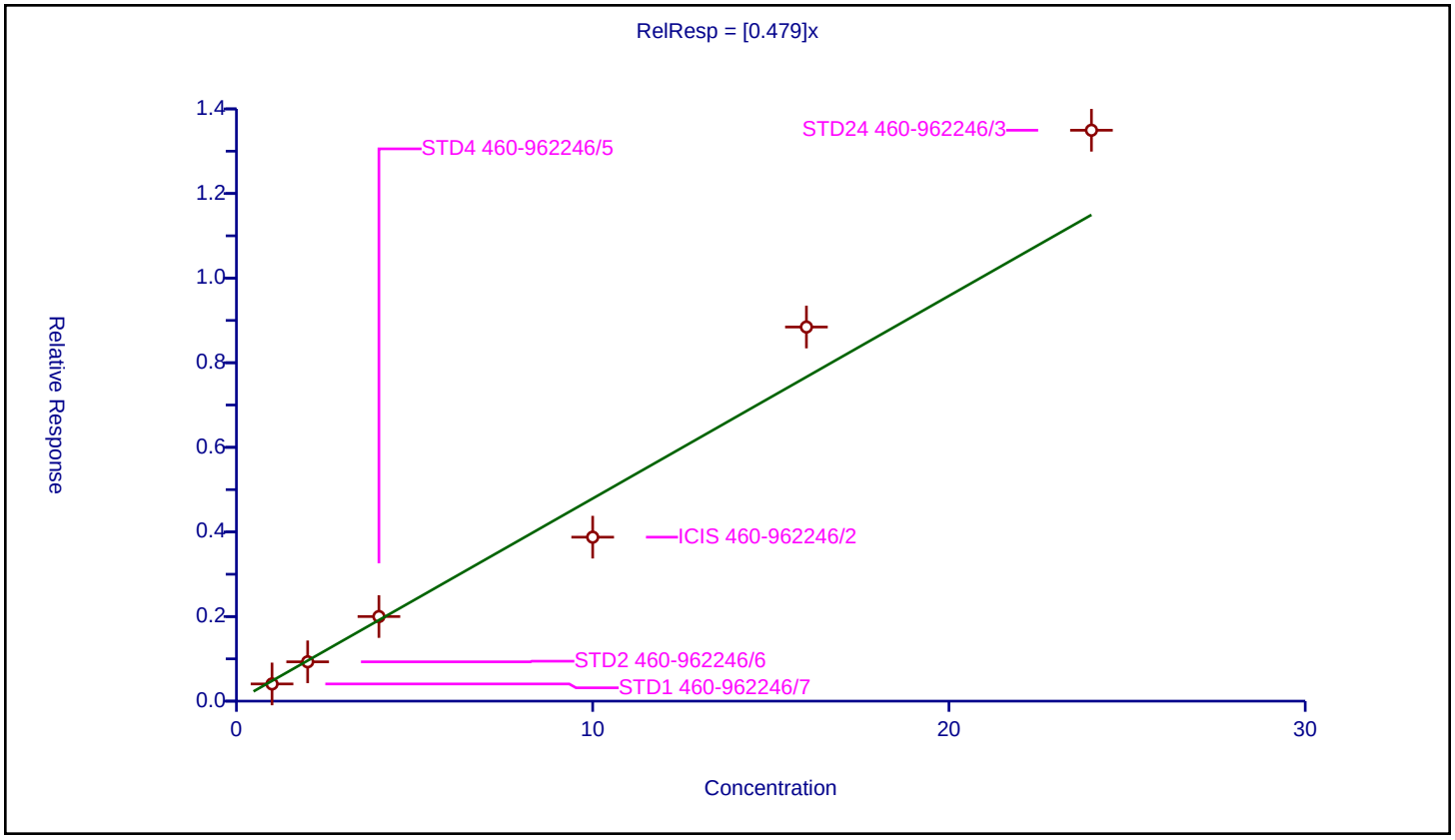
Curve Coefficients

Intercept:	0
Slope:	0.479

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.406597	8.0	1393221.0	0.406597	Y
2	STD2 460-962246/6	2.0	0.929395	8.0	1350719.0	0.464698	Y
3	STD4 460-962246/5	4.0	1.999765	8.0	1301717.0	0.499941	Y
4	ICIS 460-962246/2	10.0	3.876228	8.0	1324110.0	0.387623	Y
5	STD16 460-962246/4	16.0	8.843864	8.0	1256838.0	0.552741	Y
6	STD24 460-962246/3	24.0	13.495357	8.0	1161095.0	0.562307	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

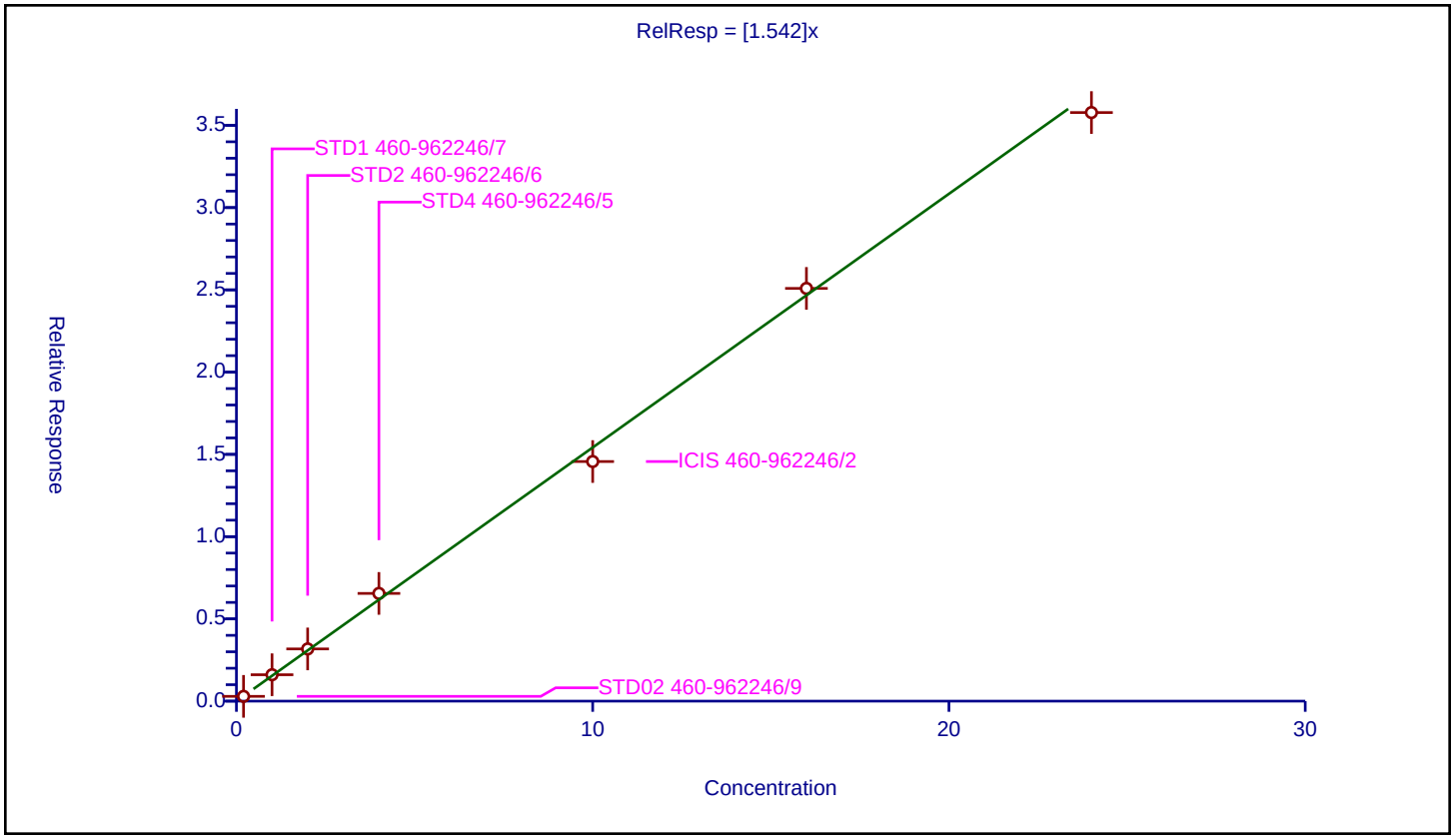
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.289892	8.0	921501.0	1.449461	Y
2	STD1 460-962246/7	1.0	1.604431	8.0	924036.0	1.604431	Y
3	STD2 460-962246/6	2.0	3.173491	8.0	939750.0	1.586745	Y
4	STD4 460-962246/5	4.0	6.547946	8.0	886573.0	1.636986	Y
5	ICIS 460-962246/2	10.0	14.565681	8.0	934782.0	1.456568	Y
6	STD16 460-962246/4	16.0	25.087446	8.0	906035.0	1.567965	Y
7	STD24 460-962246/3	24.0	35.777891	8.0	868203.0	1.490745	Y



Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

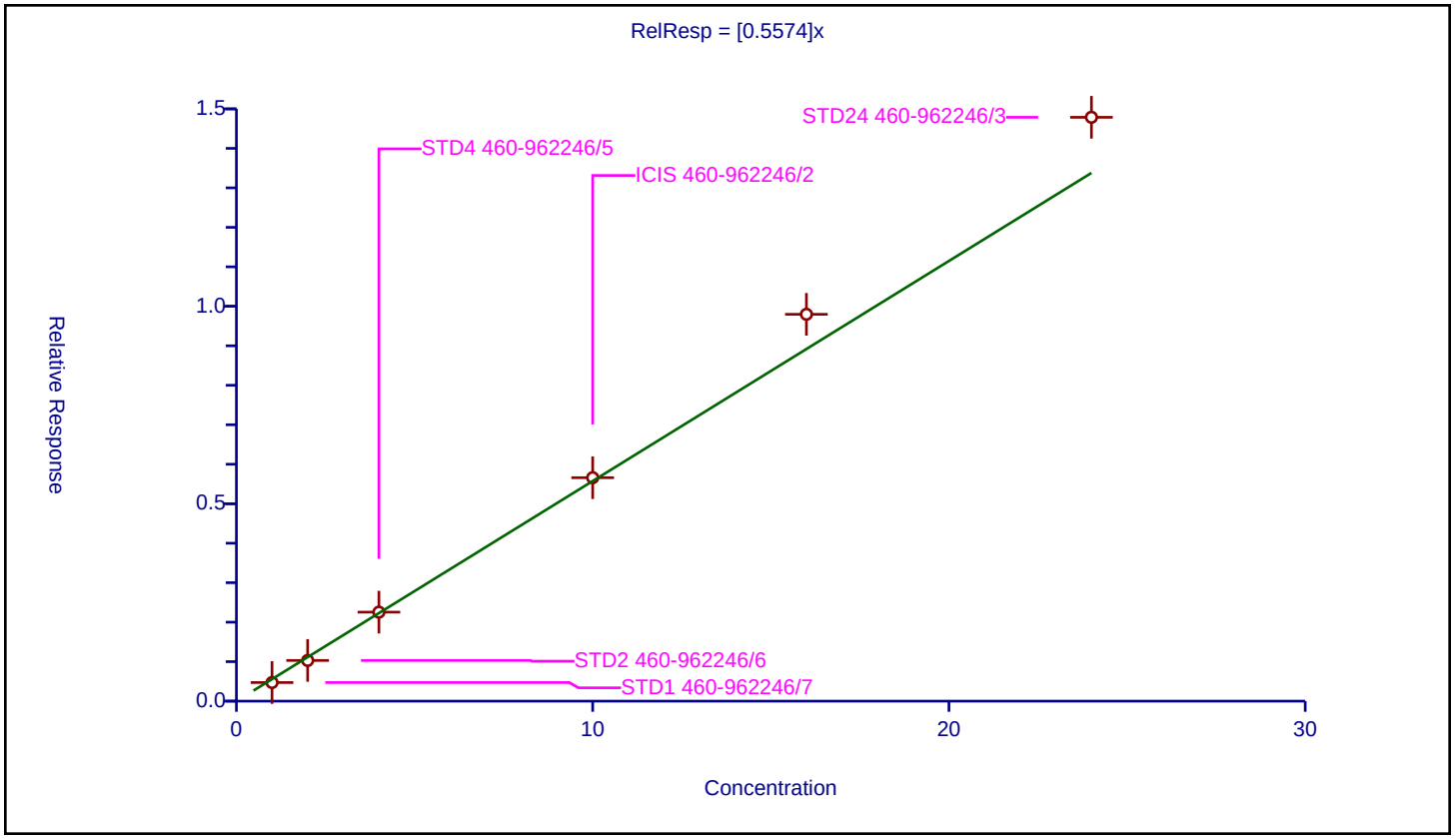
Curve Coefficients

Intercept:	0
Slope:	0.5574

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.471228	8.0	924036.0	0.471228	Y
2	STD2 460-962246/6	2.0	1.030342	8.0	939750.0	0.515171	Y
3	STD4 460-962246/5	4.0	2.254217	8.0	886573.0	0.563554	Y
4	ICIS 460-962246/2	10.0	5.659459	8.0	934782.0	0.565946	Y
5	STD16 460-962246/4	16.0	9.798006	8.0	906035.0	0.612375	Y
6	STD24 460-962246/3	24.0	14.787104	8.0	868203.0	0.616129	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

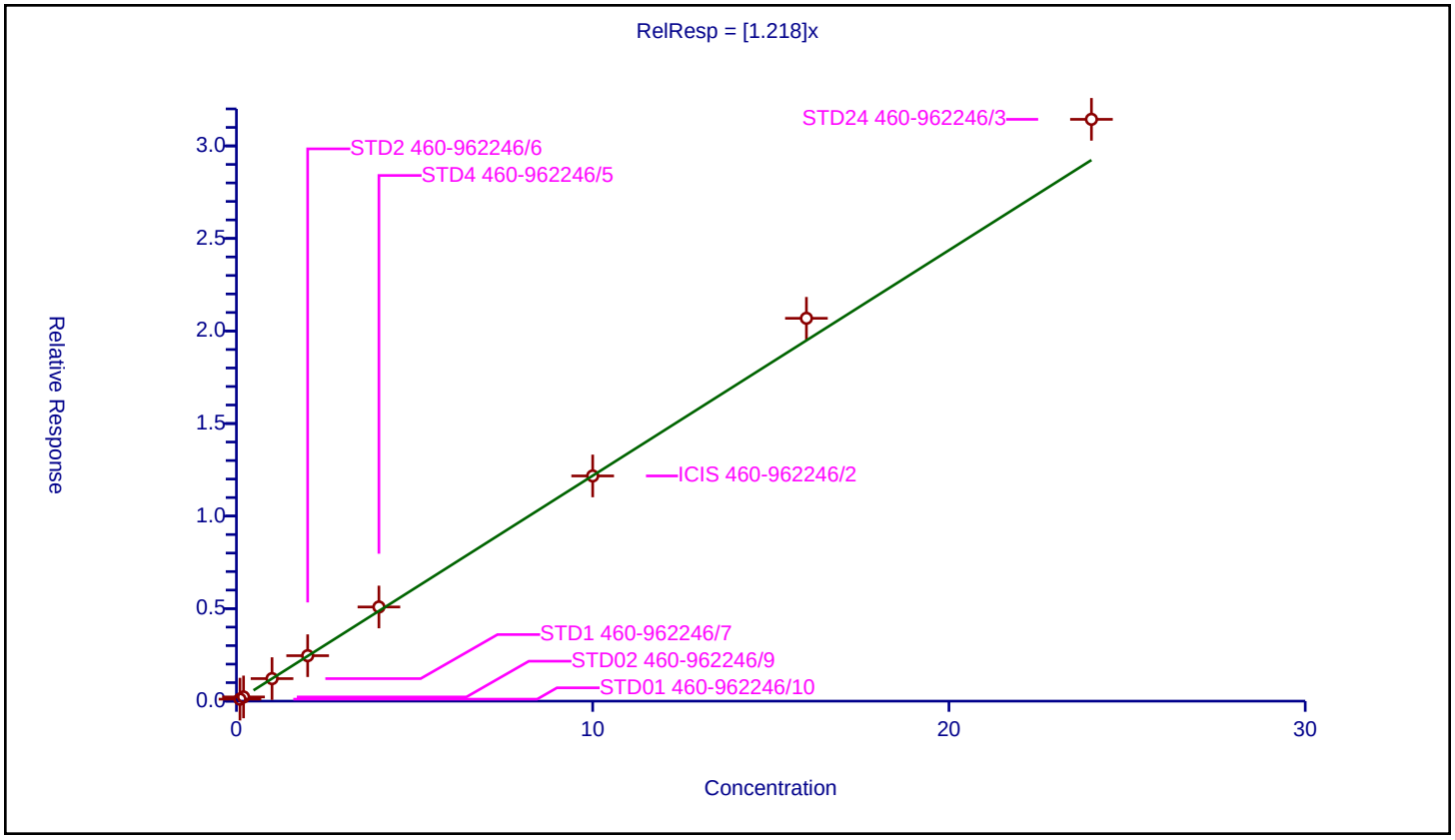
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.107736	8.0	870425.0	1.077359	Y
2	STD02 460-962246/9	0.2	0.226483	8.0	921501.0	1.132413	Y
3	STD1 460-962246/7	1.0	1.216888	8.0	924036.0	1.216888	Y
4	STD2 460-962246/6	2.0	2.455351	8.0	939750.0	1.227675	Y
5	STD4 460-962246/5	4.0	5.087346	8.0	886573.0	1.271837	Y
6	ICIS 460-962246/2	10.0	12.167474	8.0	934782.0	1.216747	Y
7	STD16 460-962246/4	16.0	20.686653	8.0	906035.0	1.292916	Y
8	STD24 460-962246/3	24.0	31.436215	8.0	868203.0	1.309842	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

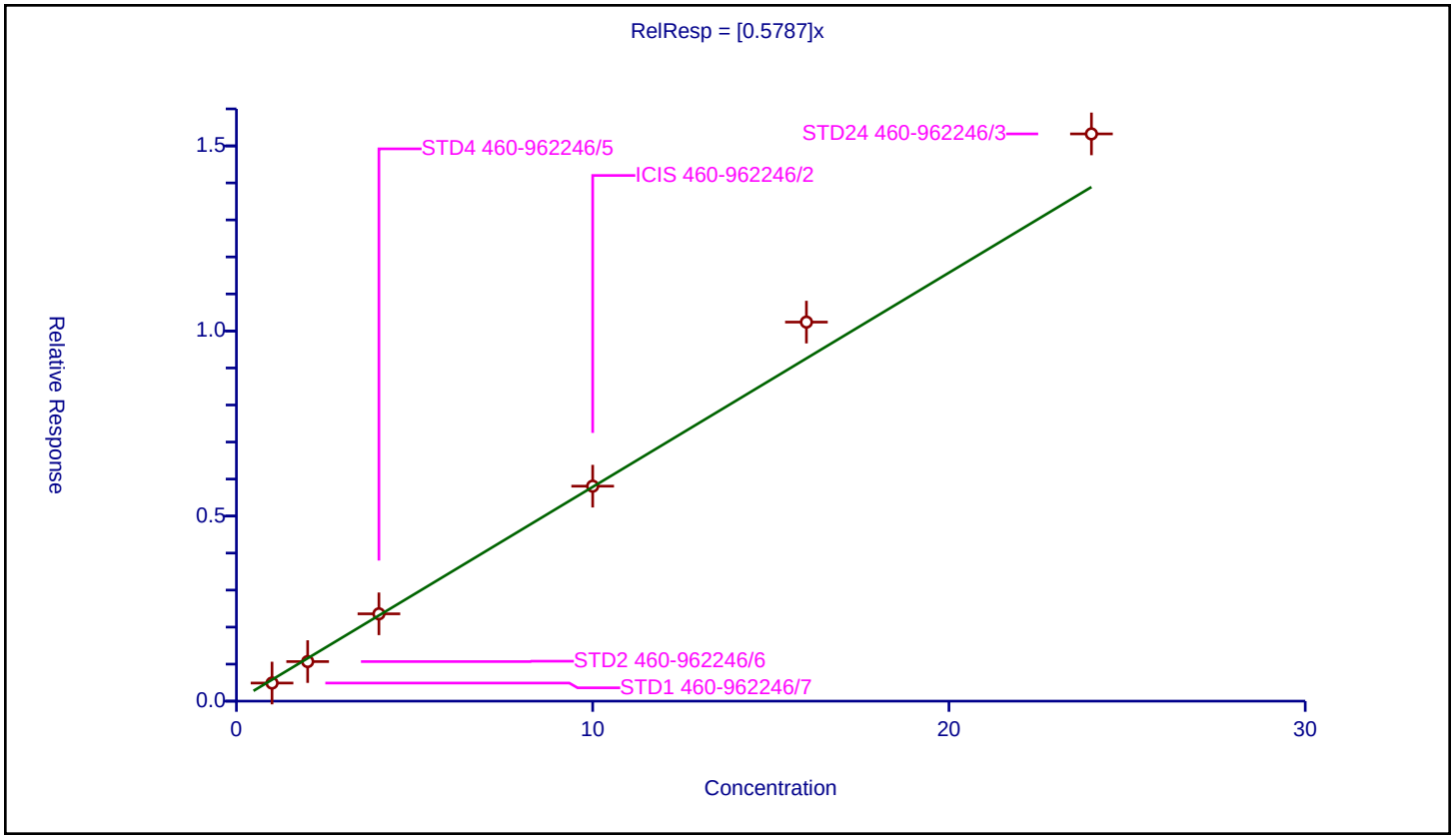
Curve Coefficients

Intercept:	0
Slope:	0.5787

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.4887	8.0	924036.0	0.4887	Y
2	STD2 460-962246/6	2.0	1.069144	8.0	939750.0	0.534572	Y
3	STD4 460-962246/5	4.0	2.358944	8.0	886573.0	0.589736	Y
4	ICIS 460-962246/2	10.0	5.808037	8.0	934782.0	0.580804	Y
5	STD16 460-962246/4	16.0	10.240099	8.0	906035.0	0.640006	Y
6	STD24 460-962246/3	24.0	15.324186	8.0	868203.0	0.638508	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

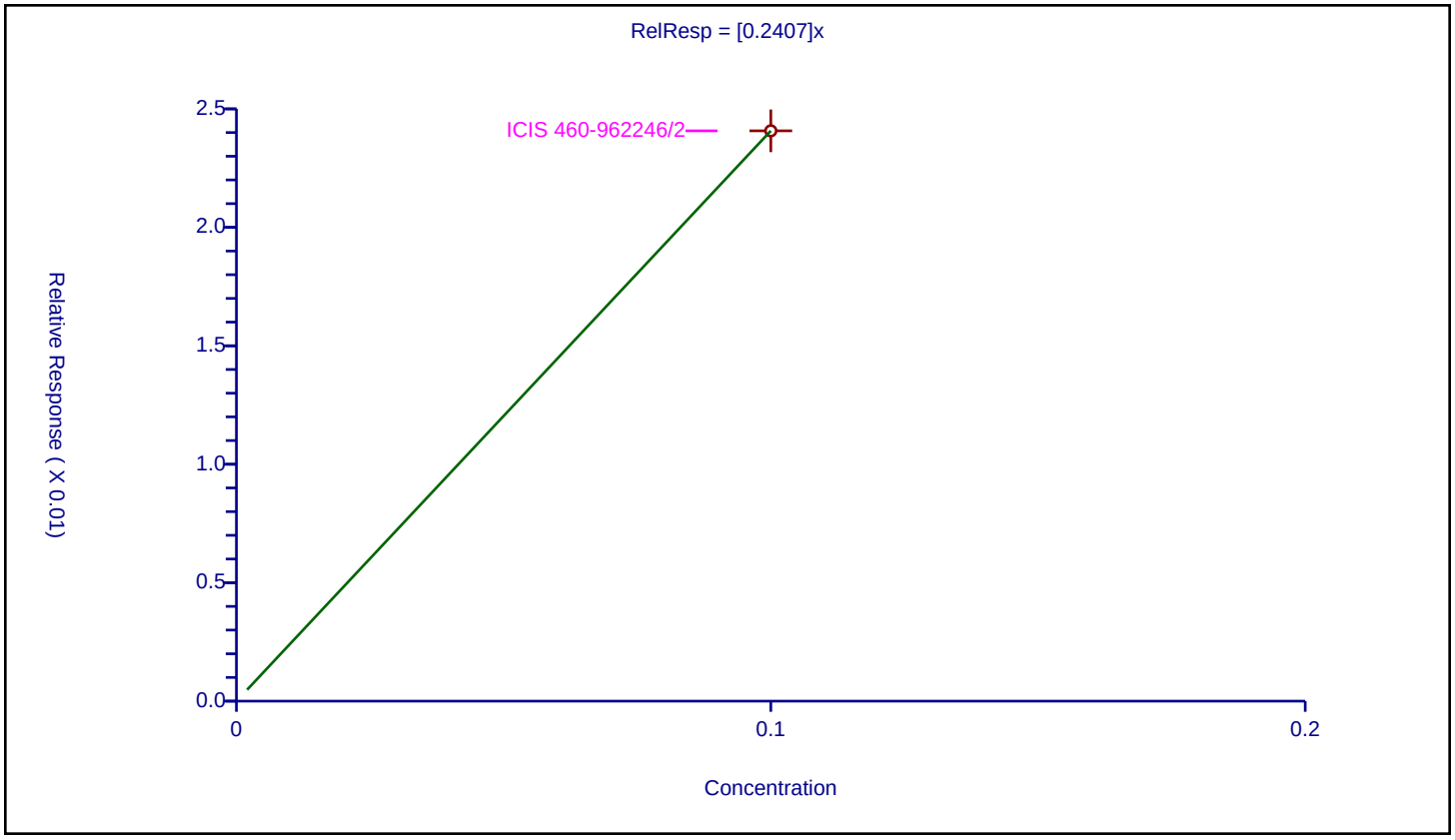
Curve Coefficients

Intercept:	0
Slope:	0.2407

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-962246/2	0.1	0.024074	8.0	934782.0	0.240741	Y



Calibration / Carbamazepine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

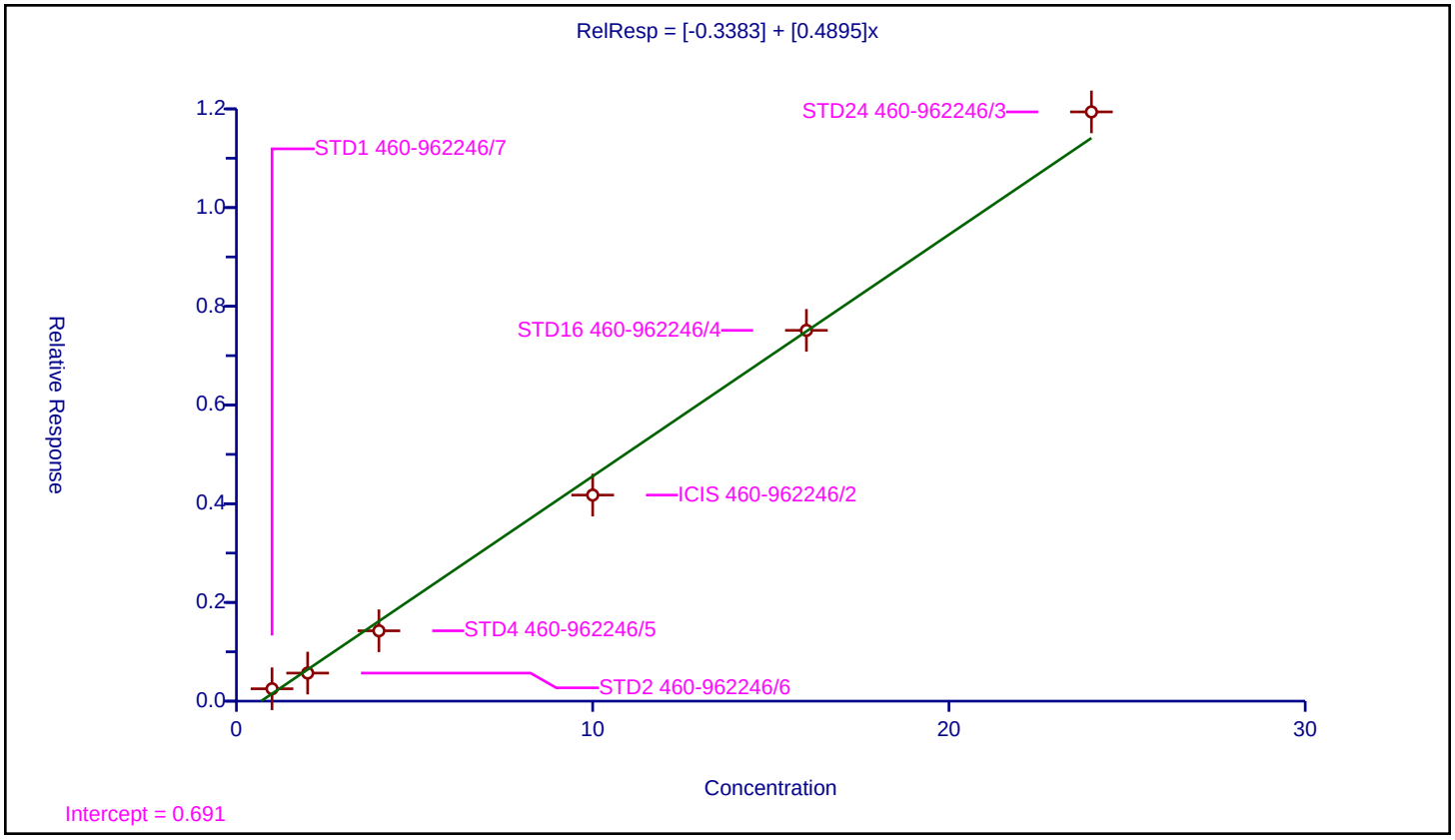
Curve Coefficients

Intercept:	-0.3383
Slope:	0.4895

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.250683	8.0	924036.0	0.250683	Y
2	STD2 460-962246/6	2.0	0.568764	8.0	939750.0	0.284382	Y
3	STD4 460-962246/5	4.0	1.425236	8.0	886573.0	0.356309	Y
4	ICIS 460-962246/2	10.0	4.175117	8.0	934782.0	0.417512	Y
5	STD16 460-962246/4	16.0	7.512964	8.0	906035.0	0.46956	Y
6	STD24 460-962246/3	24.0	11.938784	8.0	868203.0	0.497449	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

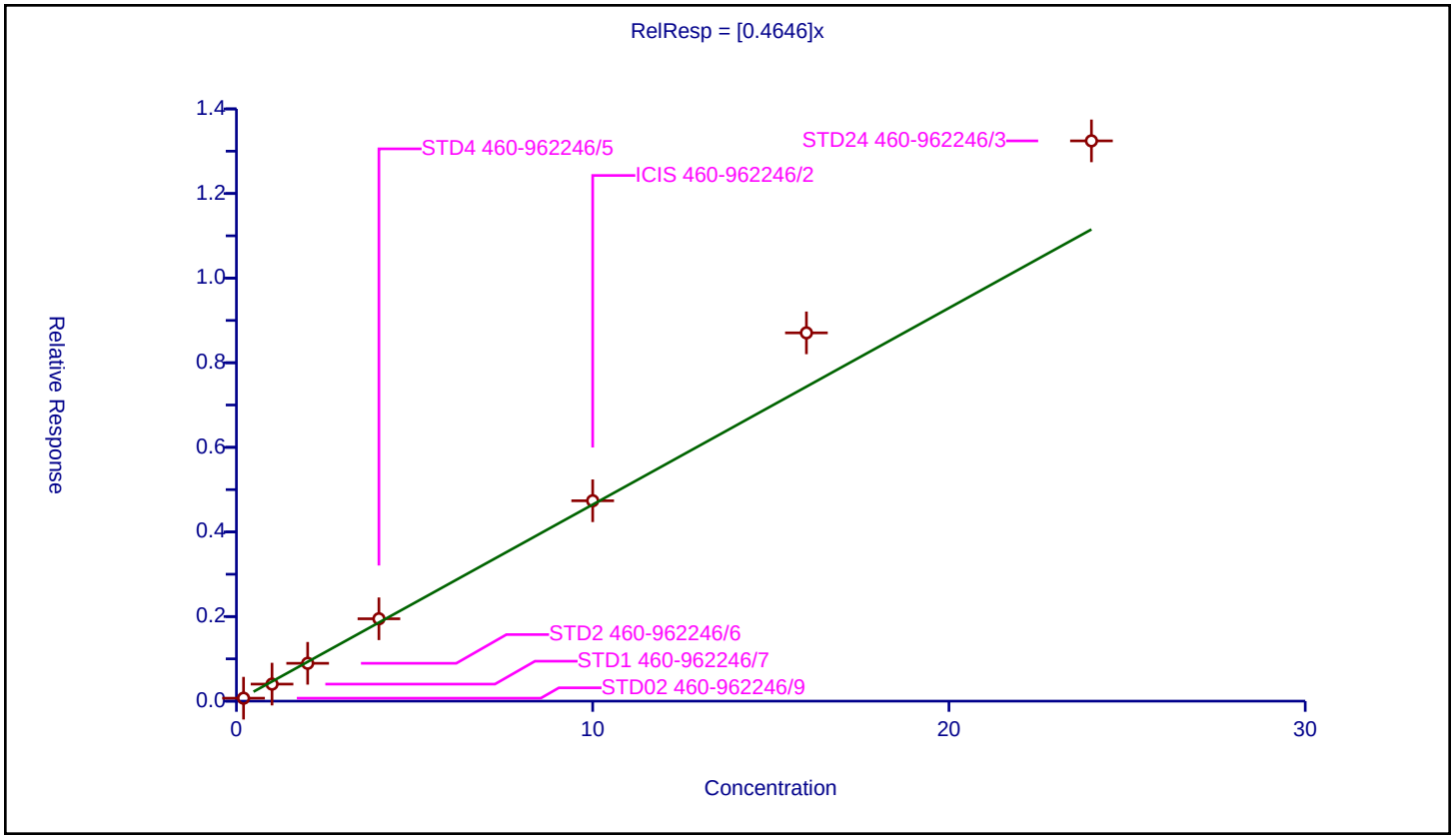
Curve Coefficients

Intercept:	0
Slope:	0.4646

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.069296	8.0	921501.0	0.346478	Y
2	STD1 460-962246/7	1.0	0.402512	8.0	924036.0	0.402512	Y
3	STD2 460-962246/6	2.0	0.894314	8.0	939750.0	0.447157	Y
4	STD4 460-962246/5	4.0	1.946759	8.0	886573.0	0.48669	Y
5	ICIS 460-962246/2	10.0	4.736925	8.0	934782.0	0.473692	Y
6	STD16 460-962246/4	16.0	8.705447	8.0	906035.0	0.54409	Y
7	STD24 460-962246/3	24.0	13.243723	8.0	868203.0	0.551822	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

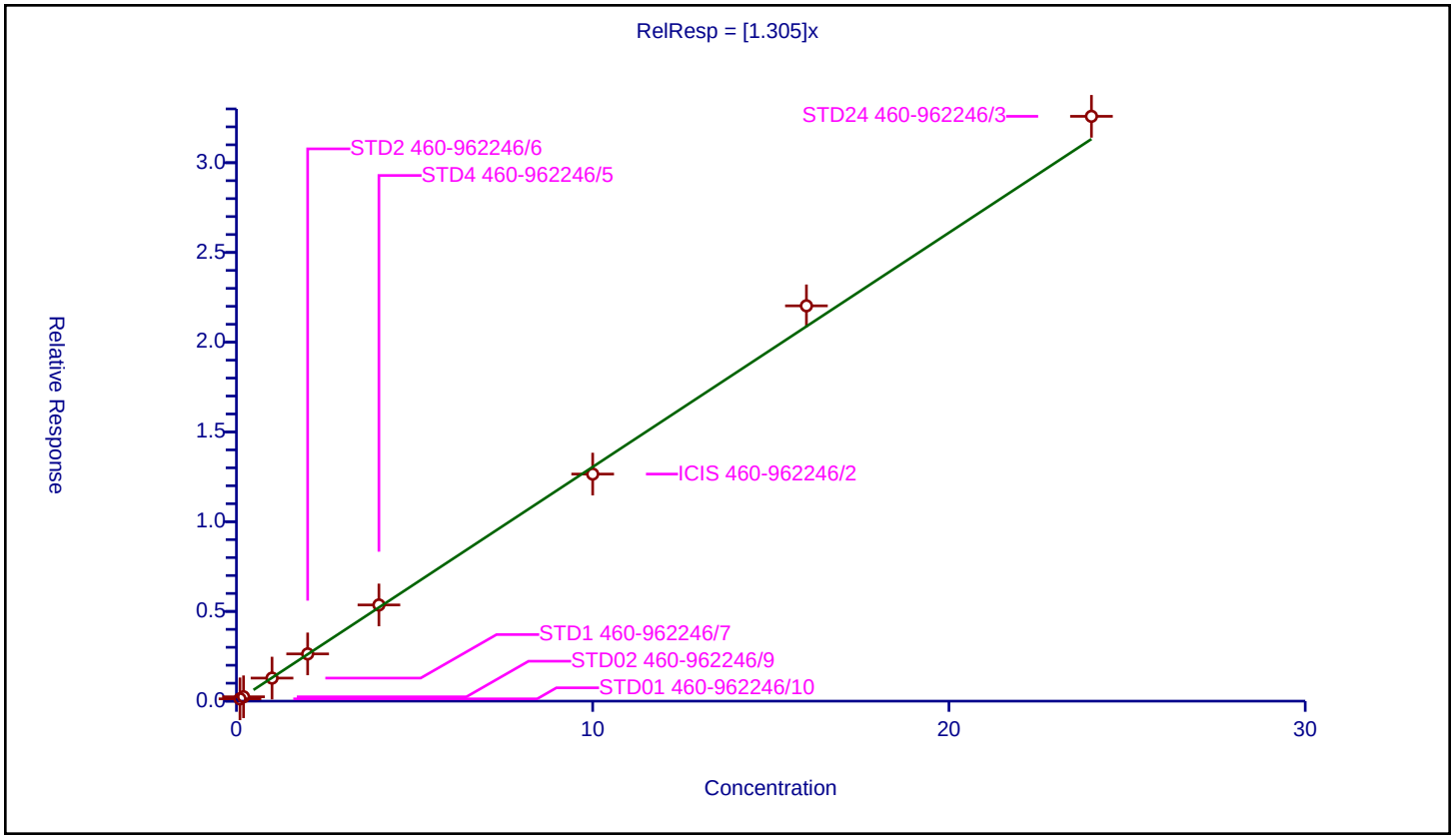
Curve Coefficients

Intercept:	0
Slope:	1.305

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.128535	8.0	870425.0	1.285349	Y
2	STD02 460-962246/9	0.2	0.242969	8.0	921501.0	1.214844	Y
3	STD1 460-962246/7	1.0	1.284175	8.0	924036.0	1.284175	Y
4	STD2 460-962246/6	2.0	2.63213	8.0	939750.0	1.316065	Y
5	STD4 460-962246/5	4.0	5.360127	8.0	886573.0	1.340032	Y
6	ICIS 460-962246/2	10.0	12.652079	8.0	934782.0	1.265208	Y
7	STD16 460-962246/4	16.0	22.02707	8.0	906035.0	1.376692	Y
8	STD24 460-962246/3	24.0	32.585697	8.0	868203.0	1.357737	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

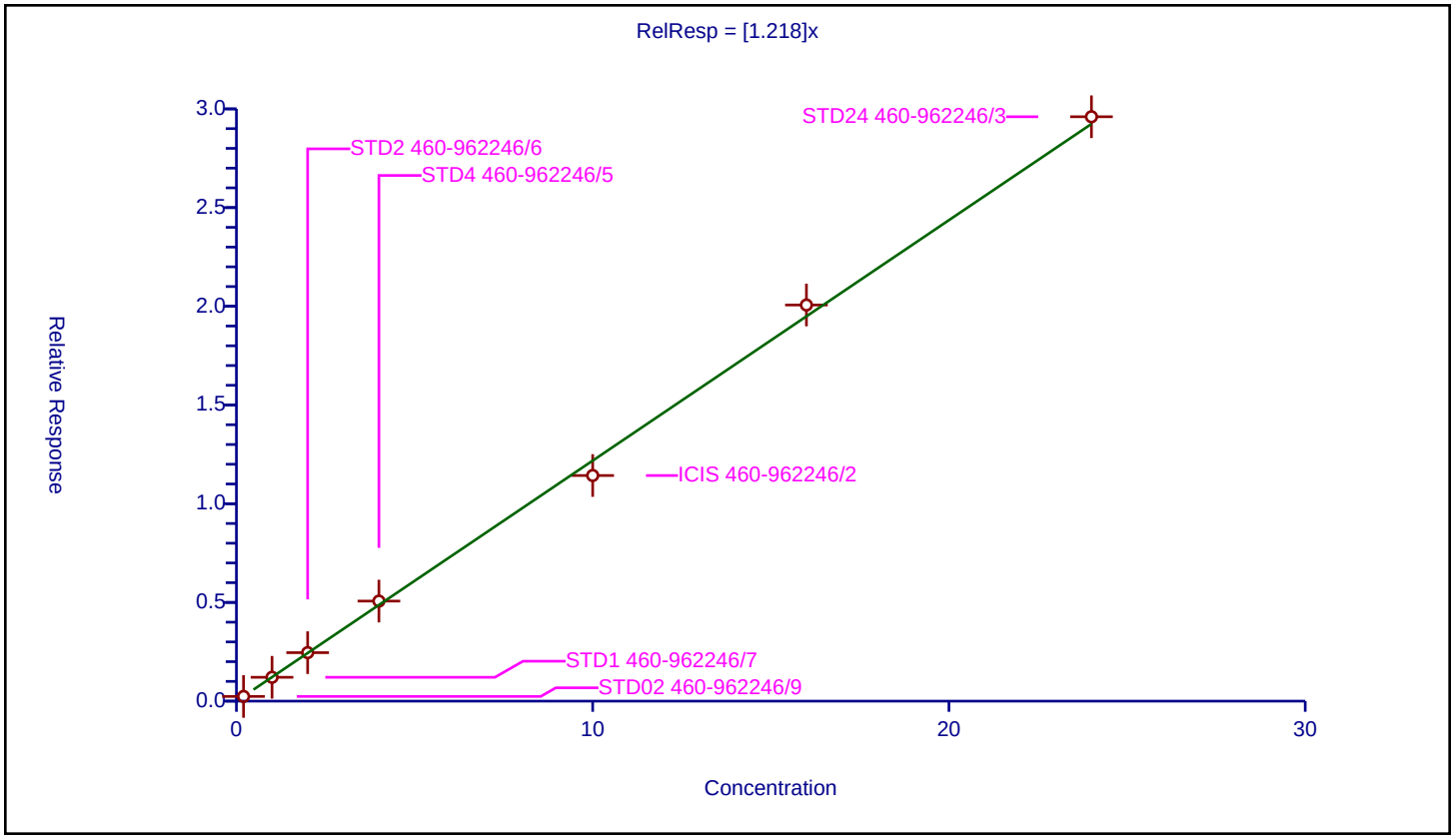
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.238715	8.0	921501.0	1.193574	Y
2	STD1 460-962246/7	1.0	1.208074	8.0	924036.0	1.208074	Y
3	STD2 460-962246/6	2.0	2.45667	8.0	939750.0	1.228335	Y
4	STD4 460-962246/5	4.0	5.068478	8.0	886573.0	1.26712	Y
5	ICIS 460-962246/2	10.0	11.429326	8.0	934782.0	1.142933	Y
6	STD16 460-962246/4	16.0	20.066077	8.0	906035.0	1.25413	Y
7	STD24 460-962246/3	24.0	29.601492	8.0	868203.0	1.233395	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

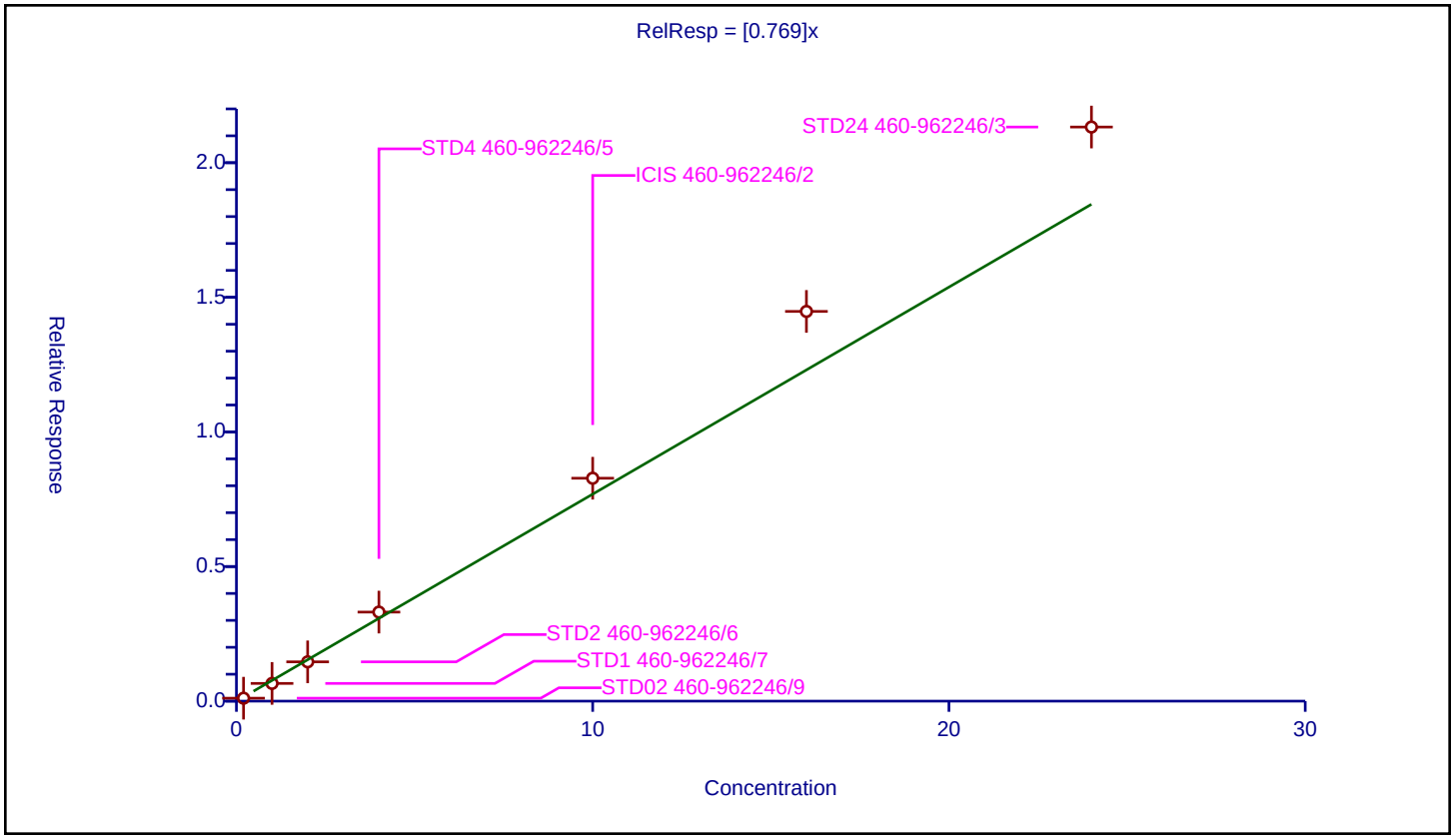
Curve Coefficients

Intercept:	0
Slope:	0.769

Error Coefficients

Relative Standard Deviation:	17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.109317	8.0	921501.0	0.546586	Y
2	STD1 460-962246/7	1.0	0.658061	8.0	924036.0	0.658061	Y
3	STD2 460-962246/6	2.0	1.459495	8.0	939750.0	0.729747	Y
4	STD4 460-962246/5	4.0	3.308307	8.0	886573.0	0.827077	Y
5	ICIS 460-962246/2	10.0	8.28063	8.0	934782.0	0.828063	Y
6	STD16 460-962246/4	16.0	14.476756	8.0	906035.0	0.904797	Y
7	STD24 460-962246/3	24.0	21.326137	8.0	868203.0	0.888589	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

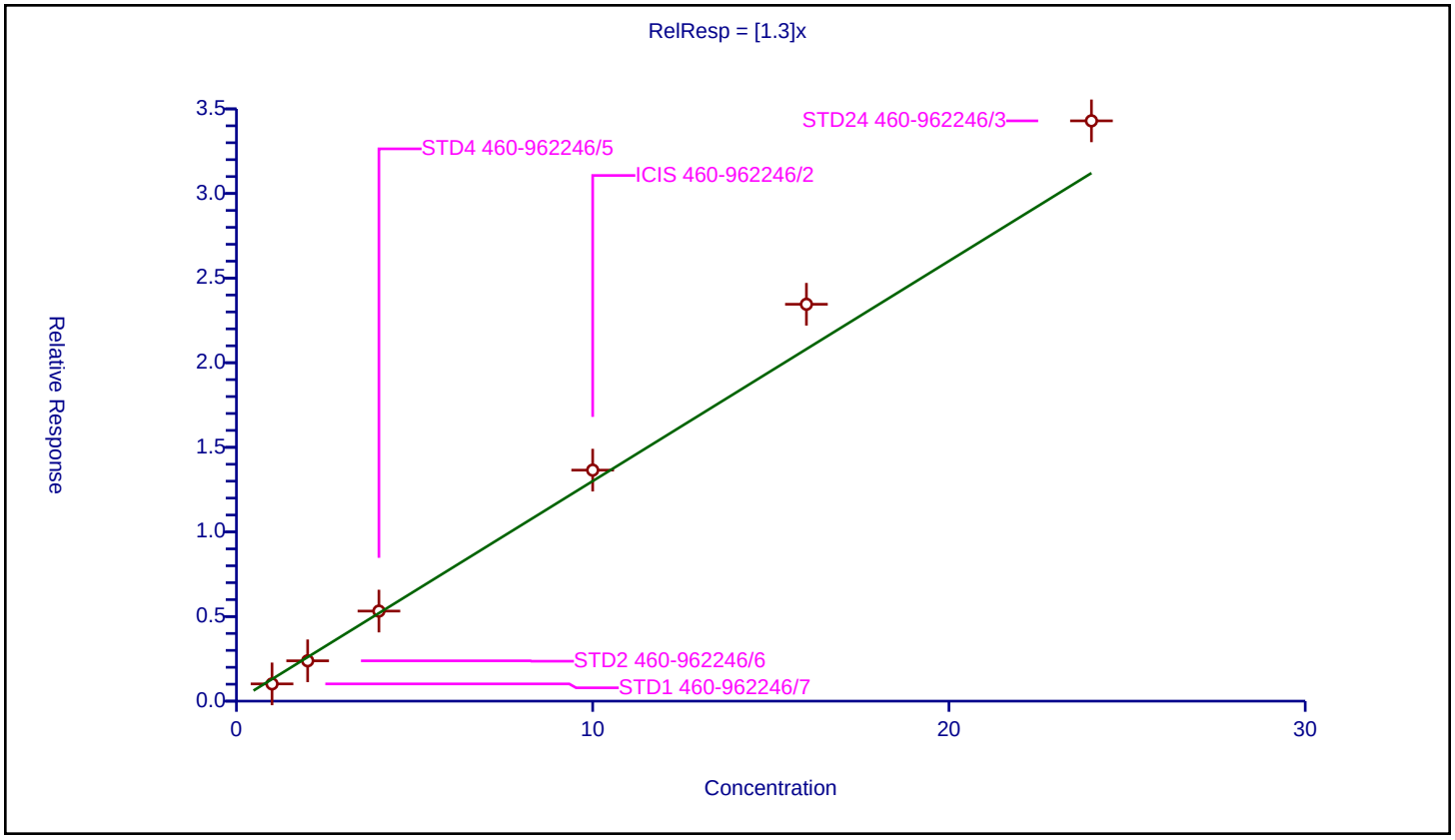
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.019235	8.0	893462.0	1.019235	Y
2	STD2 460-962246/6	2.0	2.384435	8.0	908945.0	1.192217	Y
3	STD4 460-962246/5	4.0	5.322812	8.0	877990.0	1.330703	Y
4	ICIS 460-962246/2	10.0	13.651458	8.0	948919.0	1.365146	Y
5	STD16 460-962246/4	16.0	23.454473	8.0	921545.0	1.465905	Y
6	STD24 460-962246/3	24.0	34.292724	8.0	898477.0	1.428864	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

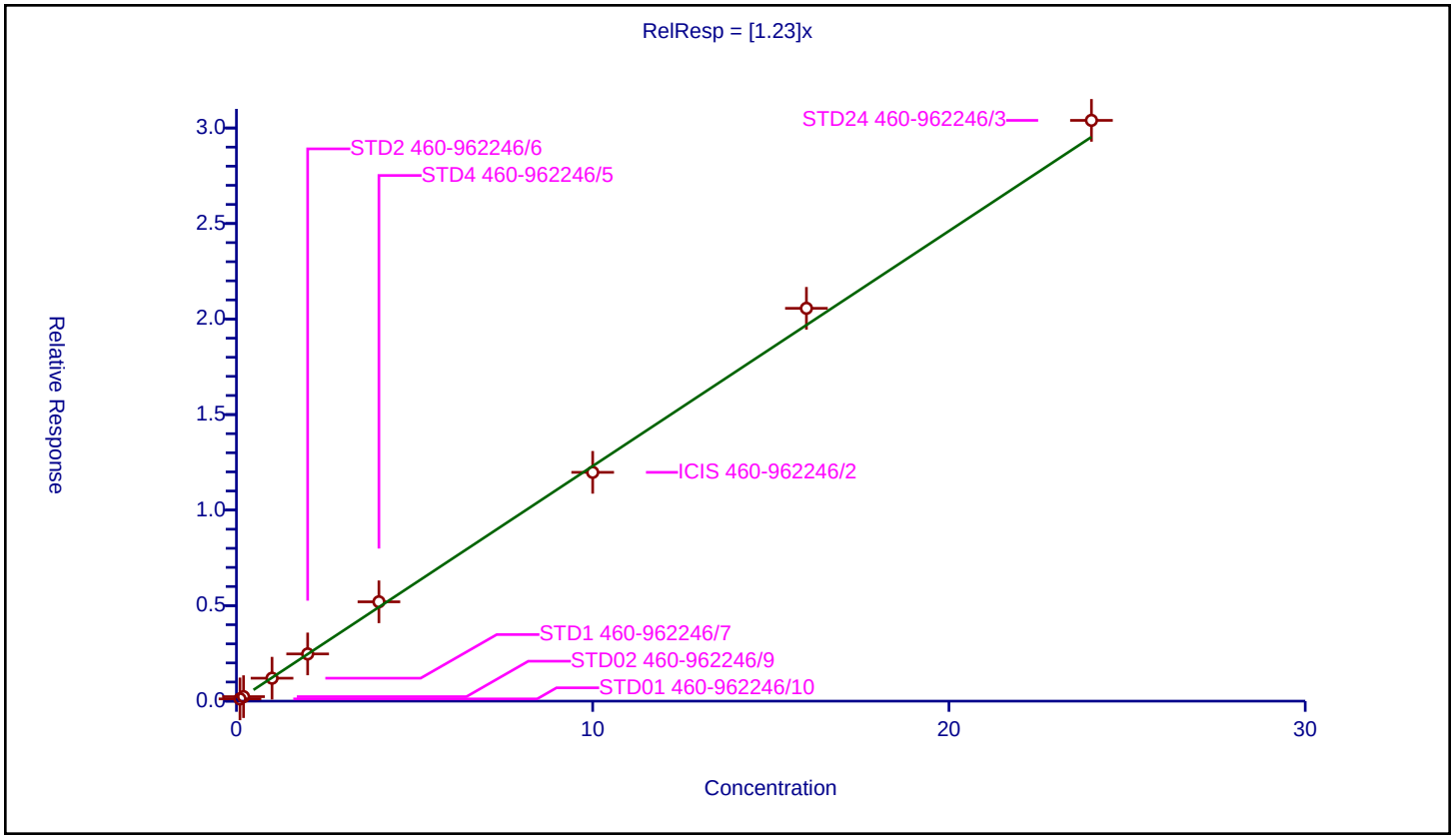
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.118113	8.0	853625.0	1.181128	Y
2	STD02 460-962246/9	0.2	0.235303	8.0	878017.0	1.176515	Y
3	STD1 460-962246/7	1.0	1.201054	8.0	893462.0	1.201054	Y
4	STD2 460-962246/6	2.0	2.470812	8.0	908945.0	1.235406	Y
5	STD4 460-962246/5	4.0	5.198738	8.0	877990.0	1.299685	Y
6	ICIS 460-962246/2	10.0	11.976457	8.0	948919.0	1.197646	Y
7	STD16 460-962246/4	16.0	20.561705	8.0	921545.0	1.285107	Y
8	STD24 460-962246/3	24.0	30.398588	8.0	898477.0	1.266608	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

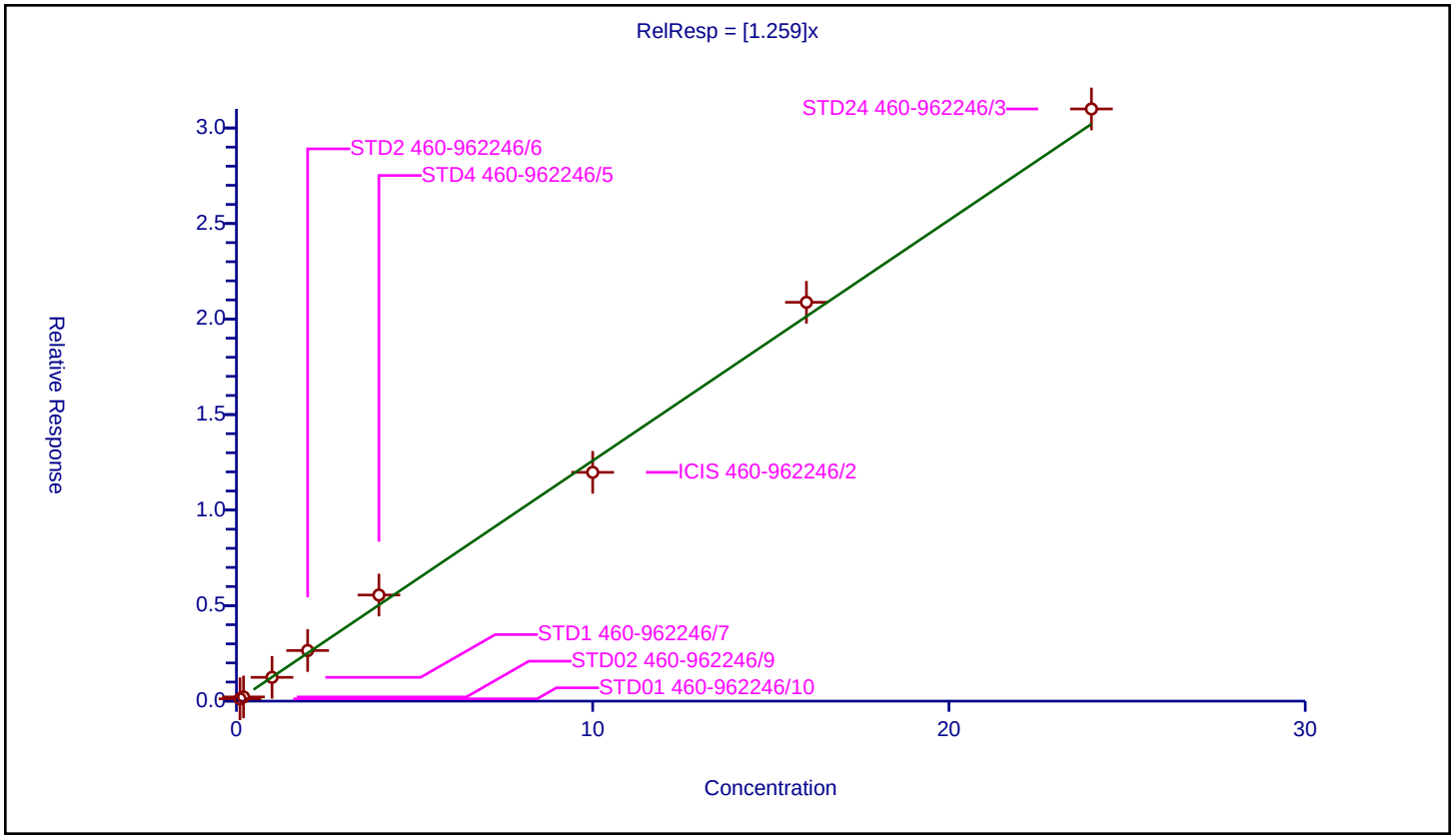
Curve Coefficients

Intercept:	0
Slope:	1.259

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.121946	8.0	853625.0	1.219458	Y
2	STD02 460-962246/9	0.2	0.21934	8.0	878017.0	1.096699	Y
3	STD1 460-962246/7	1.0	1.245788	8.0	893462.0	1.245788	Y
4	STD2 460-962246/6	2.0	2.649032	8.0	908945.0	1.324516	Y
5	STD4 460-962246/5	4.0	5.554141	8.0	877990.0	1.388535	Y
6	ICIS 460-962246/2	10.0	11.976145	8.0	948919.0	1.197615	Y
7	STD16 460-962246/4	16.0	20.877453	8.0	921545.0	1.304841	Y
8	STD24 460-962246/3	24.0	30.997575	8.0	898477.0	1.291566	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

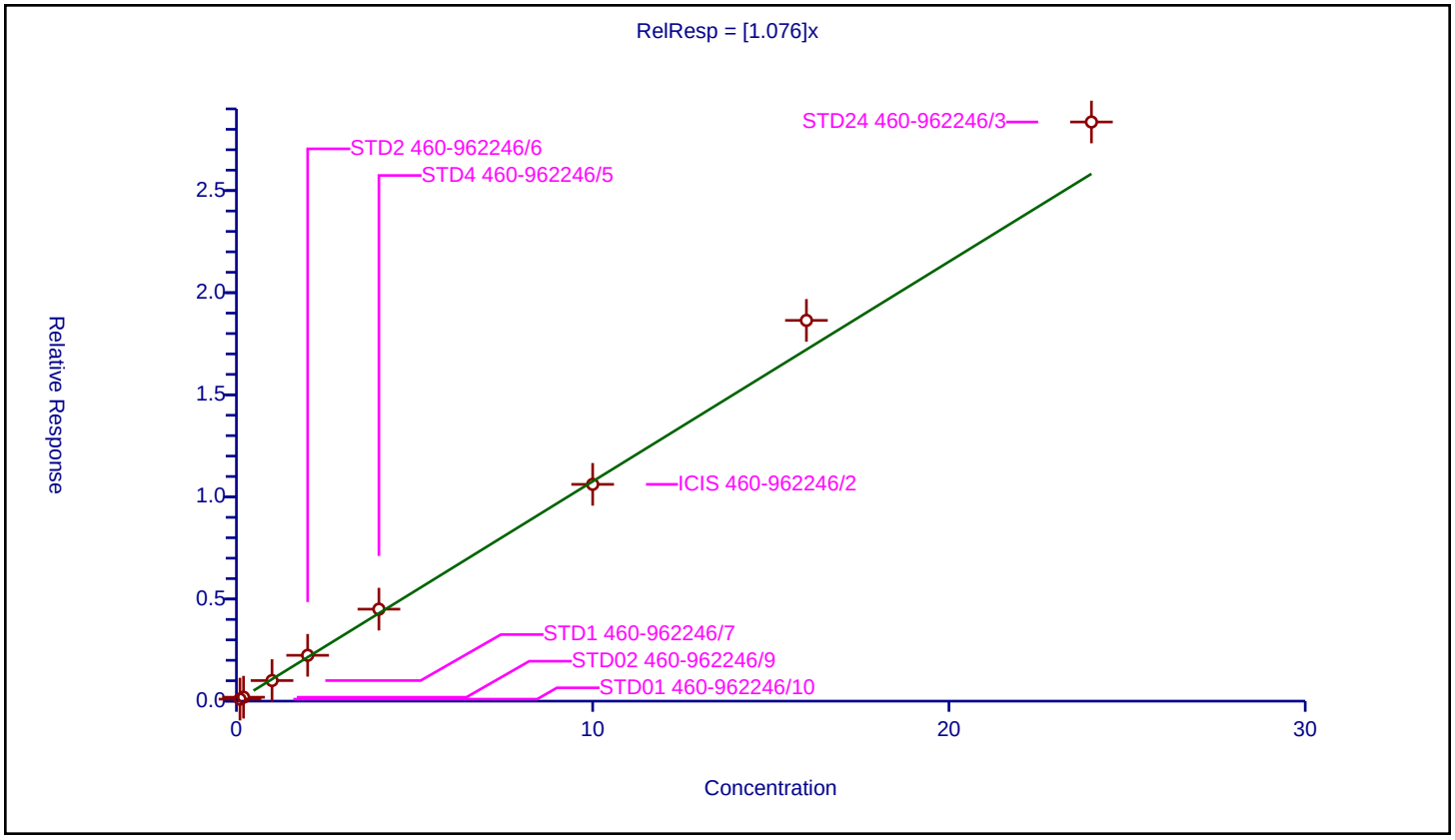
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.097963	8.0	853625.0	0.979634	Y
2	STD02 460-962246/9	0.2	0.192607	8.0	878017.0	0.963034	Y
3	STD1 460-962246/7	1.0	1.007846	8.0	893462.0	1.007846	Y
4	STD2 460-962246/6	2.0	2.243999	8.0	908945.0	1.122	Y
5	STD4 460-962246/5	4.0	4.50427	8.0	877990.0	1.126067	Y
6	ICIS 460-962246/2	10.0	10.615178	8.0	948919.0	1.061518	Y
7	STD16 460-962246/4	16.0	18.643326	8.0	921545.0	1.165208	Y
8	STD24 460-962246/3	24.0	28.358585	8.0	898477.0	1.181608	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

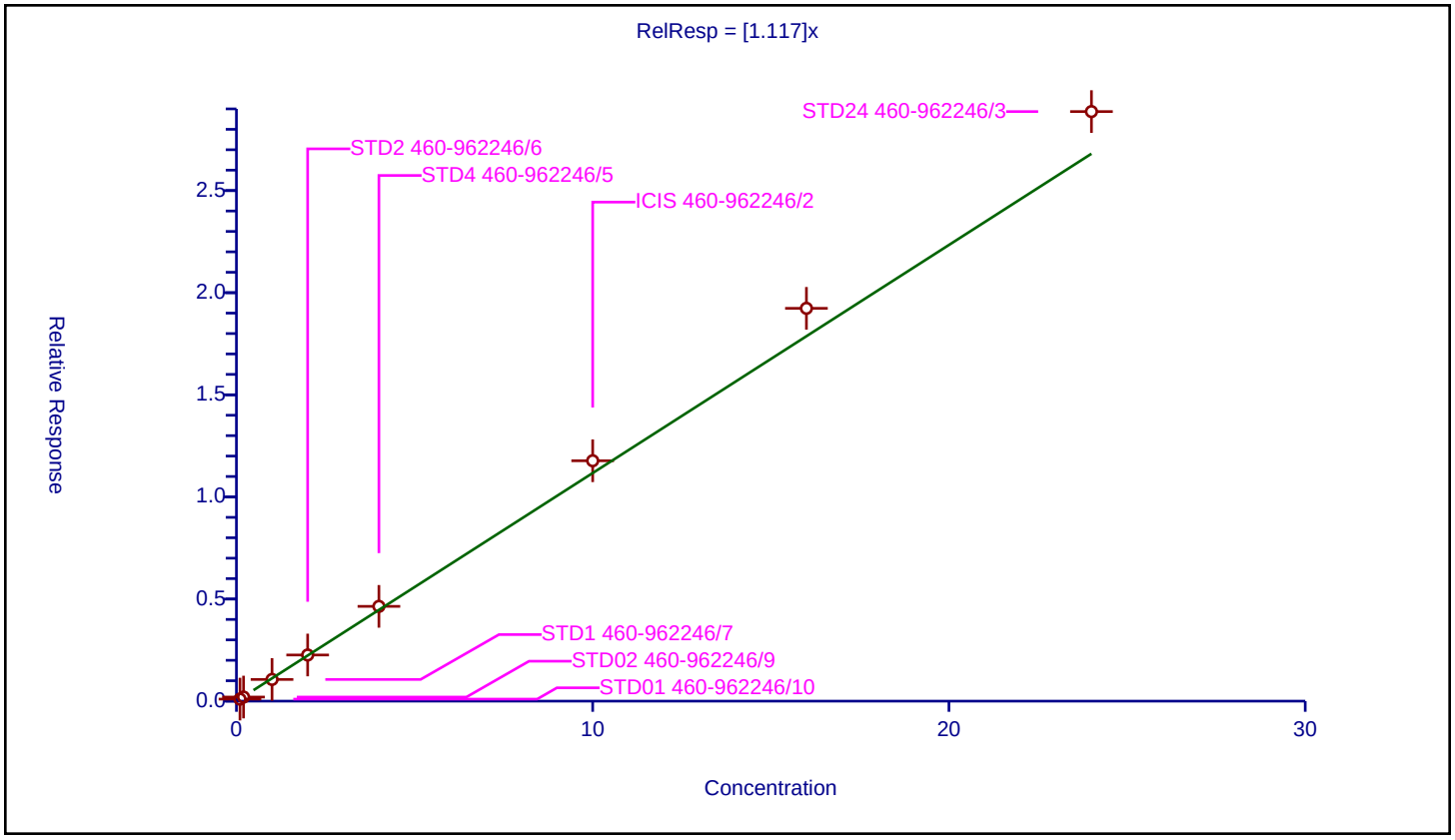
Curve Coefficients

Intercept:	0
Slope:	1.117

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.099875	8.0	853625.0	0.998752	Y
2	STD02 460-962246/9	0.2	0.200288	8.0	878017.0	1.001438	Y
3	STD1 460-962246/7	1.0	1.062026	8.0	893462.0	1.062026	Y
4	STD2 460-962246/6	2.0	2.260053	8.0	908945.0	1.130027	Y
5	STD4 460-962246/5	4.0	4.641447	8.0	877990.0	1.160362	Y
6	ICIS 460-962246/2	10.0	11.771112	8.0	948919.0	1.177111	Y
7	STD16 460-962246/4	16.0	19.234707	8.0	921545.0	1.202169	Y
8	STD24 460-962246/3	24.0	28.868256	8.0	898477.0	1.202844	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

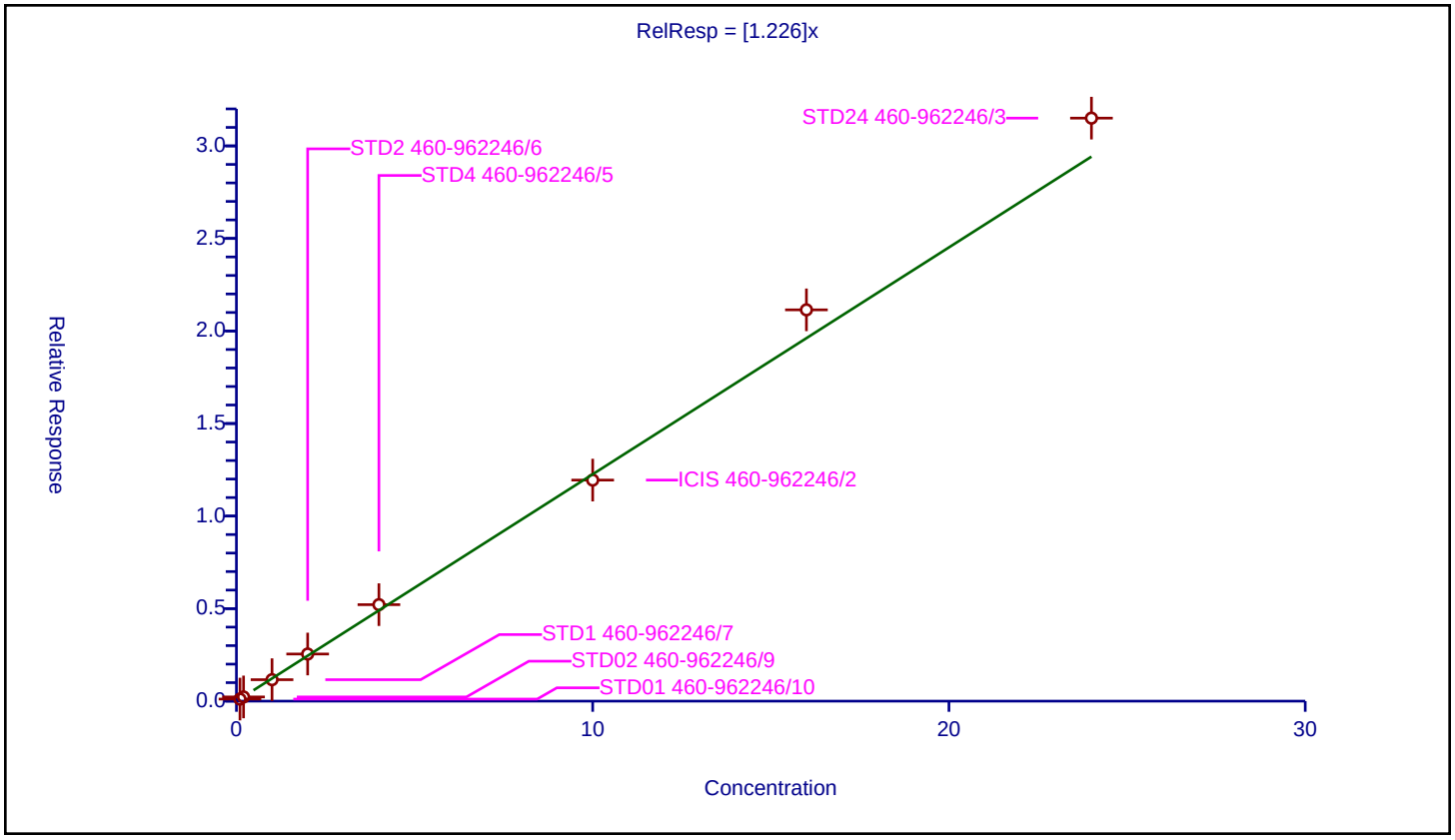
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.110925	8.0	853625.0	1.109246	Y
2	STD02 460-962246/9	0.2	0.226583	8.0	878017.0	1.132917	Y
3	STD1 460-962246/7	1.0	1.159749	8.0	893462.0	1.159749	Y
4	STD2 460-962246/6	2.0	2.546909	8.0	908945.0	1.273454	Y
5	STD4 460-962246/5	4.0	5.212342	8.0	877990.0	1.303085	Y
6	ICIS 460-962246/2	10.0	11.943384	8.0	948919.0	1.194338	Y
7	STD16 460-962246/4	16.0	21.142034	8.0	921545.0	1.321377	Y
8	STD24 460-962246/3	24.0	31.500248	8.0	898477.0	1.31251	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

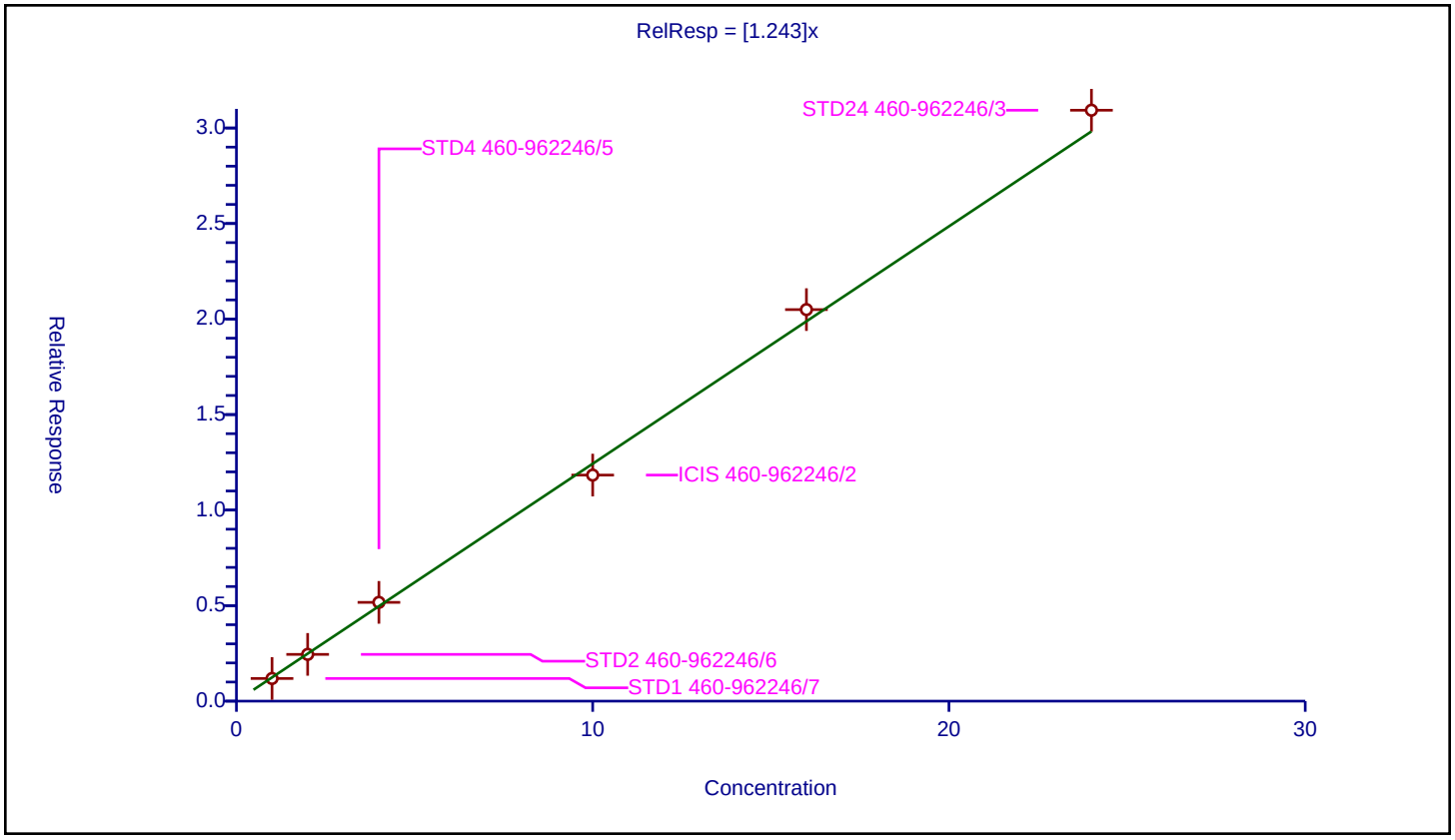
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.186316	8.0	893462.0	1.186316	Y
2	STD2 460-962246/6	2.0	2.447268	8.0	908945.0	1.223634	Y
3	STD4 460-962246/5	4.0	5.170592	8.0	877990.0	1.292648	Y
4	ICIS 460-962246/2	10.0	11.832336	8.0	948919.0	1.183234	Y
5	STD16 460-962246/4	16.0	20.494148	8.0	921545.0	1.280884	Y
6	STD24 460-962246/3	24.0	30.930466	8.0	898477.0	1.288769	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 | Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5636		10200	10000	2.0	30.0
N-Nitrosodimethylamine	Ave	0.8383	0.8471		10100	10000	1.1	30.0
Pyridine	Ave	1.297	1.400		21600	20000	8.0	30.0
Benzaldehyde	Ave	0.9786	1.015	0.0100	4150	4000	3.7	30.0
Aniline	Ave	1.835	1.977		10800	10000	7.7	30.0
Phenol	Ave	1.744	1.803	0.8000	10300	10000	3.4	30.0
Bis(2-chloroethyl)ether	Ave	1.349	1.401	0.7000	10400	10000	3.9	30.0
2-Chlorophenol	Ave	1.419	1.492	0.8000	10500	10000	5.1	30.0
n-Decane	Ave	1.148	1.172		10200	10000	2.1	30.0
1,3-Dichlorobenzene	Ave	1.617	1.681		10400	10000	4.0	30.0
1,4-Dichlorobenzene	Ave	1.648	1.728		10500	10000	4.9	30.0
Benzyl alcohol	Ave	0.9039	0.9492		10500	10000	5.0	30.0
1,2-Dichlorobenzene	Ave	1.563	1.658	0.0100	10600	10000	6.1	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.445	0.0100	10100	10000	0.6	30.0
2-Methylphenol	Ave	1.252	1.342	0.7000	10700	10000	7.2	30.0
N-Methylaniline	Ave	1.988	2.150		10800	10000	8.1	30.0
Acetophenone	Ave	1.953	2.115	0.0100	10800	10000	8.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.9735	0.5000	11100	10000	10.6	30.0
3 & 4 Methylphenol	Ave	1.340	1.403		10500	10000	4.7	30.0
4-Methylphenol	Ave	1.340	1.397	0.6000	10400	10000	4.3	30.0
Hexachloroethane	Ave	0.5615	0.6067	0.3000	10800	10000	8.1	30.0
n,n'-Dimethylaniline	Ave	2.174	2.205		10100	10000	1.4	30.0
Nitrobenzene	Ave	0.6991	0.7638	0.2000	10900	10000	9.2	30.0
Isophorone	Ave	0.5969	0.6471	0.4000	10800	10000	8.4	30.0
2-Nitrophenol	Ave	0.1930	0.2078	0.1000	10800	10000	7.7	30.0
2,4-Dimethylphenol	Ave	0.2954	0.3220	0.2000	10900	10000	9.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.4419	0.3000	10600	10000	6.4	30.0
Benzoic acid	Ave	0.1909	0.1995		10400	10000	4.5	30.0
2,4-Dichlorophenol	Ave	0.2977	0.3254	0.2000	10900	10000	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3645		10800	10000	8.1	30.0
Naphthalene	Ave	1.094	1.180	0.7000	10800	10000	7.9	30.0
4-Chloroaniline	Ave	0.3970	0.4510	0.0100	11400	10000	13.6	30.0
Hexachlorobutadiene	Ave	0.1859	0.2010	0.0100	10800	10000	8.1	30.0
Caprolactam	Lin2		0.0781	0.0100	4070	4000	1.8	30.0
4-Chloro-3-methylphenol	Ave	0.2809	0.3015	0.2000	10700	10000	7.3	30.0
2-Methylnaphthalene	Ave	0.7045	0.7694	0.4000	10900	10000	9.2	30.0
1-Methylnaphthalene	Ave	0.6603	0.7041		10700	10000	6.6	30.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4437	0.0500	10600	10000	5.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6786	0.0100	10800	10000	8.1	30.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4360		10800	10000	8.3	30.0
2,4,6-Trichlorophenol	Ave	0.3890	0.4270	0.2000	11000	10000	9.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.4701	0.2000	11000	10000	9.8	30.0
1,1'-Biphenyl	Ave	1.655	1.755	0.0100	10600	10000	6.1	30.0
2-Chloronaphthalene	Ave	1.284	1.359	0.8000	10600	10000	5.8	30.0
Phenyl ether	Ave	0.8723	0.8847		10100	10000	1.4	30.0
2-Nitroaniline	Ave	0.2901	0.3101	0.0100	10700	10000	6.9	30.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9897		10100	10000	0.8	30.0
Dimethyl phthalate	Ave	1.350	1.400	0.0100	10400	10000	3.7	30.0
Coumarin	Ave	0.2266	0.2287		10100	10000	0.9	30.0
2,6-Dinitrotoluene	Ave	0.2845	0.3178	0.2000	11200	10000	11.7	30.0
Acenaphthylene	Ave	2.000	2.100	0.9000	10500	10000	5.0	30.0
3-Nitroaniline	Ave	0.3130	0.3336	0.0100	10700	10000	6.6	30.0
Acenaphthene	Ave	1.194	1.257	0.9000	10500	10000	5.3	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.140		10400	10000	3.8	30.0
2,4-Dinitrophenol	Ave	0.1813	0.2088	0.0100	23000	20000	15.2	30.0
2,4-Dinitrotoluene	Ave	0.3557	0.4110	0.2000	11600	10000	15.6	30.0
Dibenzofuran	Ave	1.788	1.883	0.8000	10500	10000	5.4	30.0
4-Nitrophenol	Ave	0.2051	0.2190	0.0100	21400	20000	6.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3719	0.0100	10900	10000	9.2	30.0
Diethyl phthalate	Ave	1.311	1.365	0.0100	10400	10000	4.1	30.0
Fluorene	Ave	1.412	1.477	0.9000	10500	10000	4.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.7306	0.4000	10600	10000	6.1	30.0
4-Nitroaniline	Ave	0.2811	0.2987	0.0100	10600	10000	6.3	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1498	0.0100	22600	20000	13.2	30.0
N-Nitrosodiphenylamine	Ave	0.5641	0.6042	0.0100	10700	10000	7.1	30.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7918		10800	10000	8.0	30.0
Azobenzene	Ave	0.7335	0.7917		10800	10000	7.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2498	0.1000	10700	10000	6.8	30.0
Hexachlorobenzene	Ave	0.2853	0.3155	0.1000	11100	10000	10.6	30.0
Atrazine	Ave	0.1718	0.1895	0.0100	4410	4000	10.3	30.0
Pentachloronitrobenzene	Ave	0.0895	0.0943	0.0100	10500	10000	5.4	30.0
Pentachlorophenol	Ave	0.1629	0.1847	0.0500	22700	20000	13.4	30.0
n-Octadecane	Ave	0.4575	0.4821		10500	10000	5.4	30.0
Phenanthrene	Ave	1.096	1.172	0.7000	10700	10000	6.9	30.0
Anthracene	Ave	1.105	1.189	0.7000	10800	10000	7.6	30.0
Carbazole	Ave	0.9530	1.019	0.0100	10700	10000	7.0	30.0
Di-n-butyl phthalate	Ave	1.115	1.212	0.0100	10900	10000	8.7	30.0
Fluoranthene	Ave	1.043	1.135	0.6000	10900	10000	8.9	30.0
Benzidine	Ave	0.4790	0.5199		10900	10000	8.5	30.0
Pyrene	Ave	1.542	1.660	0.6000	10800	10000	7.7	30.0
Bisphenol-A	Ave	0.5574	0.5879		10500	10000	5.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.6344	0.0100	11000	10000	9.6	30.0
Carbamazepine	Lin1		0.3835		8520	10000	-14.8	30.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.5131	0.0100	11000	10000	10.4	30.0
Benzo[a]anthracene	Ave	1.305	1.444	0.8000	11100	10000	10.7	30.0
Chrysene	Ave	1.218	1.358	0.7000	11100	10000	11.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8931	0.0100	11600	10000	16.1	30.0
Di-n-octyl phthalate	Ave	1.300	1.423	0.0100	10900	10000	9.4	30.0
Benzo[b]fluoranthene	Ave	1.230	1.355		11000	10000	10.1	30.0
Benzo[k]fluoranthene	Ave	1.259	1.376	0.7000	10900	10000	9.3	30.0
Benzo[a]pyrene	Ave	1.076	1.249	0.7000	11600	10000	16.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.238	0.5000	11100	10000	10.9	30.0
Dibenz(a,h)anthracene	Ave	1.226	1.326	0.4000	10800	10000	8.2	30.0
Benzo[g,h,i]perylene	Ave	1.243	1.312	0.5000	10600	10000	5.6	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 04-Mar-2024 17:44:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-011
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 07:38:34 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 05-Mar-2024 07:38:47

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.697	1.713	-0.016	91	237498	10.0	10.2	
	2 N-Nitrosodimethylamine	74	1.908	1.924	-0.016	95	356986	10.0	10.1	
	3 Pyridine	79	1.959	1.997	-0.038	97	1180177	20.0	21.6	
	5 Benzaldehyde	77	3.827	3.837	-0.010	95	171035	4.00	4.15	E
	8 Aniline	93	3.939	3.949	-0.010	97	832988	10.0	10.8	
	7 Phenol	94	3.965	3.975	-0.010	95	760019	10.0	10.3	
	9 Bis(2-chloroethyl)ether	93	3.994	3.997	-0.003	98	590257	10.0	10.4	
	10 Benzonitrile	103	4.010	4.019	-0.009	97	1082954	NC	NC	
	11 2-Chlorophenol	128	4.064	4.070	-0.006	98	628613	10.0	10.5	
	12 n-Decane	43	4.086	4.090	-0.004	88	493893	10.0	10.2	
	13 1,3-Dichlorobenzene	146	4.188	4.192	-0.004	97	708536	10.0	10.4	
*	14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	94	337142	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	728216	10.0	10.5	
	17 Benzyl alcohol	108	4.396	4.406	-0.010	95	400023	10.0	10.5	
	18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	698546	10.0	10.6	
	21 2,2'-oxybis[1-chloropropane]	45	4.515	4.515	0.000	93	608828	10.0	10.1	
	20 2-Methylphenol	108	4.527	4.537	-0.010	92	565404	10.0	10.7	
	22 N-Methylaniline	106	4.630	4.633	-0.003	99	906009	10.0	10.8	
	23 Acetophenone	105	4.639	4.646	-0.007	95	891111	10.0	10.8	
	24 N-Nitrosodi-n-propylamine	70	4.642	4.652	-0.010	85	410260	10.0	11.1	
	26 4-Methylphenol	108	4.678	4.687	-0.009	97	588820	10.0	10.4	
	25 3 & 4 Methylphenol	108	4.678	4.687	-0.009	62	591445	10.0	10.5	
	27 Hexachloroethane	117	4.726	4.729	-0.003	94	255688	10.0	10.8	
	29 Nitrobenzene	123	4.799	4.803	-0.004	85	321879	10.0	10.9	
	30 n,n'-Dimethylaniline	120	4.799	4.803	-0.004	87	929307	10.0	10.1	
	31 Isophorone	82	5.036	5.049	-0.013	98	1081861	10.0	10.8	
	32 2-Nitrophenol	139	5.103	5.106	-0.003	96	347495	10.0	10.8	
	33 2,4-Dimethylphenol	122	5.173	5.183	-0.010	93	538446	10.0	10.9	
	34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	738861	10.0	10.6	
	35 Benzoic acid	122	5.298	5.314	-0.016	86	333545	10.0	10.4	
	36 2,4-Dichlorophenol	162	5.358	5.365	-0.007	98	544058	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.410	5.413	-0.003	94	609420	10.0	10.8	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1337583	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	1973091	10.0	10.8	
40 4-Chloroaniline	127	5.550	5.557	-0.007	98	754007	10.0	11.4	
41 2,6-Dichlorophenol	162	5.557	5.564	-0.007	98	548036	10.0	11.0	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	336009	10.0	10.8	
44 Caprolactam	113	5.892	5.931	-0.039	95	52266	4.00	4.07	
45 4-Chloro-3-methylphenol	107	6.052	6.059	-0.007	95	504144	10.0	10.7	
46 2-Methylnaphthalene	142	6.145	6.149	-0.004	85	1286420	10.0	10.9	
47 1-Methylnaphthalene	142	6.238	6.241	-0.003	93	1177209	10.0	10.7	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	98	397363	10.0	10.6	
49 1,2,4,5-Tetrachlorobenzene	216	6.302	6.305	-0.003	98	607734	10.0	10.8	
50 2-tertbutyl-4-methylphenol	149	6.363	6.369	-0.006	92	728939	10.0	10.8	
51 2,4,6-Trichlorophenol	196	6.430	6.433	-0.003	92	382425	10.0	11.0	
52 2,4,5-Trichlorophenol	196	6.481	6.488	-0.007	99	421025	10.0	11.0	
54 1,1'-Biphenyl	154	6.593	6.594	-0.001	95	1571778	10.0	10.6	
55 2-Chloronaphthalene	162	6.606	6.610	-0.004	99	1216951	10.0	10.6	
56 Phenyl ether	170	6.692	6.696	-0.004	84	792244	10.0	10.1	
57 2-Nitroaniline	65	6.718	6.725	-0.007	92	277738	10.0	10.7	
58 1,3-Dimethylnaphthalene	156	6.817	6.818	-0.001	92	886332	10.0	10.1	
59 Dimethyl phthalate	163	6.897	6.904	-0.007	100	1253599	10.0	10.4	
60 Coumarin	146	6.906	6.914	-0.008	82	382390	10.0	10.1	
61 2,6-Dinitrotoluene	165	6.948	6.952	-0.004	95	284615	10.0	11.2	
62 Acenaphthylene	152	6.996	7.000	-0.004	98	1880925	10.0	10.5	
63 3-Nitroaniline	138	7.111	7.118	-0.007	97	298747	10.0	10.7	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	716413	8.00	8.00	
65 Acenaphthene	154	7.162	7.166	-0.004	95	1125739	10.0	10.5	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.165	7.166	-0.001	97	1021168	10.0	10.4	
67 2,4-Dinitrophenol	184	7.204	7.211	-0.007	94	373929	20.0	23.0	
69 2,4-Dinitrotoluene	165	7.325	7.330	-0.005	93	368086	10.0	11.6	
70 Dibenzofuran	168	7.325	7.330	-0.005	99	1686646	10.0	10.5	
68 4-Nitrophenol	65	7.338	7.349	-0.011	84	392266	20.0	21.4	a
71 2,3,4,6-Tetrachlorophenol	232	7.457	7.461	-0.004	96	333020	10.0	10.9	
72 Diethyl phthalate	149	7.565	7.573	-0.008	98	1222403	10.0	10.4	
73 Fluorene	166	7.649	7.653	-0.004	95	1322947	10.0	10.5	
74 4-Chlorophenyl phenyl ether	204	7.655	7.660	-0.005	92	654259	10.0	10.6	
75 4-Nitroaniline	138	7.694	7.701	-0.007	86	267451	10.0	10.6	
76 4,6-Dinitro-2-methylphenol	198	7.710	7.714	-0.004	95	449026	20.0	22.6	
77 N-Nitrosodiphenylamine	169	7.774	7.778	-0.004	98	905535	10.0	10.7	
78 1,2-Diphenylhydrazine	77	7.806	7.810	-0.004	97	1186610	10.0	10.8	
131 Azobenzene	77	7.806	7.810	-0.004	0	1186521	10.0	10.8	
80 4-Bromophenyl phenyl ether	248	8.119	8.121	-0.002	94	374337	10.0	10.7	
82 Hexachlorobenzene	284	8.167	8.169	-0.002	95	472828	10.0	11.1	
83 Atrazine	200	8.292	8.303	-0.011	95	113586	4.00	4.41	
85 Pentachloronitrobenzene	237	8.369	8.374	-0.005	85	141337	10.0	10.5	
84 Pentachlorophenol	266	8.369	8.374	-0.005	94	553514	20.0	22.7	
87 n-Octadecane	57	8.458	8.464	-0.006	88	722489	10.0	10.5	
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1198958	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	97	1756441	10.0	10.7	
90 Anthracene	178	8.602	8.608	-0.006	98	1781764	10.0	10.8	
91 Carbazole	167	8.769	8.774	-0.005	96	1527559	10.0	10.7	
92 Di-n-butyl phthalate	149	9.114	9.120	-0.006	99	1816927	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.677	9.680	-0.003	98	1701705	10.0	10.9	
94 Benzidine	184	9.821	9.828	-0.007	99	779118	10.0	10.9	
95 Pyrene	202	9.888	9.892	-0.004	97	1745801	10.0	10.8	
96 Bisphenol-A	213	9.975	9.979	-0.004	99	618394	10.0	10.5	
98 Butyl benzyl phthalate	149	10.554	10.560	-0.006	95	667269	10.0	11.0	
100 Carbamazepine	193	10.654	10.666	-0.012	92	403320	10.0	8.52	
101 3,3'-Dichlorobenzidine	252	11.108	11.115	-0.007	99	539672	10.0	11.0	
102 Benzo[a]anthracene	228	11.118	11.122	-0.004	99	1518922	10.0	11.1	
* 103 Chrysene-d12	240	11.128	11.132	-0.004	99	841450	8.00	8.00	
104 Chrysene	228	11.157	11.161	-0.004	98	1428528	10.0	11.1	
105 Bis(2-ethylhexyl) phthalate	149	11.205	11.212	-0.007	85	939354	10.0	11.6	
106 Di-n-octyl phthalate	149	12.019	12.028	-0.009	96	1475580	10.0	10.9	
107 Benzo[b]fluoranthene	252	12.442	12.446	-0.004	99	1405593	10.0	11.0	
108 Benzo[k]fluoranthene	252	12.478	12.485	-0.007	99	1427161	10.0	10.9	
109 Benzo[a]pyrene	252	12.875	12.881	-0.006	97	1295758	10.0	11.6	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	829833	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.449	14.457	-0.008	99	1284552	10.0	11.1	
112 Dibenz(a,h)anthracene	278	14.497	14.505	-0.008	95	1375701	10.0	10.8	
113 Benzo[g,h,i]perylene	276	14.851	14.860	-0.009	98	1360477	10.0	10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SV_ICV_ LVI_00010 Amount Added: 1.00 Units: mL

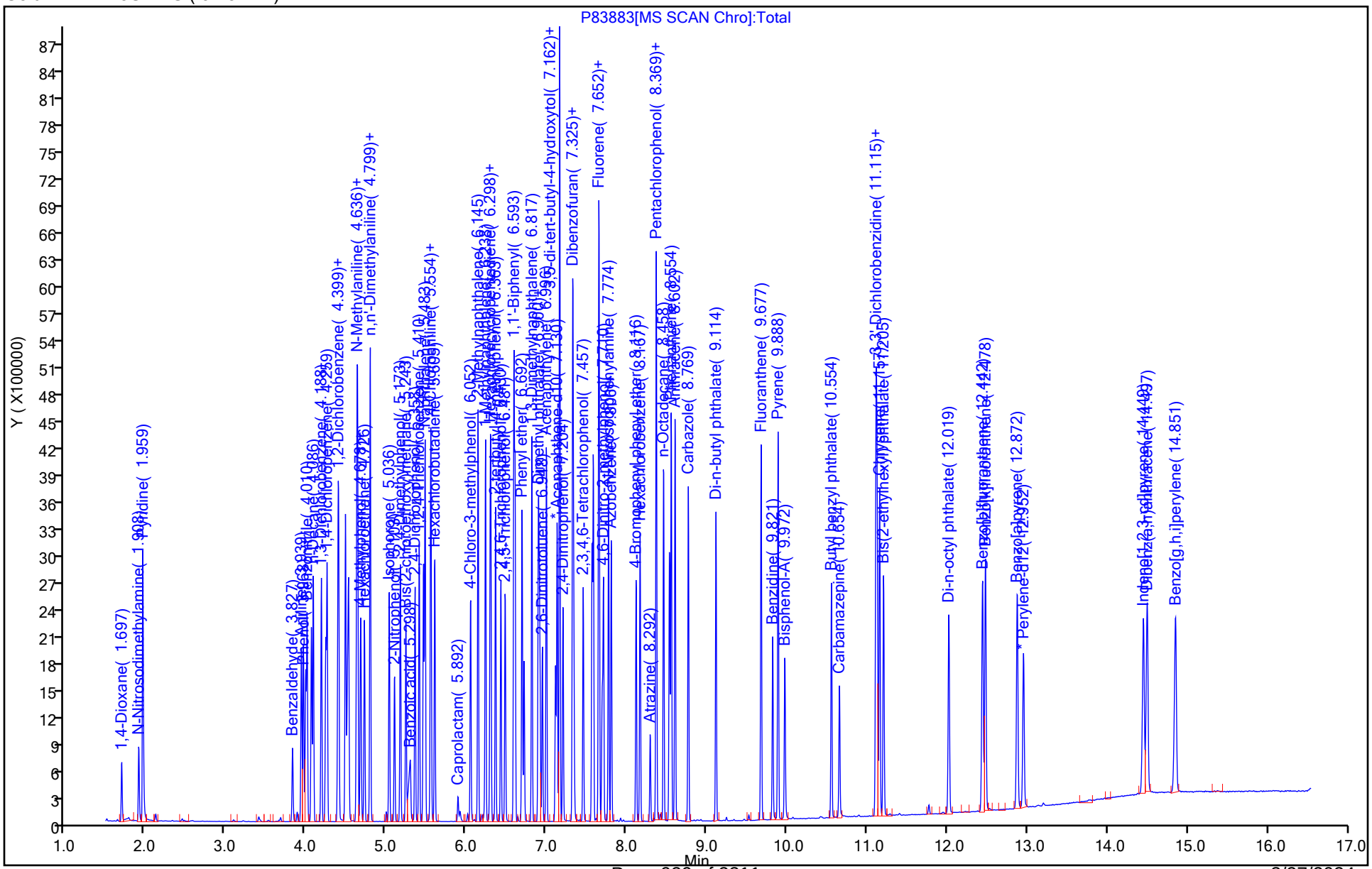
Report Date: 05-Mar-2024 07:38:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D

Injection Date:	04-Mar-2024 17:44:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

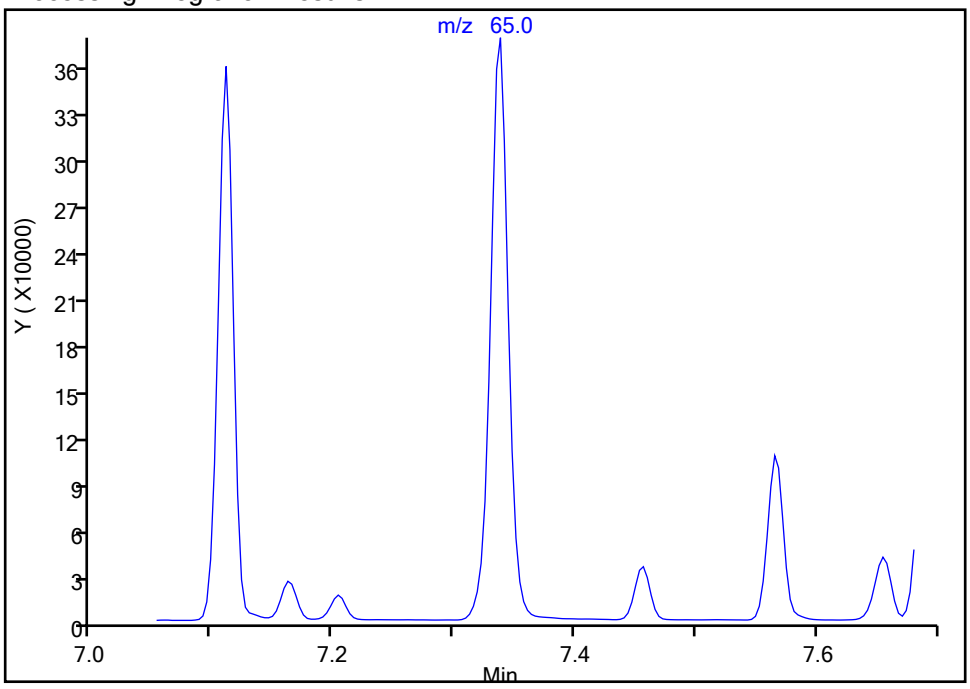
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D
Injection Date: 04-Mar-2024 17:44:30 Instrument ID: CBNAMS18
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

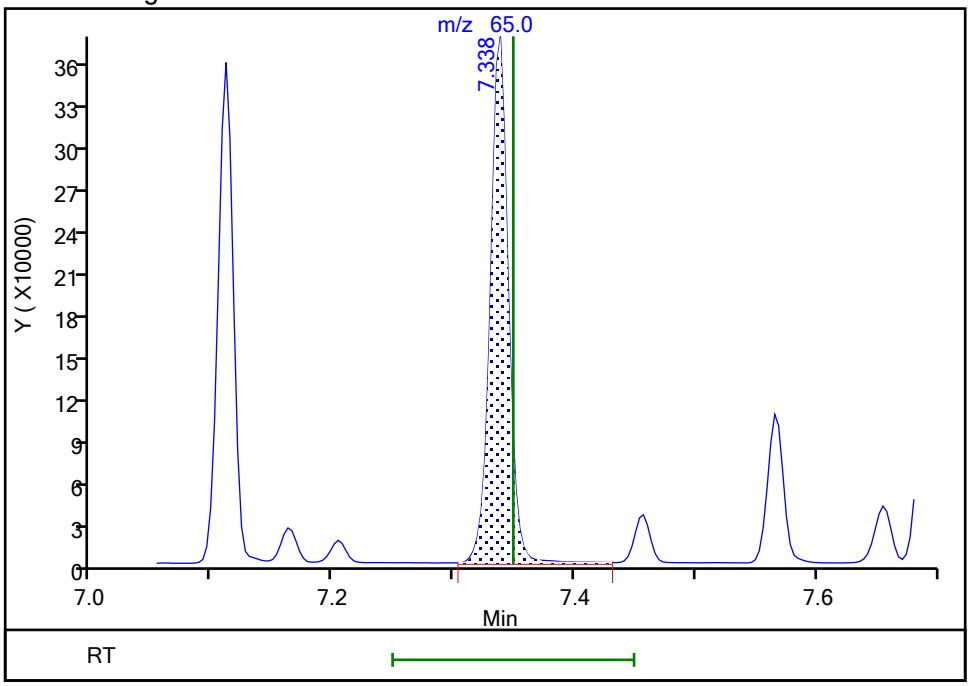
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 392266
Amount: 21.361462
Amount Units: ug/ml



Reviewer: G4KC, 05-Mar-2024 06:31:52 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5138		9300	10000	-7.0	20.0
N-Nitrosodimethylamine	Ave	0.8383	0.7722		9210	10000	-7.9	20.0
Pyridine	Ave	1.297	1.087		16800	20000	-16.2	20.0
Benzaldehyde	Ave	0.9786	0.3625	0.0100	1480	4000	-63.0*	20.0
Aniline	Ave	1.835	1.925		10500	10000	4.9	20.0
Phenol	Ave	1.744	1.694	0.8000	9720	10000	-2.8	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.193	0.7000	8850	10000	-11.5	20.0
2-Chlorophenol	Ave	1.419	1.281	0.8000	9030	10000	-9.7	20.0
n-Decane	Ave	1.148	1.069		9310	10000	-6.9	20.0
1,3-Dichlorobenzene	Ave	1.617	1.496		9260	10000	-7.4	20.0
1,4-Dichlorobenzene	Ave	1.648	1.541		9350	10000	-6.5	20.0
Benzyl alcohol	Ave	0.9039	0.8111		8970	10000	-10.3	20.0
1,2-Dichlorobenzene	Ave	1.563	1.471	0.0100	9410	10000	-5.9	20.0
2-Methylphenol	Ave	1.252	1.172	0.7000	9370	10000	-6.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.311	0.0100	9130	10000	-8.7	20.0
N-Methylaniline	Ave	1.988	2.128		10700	10000	7.0	20.0
Acetophenone	Ave	1.953	1.922	0.0100	9840	10000	-1.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.8458	0.5000	9610	10000	-3.9	20.0
3 & 4 Methylphenol	Ave	1.340	1.181		8810	10000	-11.9	20.0
4-Methylphenol	Ave	1.340	1.169	0.6000	8730	10000	-12.7	20.0
Hexachloroethane	Ave	0.5615	0.5690	0.3000	10100	10000	1.3	20.0
n,n'-Dimethylaniline	Ave	2.174	2.170		9980	10000	-0.2	20.0
Nitrobenzene	Ave	0.6991	0.6961	0.2000	9960	10000	-0.4	20.0
Isophorone	Ave	0.5969	0.5633	0.4000	9440	10000	-5.6	20.0
2-Nitrophenol	Ave	0.1930	0.1866	0.1000	9670	10000	-3.3	20.0
2,4-Dimethylphenol	Ave	0.2954	0.3019	0.2000	10200	10000	2.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.3844	0.3000	9250	10000	-7.5	20.0
Benzoic acid	Ave	0.1909	0.1644		8610	10000	-13.9	20.0
2,4-Dichlorophenol	Ave	0.2977	0.2870	0.2000	9640	10000	-3.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3276		9720	10000	-2.8	20.0
Naphthalene	Ave	1.094	1.062	0.7000	9710	10000	-2.9	20.0
4-Chloroaniline	Ave	0.3970	0.4220	0.0100	10600	10000	6.3	20.0
Hexachlorobutadiene	Ave	0.1859	0.1824	0.0100	9810	10000	-1.9	20.0
Caprolactam	Lin2		0.0697	0.0100	3640	4000	-8.9	20.0
4-Chloro-3-methylphenol	Ave	0.2809	0.2621	0.2000	9330	10000	-6.7	20.0
2-Methylnaphthalene	Ave	0.7045	0.6800	0.4000	9650	10000	-3.5	20.0
1-Methylnaphthalene	Ave	0.6603	0.6358		9630	10000	-3.7	20.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4593	0.0500	10900	10000	9.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6156	0.0100	9810	10000	-1.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4080		10100	10000	1.4	20.0
2,4,6-Trichlorophenol	Ave	0.3890	0.3854	0.2000	9910	10000	-0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.3974	0.2000	9280	10000	-7.2	20.0
1,1'-Biphenyl	Ave	1.655	1.616	0.0100	9770	10000	-2.3	20.0
2-Chloronaphthalene	Ave	1.284	1.232	0.8000	9590	10000	-4.1	20.0
Phenyl ether	Ave	0.8723	0.8605		9860	10000	-1.4	20.0
2-Nitroaniline	Ave	0.2901	0.2940	0.0100	10100	10000	1.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9800		9980	10000	-0.2	20.0
Dimethyl phthalate	Ave	1.350	1.269	0.0100	9400	10000	-6.0	20.0
Coumarin	Ave	0.2266	0.2228		9830	10000	-1.7	20.0
2,6-Dinitrotoluene	Ave	0.2845	0.2789	0.2000	9800	10000	-2.0	20.0
Acenaphthylene	Ave	2.000	1.804	0.9000	9020	10000	-9.8	20.0
3-Nitroaniline	Ave	0.3130	0.2976	0.0100	9510	10000	-4.9	20.0
Acenaphthene	Ave	1.194	1.196	0.9000	10000	10000	0.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.132		10300	10000	3.1	20.0
2,4-Dinitrophenol	Ave	0.1813	0.1719	0.0100	19000	20000	-5.2	20.0
4-Nitrophenol	Ave	0.2051	0.2095	0.0100	20400	20000	2.2	20.0
2,4-Dinitrotoluene	Ave	0.3557	0.3958	0.2000	11100	10000	11.3	20.0
Dibenzofuran	Ave	1.788	1.758	0.8000	9830	10000	-1.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3218	0.0100	9450	10000	-5.5	20.0
Diethyl phthalate	Ave	1.311	1.216	0.0100	9280	10000	-7.2	20.0
Fluorene	Ave	1.412	1.392	0.9000	9850	10000	-1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.6518	0.4000	9460	10000	-5.4	20.0
4-Nitroaniline	Ave	0.2811	0.2734	0.0100	9730	10000	-2.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1317	0.0100	19900	20000	-0.5	20.0
N-Nitrosodiphenylamine	Ave	0.5641	0.5251	0.0100	9310	10000	-6.9	20.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7159		9760	10000	-2.4	20.0
Azobenzene	Ave	0.7335	0.7159		9760	10000	-2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2165	0.1000	9260	10000	-7.4	20.0
Hexachlorobenzene	Ave	0.2853	0.2605	0.1000	9130	10000	-8.7	20.0
Atrazine	Ave	0.1718	0.1751	0.0100	4080	4000	1.9	20.0
Pentachlorophenol	Ave	0.1629	0.1615	0.0500	19800	20000	-0.8	20.0
Pentachloronitrobenzene	Ave	0.0895	0.0927	0.0100	10400	10000	3.6	20.0
n-Octadecane	Ave	0.4575	0.4219		9220	10000	-7.8	20.0
Phenanthrene	Ave	1.096	1.052	0.7000	9600	10000	-4.0	20.0
Anthracene	Ave	1.105	1.085	0.7000	9820	10000	-1.8	20.0
Carbazole	Ave	0.9530	0.9369	0.0100	9830	10000	-1.7	20.0
Di-n-butyl phthalate	Ave	1.115	1.135	0.0100	10200	10000	1.8	20.0
Fluoranthene	Ave	1.043	1.072	0.6000	10300	10000	2.8	20.0
Benzidine	Ave	0.4790	0.3780		7890	10000	-21.1*	20.0
Pyrene	Ave	1.542	1.378	0.6000	8940	10000	-10.6	20.0
Bisphenol-A	Ave	0.5574	0.4395		7880	10000	-21.2*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.5427	0.0100	9380	10000	-6.2	20.0
2,3,7,8-TCDD	Ave	0.2407	0.1961		81.4	100	-18.6	20.0
Carbamazepine	Lin1		0.3836		8530	10000	-14.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.4505	0.0100	9700	10000	-3.0	20.0
Benzo[a]anthracene	Ave	1.305	1.230	0.8000	9420	10000	-5.8	20.0
Chrysene	Ave	1.218	1.077	0.7000	8840	10000	-11.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8042	0.0100	10500	10000	4.6	20.0
Di-n-octyl phthalate	Ave	1.300	1.346	0.0100	10300	10000	3.5	20.0
Benzo[b]fluoranthene	Ave	1.230	1.223		9940	10000	-0.6	20.0
Benzo[k]fluoranthene	Ave	1.259	1.263	0.7000	10000	10000	0.3	20.0
Benzo[a]pyrene	Ave	1.076	1.027	0.7000	9550	10000	-4.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.052	0.5000	9420	10000	-5.8	20.0
Dibenz(a,h)anthracene	Ave	1.226	1.079	0.4000	8800	10000	-12.0	20.0
Benzo[g,h,i]perylene	Ave	1.243	1.049	0.5000	8450	10000	-15.5	20.0
2-Fluorophenol (Surr)	Ave	1.277	1.246		9760	10000	-2.4	20.0
Phenol-d5 (Surr)	Ave	1.517	1.481		9760	10000	-2.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3240	0.3381		10400	10000	4.4	20.0
2-Fluorobiphenyl	Ave	1.476	1.499		10200	10000	1.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2517	0.2507		9960	10000	-0.4	20.0
Terphenyl-d14 (Surr)	Ave	1.218	1.123		9220	10000	-7.8	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84251.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 06:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 08:41:21 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 08:41:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.627	1.627	0.000	92	184886	10.0	9.30	
2 N-Nitrosodimethylamine	74	1.831	1.831	0.000	89	277866	10.0	9.21	
3 Pyridine	79	1.857	1.857	0.000	95	782513	20.0	16.8	
$ 4 2-Fluorophenol	112	2.914	2.914	0.000	96	448392	10.0	9.76	
5 Benzaldehyde	77	3.715	3.715	0.000	94	52179	4.00	1.48	
$ 6 Phenol-d5	99	3.811	3.811	0.000	99	532858	10.0	9.76	
8 Aniline	93	3.824	3.824	0.000	92	692574	10.0	10.5	
7 Phenol	94	3.824	3.824	0.000	90	609534	10.0	9.72	
9 Bis(2-chloroethyl)ether	93	3.884	3.884	0.000	99	429376	10.0	8.85	
10 Benzonitrile	103	3.900	3.900	0.000	98	851693	NC	NC	
11 2-Chlorophenol	128	3.942	3.942	0.000	97	460860	10.0	9.03	
12 n-Decane	43	3.984	3.984	0.000	87	384558	10.0	9.31	
13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	96	538422	10.0	9.26	
* 14 1,4-Dichlorobenzene-d4	152	4.137	4.137	0.000	95	287860	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.153	4.153	0.000	95	554412	10.0	9.35	
17 Benzyl alcohol	108	4.277	4.277	0.000	95	291855	10.0	8.97	
18 1,2-Dichlorobenzene	146	4.297	4.297	0.000	97	529196	10.0	9.41	
20 2-Methylphenol	108	4.402	4.402	0.000	89	421876	10.0	9.37	
21 2,2'-oxybis[1-chloropropane]	45	4.405	4.405	0.000	92	471743	10.0	9.13	
22 N-Methylaniline	106	4.520	4.520	0.000	97	765650	10.0	10.7	
23 Acetophenone	105	4.530	4.530	0.000	91	691627	10.0	9.84	
24 N-Nitrosodi-n-propylamine	70	4.530	4.530	0.000	87	304326	10.0	9.61	
26 4-Methylphenol	108	4.552	4.552	0.000	98	420677	10.0	8.73	
25 3 & 4 Methylphenol	108	4.552	4.552	0.000	62	424893	10.0	8.81	
27 Hexachloroethane	117	4.620	4.620	0.000	94	204753	10.0	10.1	
$ 28 Nitrobenzene-d5	82	4.671	4.671	0.000	87	466706	10.0	10.4	
29 Nitrobenzene	123	4.693	4.693	0.000	84	250476	10.0	9.96	
30 n,n'-Dimethylaniline	120	4.693	4.693	0.000	87	780979	10.0	9.98	
31 Isophorone	82	4.920	4.920	0.000	99	777534	10.0	9.44	
32 2-Nitrophenol	139	4.997	4.997	0.000	95	257549	10.0	9.67	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	92	416718	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.137	5.137	0.000	98	530535	10.0	9.25	
35 Benzoic acid	122	5.166	5.166	0.000	90	226885	10.0	8.61	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	396195	10.0	9.64	
37 1,2,4-Trichlorobenzene	180	5.307	5.307	0.000	94	452156	10.0	9.72	
* 38 Naphthalene-d8	136	5.358	5.358	0.000	99	1104197	8.00	8.00	
39 Naphthalene	128	5.377	5.377	0.000	99	1465626	10.0	9.71	
40 4-Chloroaniline	127	5.444	5.444	0.000	98	582508	10.0	10.6	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	98	407767	10.0	9.89	
42 Hexachlorobutadiene	225	5.502	5.502	0.000	96	251716	10.0	9.81	
44 Caprolactam	113	5.760	5.760	0.000	93	38489	4.00	3.64	
45 4-Chloro-3-methylphenol	107	5.930	5.930	0.000	96	361728	10.0	9.33	
46 2-Methylnaphthalene	142	6.042	6.042	0.000	84	938505	10.0	9.65	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	95	877505	10.0	9.63	
48 Hexachlorocyclopentadiene	237	6.192	6.192	0.000	97	336635	10.0	10.9	
49 1,2,4,5-Tetrachlorobenzene	216	6.202	6.202	0.000	98	451182	10.0	9.81	
50 2-tertbutyl-4-methylphenol	149	6.256	6.256	0.000	91	563101	10.0	10.1	
51 2,4,6-Trichlorophenol	196	6.320	6.320	0.000	91	282471	10.0	9.91	
52 2,4,5-Trichlorophenol	196	6.362	6.362	0.000	98	291262	10.0	9.28	
$ 53 2-Fluorobiphenyl	172	6.397	6.397	0.000	97	1098296	10.0	10.2	
54 1,1'-Biphenyl	154	6.490	6.490	0.000	95	1184597	10.0	9.77	
55 2-Chloronaphthalene	162	6.502	6.502	0.000	98	902679	10.0	9.59	
56 Phenyl ether	170	6.592	6.592	0.000	84	630604	10.0	9.86	
57 2-Nitroaniline	65	6.611	6.611	0.000	93	215493	10.0	10.1	
58 1,3-Dimethylnaphthalene	156	6.713	6.713	0.000	91	718187	10.0	9.98	
59 Dimethyl phthalate	163	6.793	6.793	0.000	99	929997	10.0	9.40	
60 Coumarin	146	6.800	6.800	0.000	82	307496	10.0	9.83	
61 2,6-Dinitrotoluene	165	6.845	6.845	0.000	96	204365	10.0	9.80	
62 Acenaphthylene	152	6.893	6.893	0.000	97	1322430	10.0	9.02	
63 3-Nitroaniline	138	7.001	7.001	0.000	98	218096	10.0	9.51	
* 64 Acenaphthene-d10	164	7.027	7.027	0.000	95	586294	8.00	8.00	
65 Acenaphthene	154	7.059	7.059	0.000	96	876844	10.0	10.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.065	7.065	0.000	97	829893	10.0	10.3	
67 2,4-Dinitrophenol	184	7.100	7.100	0.000	96	251916	20.0	19.0	
68 4-Nitrophenol	65	7.200	7.200	0.000	90	307091	20.0	20.4	
69 2,4-Dinitrotoluene	165	7.222	7.222	0.000	63	290060	10.0	11.1	
70 Dibenzofuran	168	7.222	7.222	0.000	96	1288463	10.0	9.83	
71 2,3,4,6-Tetrachlorophenol	232	7.350	7.350	0.000	95	235819	10.0	9.45	
72 Diethyl phthalate	149	7.465	7.465	0.000	98	891531	10.0	9.28	
73 Fluorene	166	7.545	7.545	0.000	95	1019892	10.0	9.85	
74 4-Chlorophenyl phenyl ether	204	7.555	7.555	0.000	89	477653	10.0	9.46	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	200338	10.0	9.73	
76 4,6-Dinitro-2-methylphenol	198	7.609	7.609	0.000	88	332959	20.0	19.9	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	663844	10.0	9.31	
78 1,2-Diphenylhydrazine	77	7.705	7.705	0.000	99	905012	10.0	9.76	
131 Azobenzene	77	7.705	7.705	0.000	0	904971	10.0	9.76	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	183741	10.0	9.96	
80 4-Bromophenyl phenyl ether	248	8.015	8.015	0.000	92	273717	10.0	9.26	
82 Hexachlorobenzene	284	8.063	8.063	0.000	96	329371	10.0	9.13	
83 Atrazine	200	8.185	8.185	0.000	95	88553	4.00	4.08	
84 Pentachlorophenol	266	8.261	8.261	0.000	95	408443	20.0	19.8	
85 Pentachloronitrobenzene	237	8.268	8.268	0.000	90	117247	10.0	10.4	
87 n-Octadecane	57	8.364	8.364	0.000	91	533303	10.0	9.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.428	8.428	0.000	98	1011315	8.00	8.00	
89 Phenanthrene	178	8.450	8.450	0.000	97	1329833	10.0	9.60	
90 Anthracene	178	8.498	8.498	0.000	99	1371045	10.0	9.82	
91 Carbazole	167	8.661	8.661	0.000	96	1184348	10.0	9.83	
92 Di-n-butyl phthalate	149	9.013	9.013	0.000	99	1434699	10.0	10.2	
93 Fluoranthene	202	9.572	9.572	0.000	98	1354850	10.0	10.3	
94 Benzidine	184	9.716	9.716	0.000	99	477831	10.0	7.89	
95 Pyrene	202	9.783	9.783	0.000	97	1377281	10.0	8.94	
96 Bisphenol-A	213	9.863	9.863	0.000	98	439162	10.0	7.88	
$ 97 Terphenyl-d14	244	9.949	9.949	0.000	97	1121885	10.0	9.22	
98 Butyl benzyl phthalate	149	10.445	10.445	0.000	97	542265	10.0	9.38	
99 2,3,7,8-TCDD	320	10.512	10.512	0.000	91	1959	0.1000	0.0814	
100 Carbamazepine	193	10.534	10.534	0.000	92	383339	10.0	8.53	
101 3,3'-Dichlorobenzidine	252	10.985	10.985	0.000	99	450148	10.0	9.70	
102 Benzo[a]anthracene	228	10.991	10.991	0.000	99	1228693	10.0	9.42	
* 103 Chrysene-d12	240	11.001	11.001	0.000	99	799384	8.00	8.00	
104 Chrysene	228	11.030	11.030	0.000	98	1075747	10.0	8.84	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	85	803544	10.0	10.5	
106 Di-n-octyl phthalate	149	11.874	11.874	0.000	96	1220795	10.0	10.3	
107 Benzo[b]fluoranthene	252	12.283	12.283	0.000	98	1109286	10.0	9.94	
108 Benzo[k]fluoranthene	252	12.322	12.322	0.000	99	1145690	10.0	10.0	
109 Benzo[a]pyrene	252	12.705	12.705	0.000	97	931869	10.0	9.55	
* 110 Perylene-d12	264	12.782	12.782	0.000	99	725843	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.246	14.246	0.000	99	954641	10.0	9.42	
112 Dibenz(a,h)anthracene	278	14.291	14.291	0.000	99	978774	10.0	8.80	
113 Benzo[g,h,i]perylene	276	14.627	14.627	0.000	98	952174	10.0	8.45	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

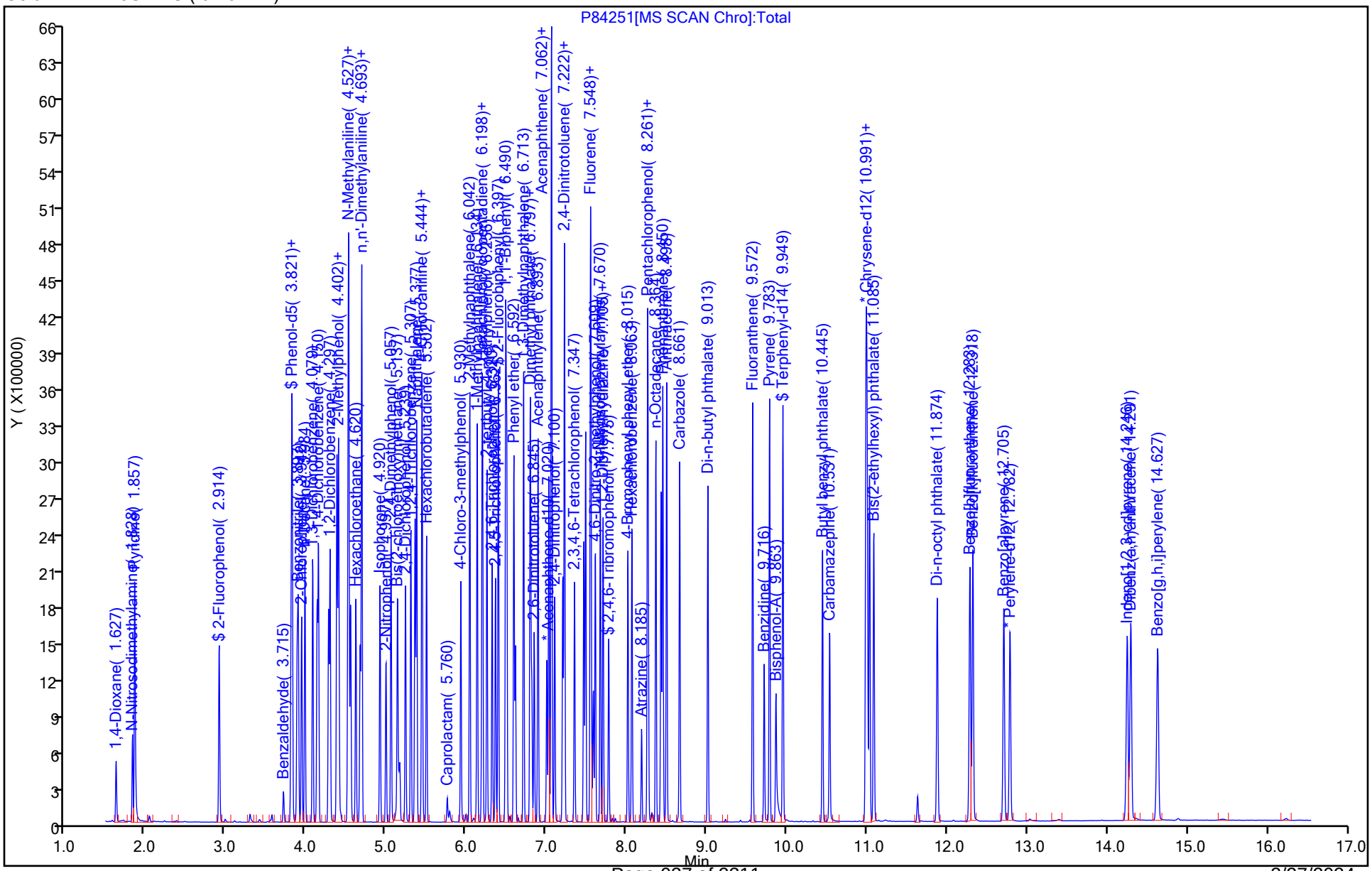
Report Date: 22-Mar-2024 08:41:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84251.D

Injection Date:	22-Mar-2024 06:07:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 | Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5113		9250	10000	-7.5	20.0
N-Nitrosodimethylamine	Ave	0.8383	0.7812		9320	10000	-6.8	20.0
Pyridine	Ave	1.297	1.054		16300	20000	-18.7	20.0
Benzaldehyde	Ave	0.9786	0.3876	0.0100	1580	4000	-60.4*	20.0
Aniline	Ave	1.835	2.004		10900	10000	9.2	20.0
Phenol	Ave	1.744	1.756	0.8000	10100	10000	0.7	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.253	0.7000	9290	10000	-7.1	20.0
2-Chlorophenol	Ave	1.419	1.330	0.8000	9380	10000	-6.2	20.0
n-Decane	Ave	1.148	1.080		9400	10000	-6.0	20.0
1,3-Dichlorobenzene	Ave	1.617	1.520		9400	10000	-6.0	20.0
1,4-Dichlorobenzene	Ave	1.648	1.561		9470	10000	-5.3	20.0
Benzyl alcohol	Ave	0.9039	0.8661		9580	10000	-4.2	20.0
1,2-Dichlorobenzene	Ave	1.563	1.495	0.0100	9570	10000	-4.3	20.0
2-Methylphenol	Ave	1.252	1.232	0.7000	9840	10000	-1.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.363	0.0100	9490	10000	-5.1	20.0
N-Methylaniline	Ave	1.988	2.206		11100	10000	10.9	20.0
Acetophenone	Ave	1.953	2.007	0.0100	10300	10000	2.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.9196	0.5000	10500	10000	4.5	20.0
3 & 4 Methylphenol	Ave	1.340	1.244		9280	10000	-7.2	20.0
4-Methylphenol	Ave	1.340	1.242	0.6000	9270	10000	-7.3	20.0
Hexachloroethane	Ave	0.5615	0.5857	0.3000	10400	10000	4.3	20.0
n,n'-Dimethylaniline	Ave	2.174	2.294		10600	10000	5.5	20.0
Nitrobenzene	Ave	0.6991	0.7328	0.2000	10500	10000	4.8	20.0
Isophorone	Ave	0.5969	0.6001	0.4000	10100	10000	0.5	20.0
2-Nitrophenol	Ave	0.1930	0.1885	0.1000	9770	10000	-2.3	20.0
2,4-Dimethylphenol	Ave	0.2954	0.3028	0.2000	10200	10000	2.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.3968	0.3000	9550	10000	-4.5	20.0
Benzoic acid	Ave	0.1909	0.1662		8710	10000	-12.9	20.0
2,4-Dichlorophenol	Ave	0.2977	0.2892	0.2000	9710	10000	-2.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3228		9570	10000	-4.3	20.0
Naphthalene	Ave	1.094	1.080	0.7000	9870	10000	-1.3	20.0
4-Chloroaniline	Ave	0.3970	0.4353	0.0100	11000	10000	9.6	20.0
Hexachlorobutadiene	Ave	0.1859	0.1789	0.0100	9620	10000	-3.8	20.0
Caprolactam	Lin2		0.0779	0.0100	4060	4000	1.5	20.0
4-Chloro-3-methylphenol	Ave	0.2809	0.2722	0.2000	9690	10000	-3.1	20.0
2-Methylnaphthalene	Ave	0.7045	0.6985	0.4000	9910	10000	-0.9	20.0
1-Methylnaphthalene	Ave	0.6603	0.6470		9800	10000	-2.0	20.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4392	0.0500	10500	10000	4.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6063	0.0100	9660	10000	-3.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4278		10600	10000	6.3	20.0
2,4,6-Trichlorophenol	Ave	0.3890	0.3838	0.2000	9870	10000	-1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 | Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.3987	0.2000	9310	10000	-6.9	20.0
1,1'-Biphenyl	Ave	1.655	1.618	0.0100	9780	10000	-2.2	20.0
2-Chloronaphthalene	Ave	1.284	1.232	0.8000	9590	10000	-4.1	20.0
Phenyl ether	Ave	0.8723	0.8593		9850	10000	-1.5	20.0
2-Nitroaniline	Ave	0.2901	0.3172	0.0100	10900	10000	9.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9824		10000	10000	0.0	20.0
Dimethyl phthalate	Ave	1.350	1.315	0.0100	9740	10000	-2.6	20.0
Coumarin	Ave	0.2266	0.2354		10400	10000	3.9	20.0
2,6-Dinitrotoluene	Ave	0.2845	0.2908	0.2000	10200	10000	2.2	20.0
Acenaphthylene	Ave	2.000	1.841	0.9000	9210	10000	-7.9	20.0
3-Nitroaniline	Ave	0.3130	0.3205	0.0100	10200	10000	2.4	20.0
Acenaphthene	Ave	1.194	1.221	0.9000	10200	10000	2.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.152		10500	10000	4.9	20.0
2,4-Dinitrophenol	Ave	0.1813	0.1566	0.0100	17300	20000	-13.6	20.0
4-Nitrophenol	Ave	0.2051	0.2215	0.0100	21600	20000	8.0	20.0
2,4-Dinitrotoluene	Ave	0.3557	0.4075	0.2000	11500	10000	14.6	20.0
Dibenzofuran	Ave	1.788	1.780	0.8000	9950	10000	-0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3283	0.0100	9640	10000	-3.6	20.0
Diethyl phthalate	Ave	1.311	1.258	0.0100	9600	10000	-4.0	20.0
Fluorene	Ave	1.412	1.399	0.9000	9910	10000	-0.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.6646	0.4000	9650	10000	-3.5	20.0
4-Nitroaniline	Ave	0.2811	0.2922	0.0100	10400	10000	4.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1291	0.0100	19500	20000	-2.5	20.0
N-Nitrosodiphenylamine	Ave	0.5641	0.5388	0.0100	9550	10000	-4.5	20.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7380		10100	10000	0.6	20.0
Azobenzene	Ave	0.7335	0.7381		10100	10000	0.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2151	0.1000	9200	10000	-8.0	20.0
Hexachlorobenzene	Ave	0.2853	0.2603	0.1000	9120	10000	-8.8	20.0
Atrazine	Ave	0.1718	0.1842	0.0100	4290	4000	7.2	20.0
Pentachlorophenol	Ave	0.1629	0.1627	0.0500	20000	20000	-0.1	20.0
Pentachloronitrobenzene	Ave	0.0895	0.0959	0.0100	10700	10000	7.1	20.0
n-Octadecane	Ave	0.4575	0.4323		9450	10000	-5.5	20.0
Phenanthrene	Ave	1.096	1.072	0.7000	9780	10000	-2.2	20.0
Anthracene	Ave	1.105	1.099	0.7000	9940	10000	-0.6	20.0
Carbazole	Ave	0.9530	0.9522	0.0100	9990	10000	-0.0	20.0
Di-n-butyl phthalate	Ave	1.115	1.200	0.0100	10800	10000	7.6	20.0
Fluoranthene	Ave	1.043	1.071	0.6000	10300	10000	2.7	20.0
Benzidine	Ave	0.4790	0.4187		8740	10000	-12.6	20.0
Pyrene	Ave	1.542	1.461	0.6000	9480	10000	-5.2	20.0
Bisphenol-A	Ave	0.5574	0.5323		9550	10000	-4.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 | Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.6063	0.0100	10500	10000	4.8	20.0
2,3,7,8-TCDD	Ave	0.2407	0.2060		85.6	100	-14.4	20.0
Carbamazepine	Lin1		0.4259		9390	10000	-6.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.4704	0.0100	10100	10000	1.2	20.0
Benzo[a]anthracene	Ave	1.305	1.247	0.8000	9560	10000	-4.4	20.0
Chrysene	Ave	1.218	1.106	0.7000	9080	10000	-9.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8677	0.0100	11300	10000	12.8	20.0
Di-n-octyl phthalate	Ave	1.300	1.505	0.0100	11600	10000	15.7	20.0
Benzo[b]fluoranthene	Ave	1.230	1.170		9510	10000	-4.9	20.0
Benzo[k]fluoranthene	Ave	1.259	1.189	0.7000	9450	10000	-5.5	20.0
Benzo[a]pyrene	Ave	1.076	1.040	0.7000	9670	10000	-3.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.097	0.5000	9830	10000	-1.7	20.0
Dibenz(a,h)anthracene	Ave	1.226	1.101	0.4000	8980	10000	-10.2	20.0
Benzo[g,h,i]perylene	Ave	1.243	1.130	0.5000	9100	10000	-9.0	20.0
2-Fluorophenol (Surr)	Ave	1.277	1.264		9890	10000	-1.1	20.0
Phenol-d5 (Surr)	Ave	1.517	1.564		10300	10000	3.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3240	0.3444		10600	10000	6.3	20.0
2-Fluorobiphenyl	Ave	1.476	1.506		10200	10000	2.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2517	0.2570		10200	10000	2.1	20.0
Terphenyl-d14 (Surr)	Ave	1.218	1.164		9550	10000	-4.5	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 22:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 22:57:29

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.614	1.614	0.000	93	179152	10.0	9.25	
	2 N-Nitrosodimethylamine	74	1.822	1.822	0.000	89	273684	10.0	9.32	
	3 Pyridine	79	1.847	1.847	0.000	95	738503	20.0	16.3	
$	4 2-Fluorophenol	112	2.907	2.907	0.000	96	442776	10.0	9.89	
	5 Benzaldehyde	77	3.715	3.715	0.000	95	54318	4.00	1.58	
$	6 Phenol-d5	99	3.811	3.811	0.000	99	547992	10.0	10.3	
	8 Aniline	93	3.820	3.820	0.000	86	702058	10.0	10.9	
	7 Phenol	94	3.823	3.823	0.000	89	615291	10.0	10.1	
	9 Bis(2-chloroethyl)ether	93	3.884	3.884	0.000	99	439015	10.0	9.29	
	10 Benzonitrile	103	3.897	3.897	0.000	98	869733	NC	NC	
	11 2-Chlorophenol	128	3.942	3.942	0.000	97	466042	10.0	9.38	
	12 n-Decane	43	3.980	3.980	0.000	87	378263	10.0	9.40	
	13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	96	532657	10.0	9.40	
*	14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	280285	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	95	546739	10.0	9.47	
	17 Benzyl alcohol	108	4.277	4.277	0.000	94	303447	10.0	9.58	
	18 1,2-Dichlorobenzene	146	4.296	4.296	0.000	97	523896	10.0	9.57	
	20 2-Methylphenol	108	4.402	4.402	0.000	89	431784	10.0	9.84	
	21 2,2'-oxybis[1-chloropropane]	45	4.405	4.405	0.000	92	477584	10.0	9.49	
	22 N-Methylaniline	106	4.520	4.520	0.000	98	772849	10.0	11.1	
	23 Acetophenone	105	4.530	4.530	0.000	94	703014	10.0	10.3	
	24 N-Nitrosodi-n-propylamine	70	4.533	4.533	0.000	86	322193	10.0	10.5	
	26 4-Methylphenol	108	4.555	4.555	0.000	97	435234	10.0	9.27	
	25 3 & 4 Methylphenol	108	4.555	4.555	0.000	61	435780	10.0	9.28	
	27 Hexachloroethane	117	4.616	4.616	0.000	95	205200	10.0	10.4	
$	28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	480056	10.0	10.6	
	29 Nitrobenzene	123	4.693	4.693	0.000	97	256748	10.0	10.5	
	30 n,n'-Dimethylaniline	120	4.693	4.693	0.000	88	803705	10.0	10.6	
	31 Isophorone	82	4.923	4.923	0.000	99	836360	10.0	10.1	
	32 2-Nitrophenol	139	4.996	4.996	0.000	94	262751	10.0	9.77	
	33 2,4-Dimethylphenol	122	5.060	5.060	0.000	92	421967	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.140	5.140	0.000	98	553028	10.0	9.55	
35 Benzoic acid	122	5.169	5.169	0.000	89	231681	10.0	8.71	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	403029	10.0	9.71	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	449904	10.0	9.57	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1115018	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1504828	10.0	9.87	
40 4-Chloroaniline	127	5.444	5.444	0.000	98	606688	10.0	11.0	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	99	416944	10.0	10.0	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	249281	10.0	9.62	
44 Caprolactam	113	5.766	5.766	0.000	95	43429	4.00	4.06	
45 4-Chloro-3-methylphenol	107	5.932	5.932	0.000	95	379349	10.0	9.69	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	973537	10.0	9.91	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	93	901836	10.0	9.80	
48 Hexachlorocyclopentadiene	237	6.195	6.195	0.000	97	330684	10.0	10.5	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	97	456485	10.0	9.66	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	596240	10.0	10.6	
51 2,4,6-Trichlorophenol	196	6.323	6.323	0.000	91	288962	10.0	9.87	
52 2,4,5-Trichlorophenol	196	6.364	6.364	0.000	97	300214	10.0	9.31	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	1133786	10.0	10.2	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1218039	10.0	9.78	
55 2-Chloronaphthalene	162	6.502	6.502	0.000	98	927482	10.0	9.59	
56 Phenyl ether	170	6.591	6.591	0.000	85	646957	10.0	9.85	
57 2-Nitroaniline	65	6.610	6.610	0.000	92	238838	10.0	10.9	
58 1,3-Dimethylnaphthalene	156	6.713	6.713	0.000	91	739627	10.0	10.0	
59 Dimethyl phthalate	163	6.796	6.796	0.000	99	990338	10.0	9.74	
60 Coumarin	146	6.802	6.802	0.000	80	328107	10.0	10.4	
61 2,6-Dinitrotoluene	165	6.847	6.847	0.000	96	218970	10.0	10.2	
62 Acenaphthylene	152	6.892	6.892	0.000	97	1386272	10.0	9.21	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	241272	10.0	10.2	
* 64 Acenaphthene-d10	164	7.029	7.029	0.000	95	602325	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	96	919538	10.0	10.2	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	867269	10.0	10.5	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	235853	20.0	17.3	
68 4-Nitrophenol	65	7.205	7.205	0.000	91	333479	20.0	21.6	a
69 2,4-Dinitrotoluene	165	7.224	7.224	0.000	63	306820	10.0	11.5	
70 Dibenzofuran	168	7.224	7.224	0.000	98	1339835	10.0	9.95	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	94	247207	10.0	9.64	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	947327	10.0	9.60	
73 Fluorene	166	7.547	7.547	0.000	94	1053446	10.0	9.91	
74 4-Chlorophenyl phenyl ether	204	7.554	7.554	0.000	89	500394	10.0	9.65	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	220004	10.0	10.4	
76 4,6-Dinitro-2-methylphenol	198	7.608	7.608	0.000	87	336203	20.0	19.5	
77 N-Nitrosodiphenylamine	169	7.672	7.672	0.000	98	701719	10.0	9.55	
78 1,2-Diphenylhydrazine	77	7.704	7.704	0.000	100	961193	10.0	10.1	
131 Azobenzene	77	7.704	7.704	0.000	0	961256	10.0	10.1	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	193510	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.014	8.014	0.000	91	280192	10.0	9.20	
82 Hexachlorobenzene	284	8.066	8.066	0.000	97	339070	10.0	9.12	
83 Atrazine	200	8.187	8.187	0.000	94	95938	4.00	4.29	
84 Pentachlorophenol	266	8.261	8.261	0.000	94	423689	20.0	20.0	
85 Pentachloronitrobenzene	237	8.267	8.267	0.000	89	124881	10.0	10.7	
87 n-Octadecane	57	8.363	8.363	0.000	91	562978	10.0	9.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.427	8.427	0.000	98	1041920	8.00	8.00	
89 Phenanthrene	178	8.450	8.450	0.000	97	1396003	10.0	9.78	
90 Anthracene	178	8.498	8.498	0.000	99	1430997	10.0	9.94	
91 Carbazole	167	8.661	8.661	0.000	96	1240090	10.0	10.0	
92 Di-n-butyl phthalate	149	9.012	9.012	0.000	99	1562722	10.0	10.8	
93 Fluoranthene	202	9.572	9.572	0.000	98	1394735	10.0	10.3	
94 Benzidine	184	9.715	9.715	0.000	99	545287	10.0	8.74	
95 Pyrene	202	9.783	9.783	0.000	97	1421981	10.0	9.48	
96 Bisphenol-A	213	9.863	9.863	0.000	98	517995	10.0	9.55	
$ 97 Terphenyl-d14	244	9.949	9.949	0.000	97	1132734	10.0	9.55	
98 Butyl benzyl phthalate	149	10.445	10.445	0.000	97	590034	10.0	10.5	
99 2,3,7,8-TCDD	320	10.509	10.509	0.000	92	2005	0.1000	0.0856	
100 Carbamazepine	193	10.534	10.534	0.000	92	414514	10.0	9.39	
101 3,3'-Dichlorobenzidine	252	10.986	10.986	0.000	100	457788	10.0	10.1	
102 Benzo[a]anthracene	228	10.995	10.995	0.000	99	1213891	10.0	9.56	
* 103 Chrysene-d12	240	11.005	11.005	0.000	99	778527	8.00	8.00	
104 Chrysene	228	11.031	11.031	0.000	98	1076608	10.0	9.08	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	86	844366	10.0	11.3	
106 Di-n-octyl phthalate	149	11.875	11.875	0.000	96	1357327	10.0	11.6	
107 Benzo[b]fluoranthene	252	12.285	12.285	0.000	98	1055163	10.0	9.51	
108 Benzo[k]fluoranthene	252	12.320	12.320	0.000	99	1072678	10.0	9.45	
109 Benzo[a]pyrene	252	12.708	12.708	0.000	98	938167	10.0	9.67	
* 110 Perylene-d12	264	12.784	12.784	0.000	98	721470	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.251	14.251	0.000	99	989623	10.0	9.83	
112 Dibenz(a,h)anthracene	278	14.293	14.293	0.000	98	992661	10.0	8.98	
113 Benzo[g,h,i]perylene	276	14.629	14.629	0.000	97	1019304	10.0	9.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

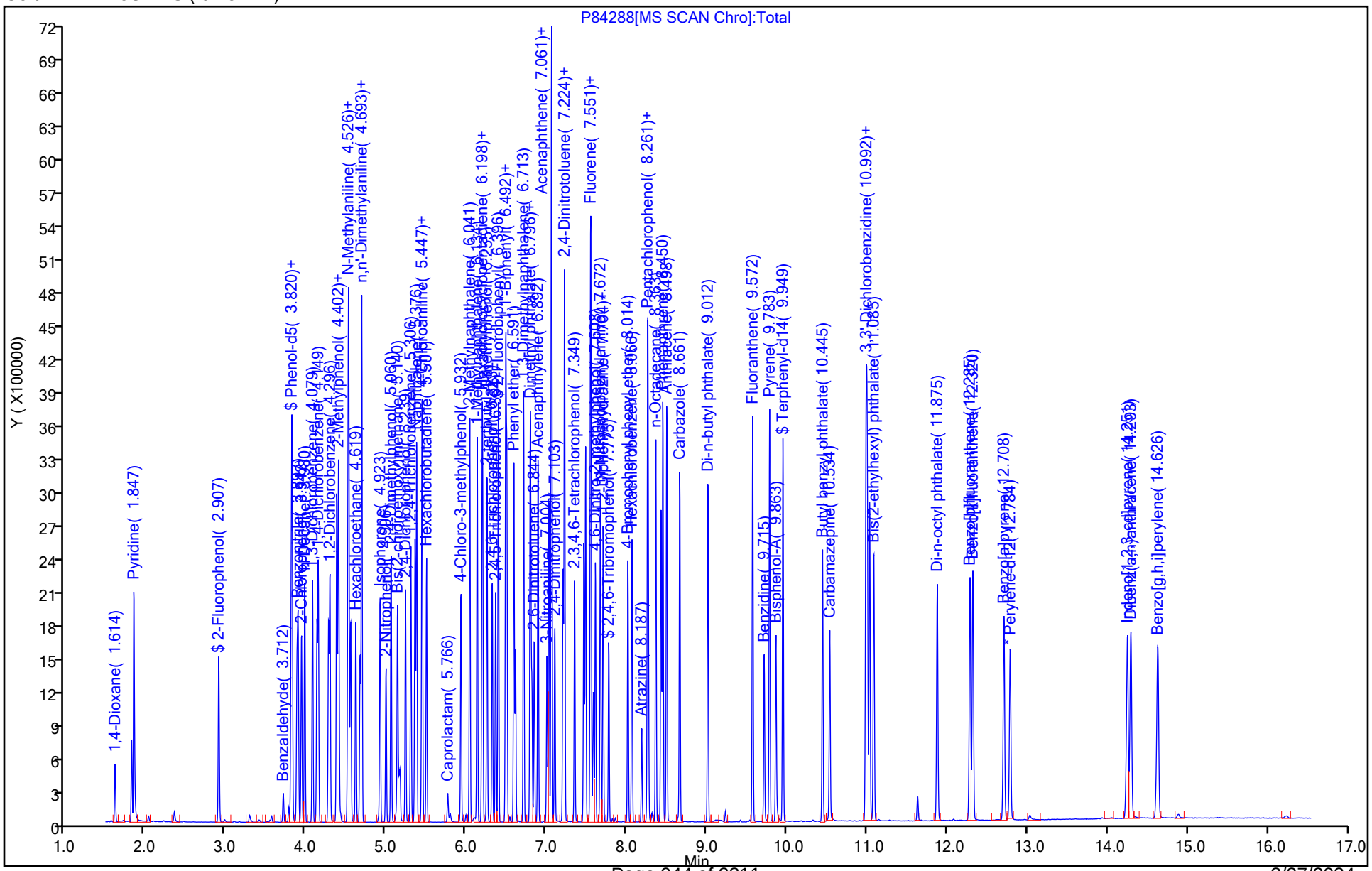
Report Date: 25-Mar-2024 08:13:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D

Injection Date:	22-Mar-2024 22:34:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

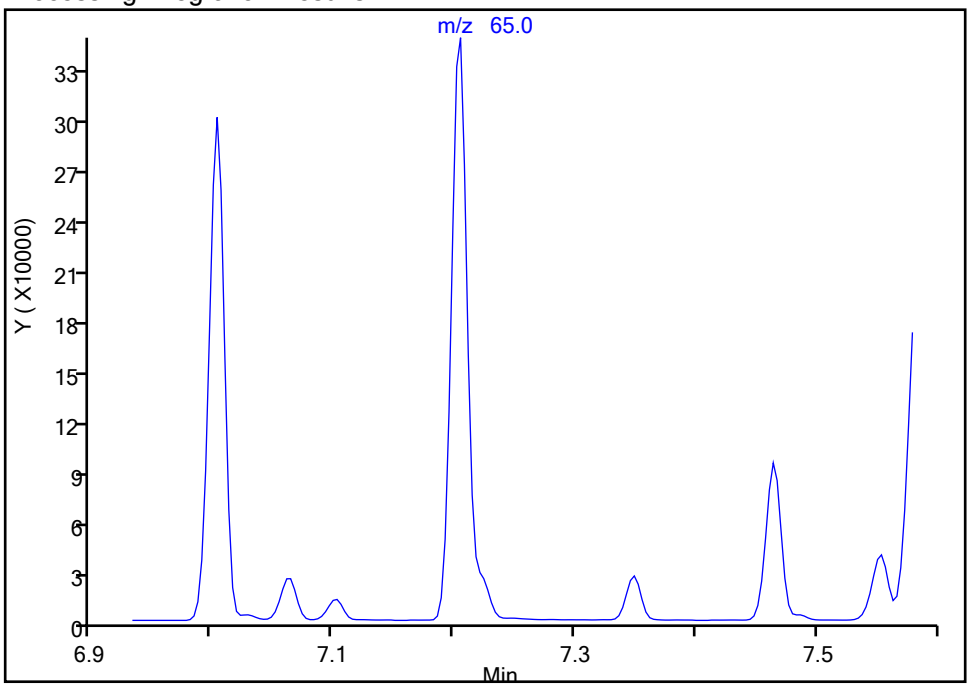
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D
Injection Date: 22-Mar-2024 22:34:30 Instrument ID: CBNAMS18
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

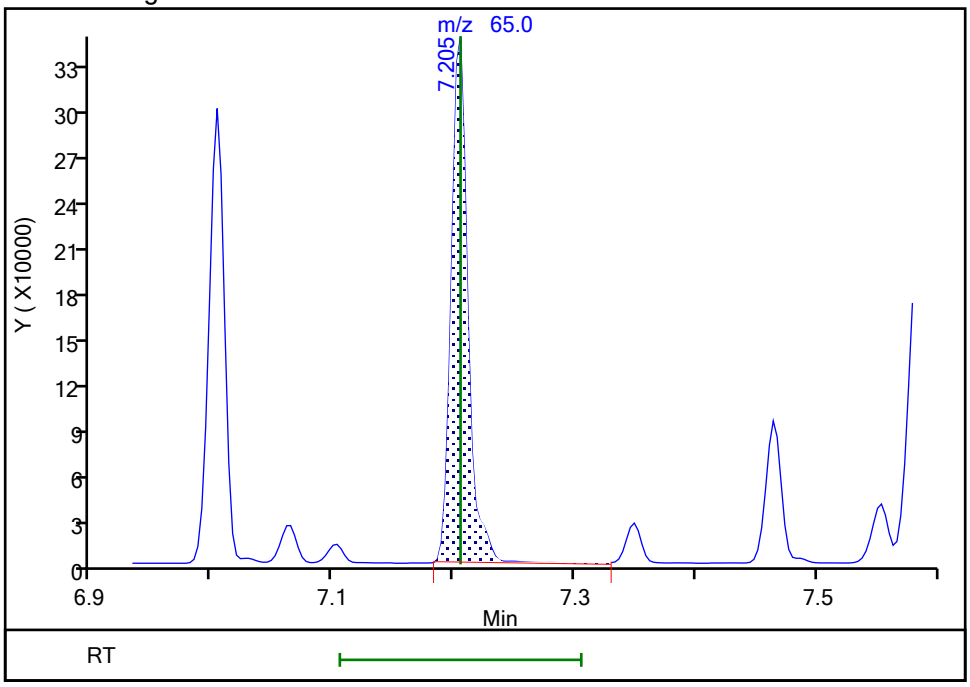
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 333479
Amount: 21.599881
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 22:56:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Mar-2024 11:06:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-001
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 07:39:09 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 05-Mar-2024 07:39:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	4.389	4.389	0.000	94	282759	NR	NR	
43 Benzidine_T	184	5.632	5.632	0.000	99	1669899	NR	NR	
123 DFTPP									
124 4,4'-DDE	246	6.066	6.066	0.000	55	882		NR	a
125 4,4'-DDD	235	6.159	6.159	0.000	91	1777		NR	
126 4,4'-DDT	235	6.275	6.275	0.000	98	842619	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

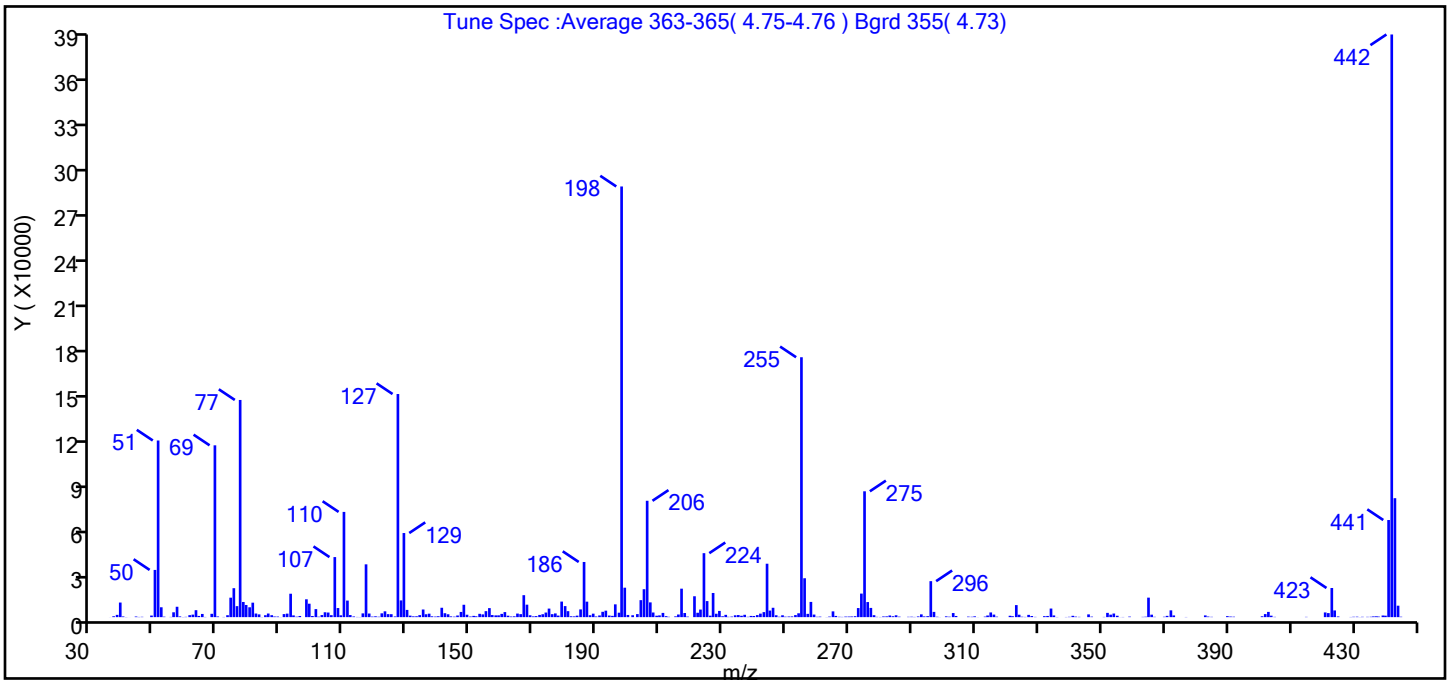
SMDFTP_CH_00036 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

123 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.8 (1.9)
69	Present	39.9
70	<2% of m/z 69	0.2 (0.4)
197	<2% of m/z 198	1.0
199	5-9% of m/z 198	6.8
365	>1% of m/z 198	4.5
441	<150% of m/z 443	22.6 (81.6)
442	Present	135.3
443	15-24% of m/z 442	27.6 (20.4)

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	33	127.00	146752	213.00	231	304.00	767
37.00	589	128.00	11011	215.00	527	308.00	347
38.00	1497	129.00	55320	216.00	1732	309.00	245
39.00	9601	130.00	4757	217.00	18728	310.00	527
40.00	453	131.00	990	218.00	2708	311.00	50
41.00	84	132.00	520	219.00	362	313.00	359
42.00	20	133.00	564	221.00	13738	314.00	1082
44.00	422	134.00	1310	222.00	2883	315.00	3089
45.00	138	135.00	5029	223.00	4987	316.00	1671
46.00	225	136.00	1904	224.00	42072	317.00	316
49.00	1043	137.00	2282	225.00	10561	321.00	901
50.00	31056	138.00	543	226.00	969	322.00	610
51.00	116184	139.00	376	227.00	15886	323.00	7920
52.00	6494	140.00	585	228.00	2235	324.00	1592
53.00	317	141.00	6175	229.00	4088	325.00	278
55.00	144	142.00	2580	230.00	573	326.00	147
56.00	3195	143.00	1887	231.00	1513	327.00	1493
57.00	6829	144.00	501	232.00	220	328.00	736
58.00	478	145.00	331	233.00	372	329.00	168
59.00	90	146.00	1086	234.00	1212	332.00	639
60.00	192	147.00	3421	235.00	1366	333.00	783
61.00	1303	148.00	8145	236.00	913	334.00	5662
62.00	1650	149.00	1589	237.00	1545	335.00	1110
63.00	4572	150.00	418	238.00	224	336.00	111
64.00	798	151.00	842	239.00	808	339.00	112
65.00	2101	152.00	544	240.00	757	340.00	218
66.00	127	153.00	2185	241.00	1343	341.00	876
67.00	8	154.00	1823	242.00	2313	342.00	363
68.00	2194	155.00	3939	243.00	3304	343.00	187
69.00	113008	156.00	5939	244.00	35136	346.00	1809
70.00	450	157.00	1372	245.00	4328	347.00	345
72.00	119	158.00	1157	246.00	6166	351.00	144
73.00	1269	159.00	1181	247.00	1234	352.00	2805

Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	12802	160.00	2143	248.00	259	353.00	1633
75.00	19048	161.00	3320	249.00	1227	354.00	2381
76.00	7234	162.00	955	250.00	304	355.00	918
77.00	142848	163.00	417	251.00	416	356.00	44
78.00	9978	164.00	536	252.00	478	357.00	114
79.00	7996	165.00	2352	253.00	1347	359.00	353
80.00	6490	166.00	1981	254.00	2537	363.00	175
81.00	9518	167.00	14446	255.00	170944	364.00	283
82.00	2377	168.00	8204	256.00	25584	365.00	12824
83.00	1812	169.00	1233	257.00	2164	366.00	1625
84.00	87	170.00	485	258.00	10015	367.00	215
85.00	1264	171.00	683	259.00	1690	370.00	262
86.00	2380	172.00	1458	260.00	243	371.00	843
87.00	1277	173.00	1914	261.00	330	372.00	4468
88.00	416	174.00	3020	263.00	62	373.00	1121
89.00	385	175.00	5627	264.00	366	377.00	109
90.00	56	176.00	1954	265.00	3800	383.00	1143
91.00	2011	177.00	2437	266.00	795	384.00	404
92.00	2310	178.00	1021	267.00	241	385.00	204
93.00	15398	179.00	10235	268.00	162	390.00	667
94.00	1144	180.00	7254	269.00	364	391.00	389
95.00	302	181.00	3937	270.00	379	392.00	297
96.00	761	182.00	572	271.00	451	401.00	566
98.00	11745	183.00	491	272.00	621	402.00	2011
99.00	8836	184.00	990	273.00	5973	403.00	3451
100.00	750	185.00	5085	274.00	15489	404.00	958
101.00	5287	186.00	36280	275.00	82768	405.00	182
102.00	294	187.00	10186	276.00	9922	415.00	179
103.00	1364	188.00	1256	277.00	6067	421.00	3092
104.00	3199	189.00	2291	278.00	1279	422.00	2657
105.00	3028	190.00	425	279.00	197	423.00	19176
106.00	1282	191.00	1113	280.00	118	424.00	4407
107.00	39504	192.00	3511	281.00	455	425.00	442
108.00	5991	193.00	4248	282.00	503	429.00	116

Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	1204	194.00	1046	283.00	1086	430.00	245
110.00	69216	195.00	850	284.00	597	431.00	301
111.00	10897	196.00	8419	285.00	1226	432.00	64
112.00	1376	197.00	2913	286.00	325	433.00	222
113.00	450	198.00	283264	289.00	222	434.00	204
114.00	132	199.00	19368	290.00	284	435.00	260
115.00	104	200.00	1438	291.00	146	436.00	474
116.00	2473	201.00	1255	292.00	469	437.00	537
117.00	34736	203.00	2002	293.00	1824	438.00	375
118.00	2381	204.00	11174	294.00	469	439.00	1075
119.00	361	205.00	18368	295.00	642	440.00	955
120.00	555	206.00	76536	296.00	23664	441.00	63880
121.00	274	207.00	9705	297.00	3454	442.00	383232
122.00	2516	208.00	3049	298.00	269	443.00	78240
123.00	3832	209.00	938	299.00	51	444.00	7528
124.00	1977	210.00	1155	301.00	519	445.00	279
125.00	1942	211.00	2784	302.00	304		
126.00	441	212.00	638	303.00	2691		

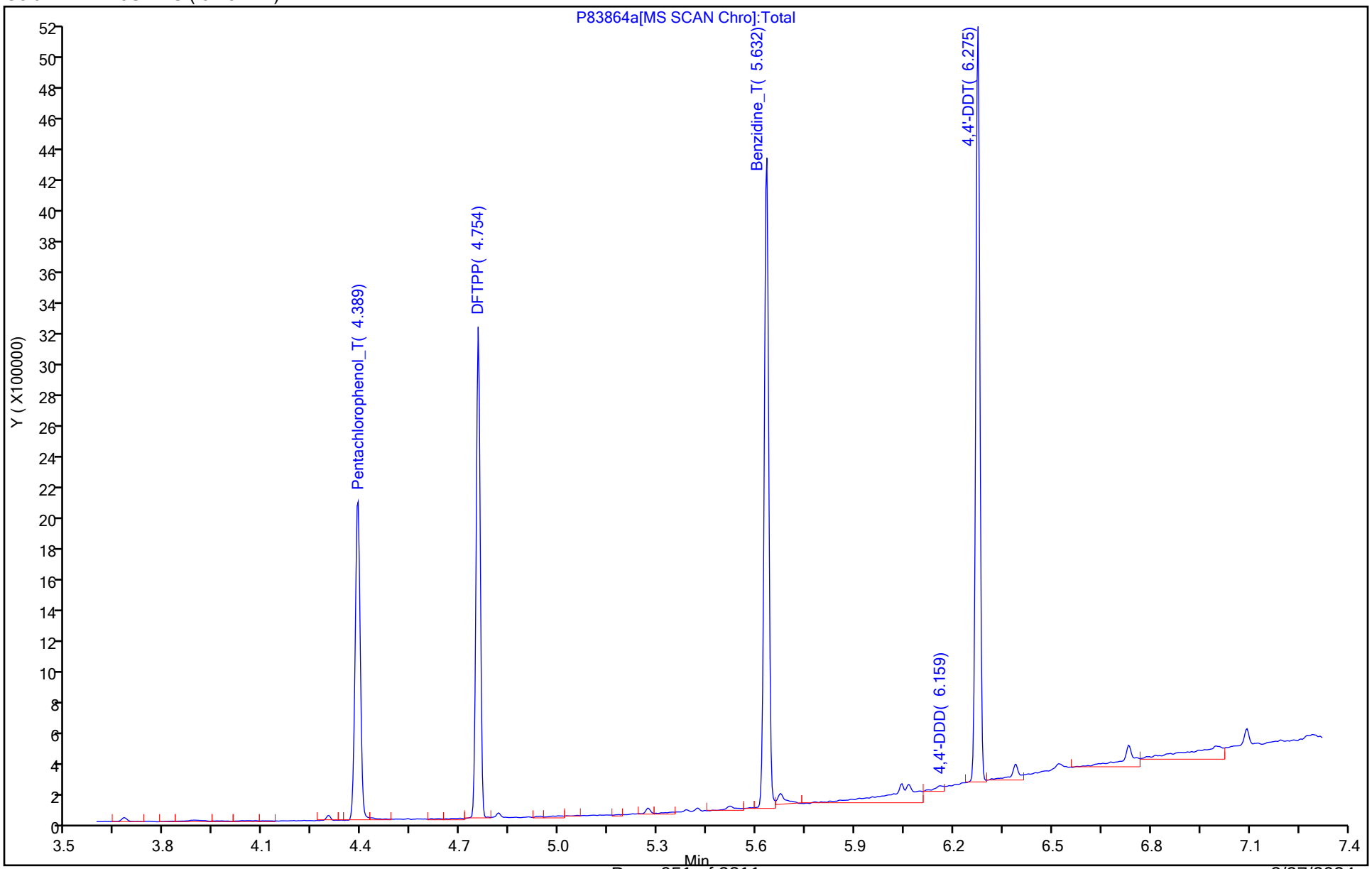
Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D

Injection Date:	04-Mar-2024 11:06:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

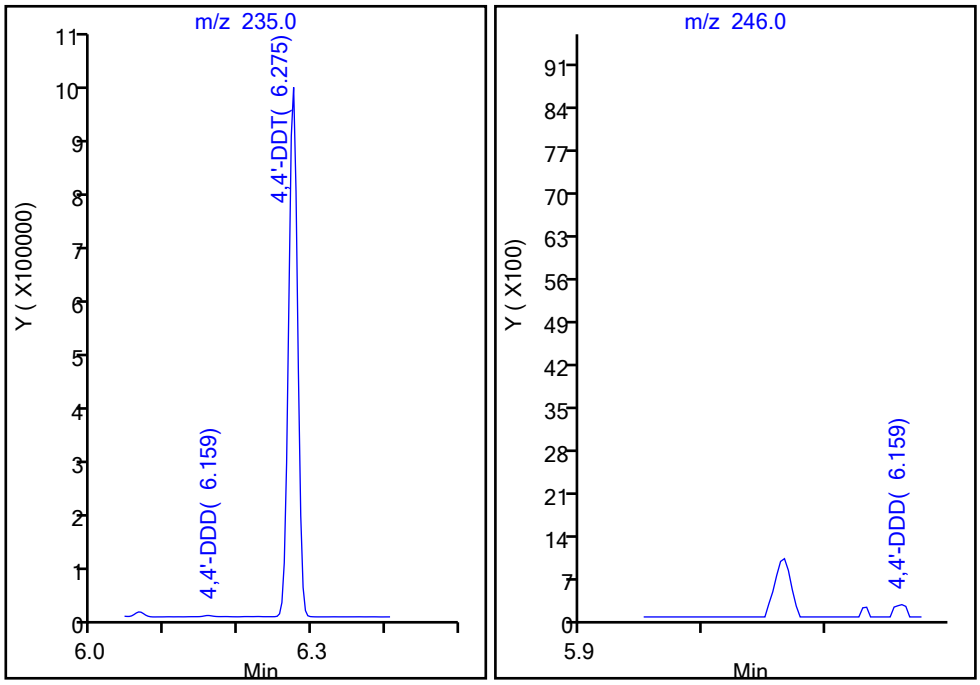
126 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 842619
125 4,4'-DDD, Area = 1777
124 4,4'-DDE, Area = 882

%Breakdown: 0.31%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

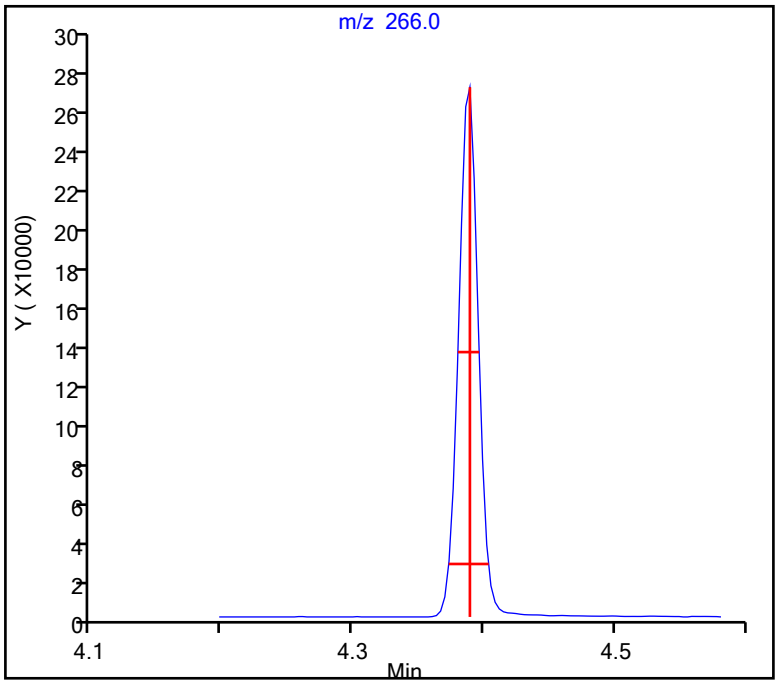
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.88, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

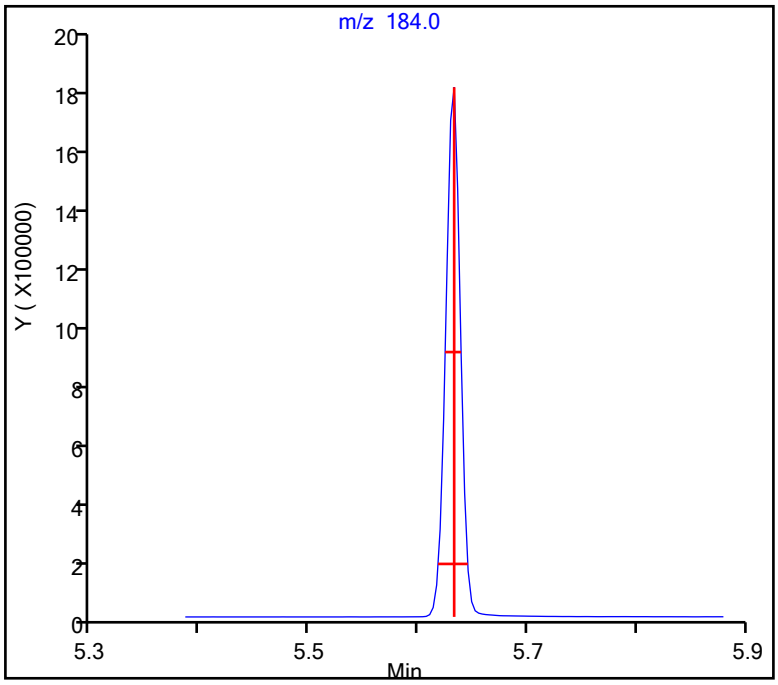
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		37-150
321-60-8	2-Fluorobiphenyl	82		46-139
367-12-4	2-Fluorophenol (Surr)	70		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	90		51-145
4165-62-2	Phenol-d5 (Surr)	55		10-56
1718-51-0	Terphenyl-d14 (Surr)	57		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D
Lims ID: MB 460-965454/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:30:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-023
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 14:33:37 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 14:33:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.907	2.911	-0.007	96	330774	10.0	7.00	
$ 6 Phenol-d5	99	3.807	3.807	-0.004	99	308811	10.0	5.50	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	96	295902	8.00	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.668	-0.002	86	448408	10.0	9.03	
* 38 Naphthalene-d8	136	5.355	5.358	-0.003	99	1226488	8.00	8.00	
$ 53 2-Fluorobiphenyl	172	6.396	6.395	-0.001	97	1070443	10.0	8.24	
* 64 Acenaphthene-d10	164	7.024	7.027	-0.003	95	703858	8.00	8.00	
$ 79 2,4,6-Tribromophenol	330	7.772	7.773	-0.003	93	193468	10.0	8.73	
* 88 Phenanthrene-d10	188	8.426	8.428	-0.002	98	1305131	8.00	8.00	
96 Bisphenol-A	213	9.949	9.859	0.086	55	8837		0.1448	
$ 97 Terphenyl-d14	244	9.949	9.946	0.000	97	758596	10.0	5.69	
* 103 Chrysene-d12	240	10.997	11.001	-0.004	99	876030	8.00	8.00	
* 110 Perylene-d12	264	12.783	12.782	0.001	98	880959	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 14:33:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D

Injection Date: 22-Mar-2024 13:30:30 Instrument ID: CBNAMS18 Operator ID:

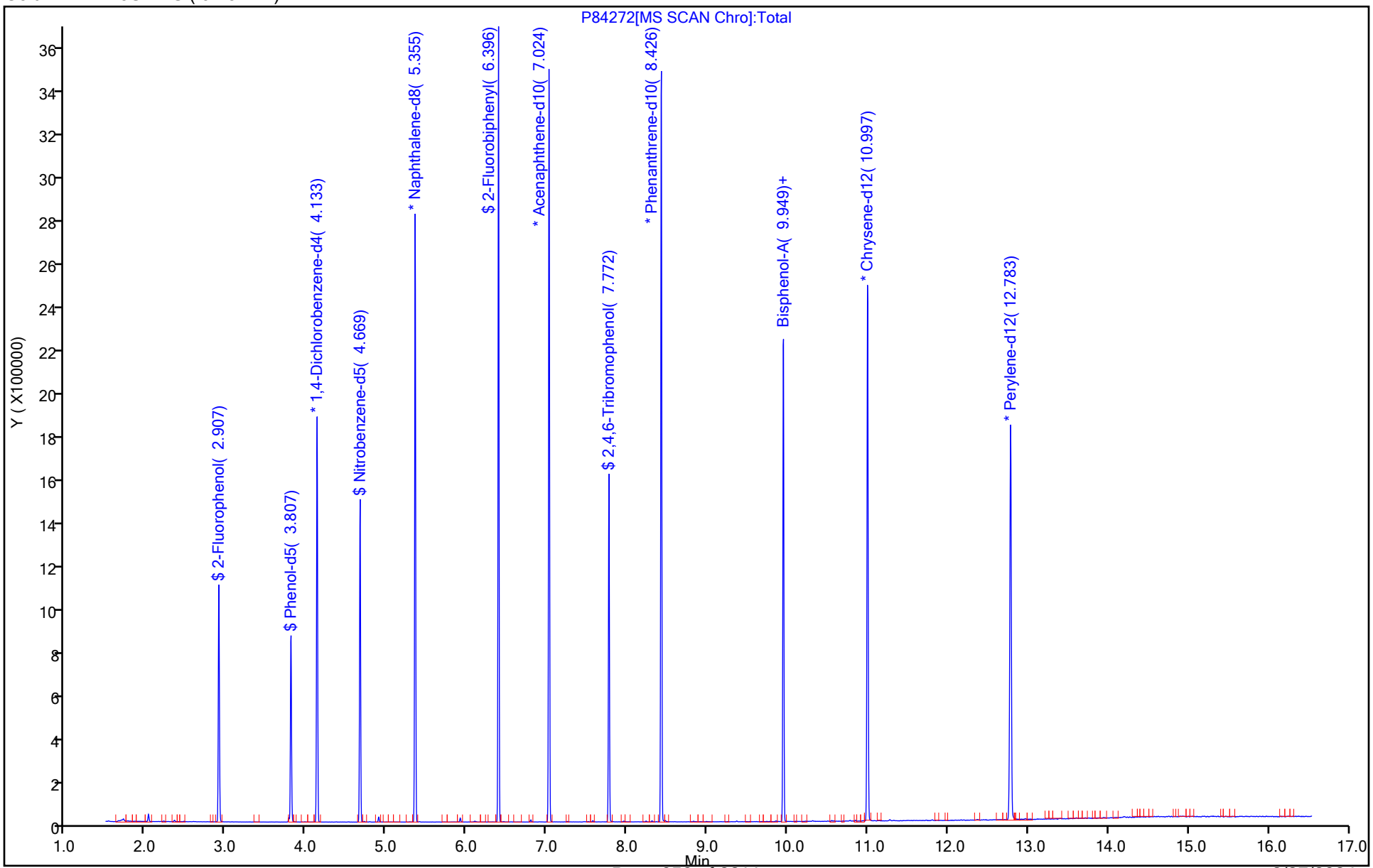
Lims ID: MB 460-965454/1-A Worklist Smp#: 23

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 23

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D
Lims ID: MB 460-965454/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:30:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-023
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 14:33:37 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 14:33:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.00	70.01
$ 6 Phenol-d5	10.0	5.50	55.03
$ 28 Nitrobenzene-d5	10.0	9.03	90.26
$ 53 2-Fluorobiphenyl	10.0	8.24	82.40
$ 79 2,4,6-Tribromophenol	10.0	8.73	87.35
$ 97 Terphenyl-d14	10.0	5.69	56.87

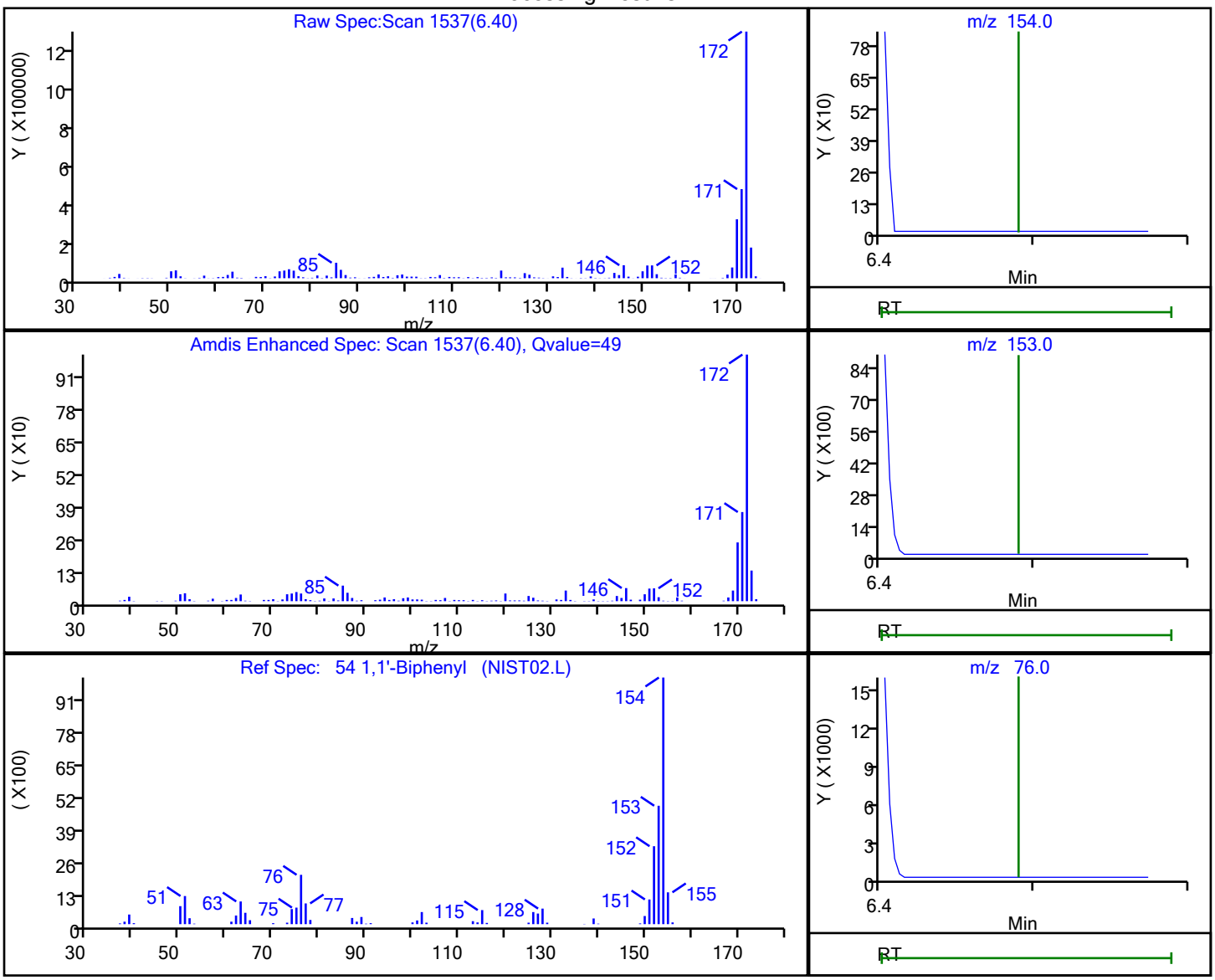
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	1942	0.013340
6.40	153.00	17545	
6.40	76.00	33770	

Reviewer: G4KC, 22-Mar-2024 14:32:55 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

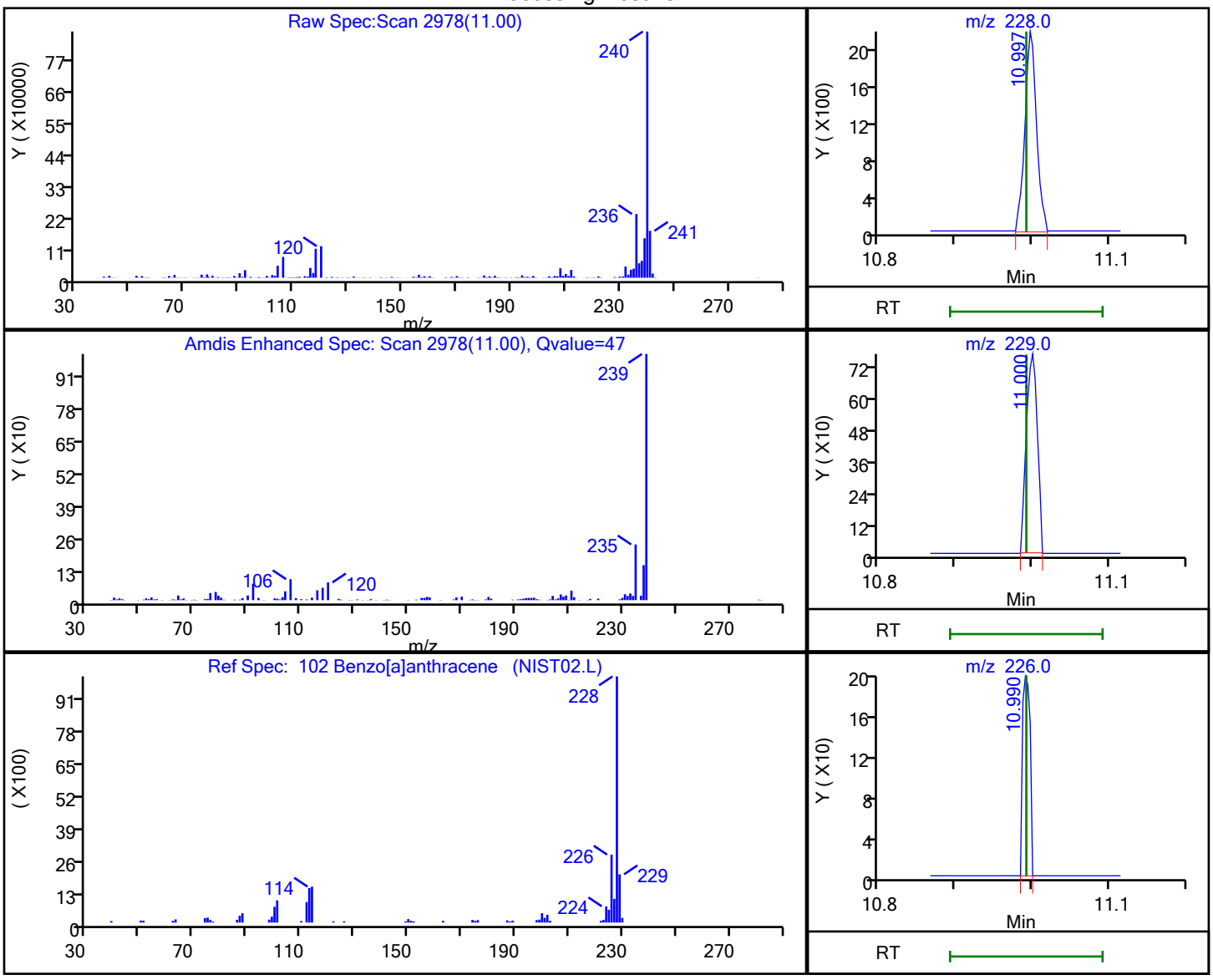
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
11.00	228.00	2257	0.015794
11.00	229.00	766	
10.99	226.00	137	

Reviewer: G4KC, 22-Mar-2024 14:33:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

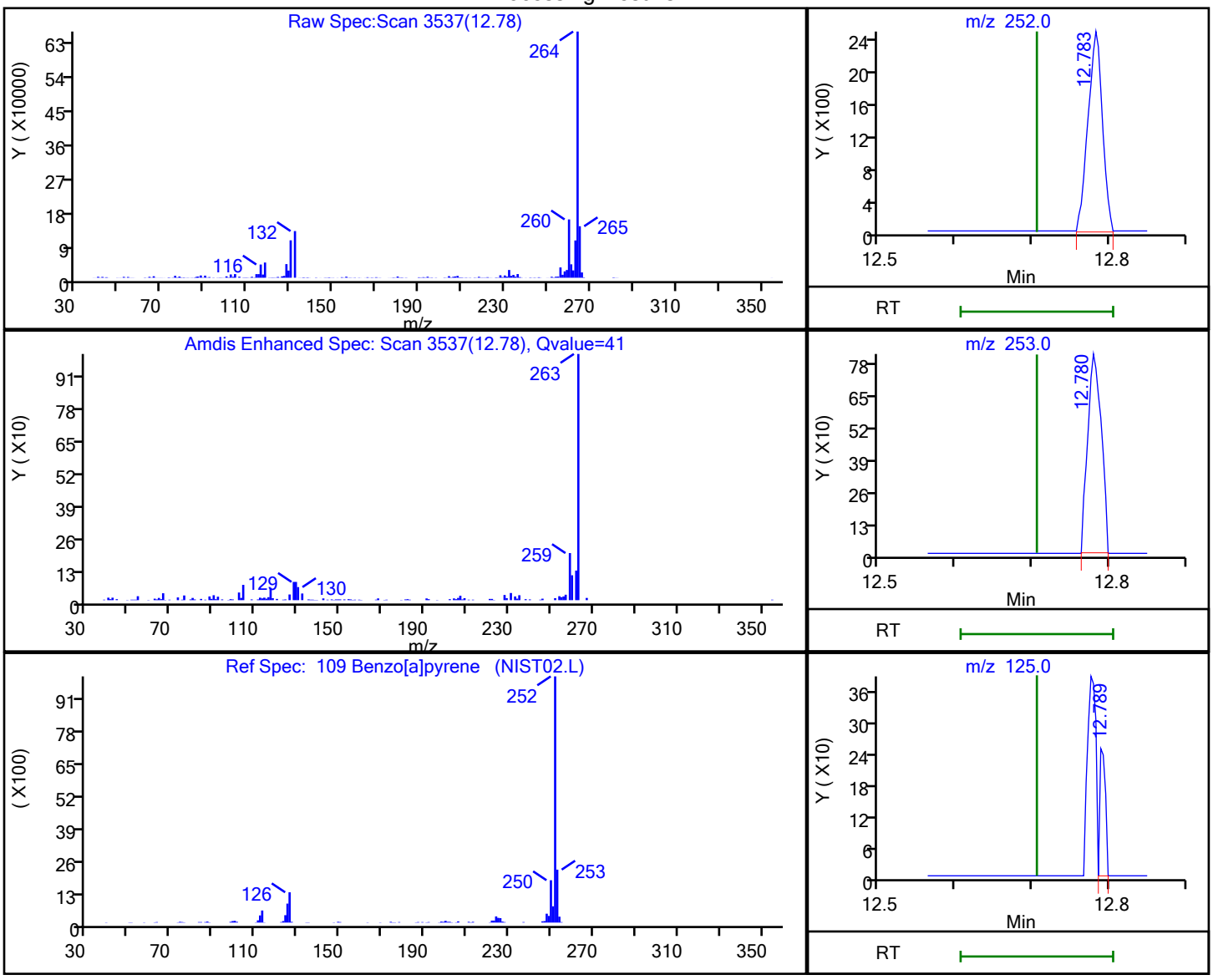
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.78	252.00	3255	0.027474
12.78	253.00	1014	
12.79	125.00	122	

Reviewer: G4KC, 22-Mar-2024 14:33:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

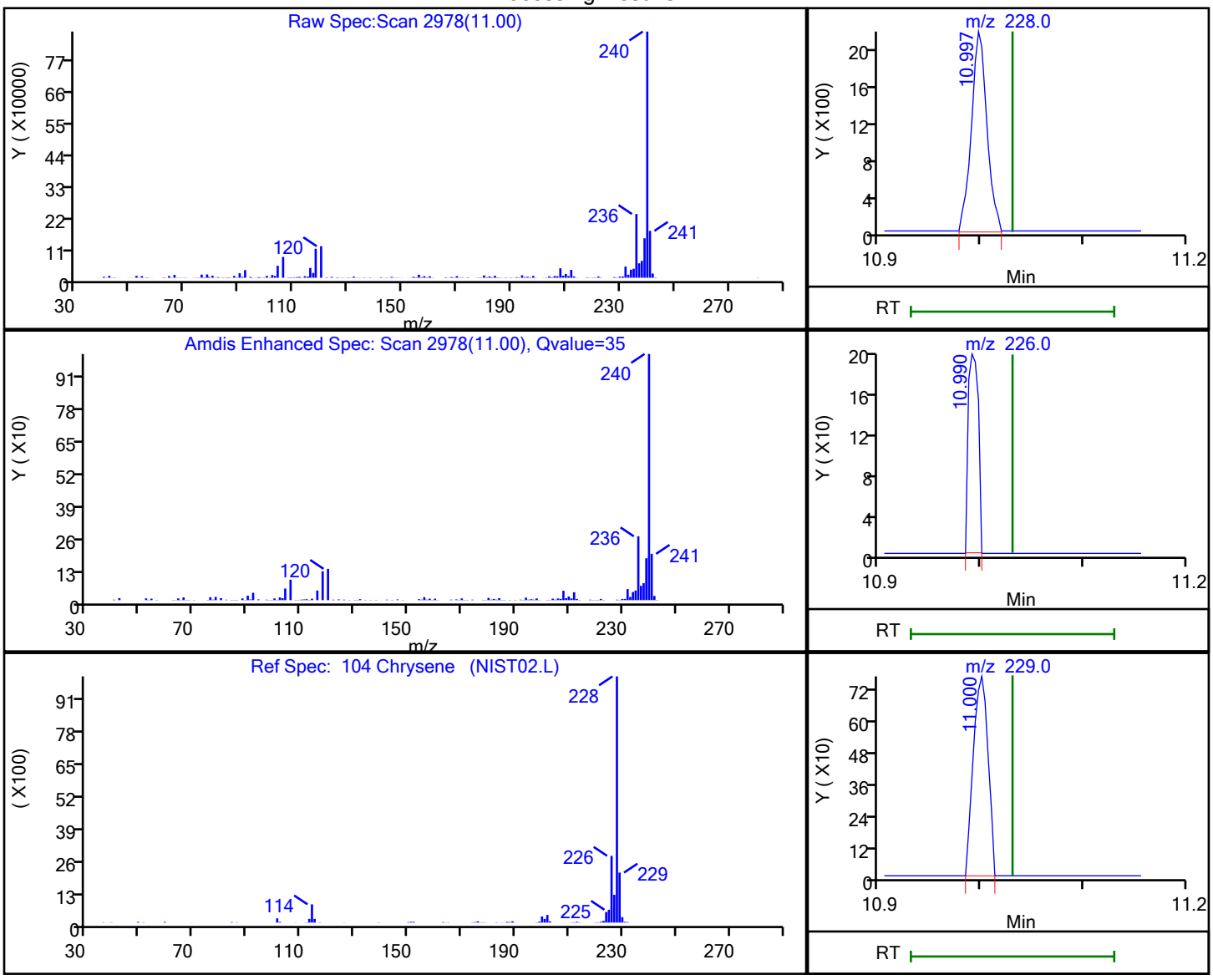
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.00	228.00	2257	0.016919
10.99	226.00	137	
11.00	229.00	766	

Reviewer: G4KC, 22-Mar-2024 14:33:02 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	68.2		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	57.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	77.2		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	78.4		10	0.75
95-95-4	2,4,5-Trichlorophenol	73.1		10	0.88
88-06-2	2,4,6-Trichlorophenol	77.3		10	0.86
120-83-2	2,4-Dichlorophenol	71.6		10	1.1
105-67-9	2,4-Dimethylphenol	50.6		10	0.62
51-28-5	2,4-Dinitrophenol	150		40	2.6
121-14-2	2,4-Dinitrotoluene	105		10	1.0
606-20-2	2,6-Dinitrotoluene	91.1		2.0	0.83
91-58-7	2-Chloronaphthalene	64.6		10	1.2
95-57-8	2-Chlorophenol	62.5		10	0.38
91-57-6	2-Methylnaphthalene	60.9		10	0.53
95-48-7	2-Methylphenol	56.6		10	0.67
88-74-4	2-Nitroaniline	93.3		10	0.47
88-75-5	2-Nitrophenol	75.3		10	0.75
91-94-1	3,3'-Dichlorobenzidine	89.6		10	1.4
99-09-2	3-Nitroaniline	69.6		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	164		20	3.0
101-55-3	4-Bromophenyl phenyl ether	78.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.1		10	0.58
106-47-8	4-Chloroaniline	64.8		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.7		10	1.3
106-44-5	4-Methylphenol	50.4		10	0.65
100-01-6	4-Nitroaniline	85.6		10	1.2
100-02-7	4-Nitrophenol	80.8		20	4.0
83-32-9	Acenaphthene	83.5		10	1.1
208-96-8	Acenaphthylene	73.9		10	0.82
98-86-2	Acetophenone	89.7		10	2.3
120-12-7	Anthracene	89.6		10	1.3
1912-24-9	Atrazine	53.0		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	47.0		10	2.1
56-55-3	Benzo[a]anthracene	92.4		1.0	0.59
50-32-8	Benzo[a]pyrene	91.6		1.0	0.41
205-99-2	Benzo[b]fluoranthene	89.2		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	81.6		10	0.70
207-08-9	Benzo[k]fluoranthene	89.3		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	80.1		10	0.59
111-44-4	Bis(2-chloroethyl)ether	79.1		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	107		2.0	0.80
85-68-7	Butyl benzyl phthalate	101		10	0.85
105-60-2	Caprolactam	11.2		10	2.2
86-74-8	Carbazole	92.7		10	0.68
218-01-9	Chrysene	89.4		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	85.2		1.0	0.72
132-64-9	Dibenzofuran	82.5		10	1.1
84-66-2	Diethyl phthalate	87.8		10	0.98
131-11-3	Dimethyl phthalate	88.7		10	0.77
84-74-2	Di-n-butyl phthalate	99.2		10	0.84
117-84-0	Di-n-octyl phthalate	104		10	0.75
206-44-0	Fluoranthene	94.3		10	0.84
86-73-7	Fluorene	88.0		10	0.91
118-74-1	Hexachlorobenzene	84.1		1.0	0.40
87-68-3	Hexachlorobutadiene	37.6		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	21.2		10	3.6
67-72-1	Hexachloroethane	37.3		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	95.4		2.0	0.94
78-59-1	Isophorone	89.6		10	0.80
91-20-3	Naphthalene	58.3		2.0	0.54
98-95-3	Nitrobenzene	88.1		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	91.9		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	84.1		10	0.89
87-86-5	Pentachlorophenol	171		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	87.6		10	1.3
108-95-2	Phenol	32.2		10	0.29
129-00-0	Pyrene	91.9		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	52		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	109		51-145
4165-62-2	Phenol-d5 (Surr)	39		10-56
1718-51-0	Terphenyl-d14 (Surr)	80		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D
Lims ID: LCS 460-965454/17-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:09:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.614	1.614	0.000	92	88068	10.0	4.77	
	2 N-Nitrosodimethylamine	74	1.822	1.822	0.000	88	143246	10.0	5.12	
	3 Pyridine	79	1.857	1.847	0.010	95	142135	20.0	3.28	
$	4 2-Fluorophenol	112	2.910	2.907	0.003	96	222916	10.0	5.23	
	5 Benzaldehyde	77	3.711	3.715	-0.004	95	191996	5.00	5.88	E
$	6 Phenol-d5	99	3.810	3.811	-0.001	99	198429	10.0	3.92	
	8 Aniline	93	3.820	3.820	0.000	88	327541	10.0	5.35	
	7 Phenol	94	3.820	3.823	-0.003	85	234568	10.0	4.03	
	9 Bis(2-chloroethyl)ether	93	3.881	3.884	-0.003	99	445467	10.0	9.89	
	10 Benzonitrile	103	3.897	3.897	0.000	98	884625	NC	NC	
	11 2-Chlorophenol	128	3.942	3.942	0.000	97	370114	10.0	7.81	
	12 n-Decane	43	3.980	3.980	0.000	86	152106	10.0	3.97	
	13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	97	267657	10.0	4.96	
*	14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	267156	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	96	286293	10.0	5.20	
	17 Benzyl alcohol	108	4.277	4.277	0.000	95	216376	10.0	7.17	
	18 1,2-Dichlorobenzene	146	4.296	4.296	0.000	98	282927	10.0	5.42	
	20 2-Methylphenol	108	4.402	4.402	0.000	85	295757	10.0	7.07	
	21 2,2'-oxybis[1-chloropropane]	45	4.398	4.405	-0.007	90	462556	10.0	9.65	
	22 N-Methylaniline	106	4.520	4.520	0.000	99	623295	10.0	9.39	
	23 Acetophenone	105	4.526	4.530	-0.004	94	731625	10.0	11.2	
	24 N-Nitrosodi-n-propylamine	70	4.529	4.533	-0.004	85	337738	10.0	11.5	
	26 4-Methylphenol	108	4.552	4.555	-0.003	98	281906	10.0	6.30	
	25 3 & 4 Methylphenol	108	4.552	4.555	-0.003	62	282724	10.0	6.32	
	27 Hexachloroethane	117	4.616	4.616	0.000	94	87395	10.0	4.66	
$	28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	477605	10.0	10.9	
	29 Nitrobenzene	123	4.692	4.693	-0.001	95	257226	10.0	11.0	
	30 n,n'-Dimethylaniline	120	4.692	4.693	-0.001	94	642598	10.0	8.85	
	31 Isophorone	82	4.919	4.923	-0.004	99	902756	10.0	11.2	
	32 2-Nitrophenol	139	4.996	4.996	0.000	94	245470	10.0	9.42	
	33 2,4-Dimethylphenol	122	5.057	5.060	-0.003	91	252183	10.0	6.32	
	34 Bis(2-chloroethoxy)methane	93	5.136	5.140	-0.004	98	561845	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.146	5.169	-0.023	92	97184	10.0	3.77	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	360006	10.0	8.95	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	242674	10.0	5.33	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1080561	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1076995	10.0	7.29	
40 4-Chloroaniline	127	5.443	5.444	-0.001	98	434544	10.0	8.10	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	97	382652	10.0	9.48	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	117839	10.0	4.69	
44 Caprolactam	113	5.763	5.766	-0.003	93	13863	5.00	1.40	
45 4-Chloro-3-methylphenol	107	5.929	5.932	-0.003	96	327814	10.0	8.64	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	724670	10.0	7.62	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	92	682395	10.0	7.65	
48 Hexachlorocyclopentadiene	237	6.191	6.195	-0.004	96	82439	10.0	2.65	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	98	336674	10.0	7.24	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	630633	10.0	11.6	
51 2,4,6-Trichlorophenol	196	6.319	6.323	-0.004	91	278406	10.0	9.66	
52 2,4,5-Trichlorophenol	196	6.361	6.364	-0.003	98	289662	10.0	9.14	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	969825	10.0	8.87	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1045189	10.0	8.53	
55 2-Chloronaphthalene	162	6.501	6.502	-0.001	98	767459	10.0	8.07	
56 Phenyl ether	170	6.591	6.591	0.000	85	553097	10.0	8.56	
57 2-Nitroaniline	65	6.610	6.610	0.000	93	250629	10.0	11.7	
58 1,3-Dimethylnaphthalene	156	6.712	6.713	-0.001	92	664488	10.0	9.13	
59 Dimethyl phthalate	163	6.792	6.796	-0.004	99	1108495	10.0	11.1	
60 Coumarin	146	6.802	6.802	0.000	80	362524	10.0	11.8	
61 2,6-Dinitrotoluene	165	6.844	6.847	-0.003	96	239935	10.0	11.4	
62 Acenaphthylene	152	6.892	6.892	0.000	97	1367664	10.0	9.23	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	201538	10.0	8.69	
* 64 Acenaphthene-d10	164	7.026	7.029	-0.003	95	592499	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	95	922645	10.0	10.4	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	779801	10.0	9.58	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	252514	20.0	18.8	
68 4-Nitrophenol	65	7.202	7.205	-0.003	90	153464	20.0	10.1	
69 2,4-Dinitrotoluene	165	7.221	7.224	-0.003	64	347208	10.0	13.2	
70 Dibenzofuran	168	7.221	7.224	-0.003	96	1365021	10.0	10.3	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	95	247219	10.0	9.80	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	1065350	10.0	11.0	
73 Fluorene	166	7.544	7.547	-0.003	94	1150246	10.0	11.0	
74 4-Chlorophenyl phenyl ether	204	7.554	7.554	0.000	91	533809	10.0	10.5	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	222684	10.0	10.7	
76 4,6-Dinitro-2-methylphenol	198	7.608	7.608	0.000	87	355782	20.0	20.5	
77 N-Nitrosodiphenylamine	169	7.669	7.672	-0.003	98	777527	10.0	10.5	
78 1,2-Diphenylhydrazine	77	7.704	7.704	0.000	99	1043642	10.0	10.9	
131 Azobenzene	77	7.704	7.704	0.000	0	1043419	10.0	10.9	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	94	195028	10.0	10.5	
80 4-Bromophenyl phenyl ether	248	8.015	8.014	0.001	92	301811	10.0	9.85	
82 Hexachlorobenzene	284	8.063	8.066	-0.003	97	393298	10.0	10.5	
83 Atrazine	200	8.188	8.187	0.001	94	149129	5.00	6.62	E
84 Pentachlorophenol	266	8.261	8.261	0.000	94	455027	20.0	21.3	
85 Pentachloronitrobenzene	237	8.268	8.267	0.001	89	145852	10.0	12.4	
87 n-Octadecane	57	8.361	8.363	-0.002	90	621547	10.0	10.4	
* 88 Phenanthrene-d10	188	8.428	8.427	0.001	98	1048366	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.450	8.450	0.000	97	1573445	10.0	11.0	
90 Anthracene	178	8.498	8.498	0.000	98	1621487	10.0	11.2	
91 Carbazole	167	8.662	8.661	0.001	96	1446894	10.0	11.6	
92 Di-n-butyl phthalate	149	9.010	9.012	-0.002	99	1812407	10.0	12.4	
93 Fluoranthene	202	9.570	9.572	-0.002	98	1611166	10.0	11.8	
94 Benzidine	184	9.714	9.715	-0.001	99	413172	10.0	6.58	
95 Pyrene	202	9.782	9.783	-0.001	97	1695608	10.0	11.5	
96 Bisphenol-A	213	9.862	9.863	-0.001	98	208655	5.00	3.91	
$ 97 Terphenyl-d14	244	9.948	9.949	-0.001	97	928332	10.0	7.96	
98 Butyl benzyl phthalate	149	10.444	10.445	-0.001	96	697137	10.0	12.6	
100 Carbamazepine	193	10.534	10.534	0.000	92	472170	10.0	10.8	
101 3,3'-Dichlorobenzidine	252	10.982	10.986	-0.004	99	498330	10.0	11.2	
102 Benzo[a]anthracene	228	10.992	10.995	-0.003	99	1443082	10.0	11.6	
* 103 Chrysene-d12	240	11.001	11.005	-0.004	99	765831	8.00	8.00	
104 Chrysene	228	11.030	11.031	-0.001	98	1303299	10.0	11.2	
105 Bis(2-ethylhexyl) phthalate	149	11.082	11.085	-0.003	86	983146	10.0	13.4	
106 Di-n-octyl phthalate	149	11.875	11.875	0.000	96	1555346	10.0	13.0	
107 Benzo[b]fluoranthene	252	12.282	12.285	-0.003	98	1265214	10.0	11.2	
108 Benzo[k]fluoranthene	252	12.320	12.320	0.000	99	1295021	10.0	11.2	
109 Benzo[a]pyrene	252	12.708	12.708	0.000	98	1135589	10.0	11.4	
* 110 Perylene-d12	264	12.784	12.784	0.000	99	737647	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.247	14.251	-0.004	99	1227427	10.0	11.9	
112 Dibenz(a,h)anthracene	278	14.292	14.293	-0.001	98	1204455	10.0	10.7	
113 Benzo[g,h,i]perylene	276	14.628	14.629	-0.001	97	1168972	10.0	10.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 08:14:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D

Injection Date: 22-Mar-2024 23:41:30 Instrument ID: CBNAMS18 Operator ID:

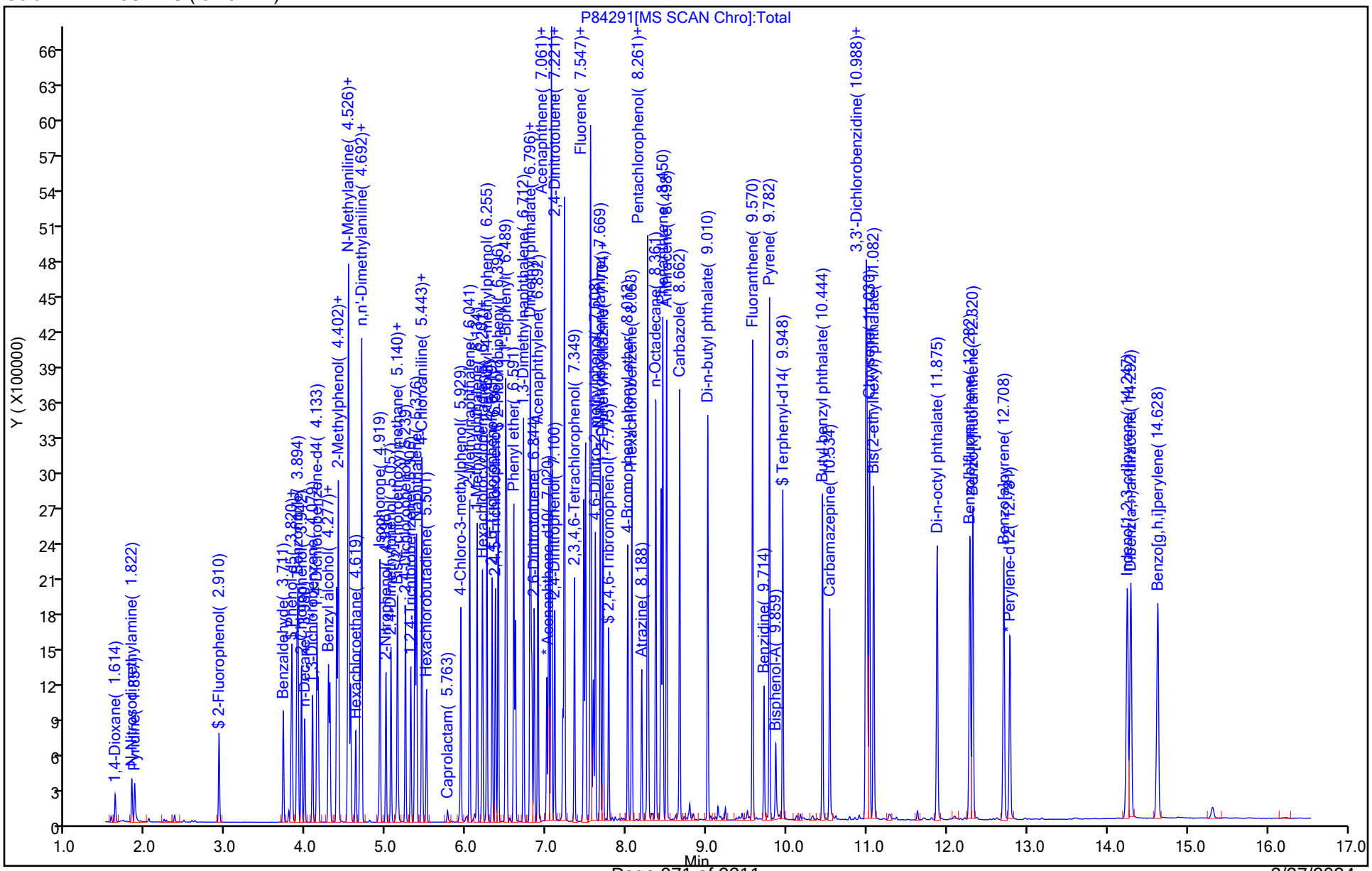
Lims ID: LCS 460-965454/17-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D
Lims ID: LCS 460-965454/17-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:09:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.23	52.26
$ 6 Phenol-d5	10.0	3.92	39.16
$ 28 Nitrobenzene-d5	10.0	10.9	109.12
$ 53 2-Fluorobiphenyl	10.0	8.87	88.69
$ 79 2,4,6-Tribromophenol	10.0	10.5	104.60
$ 97 Terphenyl-d14	10.0	7.96	79.60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	68.1		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	57.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	79.8		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	77.2		10	0.75
95-95-4	2,4,5-Trichlorophenol	72.7		10	0.88
88-06-2	2,4,6-Trichlorophenol	77.3		10	0.86
120-83-2	2,4-Dichlorophenol	71.7		10	1.1
105-67-9	2,4-Dimethylphenol	51.3		10	0.62
51-28-5	2,4-Dinitrophenol	153		40	2.6
121-14-2	2,4-Dinitrotoluene	105		10	1.0
606-20-2	2,6-Dinitrotoluene	92.4		2.0	0.83
91-58-7	2-Chloronaphthalene	65.1		10	1.2
95-57-8	2-Chlorophenol	62.0		10	0.38
91-57-6	2-Methylnaphthalene	59.6		10	0.53
95-48-7	2-Methylphenol	58.4		10	0.67
88-74-4	2-Nitroaniline	96.5		10	0.47
88-75-5	2-Nitrophenol	76.0		10	0.75
91-94-1	3,3'-Dichlorobenzidine	88.7		10	1.4
99-09-2	3-Nitroaniline	69.4		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	164		20	3.0
101-55-3	4-Bromophenyl phenyl ether	76.2		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.0		10	0.58
106-47-8	4-Chloroaniline	65.3		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.6		10	1.3
106-44-5	4-Methylphenol	51.0		10	0.65
100-01-6	4-Nitroaniline	87.0		10	1.2
100-02-7	4-Nitrophenol	83.0		20	4.0
83-32-9	Acenaphthene	82.6		10	1.1
208-96-8	Acenaphthylene	73.7		10	0.82
98-86-2	Acetophenone	91.8		10	2.3
120-12-7	Anthracene	87.9		10	1.3
1912-24-9	Atrazine	52.4		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	48.7		10	2.1
56-55-3	Benzo[a]anthracene	92.2		1.0	0.59
50-32-8	Benzo[a]pyrene	91.5		1.0	0.41
205-99-2	Benzo[b]fluoranthene	88.2		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	81.0		10	0.70
207-08-9	Benzo[k]fluoranthene	89.6		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	80.6		10	0.59
111-44-4	Bis(2-chloroethyl)ether	80.7		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	109		2.0	0.80
85-68-7	Butyl benzyl phthalate	103		10	0.85
105-60-2	Caprolactam	11.2		10	2.2
86-74-8	Carbazole	91.8		10	0.68
218-01-9	Chrysene	90.6		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	86.7		1.0	0.72
132-64-9	Dibenzofuran	82.8		10	1.1
84-66-2	Diethyl phthalate	88.9		10	0.98
131-11-3	Dimethyl phthalate	89.3		10	0.77
84-74-2	Di-n-butyl phthalate	98.5		10	0.84
117-84-0	Di-n-octyl phthalate	105		10	0.75
206-44-0	Fluoranthene	92.9		10	0.84
86-73-7	Fluorene	87.2		10	0.91
118-74-1	Hexachlorobenzene	81.4		1.0	0.40
87-68-3	Hexachlorobutadiene	38.2		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	20.8		10	3.6
67-72-1	Hexachloroethane	37.9		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	94.5		2.0	0.94
78-59-1	Isophorone	88.5		10	0.80
91-20-3	Naphthalene	58.0		2.0	0.54
98-95-3	Nitrobenzene	88.0		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	93.0		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	82.9		10	0.89
87-86-5	Pentachlorophenol	168		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	88.0		10	1.3
108-95-2	Phenol	32.7		10	0.29
129-00-0	Pyrene	92.3		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	54		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	109		51-145
4165-62-2	Phenol-d5 (Surr)	40		10-56
1718-51-0	Terphenyl-d14 (Surr)	79		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D
Lims ID: LCSD 460-965454/18-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 00:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:31:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.608	1.614	-0.006	93	88311	10.0	4.89	
2 N-Nitrosodimethylamine	74	1.815	1.822	-0.007	88	145453	10.0	5.31	
3 Pyridine	79	1.850	1.847	0.003	95	144929	20.0	3.42	
$ 4 2-Fluorophenol	112	2.907	2.907	0.000	96	227323	10.0	5.44	
5 Benzaldehyde	77	3.711	3.715	-0.004	95	194965	5.00	6.09	E
$ 6 Phenol-d5	99	3.807	3.811	-0.004	98	200460	10.0	4.04	
8 Aniline	93	3.820	3.820	0.000	86	326679	10.0	5.45	
7 Phenol	94	3.820	3.823	-0.003	84	233131	10.0	4.09	
9 Bis(2-chloroethyl)ether	93	3.881	3.884	-0.003	100	444871	10.0	10.1	
10 Benzonitrile	103	3.894	3.897	-0.003	98	889240	NC	NC	
11 2-Chlorophenol	128	3.938	3.942	-0.004	97	359234	10.0	7.75	
12 n-Decane	43	3.980	3.980	0.000	87	153549	10.0	4.09	
13 1,3-Dichlorobenzene	146	4.076	4.079	-0.003	96	263032	10.0	4.98	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	261565	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	96	280392	10.0	5.20	
17 Benzyl alcohol	108	4.277	4.277	0.000	95	214322	10.0	7.25	
18 1,2-Dichlorobenzene	146	4.293	4.296	-0.003	97	279626	10.0	5.47	
20 2-Methylphenol	108	4.402	4.402	0.000	88	298681	10.0	7.30	
21 2,2'-oxybis[1-chloropropane]	45	4.398	4.405	-0.007	90	468452	10.0	9.98	
22 N-Methylaniline	106	4.520	4.520	0.000	98	617472	10.0	9.50	
23 Acetophenone	105	4.526	4.530	-0.004	93	732544	10.0	11.5	
24 N-Nitrosodi-n-propylamine	70	4.529	4.533	-0.004	86	334545	10.0	11.6	
26 4-Methylphenol	108	4.552	4.555	-0.003	98	279459	10.0	6.38	
25 3 & 4 Methylphenol	108	4.552	4.555	-0.003	61	279459	10.0	6.38	
27 Hexachloroethane	117	4.616	4.616	0.000	94	87086	10.0	4.74	
$ 28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	471583	10.0	10.9	
29 Nitrobenzene	123	4.689	4.693	-0.004	94	251422	10.0	11.0	
30 n,n'-Dimethylaniline	120	4.692	4.693	-0.001	84	639068	10.0	8.99	
31 Isophorone	82	4.919	4.923	-0.004	99	881770	10.0	11.1	
32 2-Nitrophenol	139	4.996	4.996	0.000	95	244845	10.0	9.50	
33 2,4-Dimethylphenol	122	5.057	5.060	-0.003	92	252706	10.0	6.41	
34 Bis(2-chloroethoxy)methane	93	5.140	5.140	0.000	98	558725	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.149	5.169	-0.020	92	100279	10.0	3.93	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	356234	10.0	8.96	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	235299	10.0	5.23	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1068234	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1058296	10.0	7.24	
40 4-Chloroaniline	127	5.443	5.444	-0.001	98	432544	10.0	8.16	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	97	374326	10.0	9.38	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	118488	10.0	4.77	
44 Caprolactam	113	5.763	5.766	-0.003	94	13663	5.00	1.40	
45 4-Chloro-3-methylphenol	107	5.929	5.932	-0.003	96	323419	10.0	8.62	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	700363	10.0	7.44	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	93	664360	10.0	7.53	
48 Hexachlorocyclopentadiene	237	6.194	6.195	-0.001	96	78998	10.0	2.60	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	97	326955	10.0	7.20	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	626416	10.0	11.7	
51 2,4,6-Trichlorophenol	196	6.322	6.323	-0.001	91	271824	10.0	9.66	
52 2,4,5-Trichlorophenol	196	6.364	6.364	0.000	97	281344	10.0	9.09	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	952715	10.0	8.92	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1019453	10.0	8.52	
55 2-Chloronaphthalene	162	6.501	6.502	-0.001	99	755542	10.0	8.13	
56 Phenyl ether	170	6.591	6.591	0.000	85	534468	10.0	8.47	
57 2-Nitroaniline	65	6.613	6.610	0.003	92	253117	10.0	12.1	
58 1,3-Dimethylnaphthalene	156	6.712	6.713	-0.001	91	645013	10.0	9.08	
59 Dimethyl phthalate	163	6.796	6.796	0.000	99	1090436	10.0	11.2	
60 Coumarin	146	6.802	6.802	0.000	82	350389	10.0	11.6	
61 2,6-Dinitrotoluene	165	6.847	6.847	0.000	96	237857	10.0	11.6	
62 Acenaphthylene	152	6.895	6.892	0.003	97	1333484	10.0	9.22	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	196426	10.0	8.68	
* 64 Acenaphthene-d10	164	7.029	7.029	0.000	95	578694	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	96	891891	10.0	10.3	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	743470	10.0	9.36	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	251327	20.0	19.2	
68 4-Nitrophenol	65	7.202	7.205	-0.003	92	153892	20.0	10.4	
69 2,4-Dinitrotoluene	165	7.224	7.224	0.000	72	336283	10.0	13.1	
70 Dibenzofuran	168	7.224	7.224	0.000	96	1339094	10.0	10.4	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	93	237848	10.0	9.65	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	1054287	10.0	11.1	
73 Fluorene	166	7.547	7.547	0.000	94	1113624	10.0	10.9	
74 4-Chlorophenyl phenyl ether	204	7.557	7.554	0.003	91	520904	10.0	10.5	
75 4-Nitroaniline	138	7.586	7.583	0.003	86	221178	10.0	10.9	
76 4,6-Dinitro-2-methylphenol	198	7.612	7.608	0.004	87	348471	20.0	20.5	
77 N-Nitrosodiphenylamine	169	7.672	7.672	0.000	98	752205	10.0	10.4	
78 1,2-Diphenylhydrazine	77	7.708	7.704	0.004	100	1041602	10.0	11.0	
131 Azobenzene	77	7.708	7.704	0.004	0	1041602	10.0	11.0	
$ 79 2,4,6-Tribromophenol	330	7.778	7.775	0.003	93	185186	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.015	8.014	0.001	91	286796	10.0	9.53	
82 Hexachlorobenzene	284	8.066	8.066	0.000	97	373569	10.0	10.2	
83 Atrazine	200	8.188	8.187	0.001	94	144791	5.00	6.55	E
84 Pentachlorophenol	266	8.264	8.261	0.003	95	439276	20.0	20.9	
85 Pentachloronitrobenzene	237	8.271	8.267	0.004	88	141375	10.0	12.3	
87 n-Octadecane	57	8.364	8.363	0.001	90	607321	10.0	10.3	
* 88 Phenanthrene-d10	188	8.431	8.427	0.004	98	1029815	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.453	8.450	0.003	97	1553053	10.0	11.0	
90 Anthracene	178	8.501	8.498	0.003	98	1562190	10.0	11.0	
91 Carbazole	167	8.662	8.661	0.001	96	1407809	10.0	11.5	
92 Di-n-butyl phthalate	149	9.014	9.012	0.002	99	1767493	10.0	12.3	
93 Fluoranthene	202	9.574	9.572	0.002	97	1558334	10.0	11.6	
94 Benzidine	184	9.718	9.715	0.003	99	411797	10.0	6.68	
95 Pyrene	202	9.785	9.783	0.002	97	1627676	10.0	11.5	
96 Bisphenol-A	213	9.862	9.863	-0.001	98	206751	5.00	4.05	
$ 97 Terphenyl-d14	244	9.952	9.949	0.003	97	879576	10.0	7.89	
98 Butyl benzyl phthalate	149	10.444	10.445	-0.001	97	679432	10.0	12.8	
100 Carbamazepine	193	10.537	10.534	0.003	92	463600	10.0	11.0	
101 3,3'-Dichlorobenzidine	252	10.985	10.986	-0.001	100	471734	10.0	11.1	
102 Benzo[a]anthracene	228	10.995	10.995	0.000	99	1377390	10.0	11.5	
* 103 Chrysene-d12	240	11.005	11.005	0.000	99	732373	8.00	8.00	
104 Chrysene	228	11.033	11.031	0.002	98	1263241	10.0	11.3	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	85	958967	10.0	13.6	
106 Di-n-octyl phthalate	149	11.878	11.875	0.003	96	1525857	10.0	13.1	
107 Benzo[b]fluoranthene	252	12.285	12.285	0.000	98	1215172	10.0	11.0	
108 Benzo[k]fluoranthene	252	12.324	12.320	0.004	99	1262331	10.0	11.2	
109 Benzo[a]pyrene	252	12.711	12.708	0.003	97	1102877	10.0	11.4	
* 110 Perylene-d12	264	12.788	12.784	0.004	99	716722	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.254	14.251	0.003	99	1182324	10.0	11.8	
112 Dibenz(a,h)anthracene	278	14.295	14.293	0.002	97	1190392	10.0	10.8	
113 Benzo[g,h,i]perylene	276	14.632	14.629	0.003	97	1126926	10.0	10.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 08:16:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D

Injection Date: 23-Mar-2024 00:11:30 Instrument ID: CBNAMS18 Operator ID:

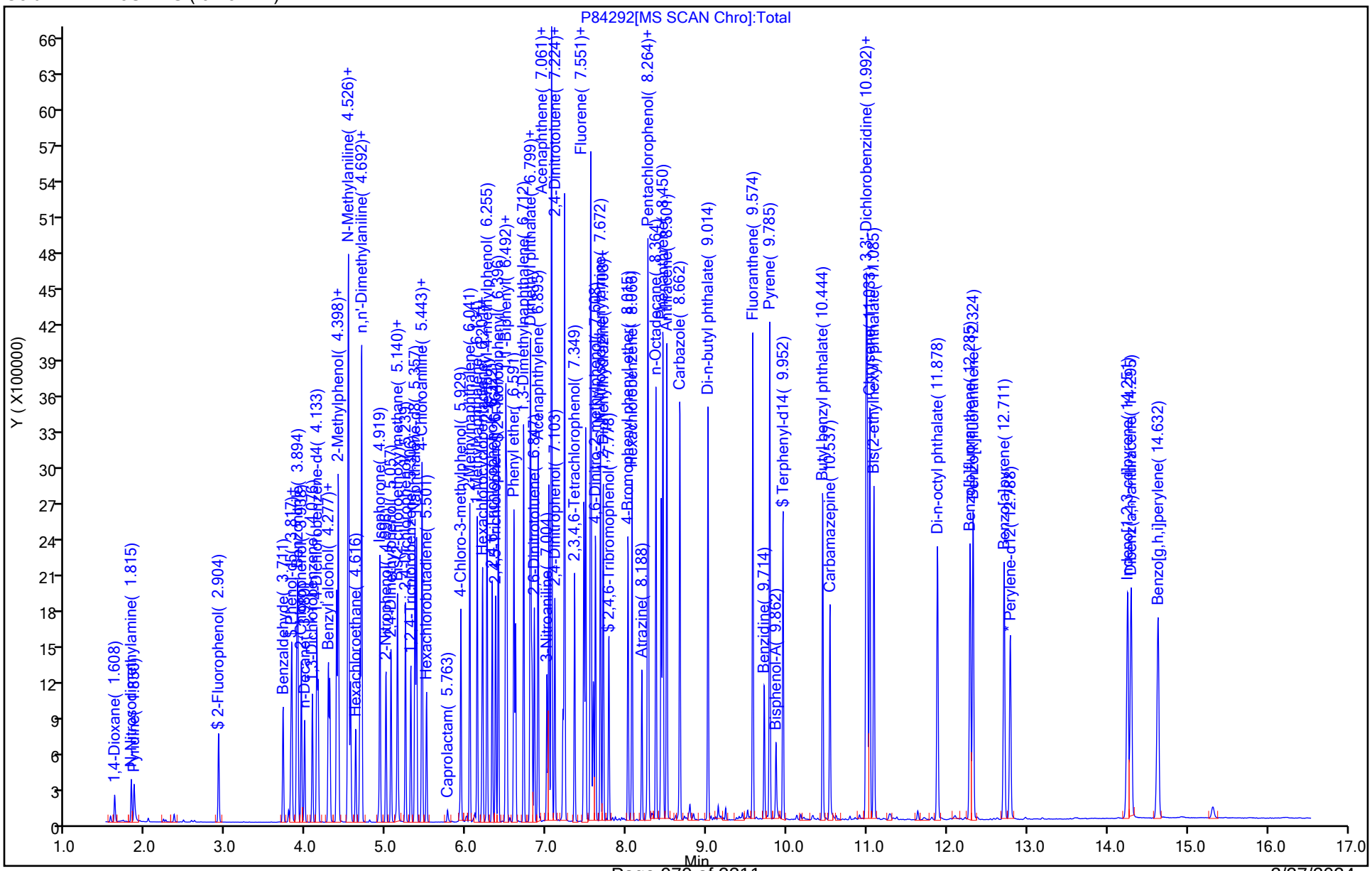
Lims ID: LCSD 460-965454/18-A Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D
Lims ID: LCSD 460-965454/18-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 00:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:31:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.44	54.43
$ 6 Phenol-d5	10.0	4.04	40.41
$ 28 Nitrobenzene-d5	10.0	10.9	108.99
$ 53 2-Fluorobiphenyl	10.0	8.92	89.20
$ 79 2,4,6-Tribromophenol	10.0	10.2	101.69
$ 97 Terphenyl-d14	10.0	7.89	78.87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	46.0		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	42.5		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	45.9		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	48.9		10	0.75
95-95-4	2,4,5-Trichlorophenol	46.4		10	0.88
88-06-2	2,4,6-Trichlorophenol	49.4		10	0.86
120-83-2	2,4-Dichlorophenol	47.9		10	1.1
105-67-9	2,4-Dimethylphenol	32.0		10	0.62
51-28-5	2,4-Dinitrophenol	107		40	2.6
121-14-2	2,4-Dinitrotoluene	59.0		10	1.0
606-20-2	2,6-Dinitrotoluene	51.7		2.0	0.83
91-58-7	2-Chloronaphthalene	43.8		10	1.2
95-57-8	2-Chlorophenol	48.6		10	0.38
91-57-6	2-Methylnaphthalene	45.5		10	0.53
95-48-7	2-Methylphenol	39.2		10	0.67
88-74-4	2-Nitroaniline	56.4		10	0.47
88-75-5	2-Nitrophenol	48.0		10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	29.6		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	106		20	3.0
101-55-3	4-Bromophenyl phenyl ether	43.5		10	0.75
59-50-7	4-Chloro-3-methylphenol	46.6		10	0.58
106-47-8	4-Chloroaniline	5.53	J	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	47.2		10	1.3
106-44-5	4-Methylphenol	35.8		10	0.65
100-01-6	4-Nitroaniline	47.7		10	1.2
100-02-7	4-Nitrophenol	68.1		20	4.0
83-32-9	Acenaphthene	50.6		10	1.1
208-96-8	Acenaphthylene	45.1		10	0.82
98-86-2	Acetophenone	48.4		10	2.3
120-12-7	Anthracene	49.0		10	1.3
1912-24-9	Atrazine	75.4		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	74.4		10	2.1
56-55-3	Benzo[a]anthracene	51.2		1.0	0.59
50-32-8	Benzo[a]pyrene	51.3		1.0	0.41
205-99-2	Benzo[b]fluoranthene	48.9		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	44.2		10	0.70
207-08-9	Benzo[k]fluoranthene	49.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	46.1		10	0.59
111-44-4	Bis(2-chloroethyl)ether	44.9		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	64.6		2.0	0.80
85-68-7	Butyl benzyl phthalate	59.4		10	0.85
105-60-2	Caprolactam	20.1		10	2.2
86-74-8	Carbazole	50.1		10	0.68
218-01-9	Chrysene	50.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	45.8		1.0	0.72
132-64-9	Dibenzofuran	48.9		10	1.1
84-66-2	Diethyl phthalate	50.2		10	0.98
131-11-3	Dimethyl phthalate	50.5		10	0.77
84-74-2	Di-n-butyl phthalate	55.1		10	0.84
117-84-0	Di-n-octyl phthalate	61.3		10	0.75
206-44-0	Fluoranthene	52.4		10	0.84
86-73-7	Fluorene	50.0		10	0.91
118-74-1	Hexachlorobenzene	46.5		1.0	0.40
87-68-3	Hexachlorobutadiene	33.3		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	23.0		10	3.6
67-72-1	Hexachloroethane	31.6		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	51.5		2.0	0.94
78-59-1	Isophorone	50.5		10	0.80
91-20-3	Naphthalene	46.3		2.0	0.54
98-95-3	Nitrobenzene	48.7		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	50.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	46.9		10	0.89
87-86-5	Pentachlorophenol	106		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	49.0		10	1.3
108-95-2	Phenol	23.2		10	0.29
129-00-0	Pyrene	52.3		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	111		37-150
321-60-8	2-Fluorobiphenyl	103		46-139
367-12-4	2-Fluorophenol (Surr)	72		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	113		51-145
4165-62-2	Phenol-d5 (Surr)	53		10-56
1718-51-0	Terphenyl-d14 (Surr)	75		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D
Lims ID: 460-300484-D-2-C MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 17:03:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-033
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:32:45 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.625	-0.016	92	59813	5.00	3.16	
2 N-Nitrosodimethylamine	74	1.822	1.831	-0.009	88	95069	5.00	3.31	
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	313595	10.0	7.16	
5 Benzaldehyde	77	3.712	3.712	-0.003	95	311753	5.00	9.29	E
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	275677	10.0	5.30	
8 Aniline	93	3.823	3.823	-0.001	92	12464	5.00	0.1982	
7 Phenol	94	3.820	3.820	-0.004	98	173068	5.00	2.90	
9 Bis(2-chloroethyl)ether	93	3.881	3.881	-0.003	100	259201	5.00	5.61	
10 Benzonitrile	103	3.894	3.900	-0.006	98	522580	NC	NC	
11 2-Chlorophenol	128	3.938	3.939	-0.004	97	295397	5.00	6.07	
12 n-Decane	43	3.980	3.980	-0.004	87	121708	5.00	3.09	
13 1,3-Dichlorobenzene	146	4.079	4.076	0.000	96	243069	5.00	4.39	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	274224	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.149	4.149	-0.004	95	1212158	5.00	21.5	
17 Benzyl alcohol	108	4.277	4.276	0.000	95	140616	5.00	4.54	
19 2-Toluidine	107	4.274	4.284	-0.011	34	96866		NC	
18 1,2-Dichlorobenzene	146	4.293	4.293	-0.004	97	209956	5.00	3.92	
20 2-Methylphenol	108	4.399	4.401	-0.003	85	210383	5.00	4.90	
21 2,2'-oxybis[1-chloropropane]	45	4.399	4.401	-0.006	90	282367	5.00	5.74	
22 N-Methylaniline	106	4.523	4.519	0.003	94	48847	5.00	0.7167	
23 Acetophenone	105	4.523	4.526	-0.007	95	405255	5.00	6.05	
24 N-Nitrosodi-n-propylamine	70	4.530	4.525	0.000	88	190427	5.00	6.31	
26 4-Methylphenol	108	4.552	4.551	0.000	97	205492	5.00	4.47	
25 3 & 4 Methylphenol	108	4.552	4.551	0.000	63	206505	5.00	4.49	
27 Hexachloroethane	117	4.616	4.616	-0.004	94	76029	5.00	3.95	
$ 28 Nitrobenzene-d5	82	4.670	4.670	-0.001	88	507090	10.0	11.3	
29 Nitrobenzene	123	4.689	4.691	-0.004	98	145944	5.00	6.09	
30 n,n'-Dimethylaniline	120	4.689	4.692	-0.004	93	69123	5.00	0.9277	
31 Isophorone	82	4.919	4.919	-0.001	99	519586	5.00	6.31	
32 2-Nitrophenol	139	4.993	4.995	-0.004	94	159791	5.00	6.00	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	91	162979	5.00	4.00	
34 Bis(2-chloroethoxy)methane	93	5.137	5.135	0.000	98	330402	5.00	5.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.150	5.164	-0.016	90	112545	5.00	4.27	
36 2,4-Dichlorophenol	162	5.236	5.239	-0.003	96	245965	5.00	5.99	
37 1,2,4-Trichlorobenzene	180	5.303	5.305	-0.004	95	201574	5.00	4.33	
* 38 Naphthalene-d8	136	5.354	5.358	-0.004	99	1103466	8.00	8.00	
39 Naphthalene	128	5.377	5.376	0.000	99	874015	5.00	5.79	
40 4-Chloroaniline	127	5.441	5.444	-0.003	97	37881	5.00	0.6918	
41 2,6-Dichlorophenol	162	5.444	5.446	-0.003	98	245565	5.00	5.96	
42 Hexachlorobutadiene	225	5.501	5.500	-0.001	95	106645	5.00	4.16	
44 Caprolactam	113	5.767	5.760	0.007	93	26147	5.00	2.51	a
45 4-Chloro-3-methylphenol	107	5.930	5.929	0.000	96	225503	5.00	5.82	
46 2-Methylnaphthalene	142	6.039	6.041	-0.003	85	552676	5.00	5.69	
47 1-Methylnaphthalene	142	6.132	6.134	-0.002	92	501883	5.00	5.51	
48 Hexachlorocyclopentadiene	237	6.192	6.191	0.000	97	91029	5.00	2.88	
49 1,2,4,5-Tetrachlorobenzene	216	6.199	6.201	-0.003	97	250614	5.00	5.31	
50 2-tertbutyl-4-methylphenol	149	6.253	6.255	-0.003	91	365675	5.00	6.59	
51 2,4,6-Trichlorophenol	196	6.321	6.319	0.001	91	180786	5.00	6.18	
52 2,4,5-Trichlorophenol	196	6.362	6.361	0.000	97	186735	5.00	5.80	
$ 53 2-Fluorobiphenyl	172	6.397	6.396	0.000	97	1139840	10.0	10.3	
54 1,1'-Biphenyl	154	6.487	6.489	-0.003	96	715290	5.00	5.75	
55 2-Chloronaphthalene	162	6.500	6.502	-0.002	98	528492	5.00	5.47	
56 Phenyl ether	170	6.590	6.591	-0.002	86	374322	5.00	5.70	
57 2-Nitroaniline	65	6.609	6.611	-0.002	92	153823	5.00	7.05	
58 1,3-Dimethylnaphthalene	156	6.711	6.713	-0.002	91	439666	5.00	5.95	
59 Dimethyl phthalate	163	6.791	6.793	-0.002	99	641885	5.00	6.32	
60 Coumarin	146	6.798	6.799	-0.002	82	213995	5.00	6.85	
61 2,6-Dinitrotoluene	165	6.843	6.844	-0.002	96	138424	5.00	6.47	
62 Acenaphthylene	152	6.891	6.892	-0.002	97	849109	5.00	5.64	
63 3-Nitroaniline	138	7.000	7.001	-0.001	98	87276	5.00	3.71	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	95	601969	8.00	8.00	
65 Acenaphthene	154	7.057	7.058	-0.002	96	568457	5.00	6.33	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	-0.001	97	497132	5.00	6.01	
67 2,4-Dinitrophenol	184	7.099	7.099	-0.001	96	182039	10.0	13.3	
68 4-Nitrophenol	65	7.202	7.199	0.002	90	131364	10.0	8.51	a
69 2,4-Dinitrotoluene	165	7.221	7.221	-0.001	76	197227	5.00	7.37	
70 Dibenzofuran	168	7.221	7.221	-0.001	97	822939	5.00	6.12	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	-0.001	94	156819	5.00	6.12	
72 Diethyl phthalate	149	7.461	7.464	-0.004	98	619364	5.00	6.28	
73 Fluorene	166	7.545	7.544	0.000	96	664533	5.00	6.25	
74 4-Chlorophenyl phenyl ether	204	7.554	7.552	-0.001	90	305598	5.00	5.90	
75 4-Nitroaniline	138	7.580	7.582	-0.003	86	126029	5.00	5.96	
76 4,6-Dinitro-2-methylphenol	198	7.606	7.607	-0.003	86	234598	10.0	13.3	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	441770	5.00	5.86	
78 1,2-Diphenylhydrazine	77	7.702	7.705	-0.003	99	624951	5.00	6.38	
131 Azobenzene	77	7.702	7.705	-0.003	0	625005	5.00	6.38	
$ 79 2,4,6-Tribromophenol	330	7.776	7.775	0.001	92	211157	10.0	11.1	
81 1-Naphthylamine	143	7.955	7.911	0.044	66	884		NC	
80 4-Bromophenyl phenyl ether	248	8.013	8.011	-0.002	91	170007	5.00	5.44	
82 Hexachlorobenzene	284	8.064	8.059	0.001	97	221840	5.00	5.82	
83 Atrazine	200	8.193	8.183	0.008	94	216284	5.00	9.42	E
84 Pentachlorophenol	266	8.260	8.258	-0.001	94	289010	10.0	13.3	
85 Pentachloronitrobenzene	237	8.267	8.264	-0.001	89	82268	5.00	6.88	
86 2-Naphthylamine	143	8.315	8.315	0.000	52	560		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 n-Octadecane	57	8.363	8.364	-0.001	91	357506	5.00	5.85	
* 88 Phenanthrene-d10	188	8.427	8.428	-0.001	98	1068921	8.00	8.00	
89 Phenanthrene	178	8.450	8.451	0.000	97	897184	5.00	6.13	
90 Anthracene	178	8.498	8.493	0.000	98	904406	5.00	6.13	
91 Carbazole	167	8.662	8.662	0.001	96	797760	5.00	6.26	
92 Di-n-butyl phthalate	149	9.012	9.013	-0.001	99	1025798	5.00	6.88	
93 Fluoranthene	202	9.571	9.572	-0.001	98	912107	5.00	6.55	
95 Pyrene	202	9.783	9.784	0.000	97	947199	5.00	6.54	
96 Bisphenol-A	213	9.864	9.864	0.001	98	156021	2.50	2.98	
$ 97 Terphenyl-d14	244	9.947	9.951	-0.002	97	854905	10.0	7.47	
98 Butyl benzyl phthalate	149	10.443	10.446	-0.002	97	403822	5.00	7.42	
100 Carbamazepine	193	10.539	10.536	0.005	92	226492	5.00	5.61	
101 3,3'-Dichlorobenzidine	252	10.986	10.982	0.001	78	4659	5.00	0.1067	7
102 Benzo[a]anthracene	228	10.990	10.993	-0.001	99	784264	5.00	6.39	
* 103 Chrysene-d12	240	10.999	11.001	-0.002	99	751931	8.00	8.00	
104 Chrysene	228	11.028	11.031	-0.002	98	729093	5.00	6.37	
105 Bis(2-ethylhexyl) phthalate	149	11.083	11.086	-0.002	86	583638	5.00	8.07	
106 Di-n-octyl phthalate	149	11.874	11.875	0.000	96	926886	5.00	7.66	
107 Benzo[b]fluoranthene	252	12.282	12.284	-0.001	98	699323	5.00	6.11	
108 Benzo[k]fluoranthene	252	12.318	12.321	-0.004	99	716455	5.00	6.12	
109 Benzo[a]pyrene	252	12.703	12.706	-0.002	97	641828	5.00	6.41	
* 110 Perylene-d12	264	12.784	12.782	0.002	99	744019	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.245	14.245	-0.001	98	669049	5.00	6.44	
112 Dibenz(a,h)anthracene	278	14.290	14.291	-0.001	97	652908	5.00	5.73	
113 Benzo[g,h,i]perylene	276	14.624	14.627	-0.003	97	637858	5.00	5.52	
S 115 Total Cresols	1				0			9.40	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

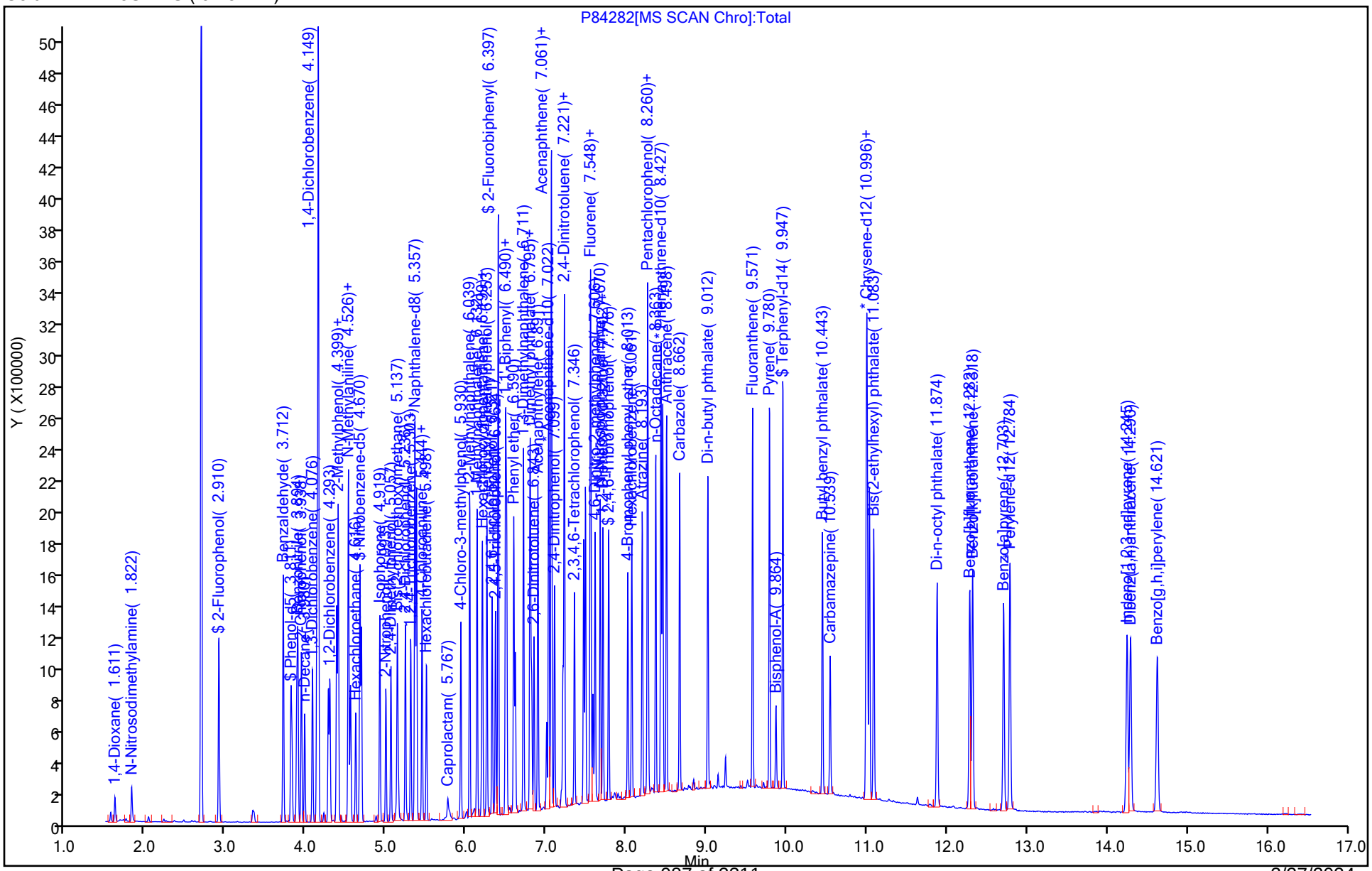
Report Date: 25-Mar-2024 08:32:46 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D

Injection Date:	22-Mar-2024 17:03:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-D-2-C MS			Worklist Smp#:	33
Client ID:	MW-16R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D
Lims ID: 460-300484-D-2-C MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 17:03:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-033
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:32:45 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.16	71.63
$ 6 Phenol-d5	10.0	5.30	53.01
$ 28 Nitrobenzene-d5	10.0	11.3	113.46
$ 53 2-Fluorobiphenyl	10.0	10.3	102.60
$ 79 2,4,6-Tribromophenol	10.0	11.1	111.47
$ 97 Terphenyl-d14	10.0	7.47	74.66

Manual Integration/User Assign Peak Report

Eurofins Edison

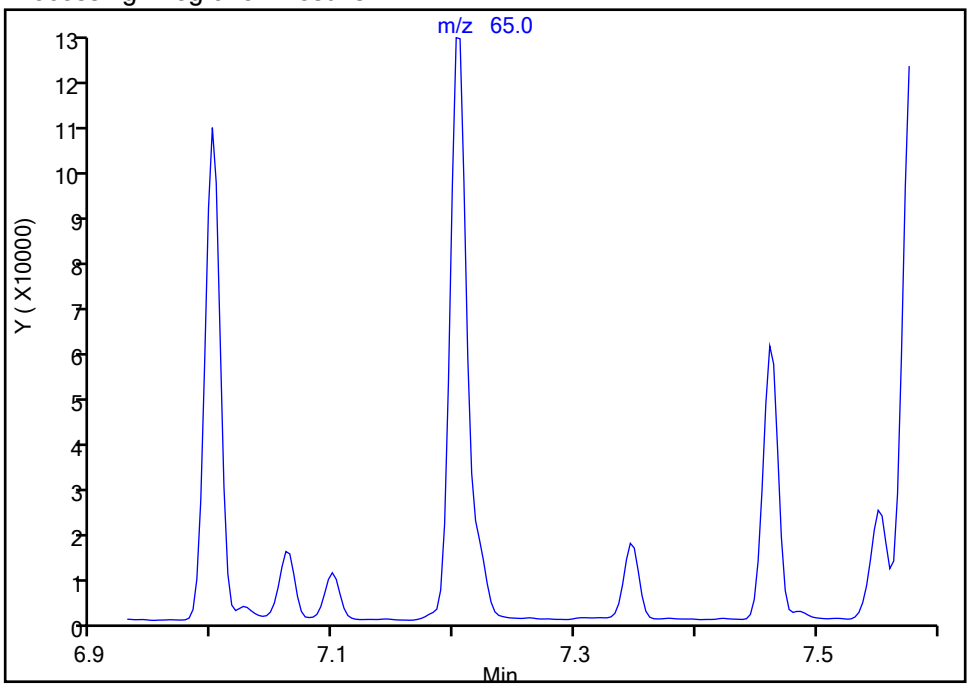
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D				
Injection Date:	22-Mar-2024 17:03:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-D-2-C MS				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

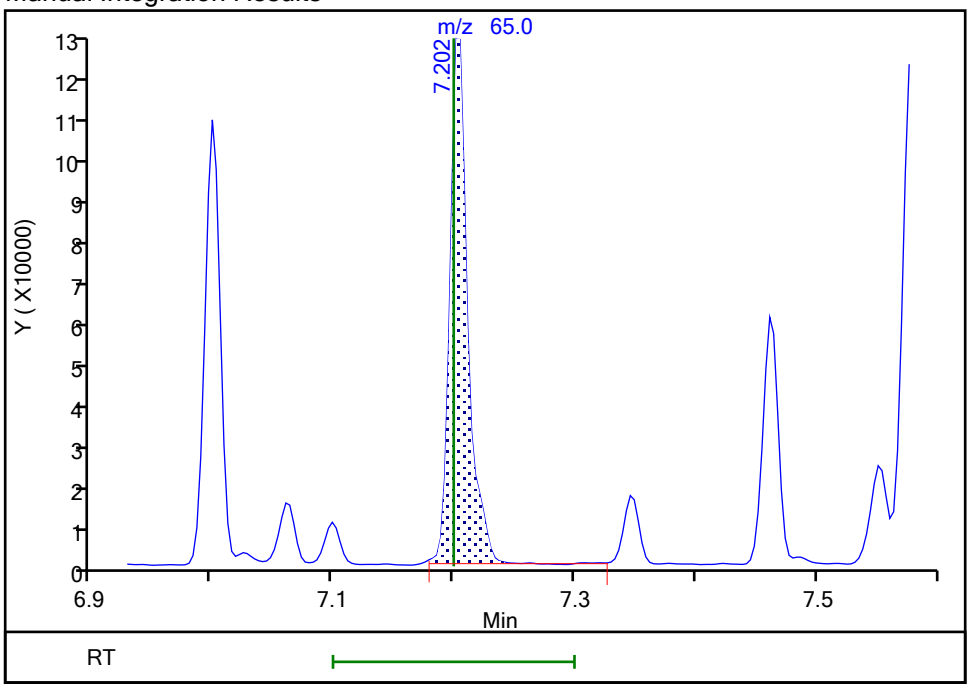
Not Detected
Expected RT: 7.20

Processing Integration Results



RT: 7.20
Area: 131364
Amount: 8.513654
Amount Units: ug/ml

Manual Integration Results



Reviewer: U6BX, 22-Mar-2024 18:08:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

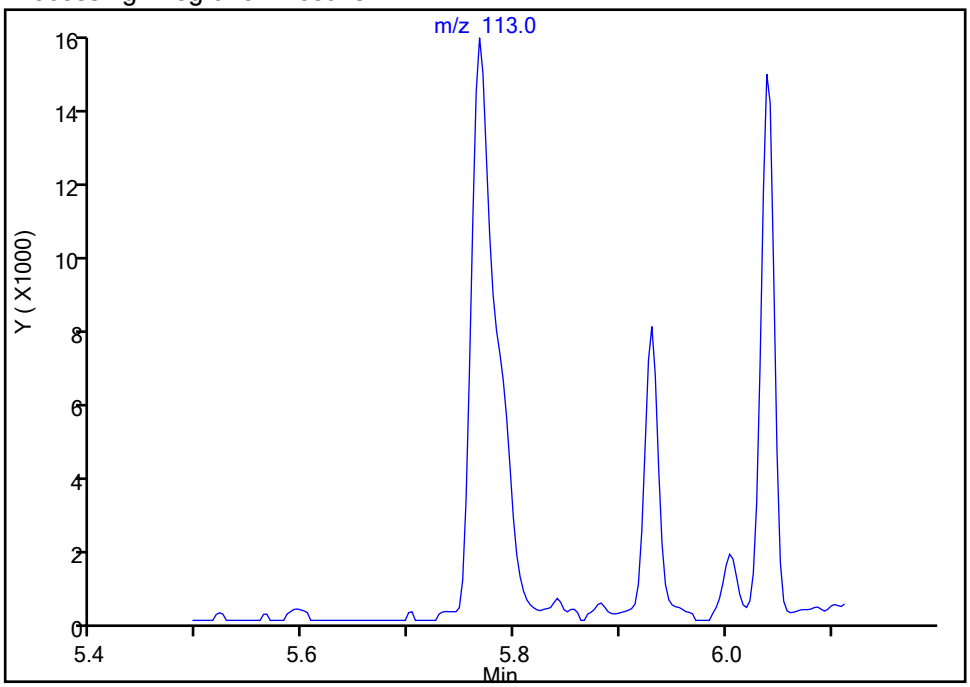
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D				
Injection Date:	22-Mar-2024 17:03:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-D-2-C MS				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 Caprolactam, CAS: 105-60-2

Signal: 1

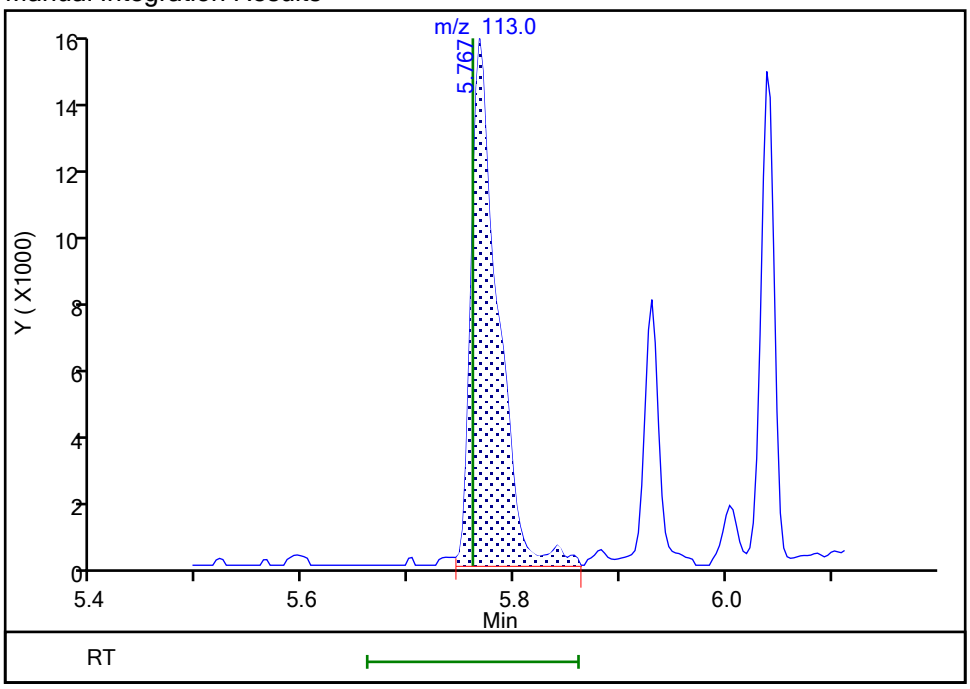
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.77
Area: 26147
Amount: 2.509686
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:08:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	44.7		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	40.8		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	44.7		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	47.6		10	0.75
95-95-4	2,4,5-Trichlorophenol	44.9		10	0.88
88-06-2	2,4,6-Trichlorophenol	47.0		10	0.86
120-83-2	2,4-Dichlorophenol	46.8		10	1.1
105-67-9	2,4-Dimethylphenol	31.7		10	0.62
51-28-5	2,4-Dinitrophenol	100		40	2.6
121-14-2	2,4-Dinitrotoluene	57.2		10	1.0
606-20-2	2,6-Dinitrotoluene	51.4		2.0	0.83
91-58-7	2-Chloronaphthalene	42.4		10	1.2
95-57-8	2-Chlorophenol	49.9		10	0.38
91-57-6	2-Methylnaphthalene	45.0		10	0.53
95-48-7	2-Methylphenol	39.4		10	0.67
88-74-4	2-Nitroaniline	52.5		10	0.47
88-75-5	2-Nitrophenol	45.5		10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	35.5		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	102		20	3.0
101-55-3	4-Bromophenyl phenyl ether	42.3		10	0.75
59-50-7	4-Chloro-3-methylphenol	46.4		10	0.58
106-47-8	4-Chloroaniline	11.3		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	45.4		10	1.3
106-44-5	4-Methylphenol	36.4		10	0.65
100-01-6	4-Nitroaniline	43.7		10	1.2
100-02-7	4-Nitrophenol	66.2		20	4.0
83-32-9	Acenaphthene	48.6		10	1.1
208-96-8	Acenaphthylene	43.8		10	0.82
98-86-2	Acetophenone	47.6		10	2.3
120-12-7	Anthracene	48.2		10	1.3
1912-24-9	Atrazine	58.6		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	59.1		10	2.1
56-55-3	Benzo[a]anthracene	49.3		1.0	0.59
50-32-8	Benzo[a]pyrene	49.6		1.0	0.41
205-99-2	Benzo[b]fluoranthene	47.4		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	42.4		10	0.70
207-08-9	Benzo[k]fluoranthene	47.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	44.9		10	0.59
111-44-4	Bis(2-chloroethyl)ether	45.0		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	62.1		2.0	0.80
85-68-7	Butyl benzyl phthalate	58.3		10	0.85
105-60-2	Caprolactam	16.2		10	2.2
86-74-8	Carbazole	48.8		10	0.68
218-01-9	Chrysene	49.8		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	44.3		1.0	0.72
132-64-9	Dibenzofuran	47.7		10	1.1
84-66-2	Diethyl phthalate	48.9		10	0.98
131-11-3	Dimethyl phthalate	48.4		10	0.77
84-74-2	Di-n-butyl phthalate	53.5		10	0.84
117-84-0	Di-n-octyl phthalate	58.9		10	0.75
206-44-0	Fluoranthene	50.2		10	0.84
86-73-7	Fluorene	48.0		10	0.91
118-74-1	Hexachlorobenzene	44.9		1.0	0.40
87-68-3	Hexachlorobutadiene	33.4		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	23.2		10	3.6
67-72-1	Hexachloroethane	31.7		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	49.6		2.0	0.94
78-59-1	Isophorone	50.2		10	0.80
91-20-3	Naphthalene	49.2		2.0	0.54
98-95-3	Nitrobenzene	47.5		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	48.8		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	45.8		10	0.89
87-86-5	Pentachlorophenol	102		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected: 03/18/2024 10:55

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	47.9		10	1.3
108-95-2	Phenol	23.3		10	0.29
129-00-0	Pyrene	51.2		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	116		37-150
321-60-8	2-Fluorobiphenyl	106		46-139
367-12-4	2-Fluorophenol (Surr)	75		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	115		51-145
4165-62-2	Phenol-d5 (Surr)	57	*	10-56
1718-51-0	Terphenyl-d14 (Surr)	82		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D
Lims ID: 460-300484-E-2-C MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 17:24:30 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-034
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:33:56 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:09:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.625	-0.016	92	55435	5.00	3.19	
2 N-Nitrosodimethylamine	74	1.822	1.831	-0.009	88	85145	5.00	3.23	
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	301523	10.0	7.50	
5 Benzaldehyde	77	3.712	3.712	-0.003	95	227473	5.00	7.39	E
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	273255	10.0	5.73	
8 Aniline	93	3.823	3.823	-0.001	50	12915	5.00	0.2238	
7 Phenol	94	3.820	3.820	-0.004	98	159989	5.00	2.92	
9 Bis(2-chloroethyl)ether	93	3.881	3.881	-0.003	100	238584	5.00	5.62	
10 Benzonitrile	103	3.894	3.900	-0.006	98	473428	NC	NC	
11 2-Chlorophenol	128	3.938	3.939	-0.004	97	278559	5.00	6.24	
12 n-Decane	43	3.980	3.980	-0.004	87	115677	5.00	3.20	
13 1,3-Dichlorobenzene	146	4.079	4.076	0.000	96	223837	5.00	4.40	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	251654	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.149	4.149	-0.004	95	933501	5.00	18.0	
17 Benzyl alcohol	108	4.277	4.276	0.000	95	129926	5.00	4.57	
19 2-Toluidine	107	4.274	4.284	-0.011	35	91369		NC	
18 1,2-Dichlorobenzene	146	4.293	4.293	-0.004	97	197106	5.00	4.01	
20 2-Methylphenol	108	4.399	4.401	-0.003	88	194146	5.00	4.93	
21 2,2'-oxybis[1-chloropropane]	45	4.399	4.401	-0.006	88	252465	5.00	5.59	
22 N-Methylaniline	106	4.520	4.519	0.000	94	60808	5.00	0.9722	
23 Acetophenone	105	4.523	4.526	-0.007	94	365154	5.00	5.94	
24 N-Nitrosodi-n-propylamine	70	4.530	4.525	0.000	89	168835	5.00	6.10	
26 4-Methylphenol	108	4.552	4.551	0.000	96	191521	5.00	4.54	
25 3 & 4 Methylphenol	108	4.552	4.551	0.000	64	191521	5.00	4.54	
27 Hexachloroethane	117	4.616	4.616	-0.004	95	70008	5.00	3.96	
$ 28 Nitrobenzene-d5	82	4.670	4.670	-0.001	87	478434	10.0	11.5	
29 Nitrobenzene	123	4.689	4.691	-0.004	97	130603	5.00	5.94	
30 n,n'-Dimethylaniline	120	4.689	4.692	-0.004	93	118043	5.00	1.73	
31 Isophorone	82	4.919	4.919	-0.001	99	480256	5.00	6.28	
32 2-Nitrophenol	139	4.993	4.995	-0.004	93	140738	5.00	5.69	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	91	149819	5.00	3.96	
34 Bis(2-chloroethoxy)methane	93	5.137	5.135	0.000	98	298570	5.00	5.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.146	5.164	-0.020	91	99142	5.00	4.05	
36 2,4-Dichlorophenol	162	5.236	5.239	-0.003	96	223352	5.00	5.86	
37 1,2,4-Trichlorobenzene	180	5.303	5.305	-0.004	94	187358	5.00	4.34	
* 38 Naphthalene-d8	136	5.354	5.358	-0.004	99	1025077	8.00	8.00	
39 Naphthalene	128	5.377	5.376	0.000	99	862308	5.00	6.15	
40 4-Chloroaniline	127	5.441	5.444	-0.003	98	71849	5.00	1.41	
41 2,6-Dichlorophenol	162	5.447	5.446	0.000	98	222714	5.00	5.82	
42 Hexachlorobutadiene	225	5.501	5.500	-0.001	95	99349	5.00	4.17	
44 Caprolactam	113	5.767	5.760	0.007	94	19437	5.00	2.03	a
45 4-Chloro-3-methylphenol	107	5.930	5.929	0.000	95	208541	5.00	5.79	
46 2-Methylnaphthalene	142	6.039	6.041	-0.003	88	507582	5.00	5.62	
47 1-Methylnaphthalene	142	6.131	6.134	-0.003	92	461944	5.00	5.46	
48 Hexachlorocyclopentadiene	237	6.192	6.191	0.000	97	86680	5.00	2.90	
49 1,2,4,5-Tetrachlorobenzene	216	6.199	6.201	-0.003	97	228122	5.00	5.10	
50 2-tertbutyl-4-methylphenol	149	6.253	6.255	-0.003	92	340251	5.00	6.60	
51 2,4,6-Trichlorophenol	196	6.320	6.319	0.000	93	162807	5.00	5.88	
52 2,4,5-Trichlorophenol	196	6.362	6.361	0.000	97	171035	5.00	5.61	
$ 53 2-Fluorobiphenyl	172	6.397	6.396	0.000	97	1111392	10.0	10.6	
54 1,1'-Biphenyl	154	6.487	6.489	-0.003	97	657703	5.00	5.58	
55 2-Chloronaphthalene	162	6.500	6.502	-0.002	98	485097	5.00	5.31	
56 Phenyl ether	170	6.589	6.591	-0.003	86	341748	5.00	5.50	
57 2-Nitroaniline	65	6.609	6.611	-0.002	92	135627	5.00	6.57	
58 1,3-Dimethylnaphthalene	156	6.711	6.713	-0.002	91	405001	5.00	5.79	
59 Dimethyl phthalate	163	6.791	6.793	-0.002	99	582091	5.00	6.05	
60 Coumarin	146	6.798	6.799	-0.002	82	194366	5.00	6.69	
61 2,6-Dinitrotoluene	165	6.843	6.844	-0.003	96	130214	5.00	6.43	
62 Acenaphthylene	152	6.891	6.892	-0.002	97	779633	5.00	5.47	
63 3-Nitroaniline	138	6.999	7.001	-0.002	98	98877	5.00	4.44	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	95	569634	8.00	8.00	
65 Acenaphthene	154	7.057	7.058	-0.002	96	516376	5.00	6.08	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	-0.001	97	456245	5.00	5.83	
67 2,4-Dinitrophenol	184	7.099	7.099	-0.001	96	161502	10.0	12.5	
68 4-Nitrophenol	65	7.205	7.199	0.005	89	120825	10.0	8.28	a
69 2,4-Dinitrotoluene	165	7.221	7.221	-0.001	86	181008	5.00	7.15	
70 Dibenzofuran	168	7.221	7.221	-0.001	98	759093	5.00	5.96	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	-0.001	94	144251	5.00	5.95	
72 Diethyl phthalate	149	7.461	7.464	-0.004	98	570948	5.00	6.12	
73 Fluorene	166	7.544	7.544	-0.001	95	603194	5.00	6.00	
74 4-Chlorophenyl phenyl ether	204	7.554	7.552	-0.001	88	278273	5.00	5.67	
75 4-Nitroaniline	138	7.580	7.582	-0.003	86	109263	5.00	5.46	
76 4,6-Dinitro-2-methylphenol	198	7.605	7.607	-0.004	86	209680	10.0	12.7	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	402502	5.00	5.73	
78 1,2-Diphenylhydrazine	77	7.702	7.705	-0.003	100	573933	5.00	6.28	
131 Azobenzene	77	7.702	7.705	-0.003	0	574303	5.00	6.28	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	207304	10.0	11.6	
81 1-Naphthylamine	143	7.910	7.911	-0.001	61	369		NC	
80 4-Bromophenyl phenyl ether	248	8.013	8.011	-0.002	90	154139	5.00	5.29	
82 Hexachlorobenzene	284	8.064	8.059	0.001	96	199358	5.00	5.61	
83 Atrazine	200	8.193	8.183	0.008	94	156925	5.00	7.33	E
84 Pentachlorophenol	266	8.260	8.258	-0.001	95	259827	10.0	12.8	
85 Pentachloronitrobenzene	237	8.266	8.264	-0.002	89	75043	5.00	6.73	
86 2-Naphthylamine	143	8.311	8.315	-0.004	64	522		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 n-Octadecane	57	8.363	8.364	-0.001	91	326030	5.00	5.72	
* 88 Phenanthrene-d10	188	8.427	8.428	-0.001	98	996805	8.00	8.00	
89 Phenanthrene	178	8.449	8.451	-0.001	98	817999	5.00	5.99	
90 Anthracene	178	8.498	8.493	0.000	98	829155	5.00	6.02	
91 Carbazole	167	8.658	8.662	-0.003	96	723646	5.00	6.09	
92 Di-n-butyl phthalate	149	9.011	9.013	-0.002	99	928812	5.00	6.68	
93 Fluoranthene	202	9.571	9.572	-0.001	97	814645	5.00	6.27	
95 Pyrene	202	9.783	9.784	0.000	97	848771	5.00	6.40	
96 Bisphenol-A	213	9.863	9.864	0.000	98	142407	2.50	2.97	
$ 97 Terphenyl-d14	244	9.950	9.951	0.001	97	862449	10.0	8.23	
98 Butyl benzyl phthalate	149	10.442	10.446	-0.003	97	362770	5.00	7.29	
100 Carbamazepine	193	10.538	10.536	0.004	92	210463	5.00	5.69	
101 3,3'-Dichlorobenzidine	252	10.982	10.982	-0.003	89	6252	5.00	0.1565	a
102 Benzo[a]anthracene	228	10.989	10.993	-0.002	99	690995	5.00	6.16	
* 103 Chrysene-d12	240	11.002	11.001	0.001	99	687786	8.00	8.00	
104 Chrysene	228	11.027	11.031	-0.003	98	652286	5.00	6.23	
105 Bis(2-ethylhexyl) phthalate	149	11.082	11.086	-0.003	86	513072	5.00	7.76	
106 Di-n-octyl phthalate	149	11.873	11.875	-0.001	96	817847	5.00	7.37	
107 Benzo[b]fluoranthene	252	12.281	12.284	-0.002	98	622976	5.00	5.93	
108 Benzo[k]fluoranthene	252	12.317	12.321	-0.005	99	630855	5.00	5.87	
109 Benzo[a]pyrene	252	12.705	12.706	0.000	97	569286	5.00	6.20	
* 110 Perylene-d12	264	12.783	12.782	0.001	99	683092	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.243	14.245	-0.003	99	591847	5.00	6.21	
112 Dibenz(a,h)anthracene	278	14.288	14.291	-0.003	98	579047	5.00	5.53	
113 Benzo[g,h,i]perylene	276	14.622	14.627	-0.005	97	561988	5.00	5.30	
S 115 Total Cresols	1				0			9.47	
126 4,4'-DDT	235	6.192	6.174	0.018	83	54539		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

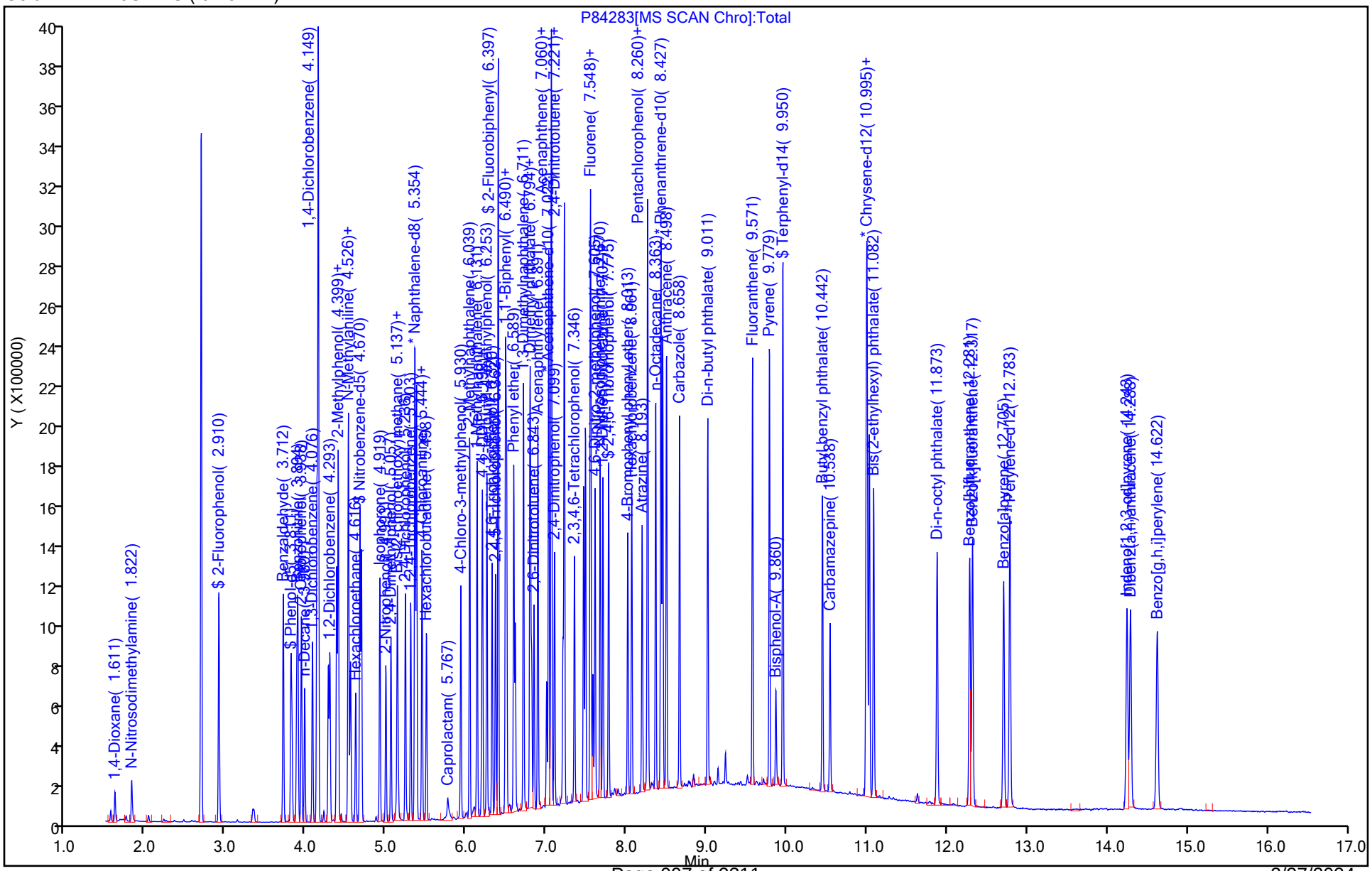
Report Date: 25-Mar-2024 08:33:57 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D

Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-2-C MSD			Worklist Smp#:	34
Client ID:	MW-16R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D
Lims ID: 460-300484-E-2-C MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 17:24:30 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-034
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:33:56 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:09:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.50	75.04
$ 6 Phenol-d5	10.0	5.73	57.25
$ 28 Nitrobenzene-d5	10.0	11.5	115.23
$ 53 2-Fluorobiphenyl	10.0	10.6	105.72
$ 79 2,4,6-Tribromophenol	10.0	11.6	115.65
$ 97 Terphenyl-d14	10.0	8.23	82.35

Manual Integration/User Assign Peak Report

Eurofins Edison

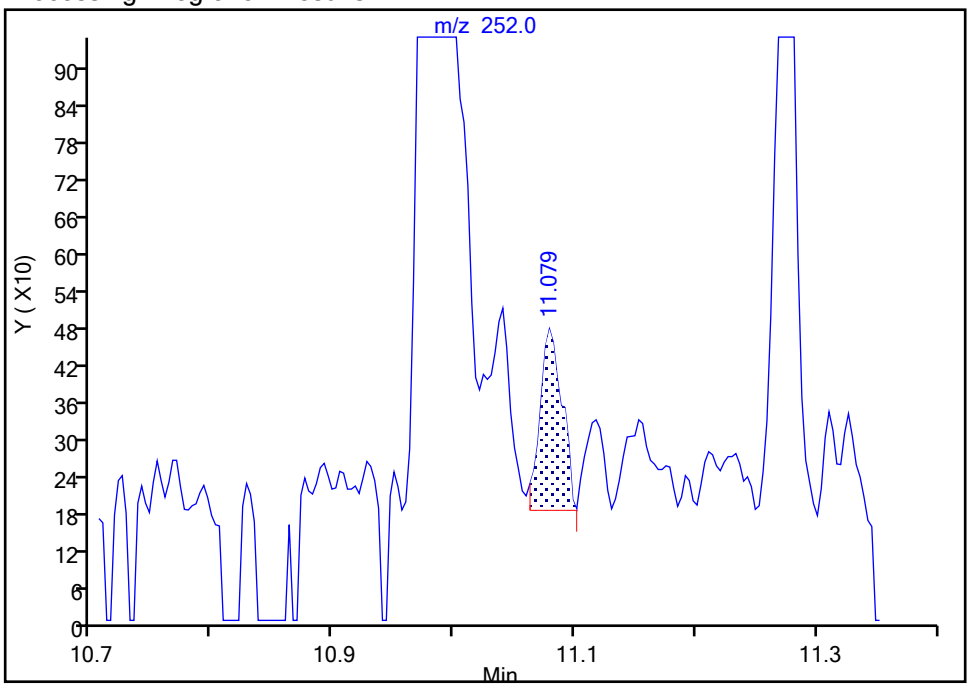
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D				
Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-C MSD				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

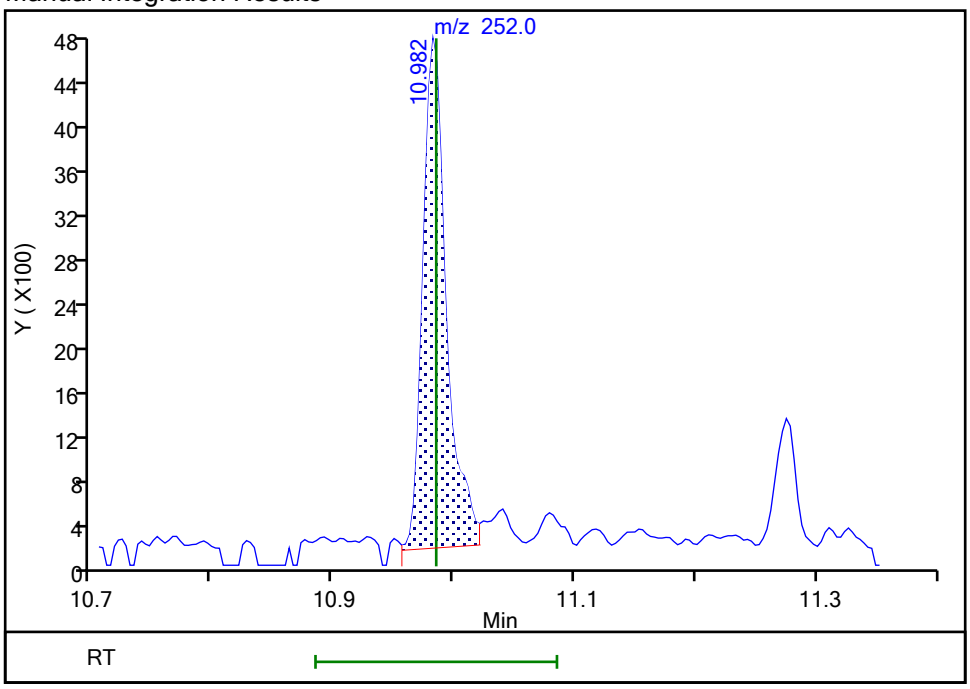
Processing Integration Results

RT: 11.08
Area: 369
Amount: 0.009237
Amount Units: ug/ml



Manual Integration Results

RT: 10.98
Area: 6252
Amount: 0.156511
Amount Units: ug/ml



Reviewer: V5XH, 25-Mar-2024 08:33:48 07:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

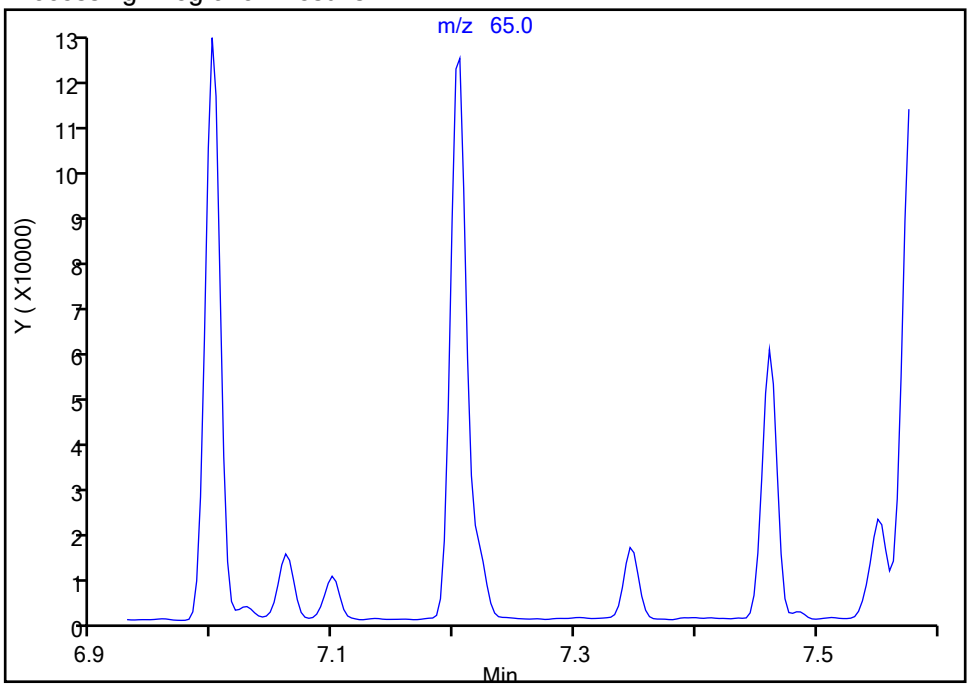
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D				
Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-C MSD				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

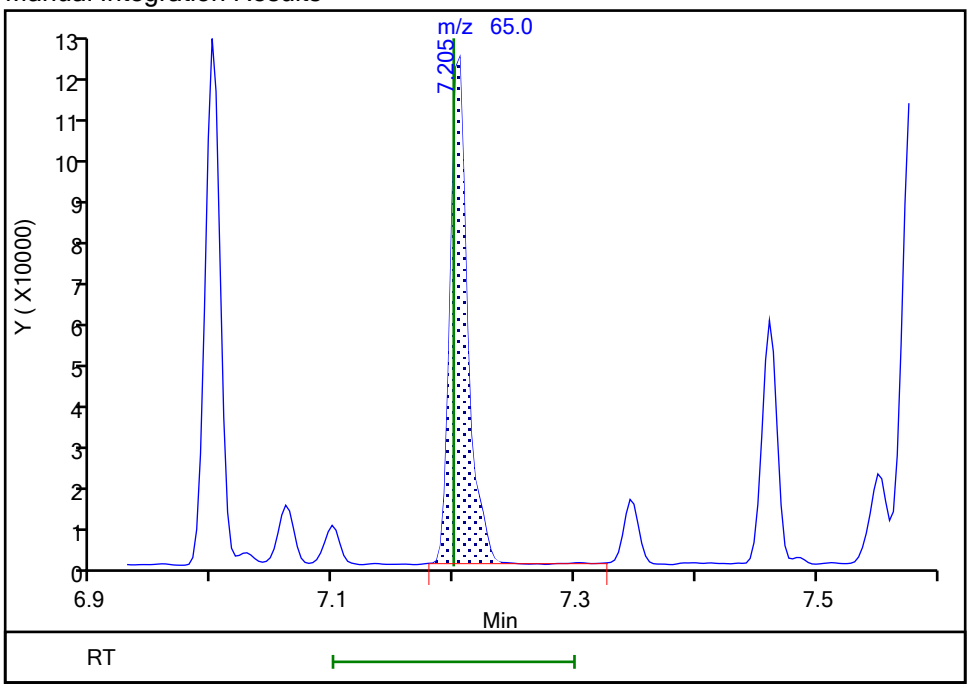
Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results

RT: 7.20
Area: 120825
Amount: 8.275127
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:09:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

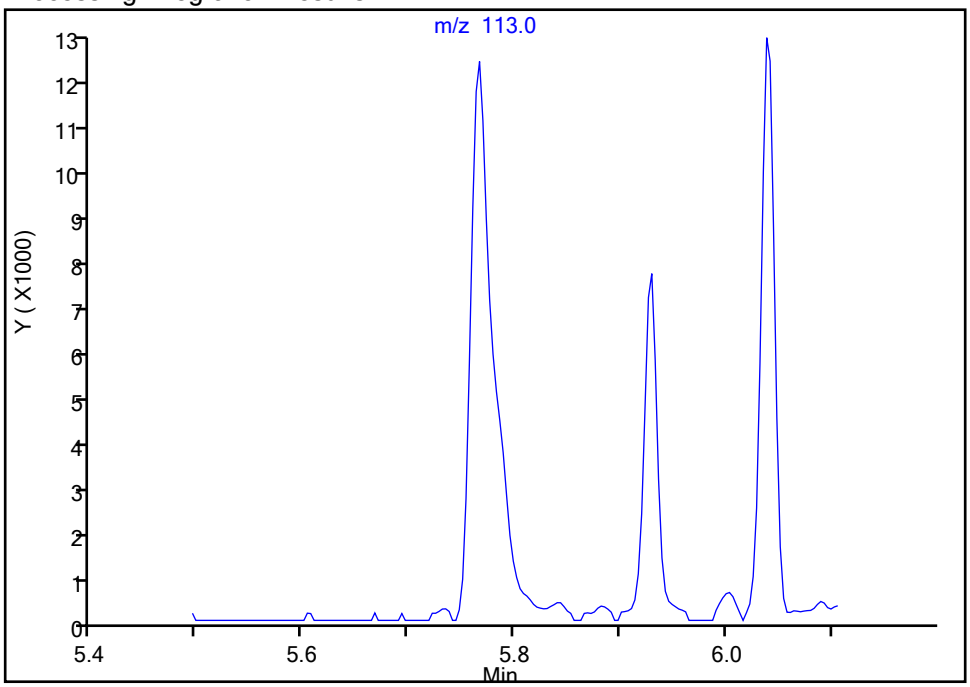
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D				
Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-C MSD				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 Caprolactam, CAS: 105-60-2

Signal: 1

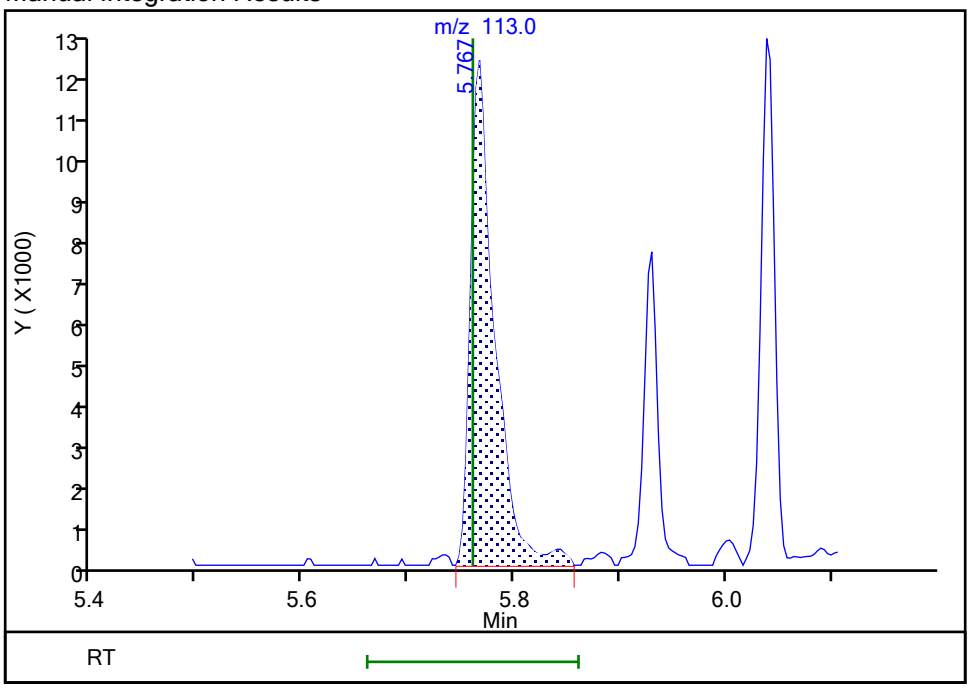
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.77
Area: 19437
Amount: 2.028203
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:08:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/04/2024 11:06

Analysis Batch Number: 962246 End Date: 03/04/2024 17:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-962246/1		03/04/2024 11:06	1	P83864a.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-962246/2		03/04/2024 11:22	1	P83865.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-962246/3 IC		03/04/2024 12:05	1	P83867.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-962246/4 IC		03/04/2024 12:47	1	P83869.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-962246/5 IC		03/04/2024 13:30	1	P83871.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-962246/6 IC		03/04/2024 14:12	1	P83873.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-962246/7 IC		03/04/2024 14:54	1	P83875.D	Rtxi-5Sil MS 0.25(mm)
STD04 460-962246/8 IC		03/04/2024 15:37	1	P83877.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-962246/9 IC		03/04/2024 16:19	1	P83879.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-962246/10 IC		03/04/2024 17:02	1	P83881.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-962246/11		03/04/2024 17:44	1	P83883.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/22/2024 06:07

Analysis Batch Number: 965372 End Date: 03/22/2024 18:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965372/2		03/22/2024 06:07	1	P84251.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 06:49	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 07:10	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 07:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:17	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 10:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 10:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 11:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 11:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 12:06	10		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 12:27	2		Rtxi-5Sil MS 0.25(mm)
MB 460-965454/1-A		03/22/2024 13:30	1	P84272.D	Rtxi-5Sil MS 0.25(mm)
460-300484-4	DUP_03182024	03/22/2024 14:34	1	P84275.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 14:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 15:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 15:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 15:59	1		Rtxi-5Sil MS 0.25(mm)
460-300484-1	MW-12	03/22/2024 16:20	1	P84280.D	Rtxi-5Sil MS 0.25(mm)
460-300484-2	MW-16R	03/22/2024 16:41	1	P84281.D	Rtxi-5Sil MS 0.25(mm)
460-300484-2 MS	MW-16R MS	03/22/2024 17:03	1	P84282.D	Rtxi-5Sil MS 0.25(mm)
460-300484-2 MSD	MW-16R MSD	03/22/2024 17:24	1	P84283.D	Rtxi-5Sil MS 0.25(mm)
460-300484-3	MW-17R	03/22/2024 17:45	1	P84284.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 18:06	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/22/2024 22:34

Analysis Batch Number: 965547 End Date: 03/23/2024 00:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965547/2		03/22/2024 22:34	1	P84288.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-965454/17-A		03/22/2024 23:41	1	P84291.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-965454/18-A		03/23/2024 00:11	1	P84292.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 962246 Batch Start Date: 03/04/24 11:06 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNAL1_LVI 00005	SV_BNAL2_LVI 00005	SV_BNAL3_LVI 00007	SV_BNAL4_LVI 00007
DFTPP 460-962246/1		8270E			1 mL	1 mL				
ICIS 460-962246/2		8270E			1 mL					
STD24 460-962246/3 IC		8270E			1 mL					
STD16 460-962246/4 IC		8270E			1 mL					
STD4 460-962246/5 IC		8270E			1 mL					
STD2 460-962246/6 IC		8270E			1 mL					
STD1 460-962246/7 IC		8270E			1 mL					1 mL
STD04 460-962246/8 IC		8270E			1 mL				1 mL	
STD02 460-962246/9 IC		8270E			1 mL			1 mL		
STD01 460-962246/10 IC		8270E			1 mL		1 mL			
ICV 460-962246/11		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
DFTPP 460-962246/1		8270E								
ICIS 460-962246/2		8270E					1 mL			
STD24 460-962246/3 IC		8270E							1 mL	
STD16 460-962246/4 IC		8270E						1 mL		
STD4 460-962246/5 IC		8270E				1 mL				
STD2 460-962246/6 IC		8270E			1 mL					
STD1 460-962246/7 IC		8270E								
STD04 460-962246/8 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 962246 Batch Start Date: 03/04/24 11:06 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
STD02 460-962246/9 IC		8270E								
STD01 460-962246/10 IC		8270E								
ICV 460-962246/11		8270E								1 mL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965454 Batch Start Date: 03/22/24 09:13 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00020
MB 460-965454/1		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300484-E-4	DUP_03182024	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300484-E-1	MW-12	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300484-E-2	MW-16R	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300484-D-2 MS	MW-16R	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-300484-E-2 MSD	MW-16R	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-300484-E-3	MW-17R	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-965454/17		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-965454/18		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_BNA SPIK 00051	OP_BNASurroga 00027	AnalysisComment			
MB 460-965454/1		3510C, 8270E				200 uL				
460-300484-E-4	DUP_03182024	3510C, 8270E	Water	T		200 uL				
460-300484-E-1	MW-12	3510C, 8270E	Water	T		200 uL				
460-300484-E-2	MW-16R	3510C, 8270E	Water	T		200 uL				
460-300484-D-2 MS	MW-16R	3510C, 8270E	Water	T	100 uL	200 uL				
460-300484-E-2 MSD	MW-16R	3510C, 8270E	Water	T	100 uL	200 uL				
460-300484-E-3	MW-17R	3510C, 8270E	Water	T		200 uL				
LCS 460-965454/17		3510C, 8270E			200 uL	200 uL	ADDED BY RN			
LCSD 460-965454/18		3510C, 8270E			200 uL	200 uL	ADDED BY RN			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965454 Batch Start Date: 03/22/24 09:13 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	10BDH5021
Analyst ID - Extraction	NP
Analyst ID - Spike Analyst	NP
Analyst ID - Spike Witness Analyst	AB
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	231050
Base Used to Adjust pH ID	23D0456203
Prep Solvent ID	Mithylene chloride (Dichloromethane) : 762001
Na2SO4 ID	230290
Analyst ID - Concentration	NP
Equipment ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21116173
Batch Comment	BNA Water

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8082A

Polychlorinated Biphenyls (PCBs) by Gas Chromatography

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1	#	TCX2	#	DCBP1	#	DCBP2	#
MW-12	460-300484-1	89		90		99		102	
MW-16R	460-300484-2	73		6	*	76		8	*
MW-17R	460-300484-3	90		92		106		107	
DUP_03182024	460-300484-4	85		88		99		100	
	MB 460-965331/1-A	84		81		82		75	
	LCS 460-965331/2-A	89		87		90		88	
	LCSD 460-965331/3-A	86		81		88		86	
MW-16R MS	460-300484-2 MS	70		5	*	66		6	*
MW-16R MSD	460-300484-2 MSD	80		5	*	75		5	*

	QC LIMITS
TCX = Tetrachloro-m-xylene	10-147
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031845.D

Lab ID: LCS 460-965331/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	2.92	73	48-123	
Aroclor 1016	4.00	3.17	79	48-123	
Aroclor 1260	4.00	3.08	77	47-129	
Aroclor 1260	4.00	3.17	79	47-129	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031846.D

Lab ID: LCSD 460-965331/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	4.00	2.99	75	2	30	48-123	
Aroclor 1016	4.00	3.22	80	2	30	48-123	
Aroclor 1260	4.00	3.14	78	2	30	47-129	
Aroclor 1260	4.00	3.23	81	2	30	47-129	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031865.D

Lab ID: 460-300484-2 MS Client ID: MW-16R MS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	0.40 U	0.419	10	48-123	p *
Aroclor 1016	4.00	0.40 U	3.45	86	48-123	
Aroclor 1260	4.00	0.40 U	1.02	25	47-129	p *
Aroclor 1260	4.00	0.84	10.8	248	47-129	E *

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031866.D

Lab ID: 460-300484-2 MSD Client ID: MW-16R MSD

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	4.00	0.268 J	7	44	30	48-123	p *
Aroclor 1016	4.00	3.53	88	2	30	48-123	
Aroclor 1260	4.00	0.321 J	8	104	30	47-129	p *
Aroclor 1260	4.00	4.75	98	77	30	47-129	*

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: MB 460-965331/1-A

Matrix: Water Date Extracted: 03/21/2024 20:26

Lab File ID:(1) 11F0031844.D Lab File ID:(2) 11F0031844.D

Date Analyzed:(1) 03/22/2024 08:08 Date Analyzed:(2) 03/22/2024 08:08

Instrument ID:(1) CPESTGC11 Instrument ID:(2) CPESTGC11

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-965331/2-A	03/22/2024 08:25	03/22/2024 08:25
	LCSD 460-965331/3-A	03/22/2024 08:42	03/22/2024 08:42
MW-12	460-300484-1	03/22/2024 13:08	03/22/2024 13:08
MW-16R	460-300484-2	03/22/2024 13:24	03/22/2024 13:24
MW-17R	460-300484-3	03/22/2024 13:41	03/22/2024 13:41
DUP_03182024	460-300484-4	03/22/2024 13:58	03/22/2024 13:58
MW-16R MS	460-300484-2 MS	03/22/2024 14:14	03/22/2024 14:14
MW-16R MSD	460-300484-2 MSD	03/22/2024 14:31	03/22/2024 14:31

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: IC 460-951474/4 Date Analyzed: 12/21/2023 11:16

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 11F0029069.D Heated Purge: (Y/N) N

Calibration ID: 95502

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		46922711	1.44				
UPPER LIMIT		93845422	1.51				
LOWER LIMIT		23461356	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-951474/7		49659519	1.44				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: IC 460-951474/4 Date Analyzed: 12/21/2023 11:16

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 11F0029069.D Heated Purge: (Y/N) N

Calibration ID: 95503

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		44138313	1.23				
UPPER LIMIT		88276626	1.30				
LOWER LIMIT		22069157	1.16				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-951474/7		46035912	1.23				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965367/2 Date Analyzed: 03/22/2024 05:54

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 11F0031836.D Heated Purge: (Y/N) N

Calibration ID: 95544

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		47107127	1.41				
UPPER LIMIT		94214254	1.48				
LOWER LIMIT		23553564	1.34				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965331/1-A		42448469	1.41				
LCS 460-965331/2-A		44566697	1.41				
LCSD 460-965331/3-A		44363439	1.41				
460-300484-1	MW-12	44024749	1.42				
460-300484-2	MW-16R	606858087*	1.41				
460-300484-3	MW-17R	42547826	1.41				
460-300484-4	DUP_03182024	44426055	1.41				
460-300484-2 MS	MW-16R MS	725526169*	1.41				
460-300484-2 MSD	MW-16R MSD	865723864*	1.41				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

*=ISTD response or retention time outside acceptable limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Sample No.: CCVIS 460-965367/2 Date Analyzed: 03/22/2024 05:54

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 11F0031836.D Heated Purge: (Y/N) N

Calibration ID: 95545

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		40132371	1.21				
UPPER LIMIT		80264742	1.28				
LOWER LIMIT		20066186	1.14				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965331/1-A		39973882	1.21				
LCS 460-965331/2-A		42664286	1.21				
LCSD 460-965331/3-A		41324611	1.21				
460-300484-1	MW-12	42216874	1.21				
460-300484-2	MW-16R	55364476	1.21				
460-300484-3	MW-17R	38919476	1.21				
460-300484-4	DUP_03182024	41257302	1.21				
460-300484-2 MS	MW-16R MS	57828217	1.20				
460-300484-2 MSD	MW-16R MSD	51979615	1.20				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS Lab Sample ID: 460-300484-2 MS

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 14:14 Date Analyzed (2): 03/22/2024 14:14

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	2.26	3.45	156.7
		2	2.51	2.48	2.54	3.24		
		3	2.69	2.67	2.73	4.87		
		4	2.99	2.96	3.02	2.76		
		6	3.19	3.16	3.22	2.61		
		7	3.59	3.55	3.61	4.96		
	2	1	2.86	2.83	2.89	0.233	0.419	
		2	3.35	3.32	3.38	0.210		
		3	3.89	3.86	3.92	0.246		
		4	4.05	4.02	4.08	0.450		
		5	4.18	4.15	4.21	0.167		
		6	4.63	4.60	4.66	0.326		
		7	4.77	4.75	4.81	0.695		
		8	5.14	5.11	5.17	1.02		
Aroclor 1260	1	1	4.97	4.94	5.00	13.7	10.8	165.4
		2	5.30	5.26	5.32	13.9		
		3	5.78	5.75	5.81	11.7		
		4	6.10	6.06	6.12	6.00		
		5	6.55	6.52	6.58	10.3		
		6	6.99	6.95	7.01	10.8		
		7	7.14	7.11	7.17	9.81		
		8	8.13	8.10	8.16	9.87		
	2	1	6.03	6.00	6.06	1.10	1.02	
		2	6.26	6.24	6.30	1.27		
		3	6.59	6.57	6.63	1.27		
		4	7.35	7.33	7.39	1.03		
		5	7.91	7.88	7.94	0.683		
		6	8.43	8.40	8.46	0.943		
		7	9.22	9.19	9.25	0.902		
		8	10.16	10.14	10.20	0.944		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD Lab Sample ID: 460-300484-2 MSD

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 14:31 Date Analyzed (2): 03/22/2024 14:31

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	2.72	3.53	171.8
		2	2.51	2.48	2.54	3.65		
		3	2.70	2.67	2.73	5.45		
		4	2.98	2.96	3.02	2.93		
		5	3.13	3.10	3.16	2.67		
		6	3.19	3.16	3.22	2.96		
		7	3.59	3.55	3.61	4.35		
	2	1	2.86	2.83	2.89	0.212	0.268	
		2	3.35	3.32	3.38	0.179		
		3	3.89	3.86	3.92	0.200		
		4	4.05	4.02	4.08	0.295		
		5	4.18	4.15	4.21	0.148		
		6	4.63	4.60	4.66	0.242		
		7	4.77	4.75	4.81	0.432		
		8	5.14	5.11	5.17	0.439		
Aroclor 1260	1	1	4.97	4.94	5.00	5.80	4.75	174.7
		2	5.30	5.26	5.32	5.98		
		3	5.78	5.75	5.81	4.98		
		4	6.10	6.06	6.12	3.03		
		5	6.55	6.52	6.58	4.55		
		6	6.99	6.95	7.01	4.62		
		7	7.14	7.11	7.17	4.59		
		8	8.13	8.10	8.16	4.46		
	2	1	6.03	6.00	6.06	0.350	0.321	
		2	6.26	6.24	6.30	0.395		
		3	6.59	6.57	6.63	0.363		
		4	7.35	7.33	7.39	0.316		
		5	7.90	7.88	7.94	0.259		
		6	8.43	8.40	8.46	0.297		
		7	9.22	9.19	9.25	0.288		
		8	10.16	10.14	10.20	0.298		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R Lab Sample ID: 460-300484-3

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 13:41 Date Analyzed (2): 03/22/2024 13:41

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1260	1	1	4.97	4.94	5.00	1.83	1.5	5.2
		2	5.30	5.26	5.32	1.45		
		3	5.77	5.75	5.81	1.94		
		4	6.10	6.06	6.12	1.42		
		5	6.55	6.52	6.58	1.46		
		6	6.99	6.95	7.01	1.60		
		7	7.14	7.11	7.17	1.25		
		8	8.13	8.10	8.16	1.31		
	2	1	6.03	6.00	6.06	1.59	1.5	
		2	6.26	6.24	6.30	1.77		
		3	6.59	6.57	6.63	1.78		
		4	7.35	7.33	7.39	1.42		
		5	7.91	7.88	7.94	1.09		
		6	8.43	8.40	8.46	1.41		
		7	9.22	9.19	9.25	1.33		
		8	10.16	10.14	10.20	1.25		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 13:58 Date Analyzed (2): 03/22/2024 13:58

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1260	1	1	4.97	4.94	5.00	0.608	0.49	1.8
		2	5.30	5.26	5.32	0.432		
		3	5.76	5.75	5.81	0.901		
		4	6.10	6.06	6.12	0.435		
		5	6.55	6.52	6.58	0.404		
		6	6.99	6.95	7.01	0.442		
		7	7.14	7.11	7.17	0.336		
		8	8.13	8.10	8.16	0.390		
	2	1	6.03	6.00	6.06	0.574	0.48	
		2	6.26	6.24	6.30	0.650		
		3	6.59	6.57	6.63	0.596		
		4	7.36	7.33	7.39	0.475		
		5	7.90	7.88	7.94	0.381		
		6	8.43	8.40	8.46	0.447		
		7	9.22	9.19	9.25	0.401		
		8	10.16	10.14	10.20	0.354		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-965331/2-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 08:25 Date Analyzed (2): 03/22/2024 08:25

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	3.17	3.17	8.2
		2	2.51	2.48	2.54	3.13		
		3	2.71	2.67	2.73	3.15		
		4	2.99	2.96	3.02	3.15		
		5	3.13	3.10	3.16	3.16		
		6	3.20	3.16	3.22	3.21		
		7	3.58	3.55	3.61	3.13		
		8	4.01	3.98	4.04	3.23		
	2	1	2.86	2.83	2.89	3.02	2.92	
		2	3.35	3.32	3.38	2.82		
		3	3.89	3.86	3.92	2.97		
		4	4.05	4.02	4.08	2.90		
		5	4.18	4.15	4.21	2.92		
		6	4.63	4.60	4.66	2.92		
		7	4.77	4.75	4.81	2.95		
		8	5.14	5.11	5.17	2.84		
Aroclor 1260	1	1	4.97	4.94	5.00	3.20	3.17	2.8
		2	5.29	5.26	5.32	3.16		
		3	5.78	5.75	5.81	3.13		
		4	6.10	6.06	6.12	3.17		
		5	6.55	6.52	6.58	3.21		
		6	6.99	6.95	7.01	3.17		
		7	7.14	7.11	7.17	3.11		
		8	8.13	8.10	8.16	3.19		
	2	1	6.03	6.00	6.06	2.97	3.08	
		2	6.26	6.24	6.30	2.96		
		3	6.59	6.57	6.63	3.06		
		4	7.35	7.33	7.39	3.12		
		5	7.90	7.88	7.94	3.02		
		6	8.43	8.40	8.46	3.22		
		7	9.22	9.19	9.25	3.15		
		8	10.17	10.14	10.20	3.15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-965331/3-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 08:42 Date Analyzed (2): 03/22/2024 08:42

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	3.35	3.22	7.4
		2	2.51	2.48	2.54	3.18		
		3	2.71	2.67	2.73	3.20		
		4	2.98	2.96	3.02	3.16		
		5	3.13	3.10	3.16	3.18		
		6	3.20	3.16	3.22	3.23		
		7	3.58	3.55	3.61	3.18		
		8	4.01	3.98	4.04	3.26		
	2	1	2.86	2.83	2.89	3.01	2.99	
		2	3.35	3.32	3.38	2.97		
		3	3.89	3.86	3.92	2.95		
		4	4.05	4.02	4.08	2.96		
		5	4.18	4.15	4.21	2.99		
		6	4.63	4.60	4.66	2.98		
		7	4.77	4.75	4.81	3.03		
		8	5.14	5.11	5.17	3.01		
Aroclor 1260	1	1	4.97	4.94	5.00	3.24	3.23	2.9
		2	5.29	5.26	5.32	3.25		
		3	5.78	5.75	5.81	3.15		
		4	6.10	6.06	6.12	3.24		
		5	6.55	6.52	6.58	3.27		
		6	6.99	6.95	7.01	3.15		
		7	7.14	7.11	7.17	3.27		
		8	8.13	8.10	8.16	3.27		
	2	1	6.03	6.00	6.06	3.01	3.14	
		2	6.26	6.24	6.30	2.99		
		3	6.59	6.57	6.63	3.07		
		4	7.35	7.33	7.39	3.13		
		5	7.90	7.88	7.94	3.09		
		6	8.43	8.40	8.46	3.29		
		7	9.22	9.19	9.25	3.25		
		8	10.17	10.14	10.20	3.28		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 Lab Sample ID: 460-300484-1

Matrix: Water Lab File ID: 11F0031861.D

Analysis Method: 8082A Date Collected: 03/18/2024 13:50

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 13:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		10-150
877-09-8	Tetrachloro-m-xylene	90		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D
Lims ID: 460-300484-D-1-A
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 13:08:05 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-027
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 13:50:12 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 13:48:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.416	1.413	0.003	44024749	20.0	M
2	1.209	1.205	0.004	42216874	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.275	2.274	0.001	155419122	89.9	
2	1.802	1.798	0.004	204486161	88.6	
					RPD = 1.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.781	10.799	-0.018	227845300	102.4	
2	9.129	9.128	0.001	248274339	98.7	
					RPD = 3.67	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

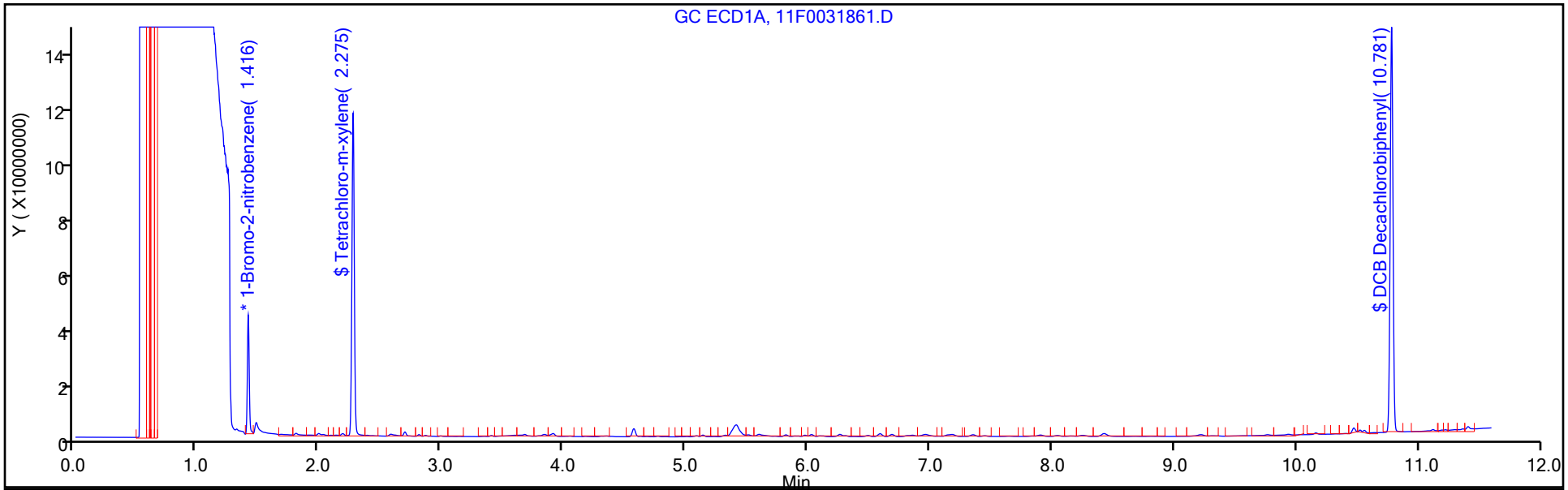
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

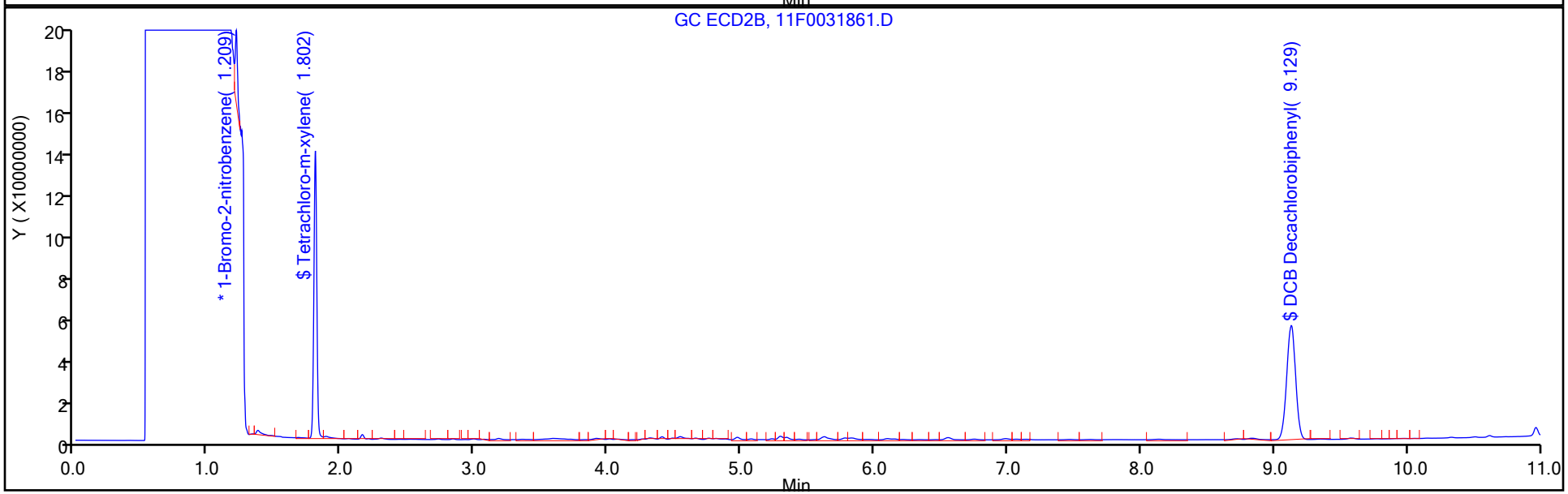
Report Date: 22-Mar-2024 13:50:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D

Injection Date:	22-Mar-2024 13:08:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-1-A	Lab Sample ID:	460-300484-1	Worklist Smp#:	27
Client ID:	MW-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D				
Lims ID:	460-300484-D-1-A				
Client ID:	MW-12				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:08:05	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-027				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 13:50:12	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 13:48:03		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.9	89.92
$ 11 DCB Decachlorobiphenyl	100.0	102.4	102.37

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	88.6	88.56
$ 11 DCB Decachlorobiphenyl	100.0	98.7	98.68

Manual Integration/User Assign Peak Report

Eurofins Edison

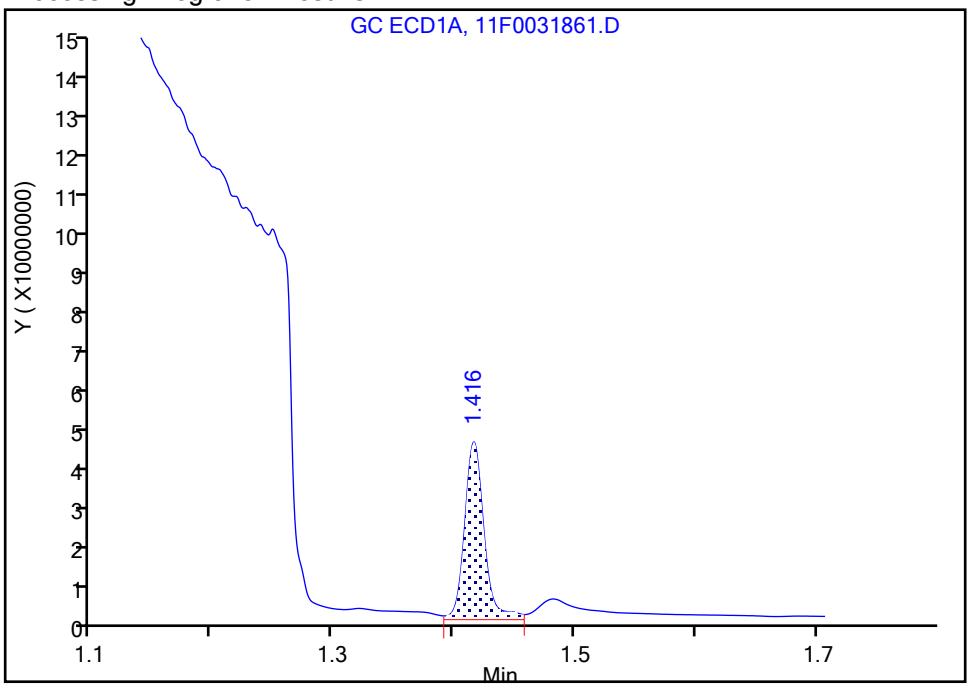
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D		
Injection Date:	22-Mar-2024 13:08:05	Instrument ID:	CPESTGC11
Lims ID:	460-300484-D-1-A	Lab Sample ID:	460-300484-1
Client ID:	MW-12		
Operator ID:		ALS Bottle#:	27 Worklist Smp#: 27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

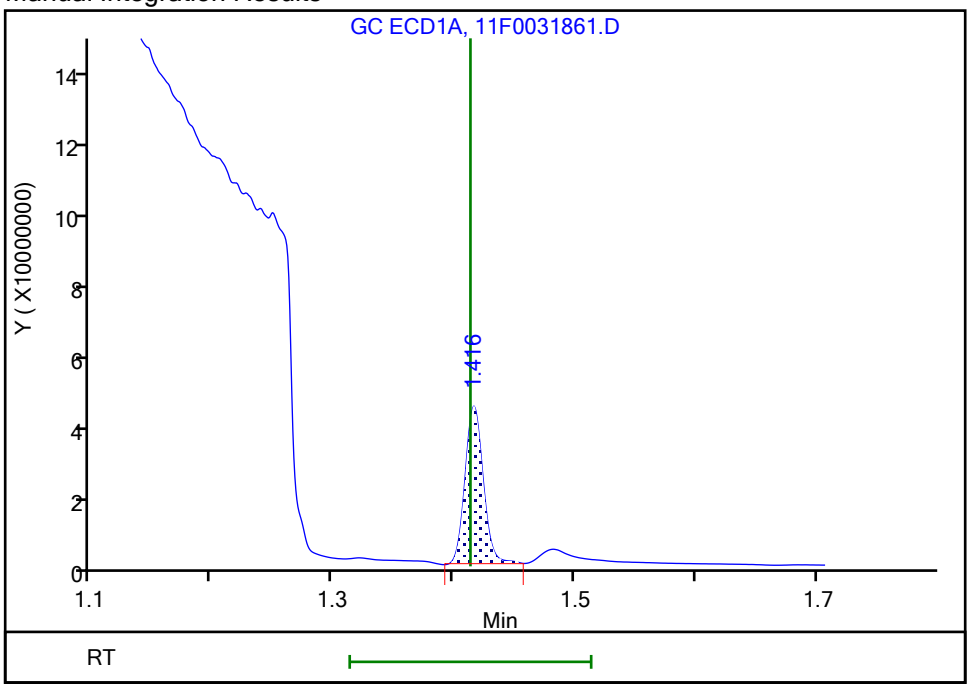
Processing Integration Results

RT: 1.42
Area: 48147586
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.42
Area: 44024749
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 13:47:45 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-12 Lab Sample ID: 460-300484-1

Matrix: Water Lab File ID: 11F0031861.D

Analysis Method: 8082A Date Collected: 03/18/2024 13:50

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 13:08

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		10-150
877-09-8	Tetrachloro-m-xylene	89		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D
Lims ID: 460-300484-D-1-A
Client ID: MW-12
Sample Type: Client
Inject. Date: 22-Mar-2024 13:08:05 ALS Bottle#: 27 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-027
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 13:50:12 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 13:48:03

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.416	1.413	0.003	44024749	20.0	M
2	1.209	1.205	0.004	42216874	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.275	2.274	0.001	155419122	89.9	
2	1.802	1.798	0.004	204486161	88.6	
					RPD = 1.53	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.781	10.799	-0.018	227845300	102.4	
2	9.129	9.128	0.001	248274339	98.7	
					RPD = 3.67	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

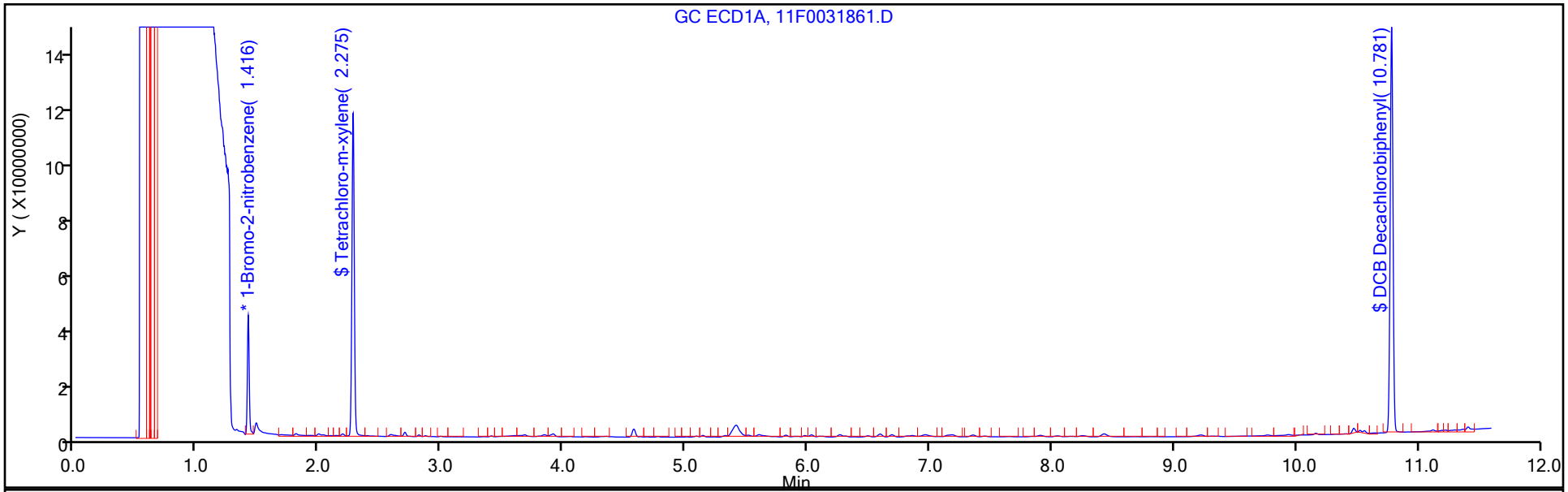
Reagents:

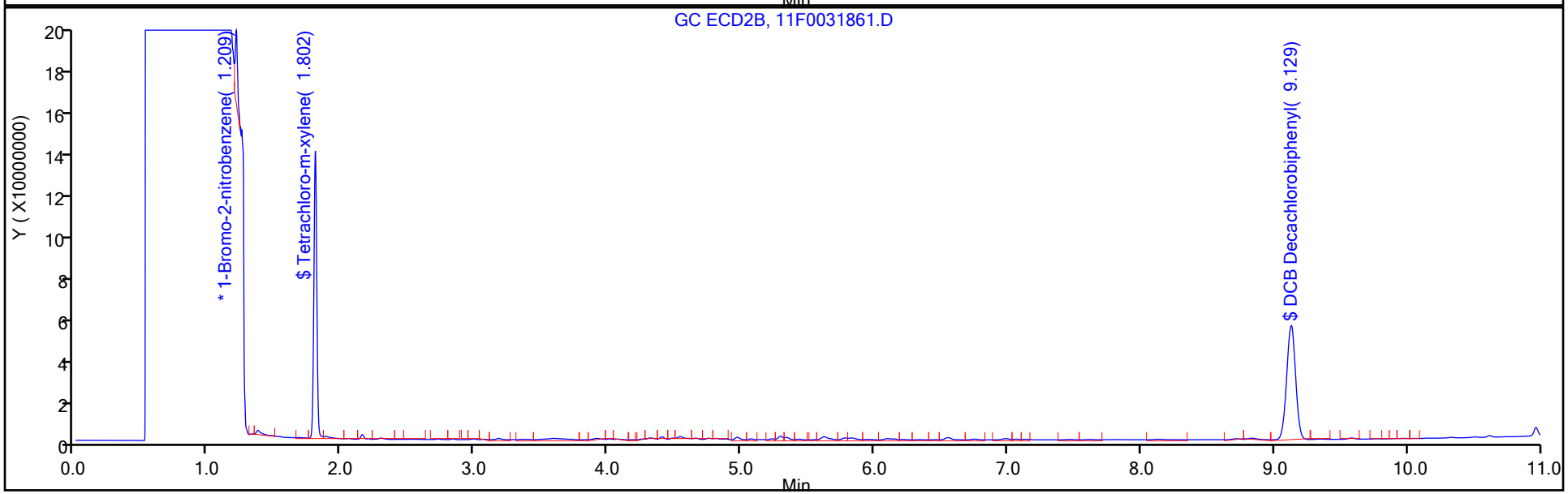
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 13:50:16 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D				
Injection Date:	22-Mar-2024 13:08:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-1-A	Lab Sample ID:	460-300484-1	Worklist Smp#:	27
Client ID:	MW-12				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D				
Lims ID:	460-300484-D-1-A				
Client ID:	MW-12				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:08:05	ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-027				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 13:50:12	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 13:48:03		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.9	89.92
$ 11 DCB Decachlorobiphenyl	100.0	102.4	102.37

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	88.6	88.56
$ 11 DCB Decachlorobiphenyl	100.0	98.7	98.68

Manual Integration/User Assign Peak Report

Eurofins Edison

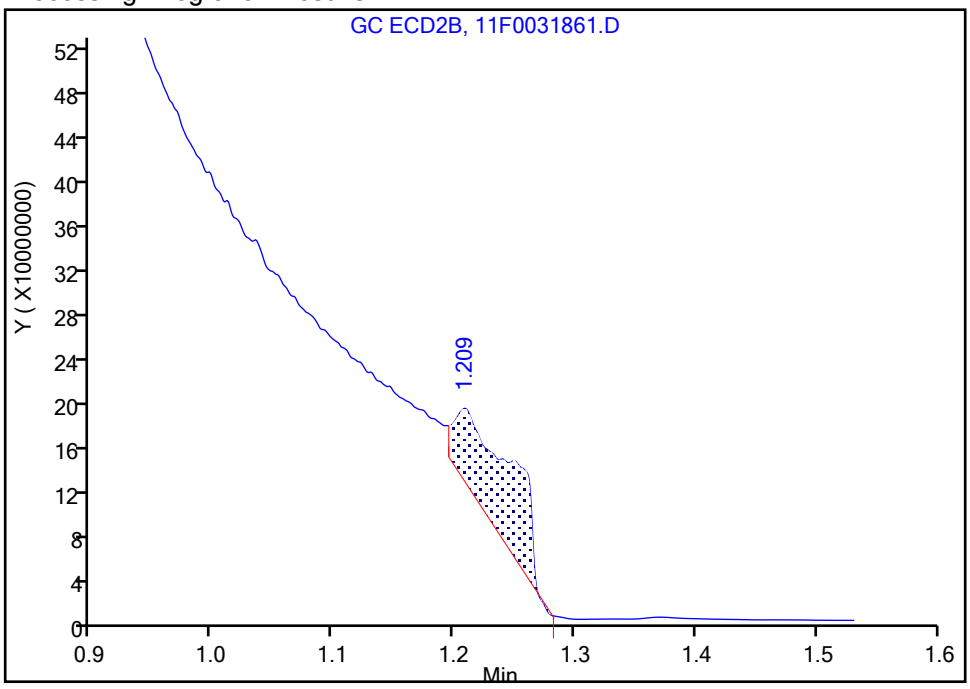
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031861.D				
Injection Date:	22-Mar-2024 13:08:05	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-1-A	Lab Sample ID:	460-300484-1		
Client ID:	MW-12				
Operator ID:		ALS Bottle#:	27	Worklist Smp#:	27
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

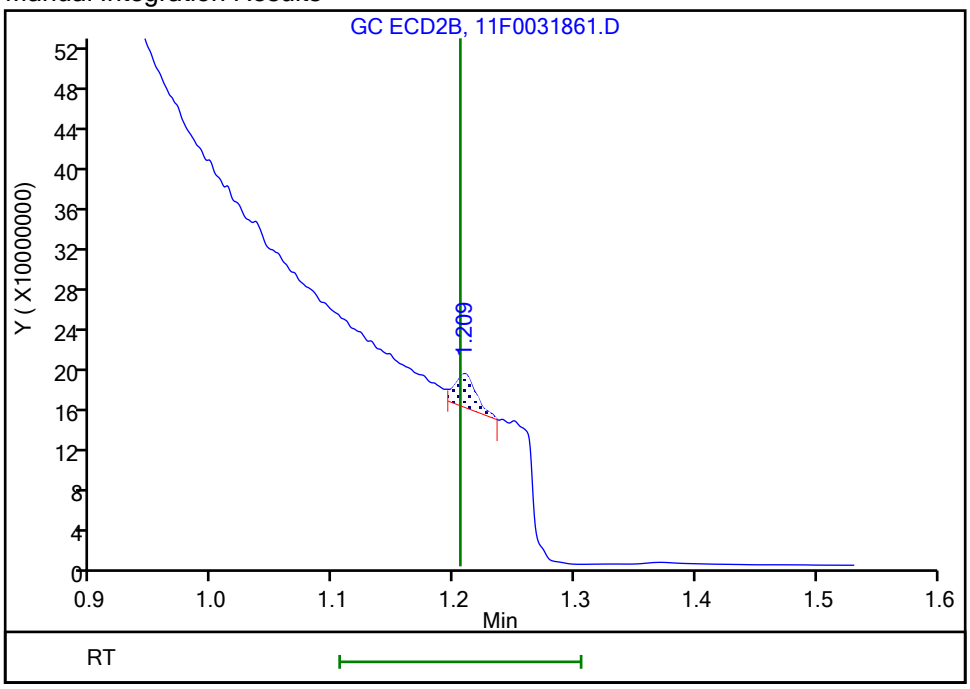
Processing Integration Results

RT: 1.21
Area: 290687904
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 42216874
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 13:47:58 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R Lab Sample ID: 460-300484-2

Matrix: Water Lab File ID: 11F0031862.D

Analysis Method: 8082A Date Collected: 03/18/2024 10:55

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 13:24

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	8	*	10-150
877-09-8	Tetrachloro-m-xylene	6	*	10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D
Lims ID: 460-300484-D-2-B
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:24:45 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-028
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 13:49:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						sM
1	1.414	1.413	0.001	606858087	20.0	
2	1.205	1.205	0.000	55364476	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	147069425	6.17	
2	1.799	1.798	0.001	221024631	73.0	
					RPD = 168.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						M
1	6.029	6.033	-0.004	14348149	27.5	M
1	6.263	6.265	-0.002	33177438	27.2	M
1	6.593	6.595	-0.002	39901242	28.2	M
1	7.356	7.358	-0.002	28063601	22.5	M
1	7.908	7.908	0.000	20776420	14.8	M
1	8.429	8.431	-0.002	60221692	17.5	M
1	9.218	9.223	-0.005	41228695	16.6	M
1	10.162	10.170	-0.008	20209315	17.5	
		Average of Peak Amounts =			21.5	
2	4.972	4.969	0.003	43281006	320.0	
2	5.296	5.292	0.004	58243977	232.0	
2	5.776	5.777	-0.001	36819539	248.3	
2	6.098	6.094	0.004	30230241	140.7	
2	6.556	6.552	0.004	61166866	167.7	
2	6.988	6.984	0.004	31646774	183.5	
2	7.134	7.139	-0.005	24749031	219.4	
2	8.133	8.130	0.003	20684063	175.0	
		Average of Peak Amounts =			210.8	
					RPD = 163.03	
$ 11 DCB Decachlorobiphenyl						
1	10.784	10.799	-0.015	231101859	7.53	
2	9.133	9.128	0.005	249167441	75.5	
					RPD = 163.72	
S 12 Polychlorinated biphenyls, Total						
1					21.5	

QC Flag Legend

Processing Flags
s - Failed ISTD Recovery Test
Review Flags
M - Manually Integrated

Reagents:

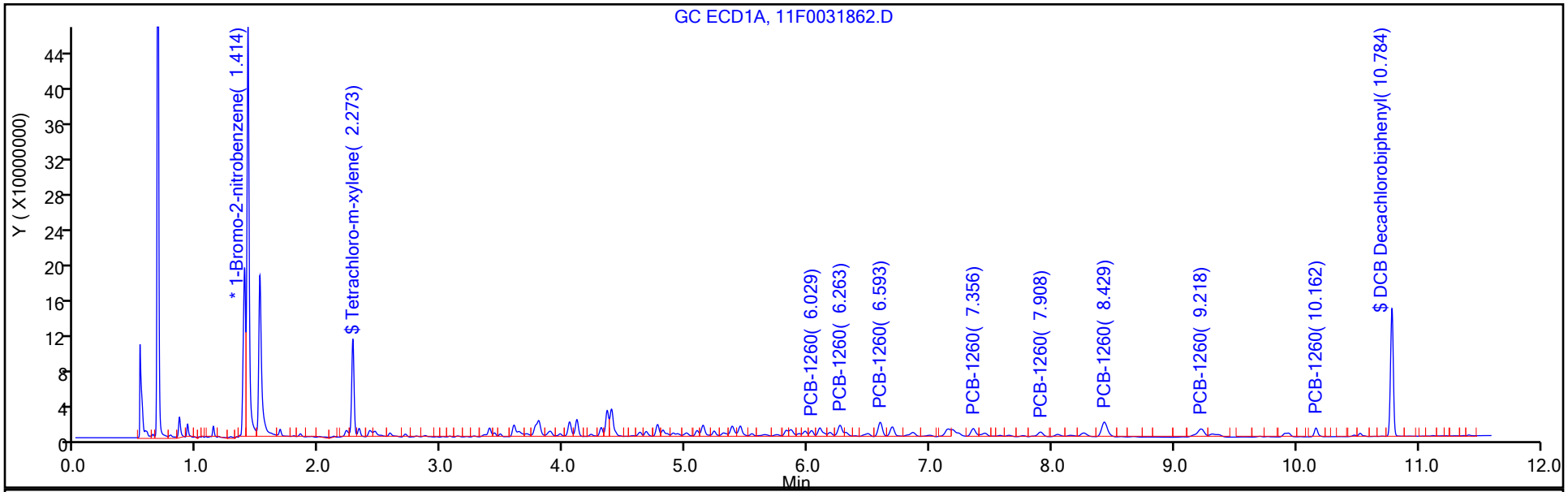
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

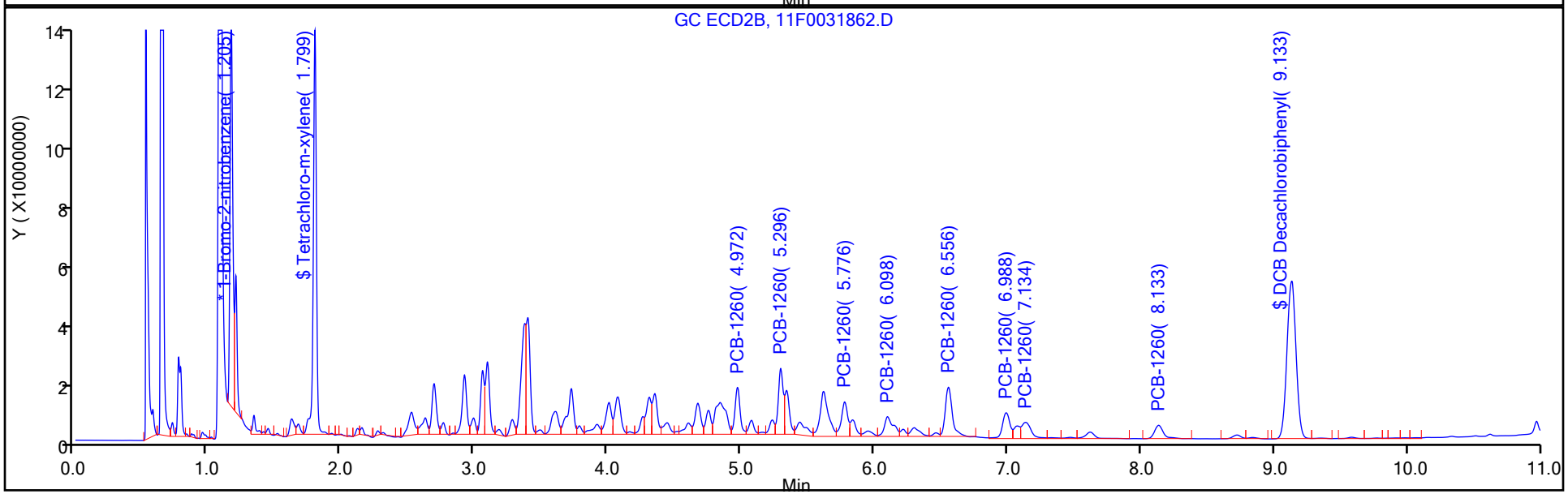
Report Date: 22-Mar-2024 14:47:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D

Injection Date:	22-Mar-2024 13:24:45	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-2-B	Lab Sample ID:	460-300484-2	Worklist Smp#:	28
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D				
Lims ID:	460-300484-D-2-B				
Client ID:	MW-16R				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:24:45	ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-028				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:47:14	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 13:49:06		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	6.17	6.17
$ 11 DCB Decachlorobiphenyl	100.0	7.53	7.53

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	73.0	72.99
$ 11 DCB Decachlorobiphenyl	100.0	75.5	75.52

Report Date: 22-Mar-2024 14:47:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

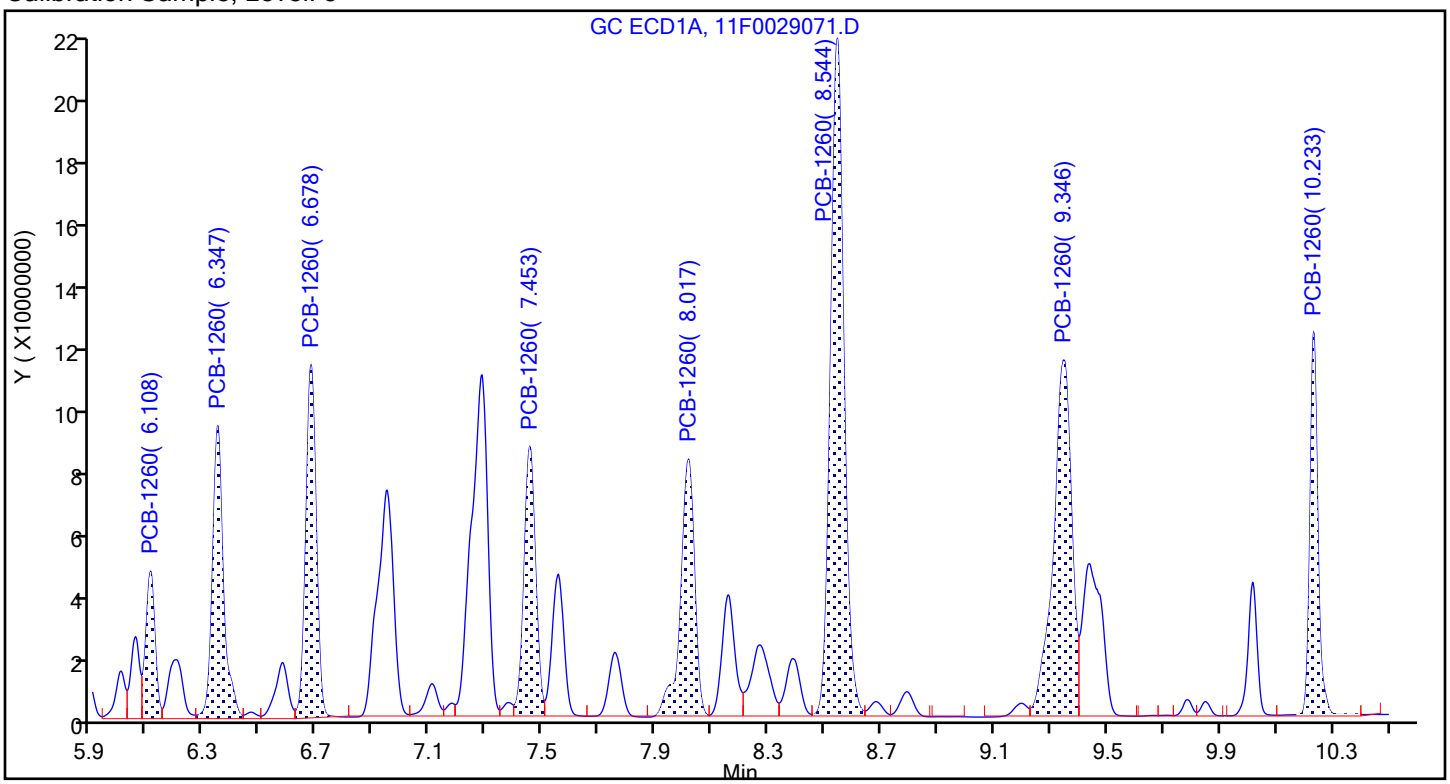
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D

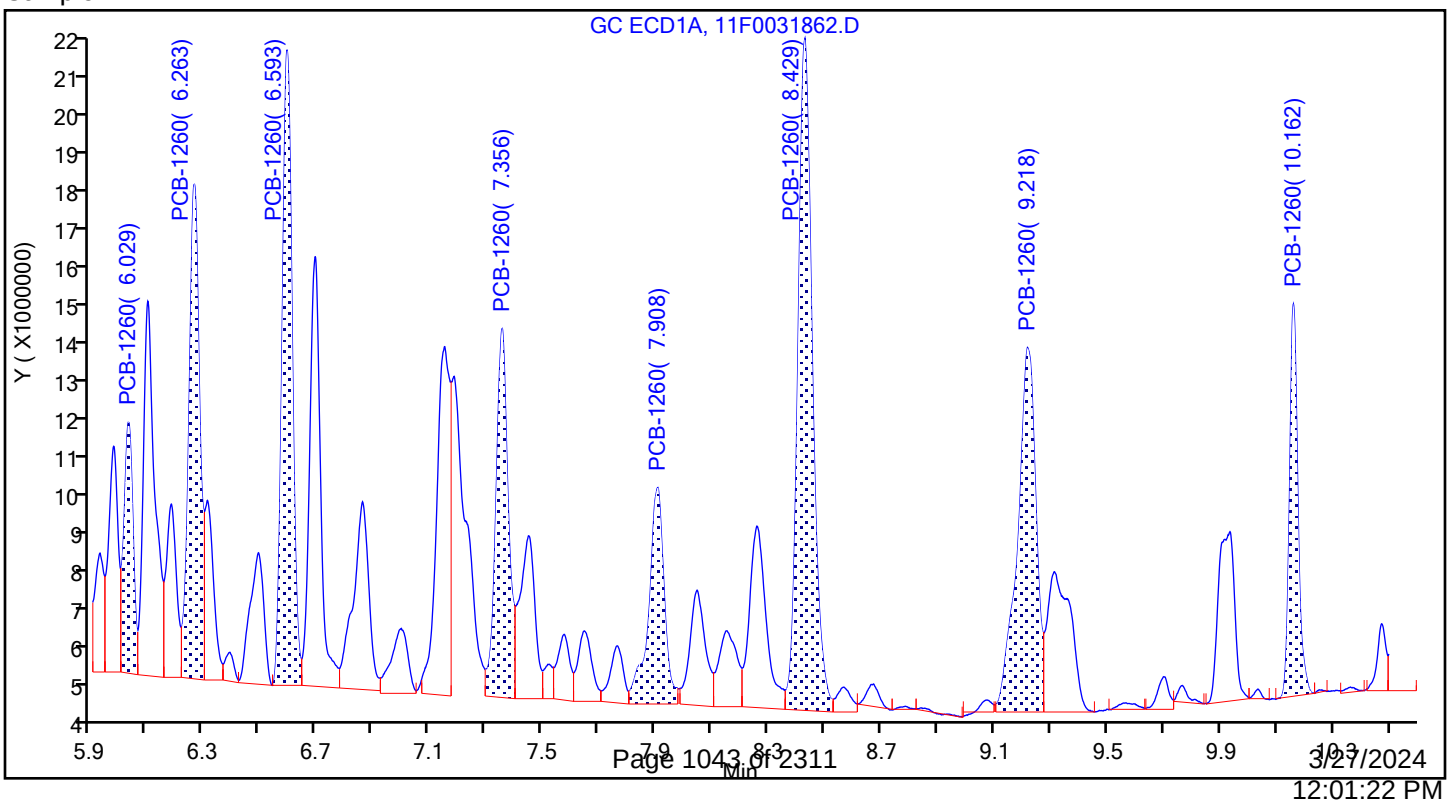
Injection Date:	22-Mar-2024 13:24:45	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample

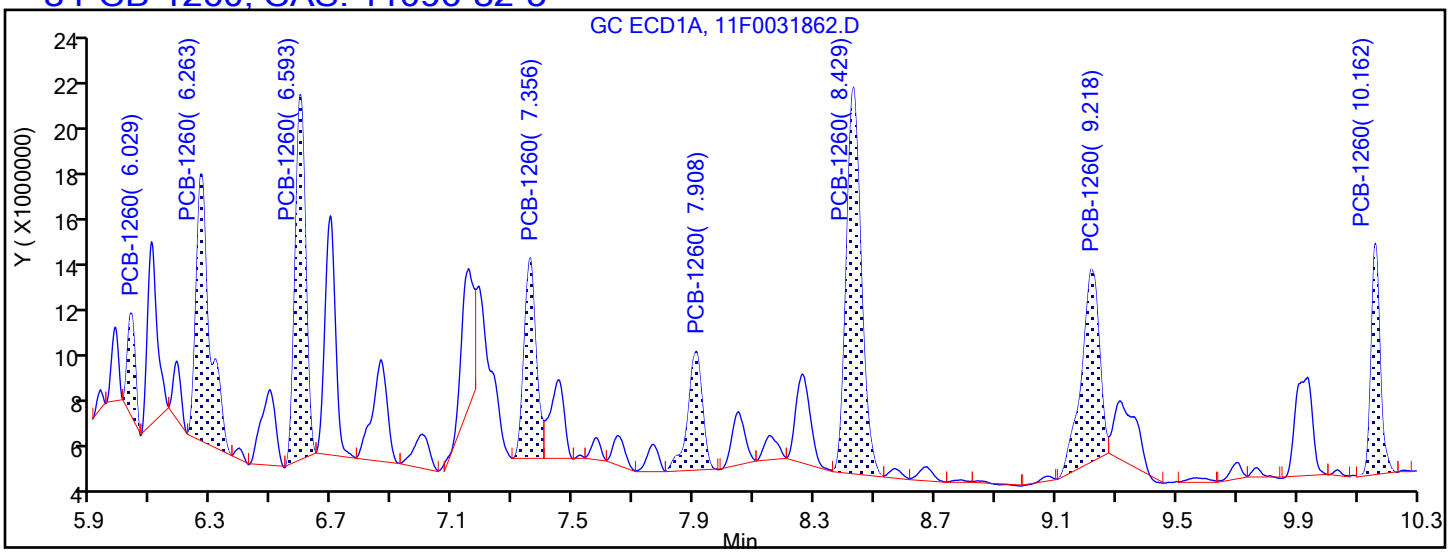


Report Date: 22-Mar-2024 14:47:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

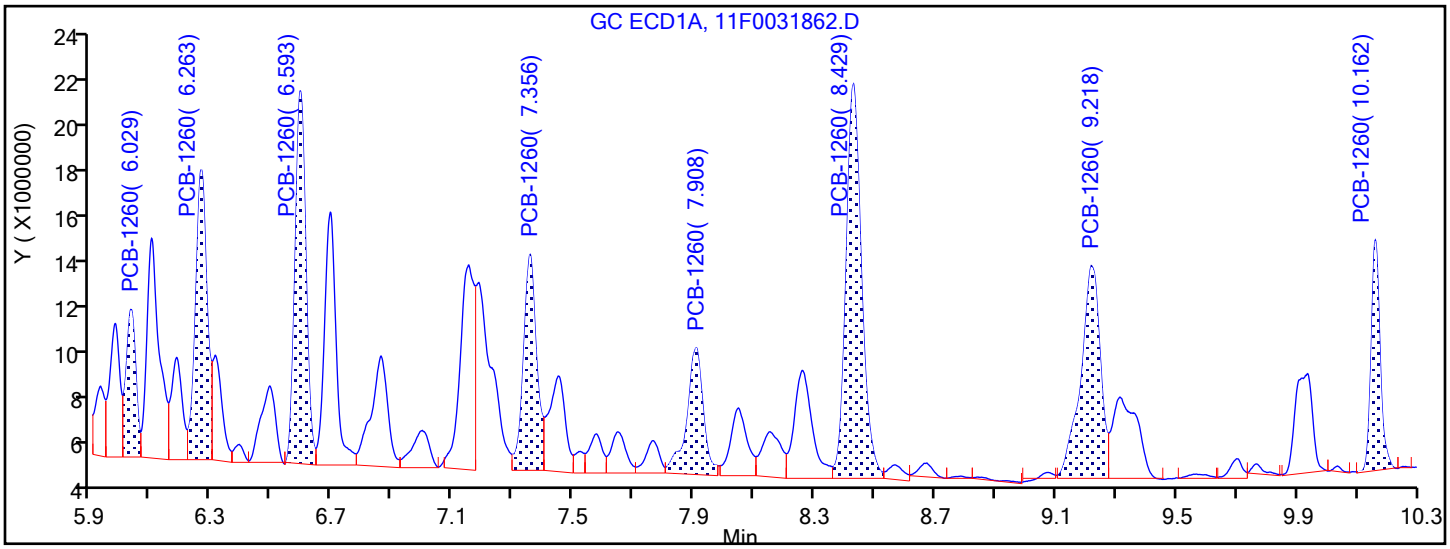
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D
Injection Date: 22-Mar-2024 13:24:45 Instrument ID: CPESTGC11
Lims ID: 460-300484-D-2-B Lab Sample ID: 460-300484-2
Client ID: MW-16R
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.029	Response = 7790827
6.263	Response = 35595448
6.593	Response = 37885488
7.356	Response = 23613451
7.908	Response = 17178244
8.429	Response = 56215305
9.218	Response = 33823883
10.162	Response = 20209315



Manual Integration Results

6.029	Response = 14348149	M
6.263	Response = 33177438	M
6.593	Response = 39901242	M
7.356	Response = 28063601	M
7.908	Response = 20776420	M
8.429	Response = 60221692	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R | Lab Sample ID: 460-300484-2

Matrix: Water | Lab File ID: 11F0031862.D

Analysis Method: 8082A | Date Collected: 03/18/2024 10:55

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:24

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.84		0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.84		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	76		10-150
877-09-8	Tetrachloro-m-xylene	73		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D
Lims ID: 460-300484-D-2-B
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:24:45 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-028
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 13:49:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						sM
1	1.414	1.413	0.001	606858087	20.0	
2	1.205	1.205	0.000	55364476	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	147069425	6.17	
2	1.799	1.798	0.001	221024631	73.0	
					RPD = 168.81	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						M
1	6.029	6.033	-0.004	14348149	27.5	M
1	6.263	6.265	-0.002	33177438	27.2	M
1	6.593	6.595	-0.002	39901242	28.2	M
1	7.356	7.358	-0.002	28063601	22.5	M
1	7.908	7.908	0.000	20776420	14.8	M
1	8.429	8.431	-0.002	60221692	17.5	M
1	9.218	9.223	-0.005	41228695	16.6	M
1	10.162	10.170	-0.008	20209315	17.5	
		Average of Peak Amounts =			21.5	
2	4.972	4.969	0.003	43281006	320.0	
2	5.296	5.292	0.004	58243977	232.0	
2	5.776	5.777	-0.001	36819539	248.3	
2	6.098	6.094	0.004	30230241	140.7	
2	6.556	6.552	0.004	61166866	167.7	
2	6.988	6.984	0.004	31646774	183.5	
2	7.134	7.139	-0.005	24749031	219.4	
2	8.133	8.130	0.003	20684063	175.0	
		Average of Peak Amounts =			210.8	
					RPD = 163.03	
$ 11 DCB Decachlorobiphenyl						
1	10.784	10.799	-0.015	231101859	7.53	
2	9.133	9.128	0.005	249167441	75.5	
					RPD = 163.72	
S 12 Polychlorinated biphenyls, Total						
1					21.5	

QC Flag Legend

Processing Flags

s - Failed ISTD Recovery Test

Review Flags

M - Manually Integrated

Reagents:

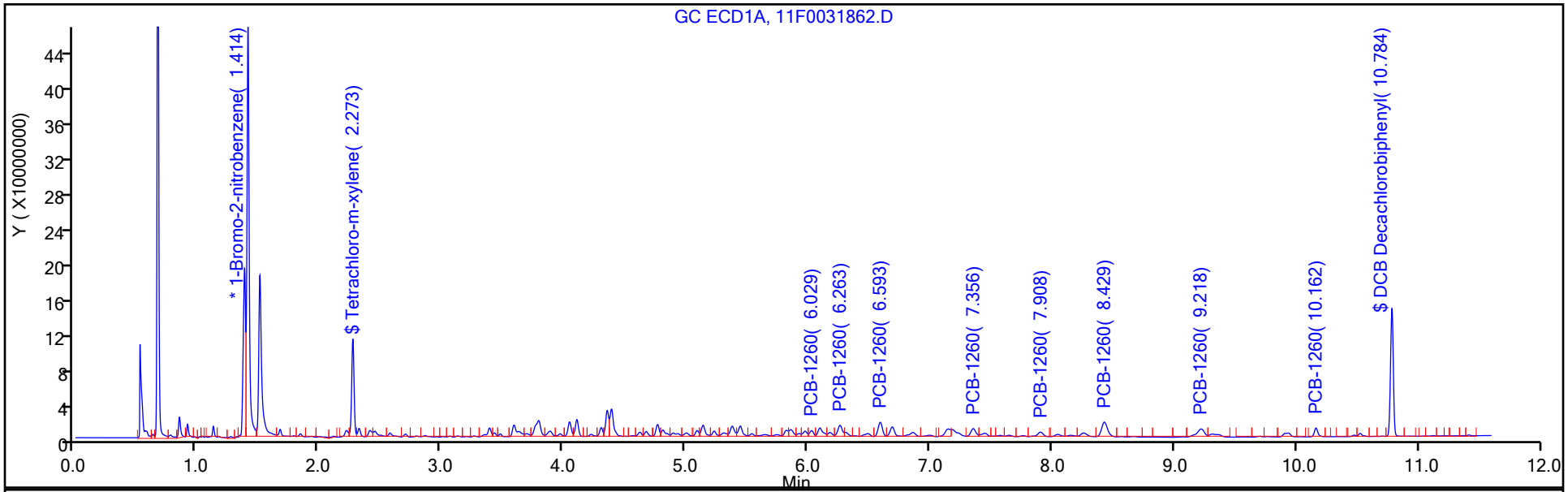
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

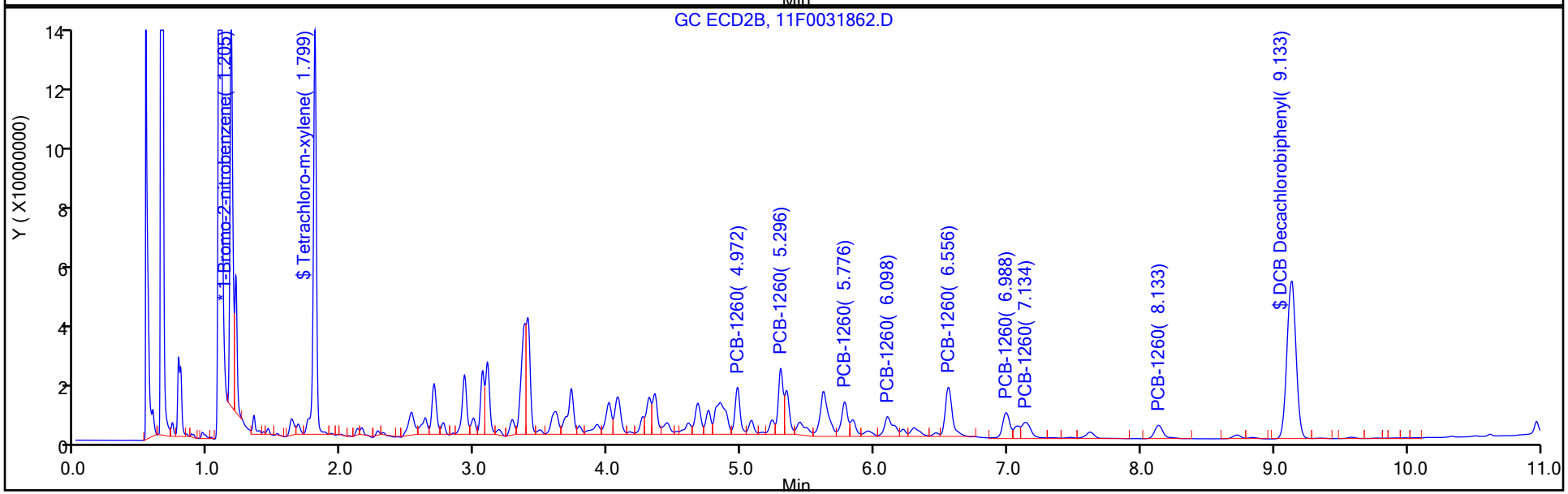
Report Date: 22-Mar-2024 14:47:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D

Injection Date:	22-Mar-2024 13:24:45	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-2-B	Lab Sample ID:	460-300484-2	Worklist Smp#:	28
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D
Lims ID: 460-300484-D-2-B
Client ID: MW-16R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:24:45 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-028
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 13:49:06

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	6.17	6.17
$ 11 DCB Decachlorobiphenyl	100.0	7.53	7.53

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	73.0	72.99
$ 11 DCB Decachlorobiphenyl	100.0	75.5	75.52

Report Date: 22-Mar-2024 14:47:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

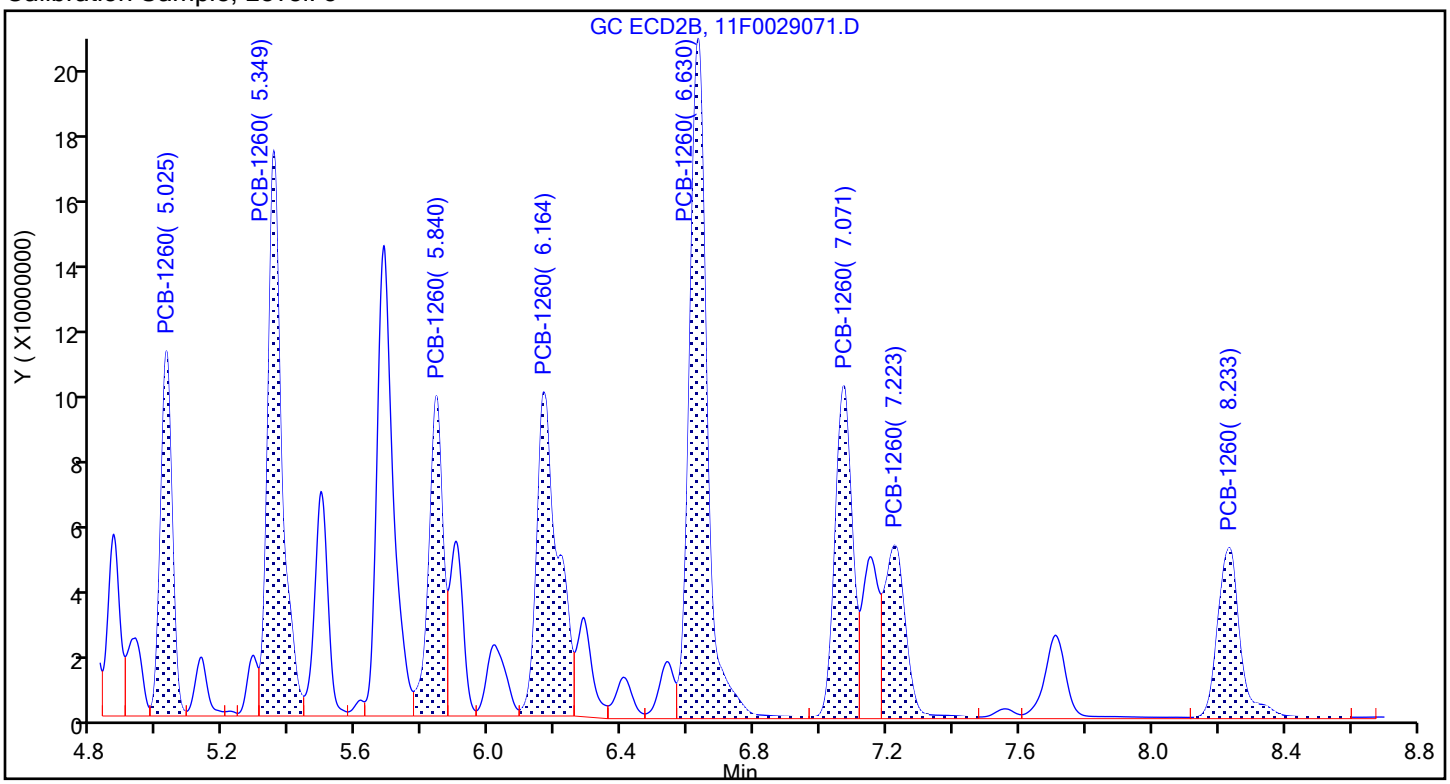
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D

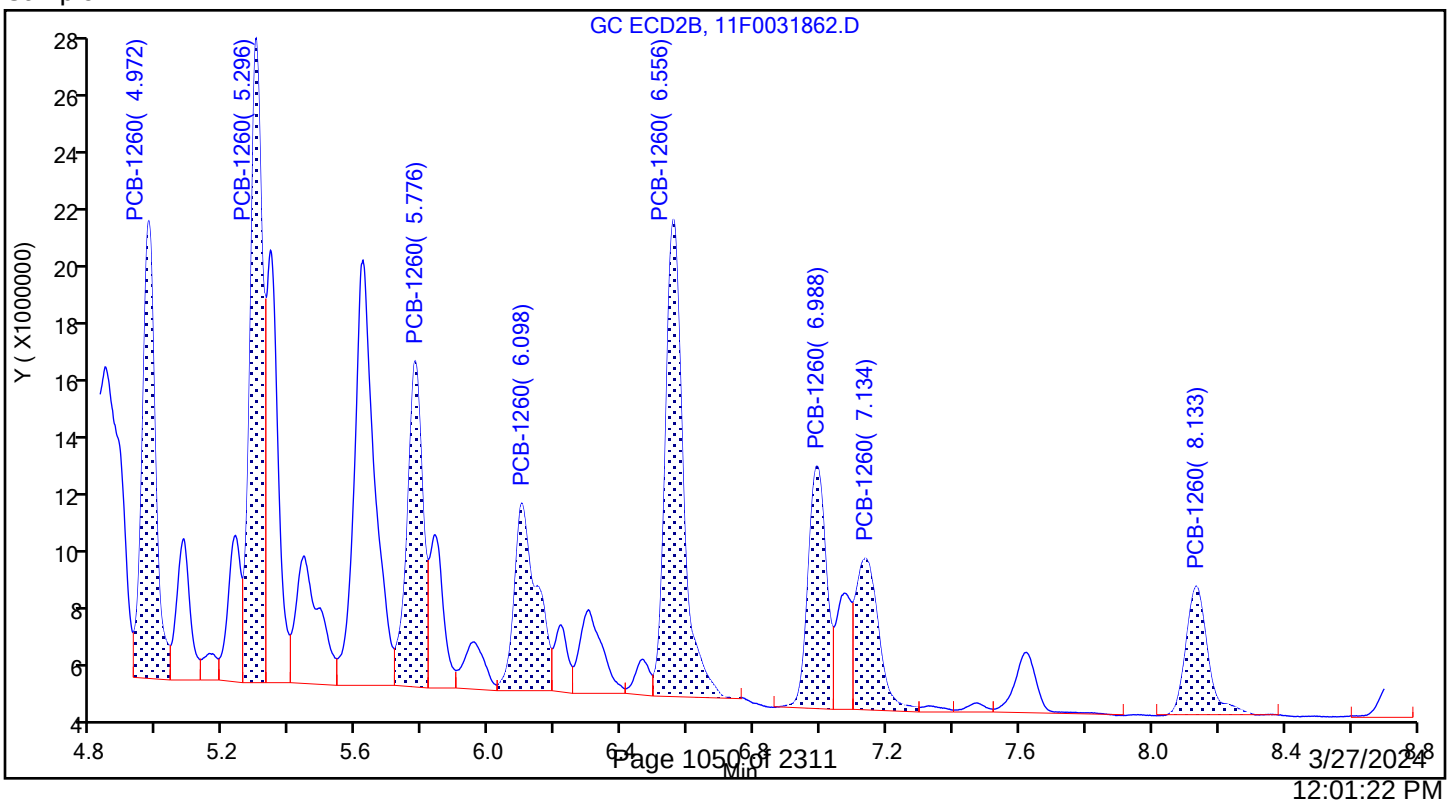
Injection Date:	22-Mar-2024 13:24:45	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



Manual Integration/User Assign Peak Report

Eurofins Edison

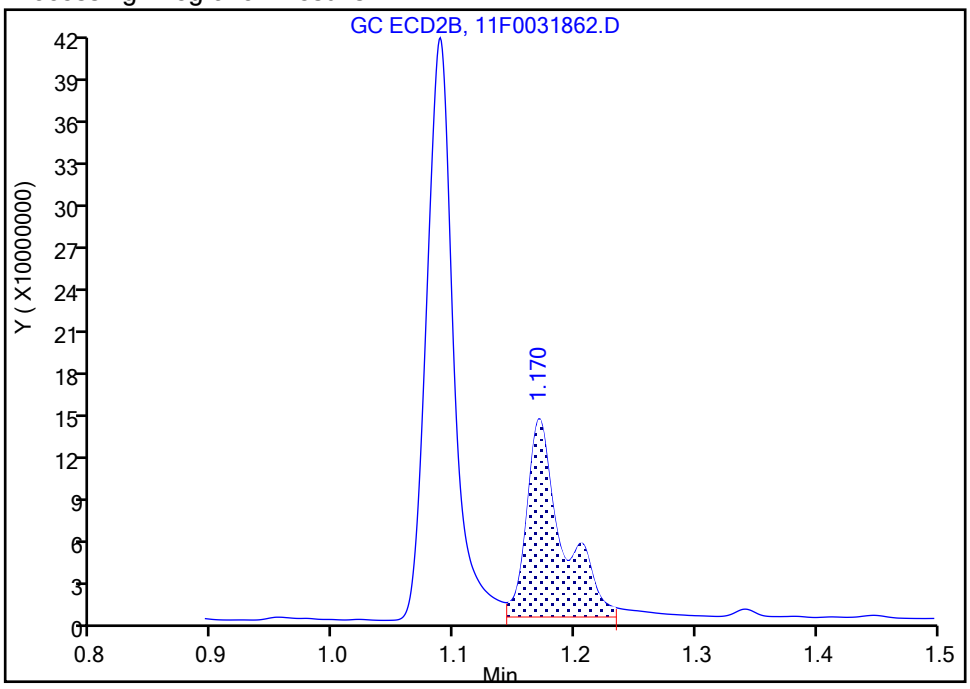
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031862.D				
Injection Date:	22-Mar-2024 13:24:45	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-2-B	Lab Sample ID:	460-300484-2		
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

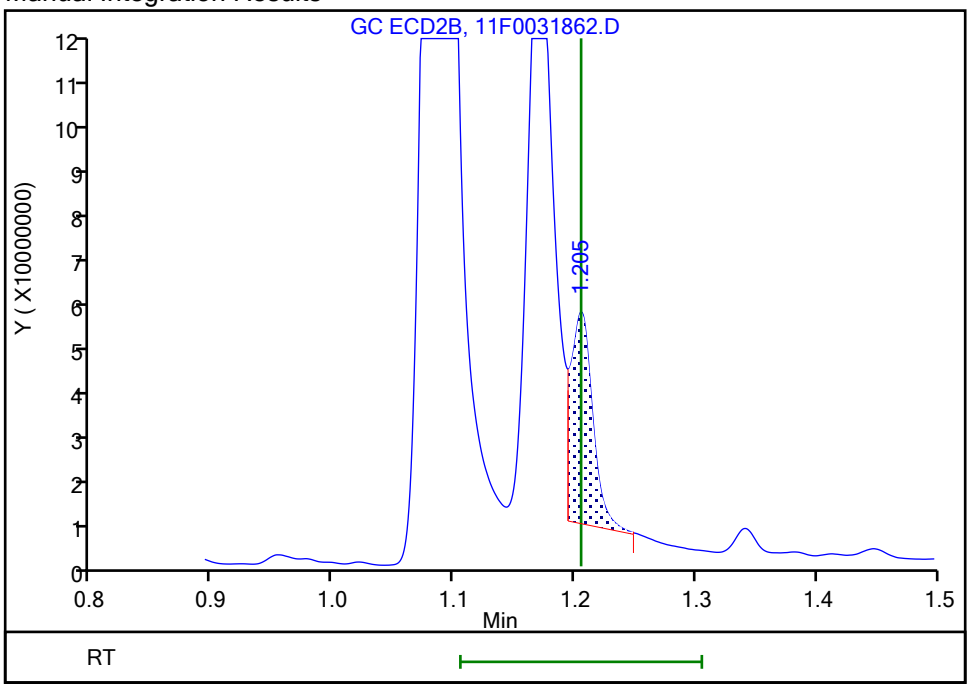
Processing Integration Results

RT: 1.17
Area: 287541737
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 55364476
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 13:48:37 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R Lab Sample ID: 460-300484-3

Matrix: Water Lab File ID: 11F0031863.D

Analysis Method: 8082A Date Collected: 03/18/2024 08:30

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 13:41

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		10-150
877-09-8	Tetrachloro-m-xylene	92		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D
Lims ID: 460-300484-D-3-A
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:41:28 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-029
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:19:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.413	1.413	0.000	42547826	20.0	
2	1.206	1.205	0.001	38919476	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	154093353	92.2	
2	1.800	1.798	0.002	192452229	90.4	
					RPD = 2.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						
1	6.031	6.033	-0.002	14530077	397.1	
1	6.264	6.265	-0.001	37856649	442.2	
1	6.591	6.595	-0.004	44229726	445.7	
1	7.354	7.358	-0.004	31017639	355.3	
1	7.906	7.908	-0.002	26842435	272.6	
1	8.430	8.431	-0.001	84723616	352.1	
1	9.222	9.223	-0.001	58026827	333.1	
1	10.161	10.170	-0.009	25359261	312.5	
		Average of Peak Amounts =			363.8	
2	4.971	4.969	0.002	43598087	458.6	
2	5.295	5.292	0.003	63877162	361.9	
2	5.772	5.777	-0.005	50511756	484.7	
2	6.097	6.094	0.003	53638217	355.0	
2	6.553	6.552	0.001	93599434	365.0	
2	6.986	6.984	0.002	48549672	400.4	
2	7.137	7.139	-0.002	24852114	313.4	
2	8.131	8.130	0.001	27113174	326.3	
		Average of Peak Amounts =			383.2	
					RPD = 5.18	
$ 11 DCB Decachlorobiphenyl						
1	10.781	10.799	-0.018	229376648	106.6	
2	9.130	9.128	0.002	246771417	106.4	
					RPD = 0.23	
S 12 Polychlorinated biphenyls, Total						
1					363.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

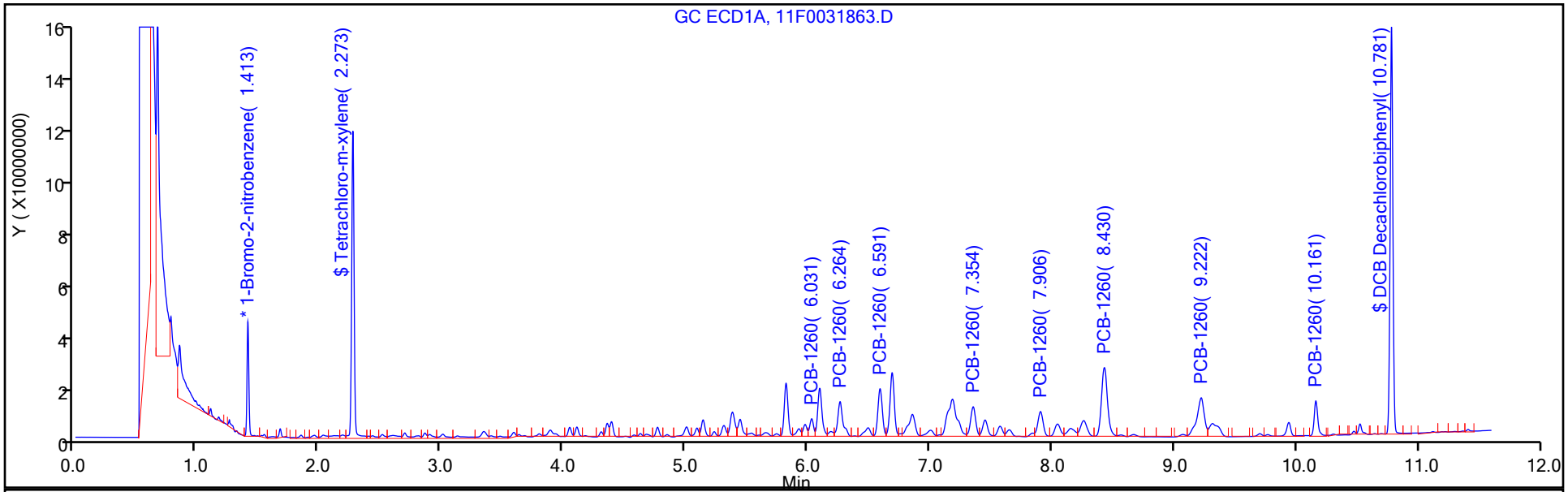
Reagents:

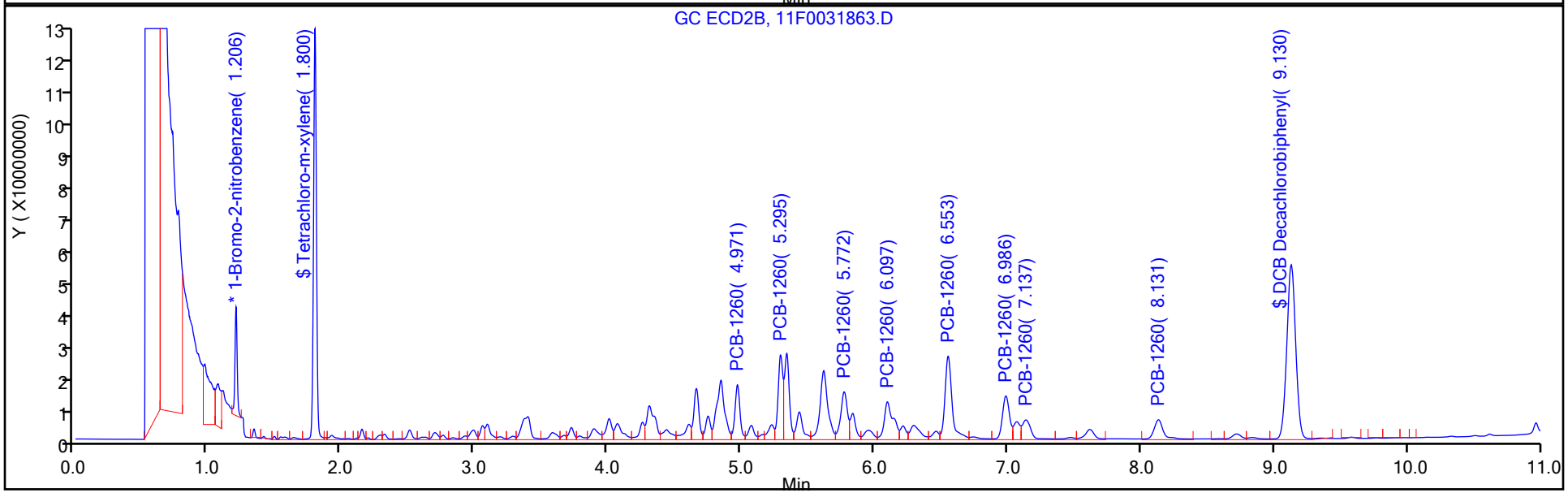
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 14:47:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D				
Injection Date:	22-Mar-2024 13:41:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-3-A	Lab Sample ID:	460-300484-3	Worklist Smp#:	29
Client ID:	MW-17R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D
Lims ID: 460-300484-D-3-A
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:41:28 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-029
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:19:26

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	92.2	92.25
$ 11 DCB Decachlorobiphenyl	100.0	106.6	106.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	90.4	90.41
$ 11 DCB Decachlorobiphenyl	100.0	106.4	106.40

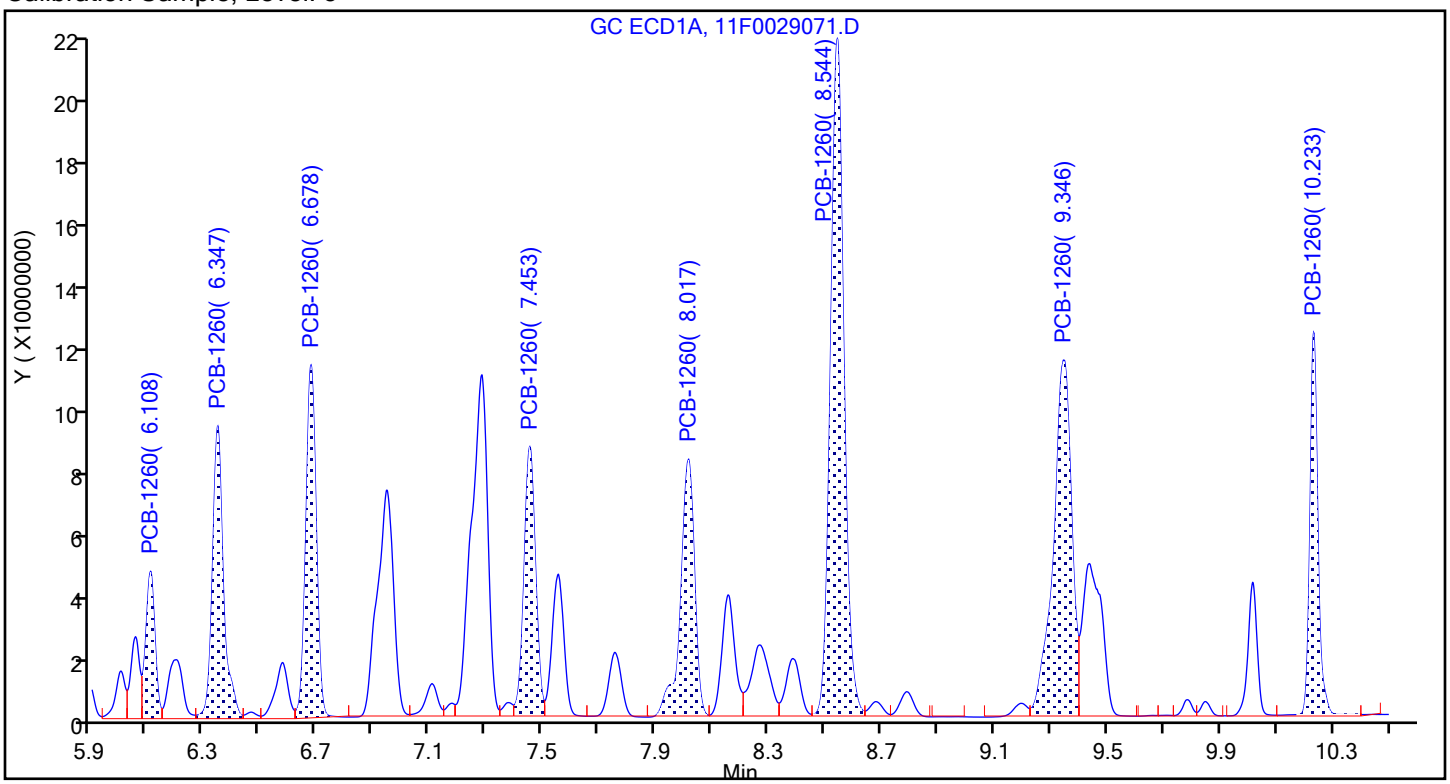
Report Date: 22-Mar-2024 14:47:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

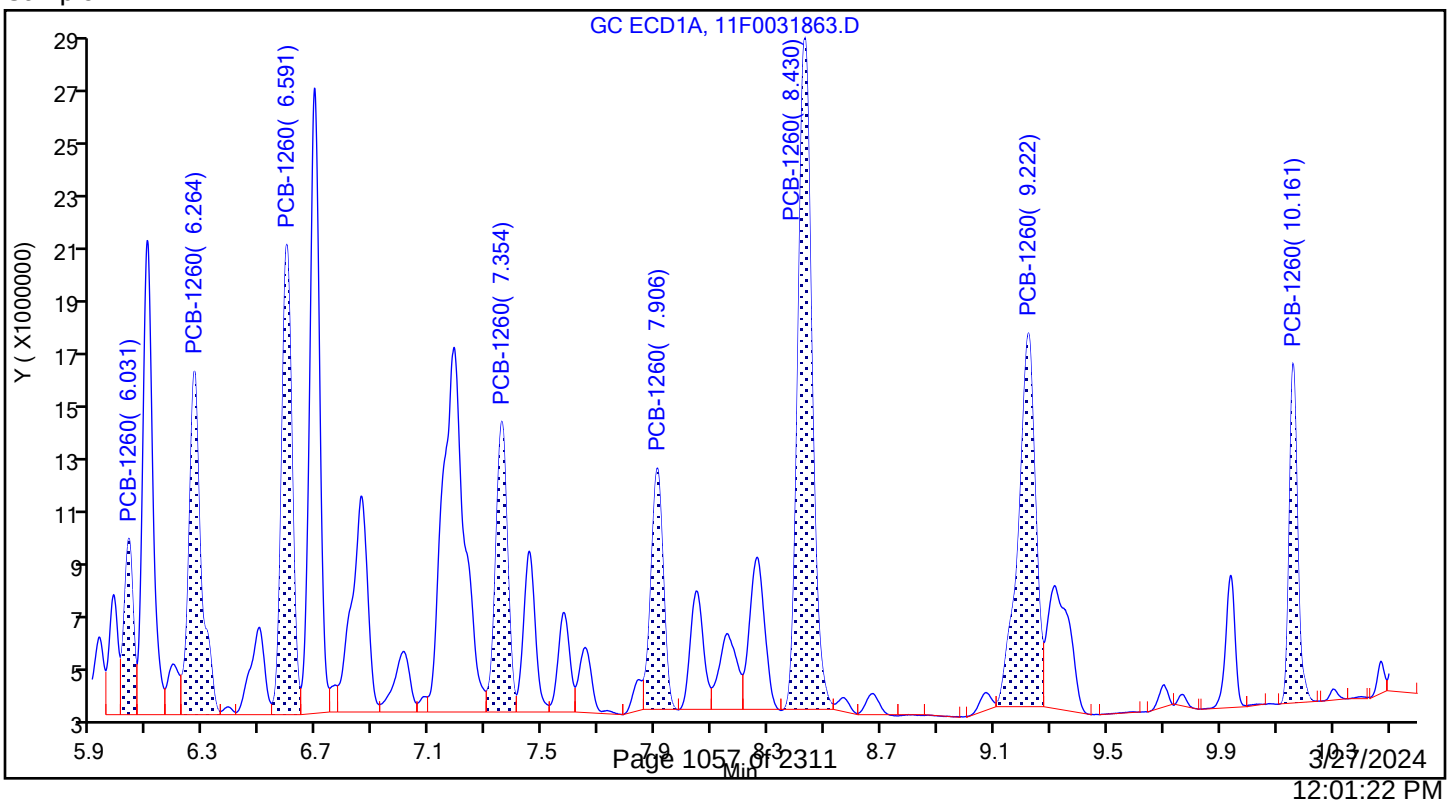
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D				
Injection Date:	22-Mar-2024 13:41:28	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD1A		

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-17R | Lab Sample ID: 460-300484-3

Matrix: Water | Lab File ID: 11F0031863.D

Analysis Method: 8082A | Date Collected: 03/18/2024 08:30

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:41

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	1.5		0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	1.5		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		10-150
877-09-8	Tetrachloro-m-xylene	90		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D
Lims ID: 460-300484-D-3-A
Client ID: MW-17R
Sample Type: Client
Inject. Date: 22-Mar-2024 13:41:28 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-029
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:19:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.413	1.413	0.000	42547826	20.0	
2	1.206	1.205	0.001	38919476	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	154093353	92.2	
2	1.800	1.798	0.002	192452229	90.4	
					RPD = 2.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						
1	6.031	6.033	-0.002	14530077	397.1	
1	6.264	6.265	-0.001	37856649	442.2	
1	6.591	6.595	-0.004	44229726	445.7	
1	7.354	7.358	-0.004	31017639	355.3	
1	7.906	7.908	-0.002	26842435	272.6	
1	8.430	8.431	-0.001	84723616	352.1	
1	9.222	9.223	-0.001	58026827	333.1	
1	10.161	10.170	-0.009	25359261	312.5	
		Average of Peak Amounts =			363.8	
2	4.971	4.969	0.002	43598087	458.6	
2	5.295	5.292	0.003	63877162	361.9	
2	5.772	5.777	-0.005	50511756	484.7	
2	6.097	6.094	0.003	53638217	355.0	
2	6.553	6.552	0.001	93599434	365.0	
2	6.986	6.984	0.002	48549672	400.4	
2	7.137	7.139	-0.002	24852114	313.4	
2	8.131	8.130	0.001	27113174	326.3	
		Average of Peak Amounts =			383.2	
					RPD = 5.18	
$ 11 DCB Decachlorobiphenyl						
1	10.781	10.799	-0.018	229376648	106.6	
2	9.130	9.128	0.002	246771417	106.4	
					RPD = 0.23	
S 12 Polychlorinated biphenyls, Total						
1					363.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

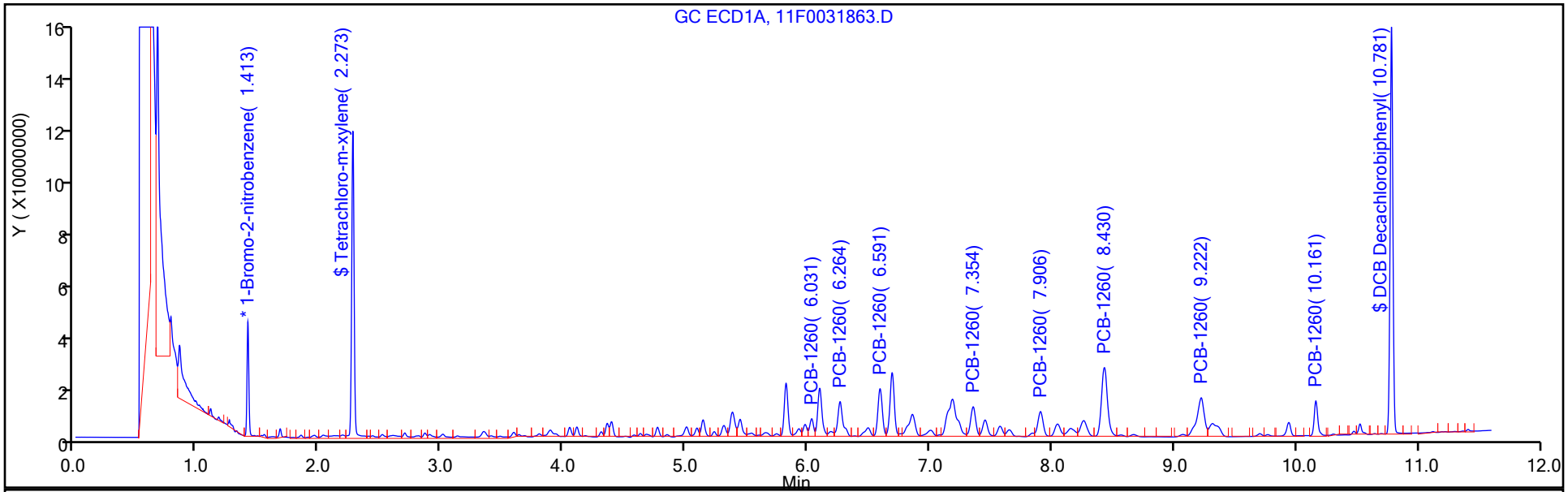
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

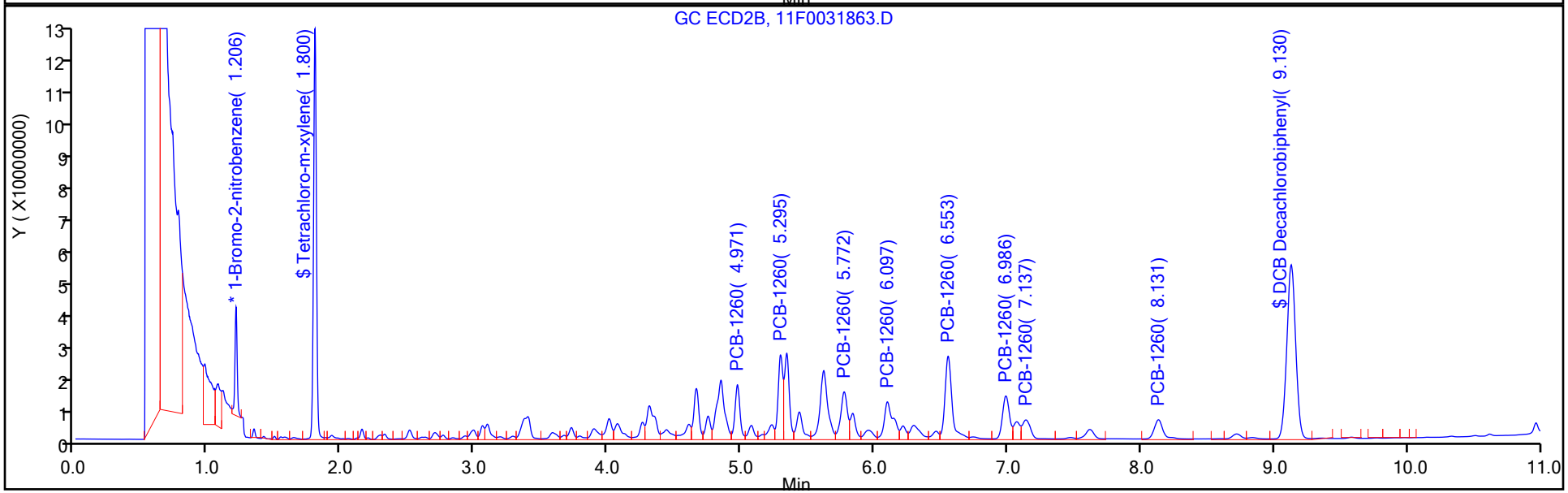
Report Date: 22-Mar-2024 14:47:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D

Injection Date:	22-Mar-2024 13:41:28	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-3-A	Lab Sample ID:	460-300484-3	Worklist Smp#:	29
Client ID:	MW-17R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D				
Lims ID:	460-300484-D-3-A				
Client ID:	MW-17R				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:41:28	ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-029				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:47:14	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 14:19:26		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	92.2	92.25
$ 11 DCB Decachlorobiphenyl	100.0	106.6	106.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	90.4	90.41
$ 11 DCB Decachlorobiphenyl	100.0	106.4	106.40

Report Date: 22-Mar-2024 14:47:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

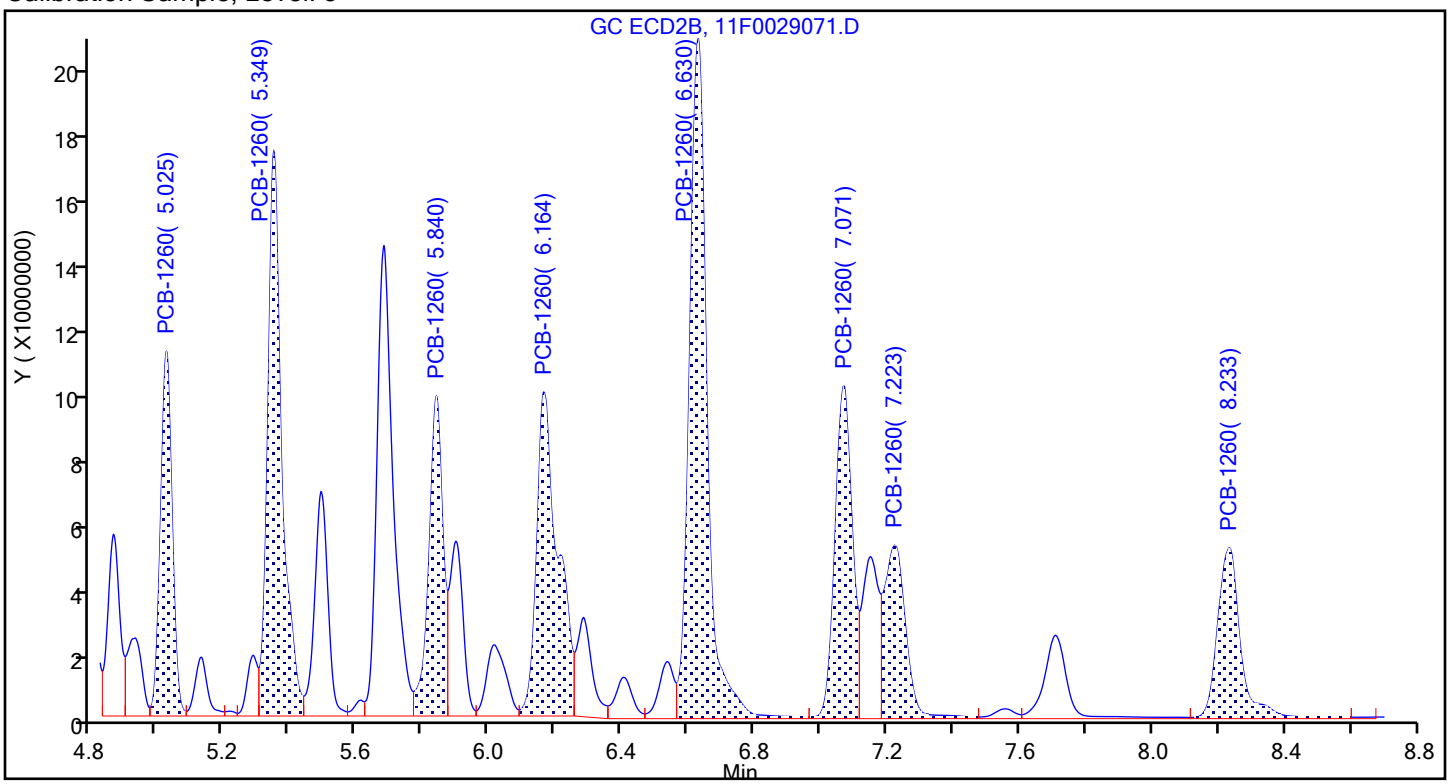
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D

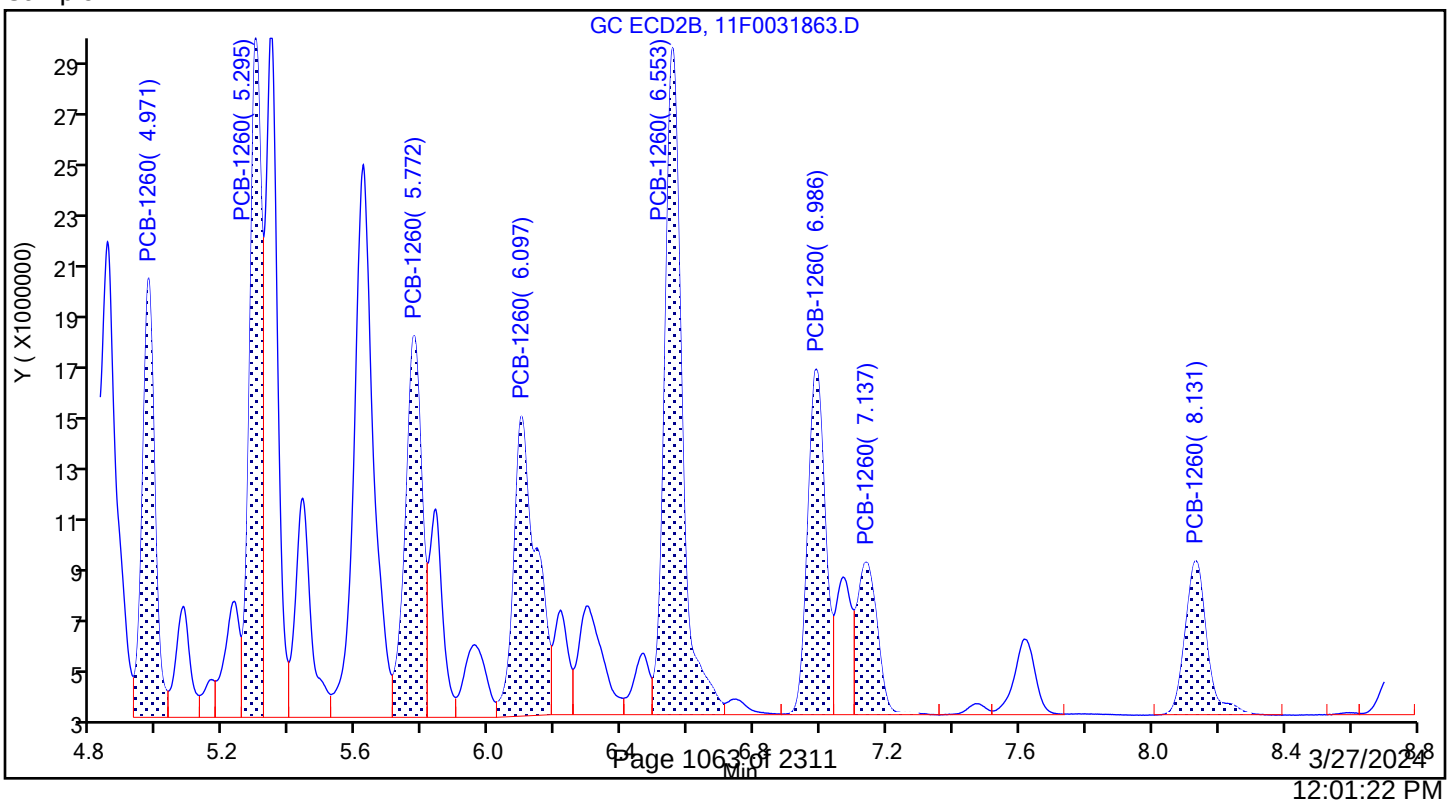
Injection Date:	22-Mar-2024 13:41:28	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



Manual Integration/User Assign Peak Report

Eurofins Edison

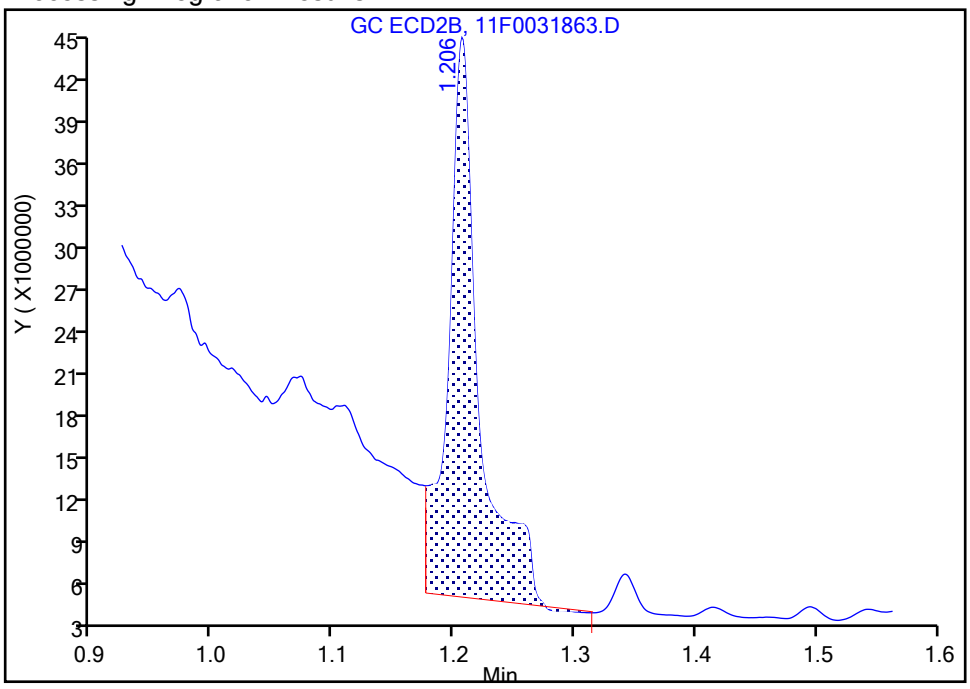
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031863.D				
Injection Date:	22-Mar-2024 13:41:28	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-3-A	Lab Sample ID:	460-300484-3		
Client ID:	MW-17R				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

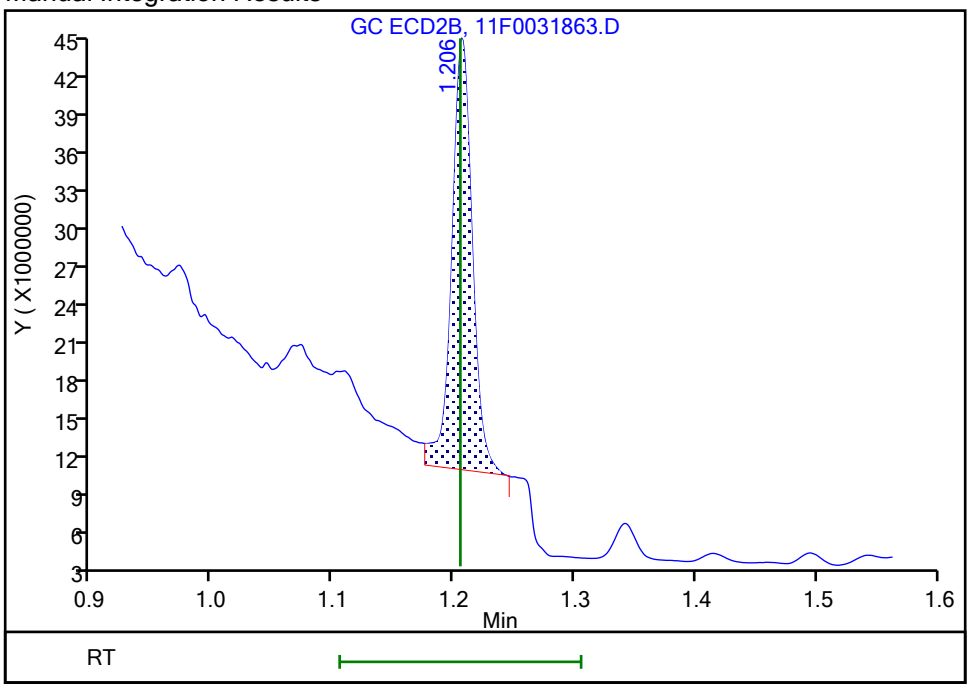
Processing Integration Results

RT: 1.21
Area: 69615772
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 38919476
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 14:19:21 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Matrix: Water Lab File ID: 11F0031864.D

Analysis Method: 8082A Date Collected: 03/18/2024 12:00

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 13:58

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		10-150
877-09-8	Tetrachloro-m-xylene	88		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D
Lims ID: 460-300484-D-4-A
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 13:58:11 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-030
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:19:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.413	1.413	0.000	44426055	20.0	
2	1.206	1.205	0.001	41257302	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	153016907	87.7	
2	1.799	1.798	0.001	192756747	85.4	
					RPD = 2.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						
1	6.029	6.033	-0.004	5485226	143.6	
1	6.263	6.265	-0.002	14532353	162.6	
1	6.590	6.595	-0.005	15429960	148.9	
1	7.355	7.358	-0.003	10819070	118.7	
1	7.904	7.908	-0.004	9798065	95.3	
1	8.426	8.431	-0.005	28083219	111.8	
1	9.221	9.223	-0.002	18222040	100.2	
1	10.158	10.170	-0.012	7497973	88.5	
		Average of Peak Amounts =			121.2	
2	4.972	4.969	0.003	15305224	151.9	
2	5.298	5.292	0.006	20227270	108.1	
2	5.764	5.777	-0.013	24894852	225.3	
2	6.099	6.094	0.005	17419838	108.8	
2	6.553	6.552	0.001	27468754	101.1	
2	6.987	6.984	0.003	14207904	110.5	
2	7.138	7.139	-0.001	7057048	83.9	
2	8.133	8.130	0.003	8593619	97.6	
		Average of Peak Amounts =			123.4	
					RPD = 1.81	
$ 11 DCB Decachlorobiphenyl						
1	10.779	10.799	-0.020	224698916	100.0	
2	9.130	9.128	0.002	242741589	98.7	
					RPD = 1.33	
S 12 Polychlorinated biphenyls, Total						
1					121.2	

QC Flag Legend

Processing Flags

Reagents:

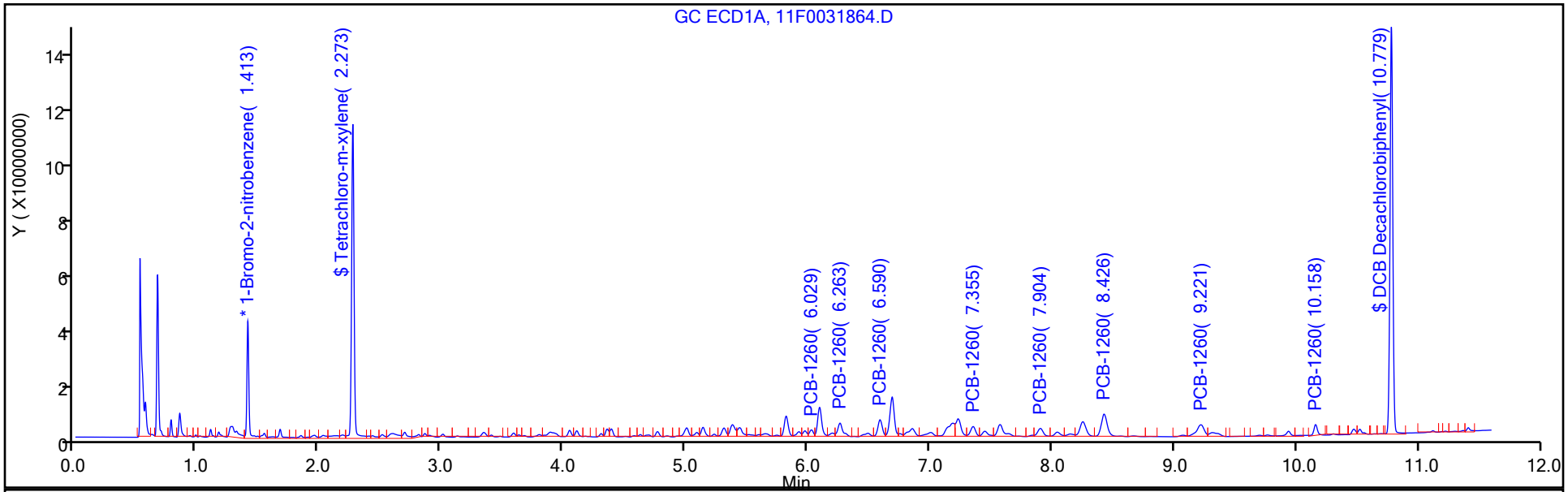
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

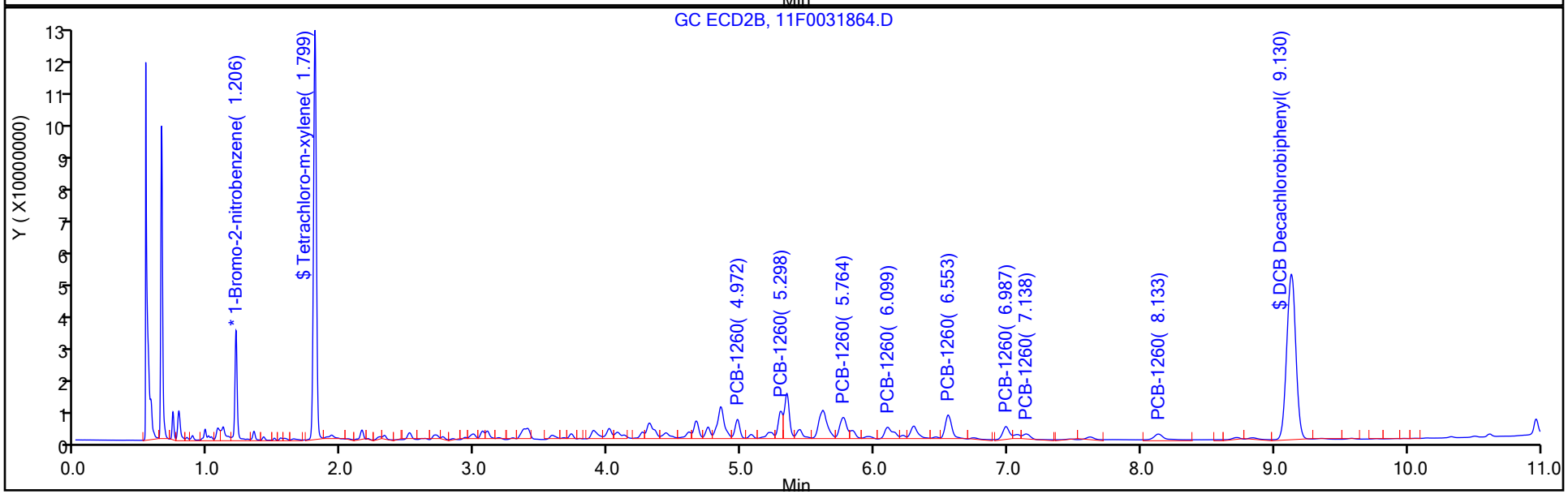
Report Date: 22-Mar-2024 14:47:39 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D

Injection Date:	22-Mar-2024 13:58:11	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-4-A	Lab Sample ID:	460-300484-4	Worklist Smp#:	30
Client ID:	DUP_03182024				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D				
Lims ID:	460-300484-D-4-A				
Client ID:	DUP_03182024				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:58:11	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-030				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:47:14	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 14:19:04		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.7	87.73
$ 11 DCB Decachlorobiphenyl	100.0	100.0	100.05

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	85.4	85.42
$ 11 DCB Decachlorobiphenyl	100.0	98.7	98.73

Report Date: 22-Mar-2024 14:47:39 Chrom Revision: 2.3 23-Feb-2024 16:51:14

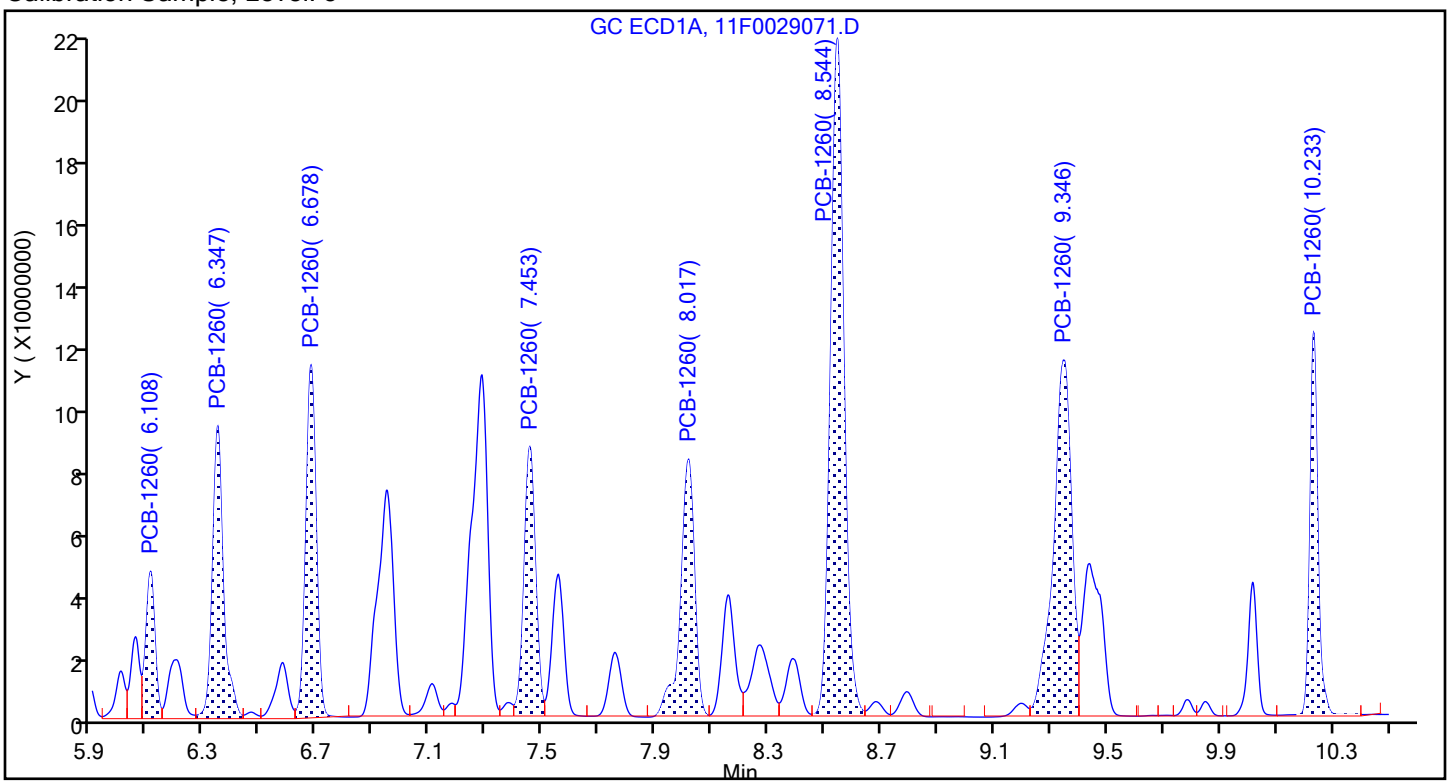
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D

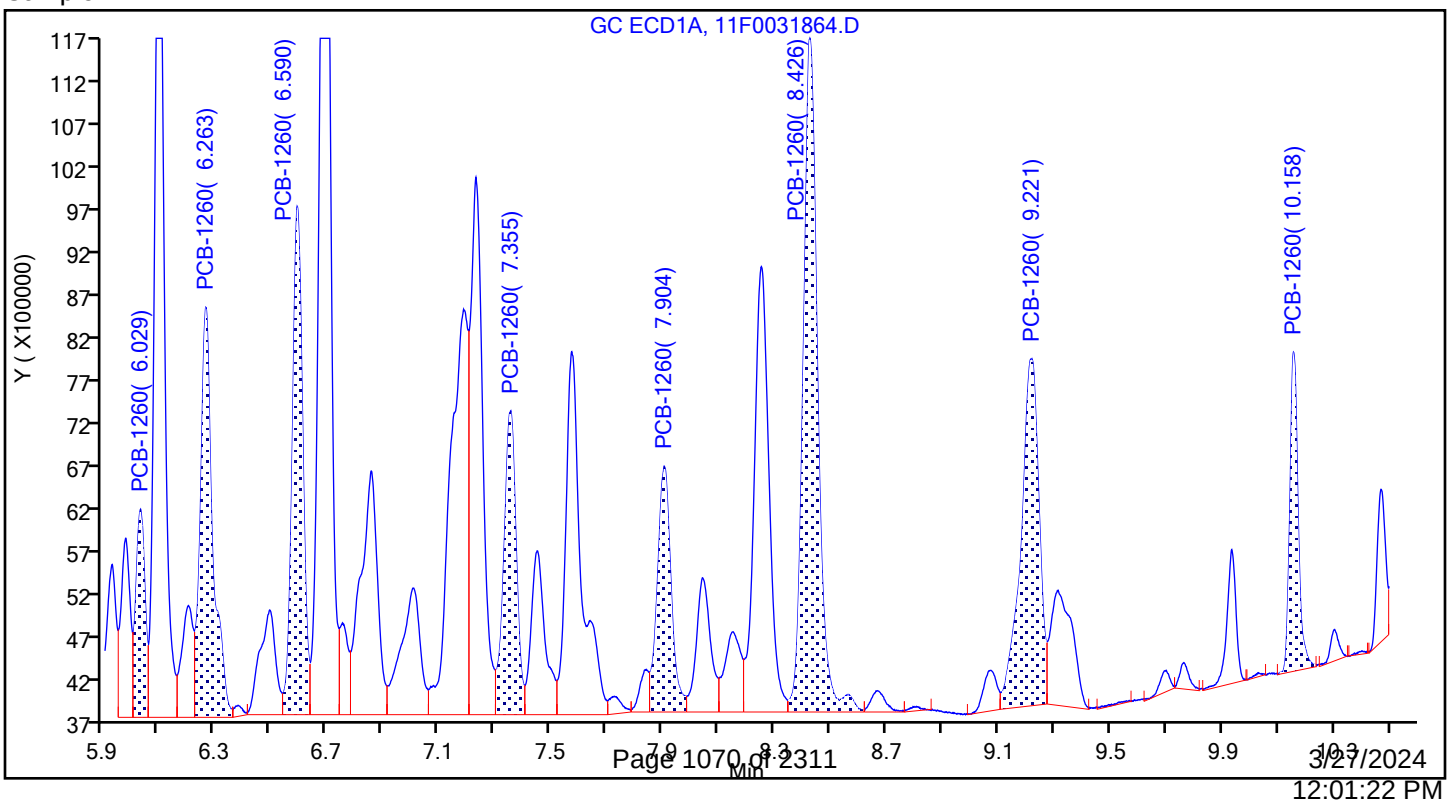
Injection Date:	22-Mar-2024 13:58:11	Instrument ID:	CPESTGC11
Lims ID:	460-300484-D-4-A	Lab Sample ID:	460-300484-4
Client ID:	DUP_03182024		
Operator ID:		ALS Bottle#:	30 Worklist Smp#: 30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD
Column:		Detector	GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: DUP_03182024 | Lab Sample ID: 460-300484-4

Matrix: Water | Lab File ID: 11F0031864.D

Analysis Method: 8082A | Date Collected: 03/18/2024 12:00

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:58

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.49		0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.49		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		10-150
877-09-8	Tetrachloro-m-xylene	85		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D
Lims ID: 460-300484-D-4-A
Client ID: DUP_03182024
Sample Type: Client
Inject. Date: 22-Mar-2024 13:58:11 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-030
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:47:14 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:19:04

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.413	1.413	0.000	44426055	20.0	
2	1.206	1.205	0.001	41257302	20.0	
				RPD =	0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	153016907	87.7	
2	1.799	1.798	0.001	192756747	85.4	
				RPD =	2.67	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
8 PCB-1260						
1	6.029	6.033	-0.004	5485226	143.6	
1	6.263	6.265	-0.002	14532353	162.6	
1	6.590	6.595	-0.005	15429960	148.9	
1	7.355	7.358	-0.003	10819070	118.7	
1	7.904	7.908	-0.004	9798065	95.3	
1	8.426	8.431	-0.005	28083219	111.8	
1	9.221	9.223	-0.002	18222040	100.2	
1	10.158	10.170	-0.012	7497973	88.5	
		Average of Peak Amounts =			121.2	
2	4.972	4.969	0.003	15305224	151.9	
2	5.298	5.292	0.006	20227270	108.1	
2	5.764	5.777	-0.013	24894852	225.3	
2	6.099	6.094	0.005	17419838	108.8	
2	6.553	6.552	0.001	27468754	101.1	
2	6.987	6.984	0.003	14207904	110.5	
2	7.138	7.139	-0.001	7057048	83.9	
2	8.133	8.130	0.003	8593619	97.6	
		Average of Peak Amounts =			123.4	
					RPD = 1.81	
$ 11 DCB Decachlorobiphenyl						
1	10.779	10.799	-0.020	224698916	100.0	
2	9.130	9.128	0.002	242741589	98.7	
					RPD = 1.33	
S 12 Polychlorinated biphenyls, Total						
1					121.2	

QC Flag Legend

Processing Flags

Reagents:

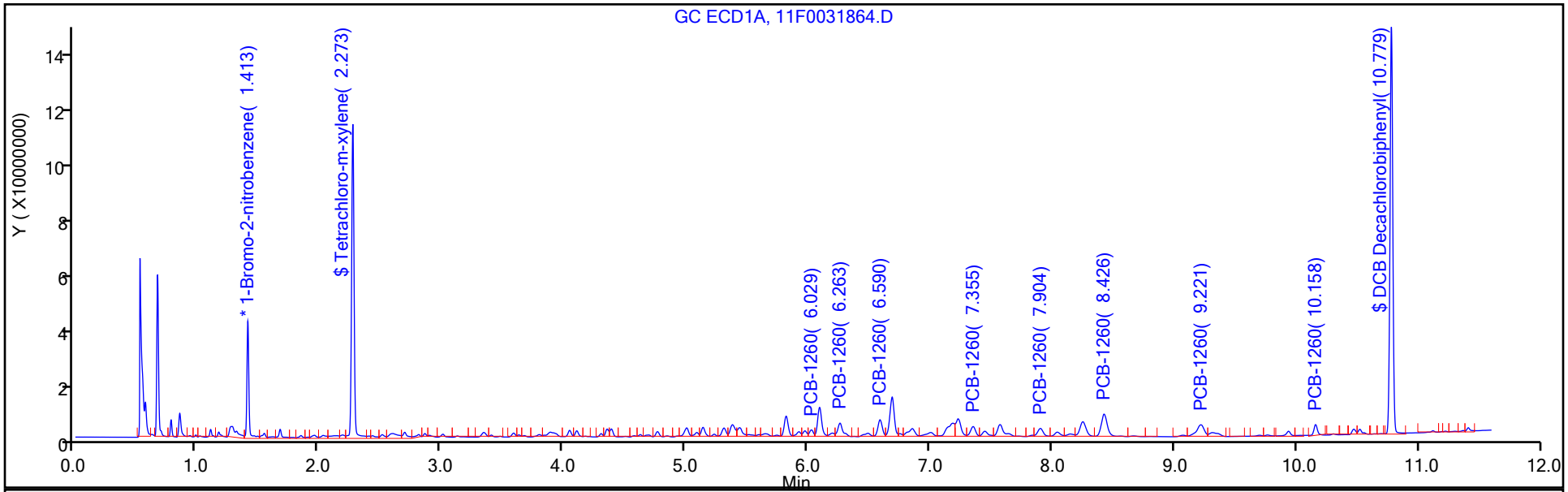
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

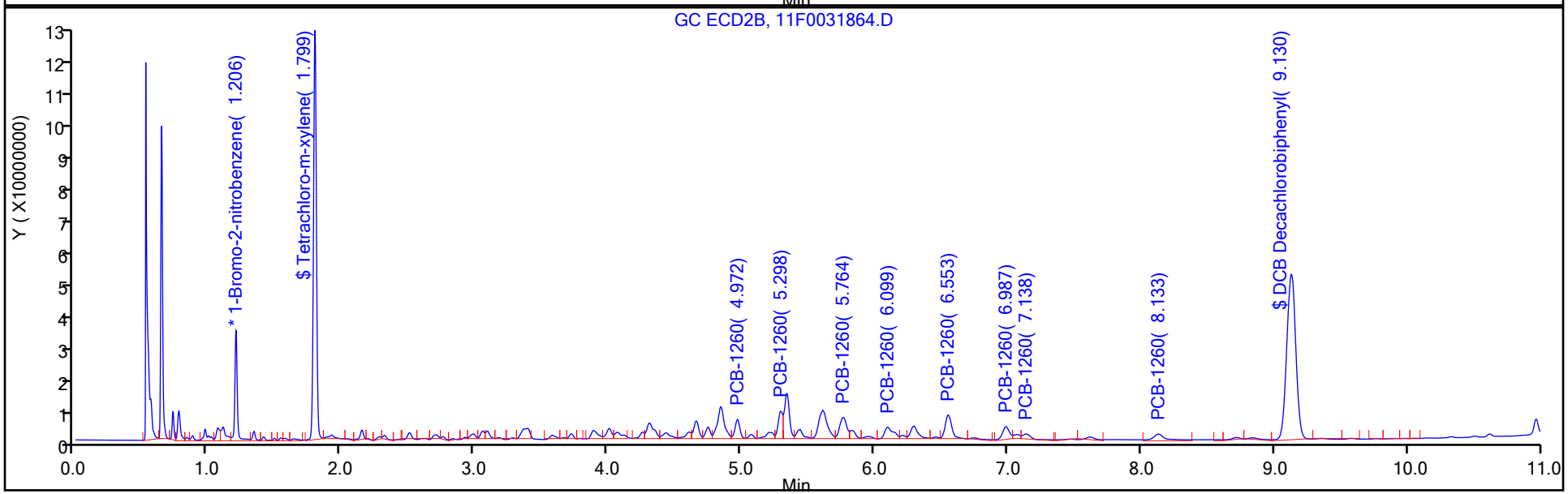
Report Date: 22-Mar-2024 14:47:39 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D

Injection Date:	22-Mar-2024 13:58:11	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-4-A	Lab Sample ID:	460-300484-4	Worklist Smp#:	30
Client ID:	DUP_03182024				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D				
Lims ID:	460-300484-D-4-A				
Client ID:	DUP_03182024				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 13:58:11	ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-030				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:47:14	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 14:19:04		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.7	87.73
$ 11 DCB Decachlorobiphenyl	100.0	100.0	100.05

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	85.4	85.42
$ 11 DCB Decachlorobiphenyl	100.0	98.7	98.73

Report Date: 22-Mar-2024 14:47:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

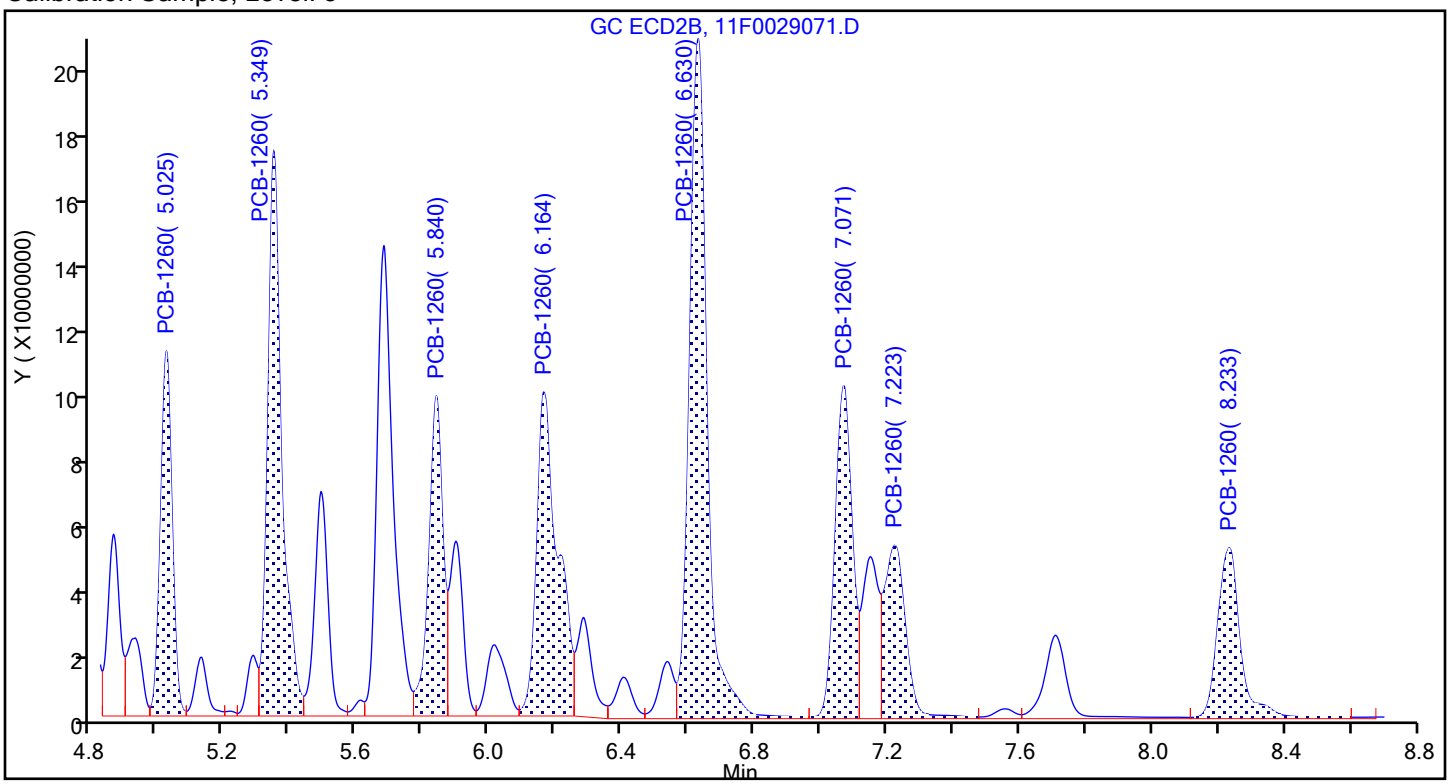
Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031864.D

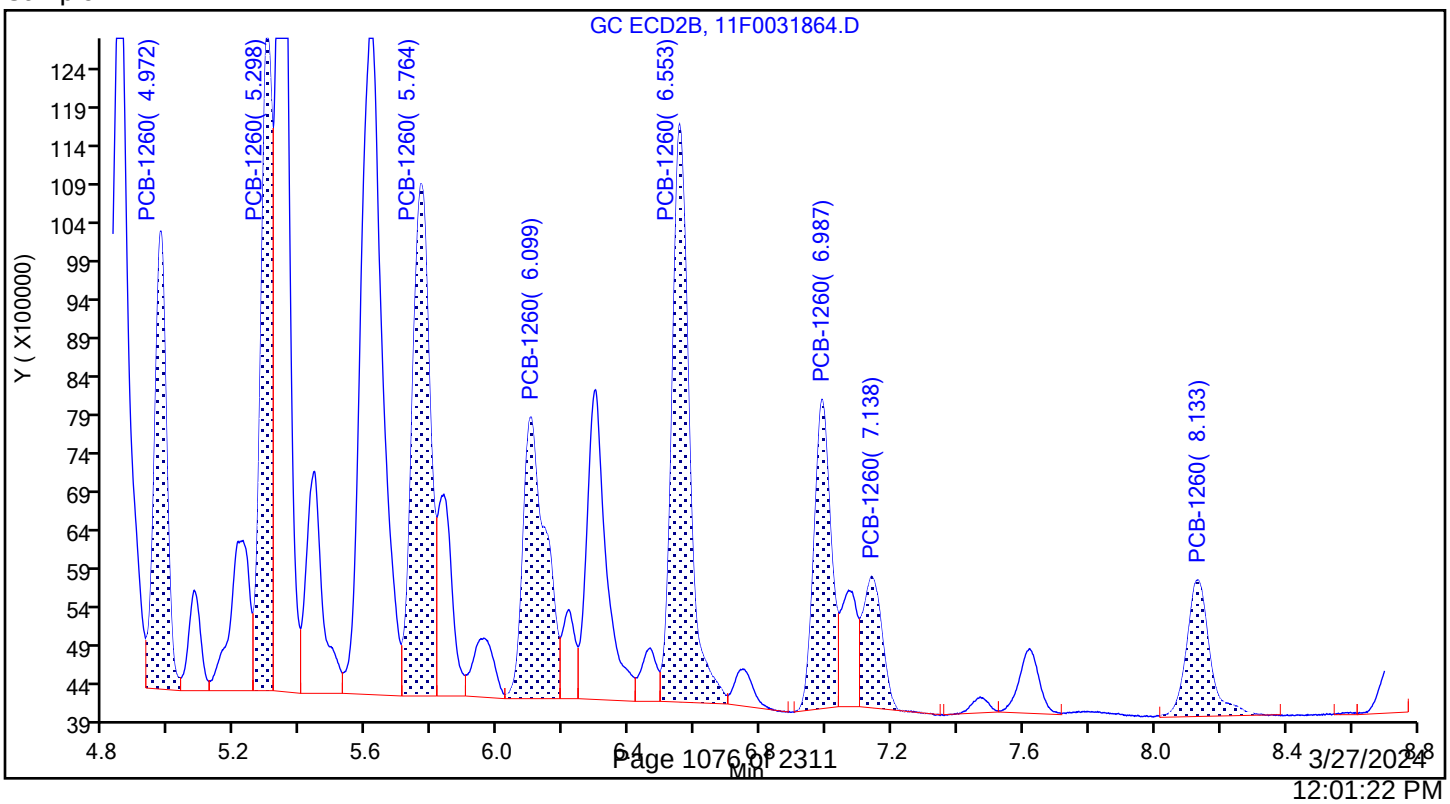
Injection Date:	22-Mar-2024 13:58:11	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-D-4-A	Lab Sample ID:	460-300484-4		
Client ID:	DUP_03182024				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 Calibration End Date: 12/21/2023 11:49 Calibration ID: 95502

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0177	0.0126	0.0132	0.0131	0.0138	Ave		0.0141				14.8		20.0			
PCB-1016 Peak 2	0.0342	0.0243	0.0241	0.0252	0.0252	Ave		0.0266				16.1		20.0			
PCB-1016 Peak 3	0.0754	0.0530	0.0563	0.0560	0.0604	Ave		0.0602				14.7		20.0			
PCB-1016 Peak 4	0.0335	0.0231	0.0244	0.0240	0.0258	Ave		0.0262				16.1		20.0			
PCB-1016 Peak 5	0.0266	0.0189	0.0199	0.0198	0.0213	Ave		0.0213				14.5		20.0			
PCB-1016 Peak 6	0.0232	0.0171	0.0180	0.0178	0.0192	Ave		0.0191				12.9		20.0			
PCB-1016 Peak 7	0.0276	0.0211	0.0224	0.0221	0.0239	Ave		0.0234				10.9		20.0			
PCB-1016 Peak 8	0.0192	0.0143	0.0150	0.0147	0.0160	Ave		0.0158				12.4		20.0			
PCB-1260 Peak 1	0.0211	0.0155	0.0163	0.0160	0.0171	Ave		0.0172				13.2		20.0			
PCB-1260 Peak 2	0.0492	0.0360	0.0382	0.0374	0.0405	Ave		0.0402				13.0		20.0			
PCB-1260 Peak 3	0.0574	0.0415	0.0443	0.0434	0.0466	Ave		0.0466				13.5		20.0			
PCB-1260 Peak 4	0.0517	0.0360	0.0391	0.0381	0.0402	Ave		0.0410				15.0		20.0			
PCB-1260 Peak 5	0.0567	0.0410	0.0442	0.0431	0.0465	Ave		0.0463				13.3		20.0			
PCB-1260 Peak 6	0.1327	0.0987	0.1096	0.1084	0.1162	Ave		0.1131				11.1		20.0			
PCB-1260 Peak 7	0.0956	0.0728	0.0798	0.0781	0.0833	Ave		0.0819				10.4		20.0			
PCB-1260 Peak 8	0.0461	0.0338	0.0364	0.0359	0.0385	Ave		0.0381				12.4		20.0			
Tetrachloro-m-xylene	0.7094	0.6962	0.7606	0.8489	0.9108	Ave		0.7852				11.8		20.0			
DCB Decachlorobiphenyl	0.9412	0.8950	0.9645	1.0769	1.1778	Ave		1.0111				11.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 | Calibration End Date: 12/21/2023 11:49 | Calibration ID: 95502

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2188151	16255093	30989753	48489847	81383757	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	4223694	31454328	56549644	92838479	148529605	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	9297948	68510953	132034521	206808218	355157973	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	4136964	29919270	57209078	88653253	151849646	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	3282683	24414583	46733399	72982607	125187388	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2867020	22124788	42162642	65744755	112720699	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	3410303	27314829	52500353	81717890	140349801	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	2365617	18495863	35192510	54277213	93849072	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	2605337	20018197	38331023	58932415	100646473	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	6068344	46610282	89510822	137986133	238068015	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	7083725	53611368	103945376	160244020	274300092	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	6376198	46565417	91808566	140806902	236550765	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	6992854	52959292	103608632	159252426	273597625	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	16375265	127650869	257193492	399954742	683564638	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	11796431	94080806	187146008	288247525	489848240	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	5687339	43723017	85469226	132597851	226327114	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	21883422	90034277	178455651	313322798	428675139	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	29033415	115731873	226288336	397495474	554329071	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Dec-2023 10:43:02 ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:11:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49355200	20.0	20.0	M
2	1.227	1.227	0.000	46187507	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	21883422	12.5	11.3	M
2	1.830	1.829	0.001	30347867	12.5	12.0	
						RPD = 6.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	2188151	50.0	62.9	M
1	3.402	3.403	-0.001	4223694	50.0	64.3	M
1	3.947	3.947	0.000	9297948	50.0	62.6	M
1	4.112	4.111	0.001	4136964	50.0	64.0	M
1	4.237	4.238	-0.001	3282683	50.0	62.5	M
1	4.688	4.689	-0.001	2867020	50.0	61.0	M
1	4.837	4.838	-0.001	3410303	50.0	59.0	M
1	5.204	5.204	0.000	2365617	50.0	60.6	M
		Average of Peak Amounts =				62.1	
2	2.188	2.189	-0.001	3200491	50.0	67.1	
2	2.549	2.549	0.000	5524244	50.0	63.6	M
2	2.750	2.750	0.000	3539850	50.0	62.1	M
2	3.029	3.030	-0.001	10829358	50.0	59.8	M
2	3.176	3.176	0.000	4636036	50.0	60.9	M
2	3.242	3.242	0.000	2978735	50.0	60.1	M
2	3.633	3.633	0.000	4974778	50.0	61.7	M
2	4.062	4.062	0.000	2552839	50.0	61.6	M
		Average of Peak Amounts =				62.1	
						RPD = 0.02	
8 PCB-1260							M
1	6.107	6.108	-0.001	2605337	50.0	61.4	
1	6.346	6.346	0.000	6068344	50.0	61.1	M
1	6.677	6.679	-0.002	7083725	50.0	61.5	
1	7.454	7.455	-0.001	6376198	50.0	63.0	
1	8.017	8.015	0.002	6992854	50.0	61.2	
1	8.544	8.544	0.000	16375265	50.0	58.7	
1	9.348	9.350	-0.002	11796431	50.0	58.4	M
1	10.236	10.236	0.000	5687339	50.0	60.4	
		Average of Peak Amounts =				60.7	
2	5.026	5.026	0.000	6978450	50.0	61.9	
2	5.350	5.351	-0.001	12601178	50.0	60.2	
2	5.842	5.841	0.001	8244513	50.0	66.7	
2	6.167	6.166	0.001	10887512	50.0	60.7	
2	6.631	6.628	0.003	18113436	50.0	59.5	
2	7.069	7.072	-0.003	8499354	50.0	59.1	
2	7.223	7.219	0.004	5960601	50.0	63.3	
2	8.232	8.233	-0.001	5988575	50.0	60.7	
		Average of Peak Amounts =				61.5	
						RPD = 1.31	
$ 11 DCB Decachlorobiphenyl							M
1	10.857	10.856	0.001	29033415	12.5	11.6	M
2	9.240	9.242	-0.002	33668369	12.5	12.2	
						RPD = 4.99	
S 12 Polychlorinated biphenyls, Total							
1						122.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

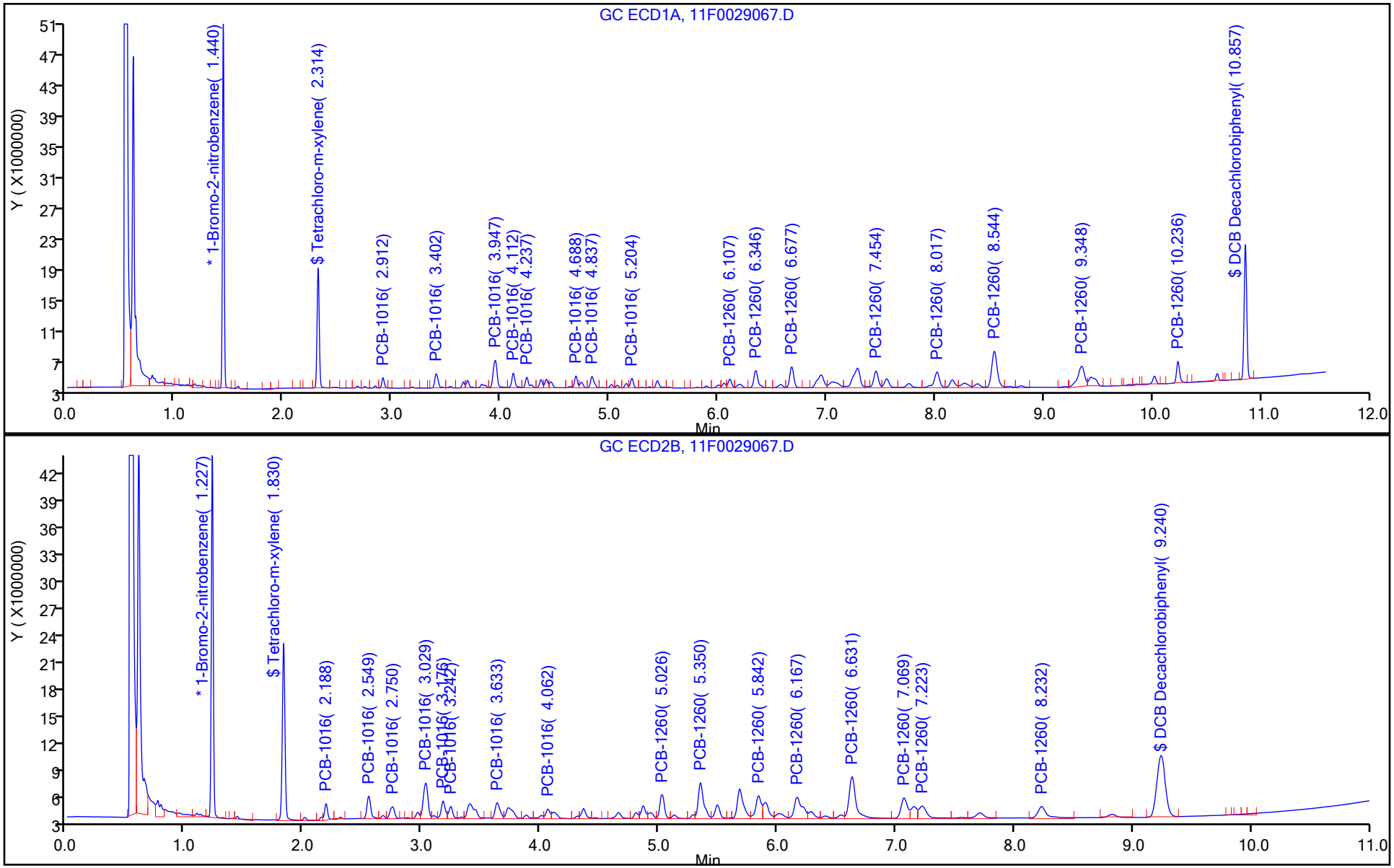
SG1660L1_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D

Injection Date:	21-Dec-2023 10:43:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Eurofins Edison

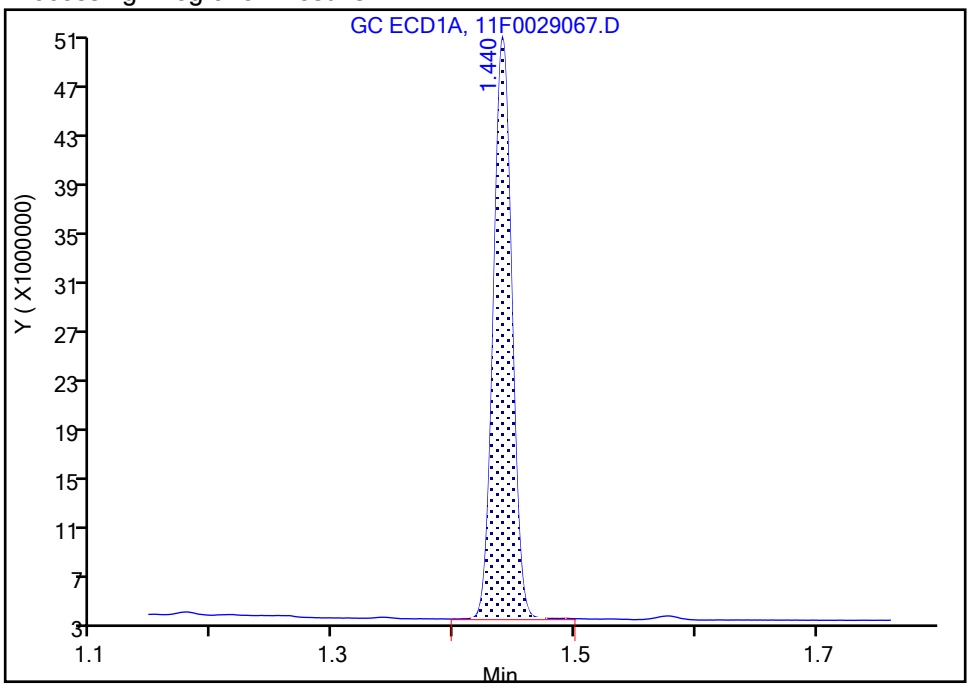
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

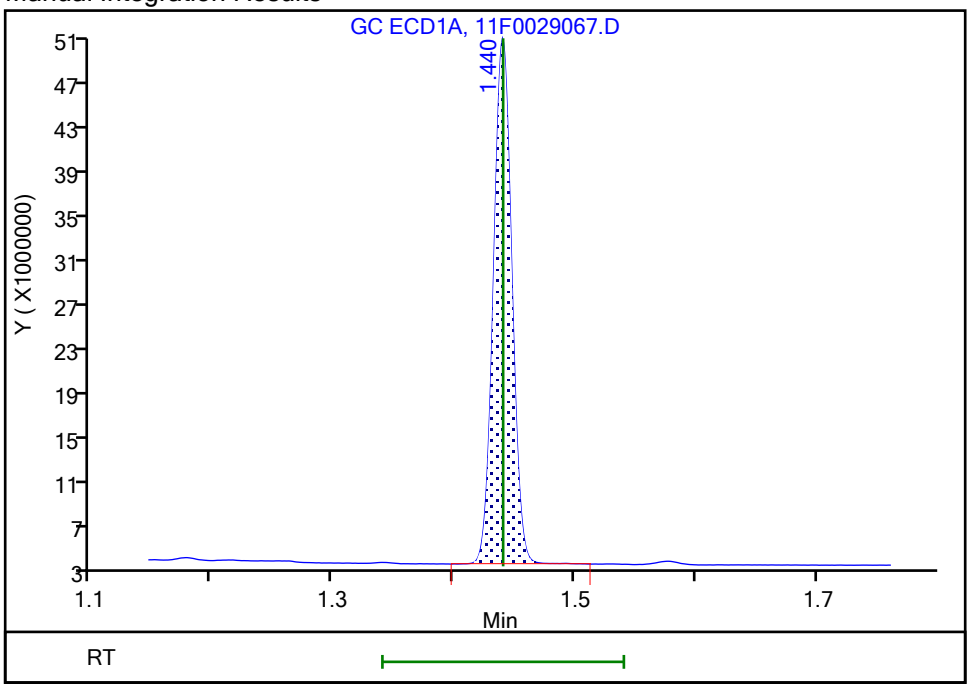
Processing Integration Results

RT: 1.44
Area: 49100398
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 49355200
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:22 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

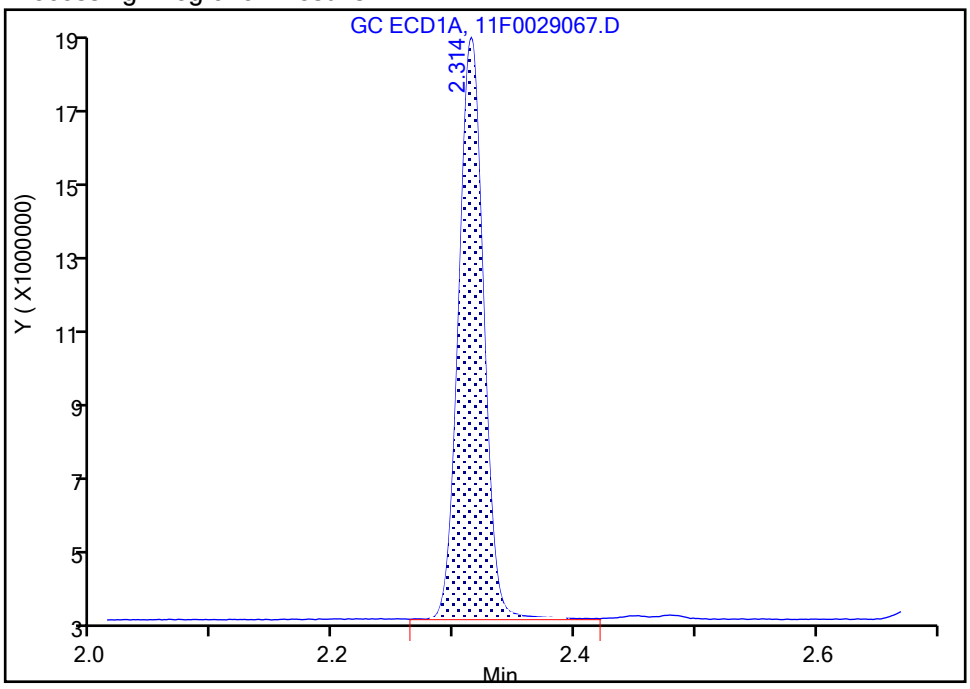
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

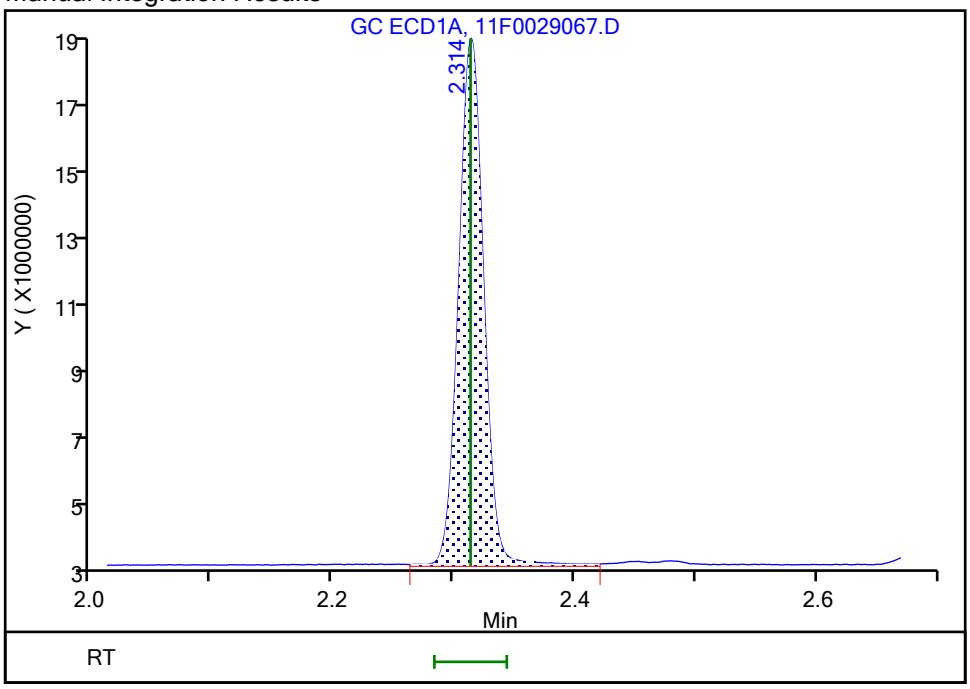
Processing Integration Results

RT: 2.31
Area: 22038166
Amount: 12.401744
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 21883422
Amount: 11.293639
Amount Units: ug/l



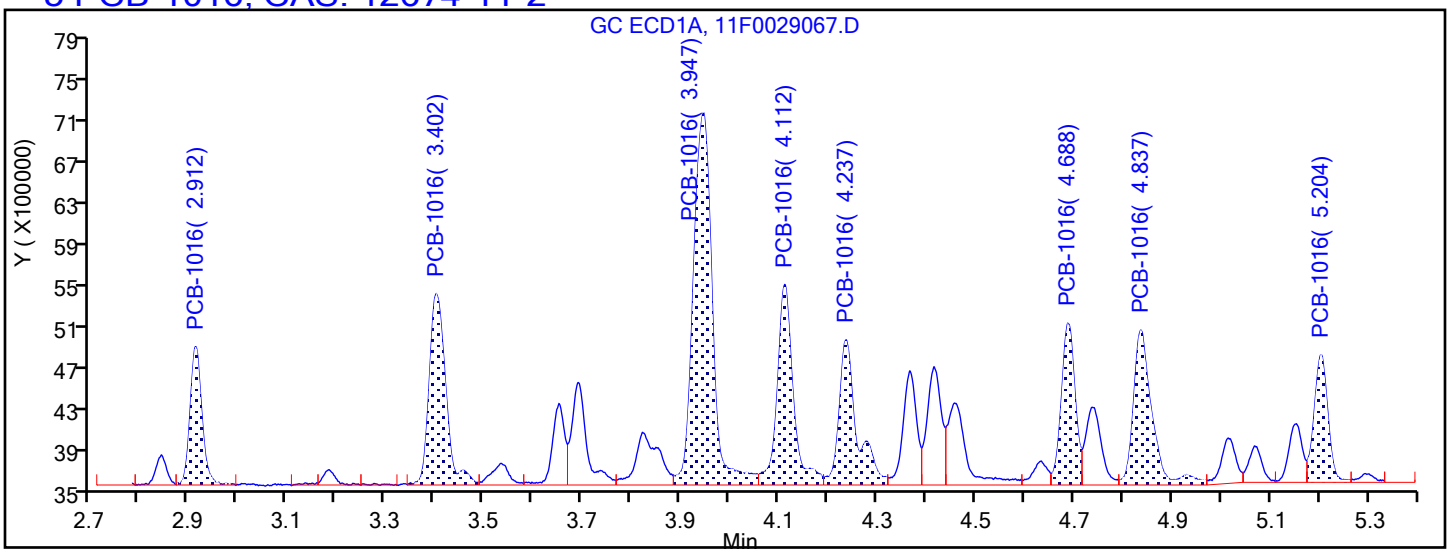
Reviewer: OR9X, 21-Dec-2023 11:36:38 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

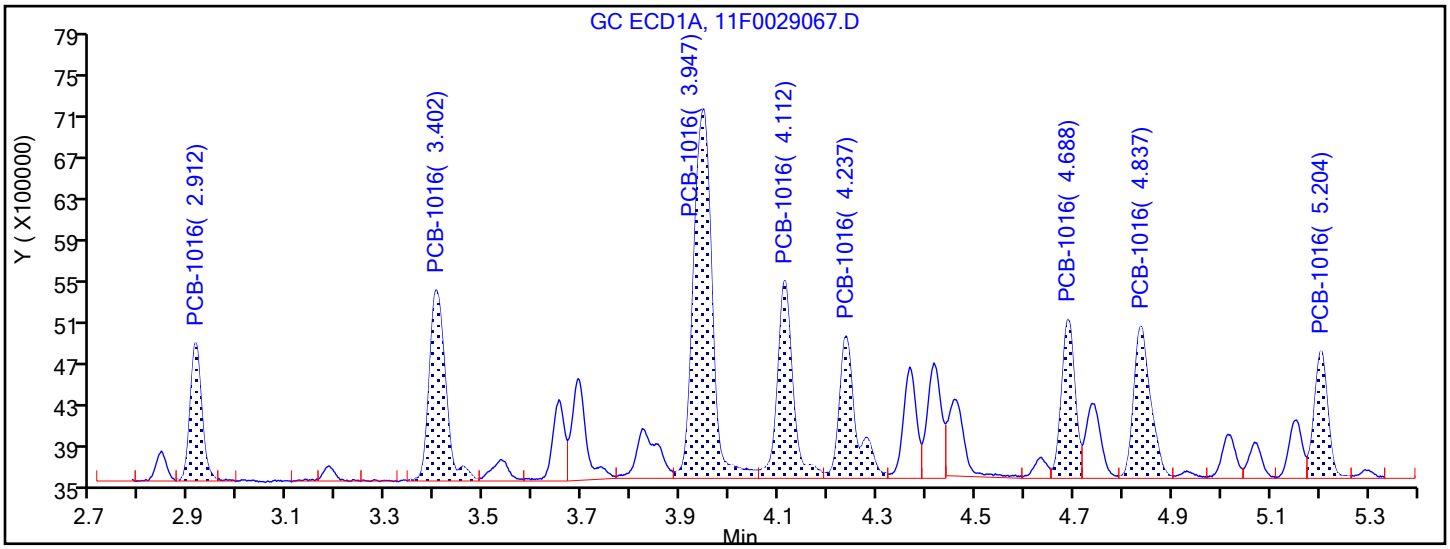
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 2276734
3.402	Response = 4330548
3.947	Response = 9540476
4.112	Response = 4343397
4.237	Response = 3501576
4.688	Response = 2977348
4.837	Response = 3789594
5.204	Response = 2434381



Manual Integration Results

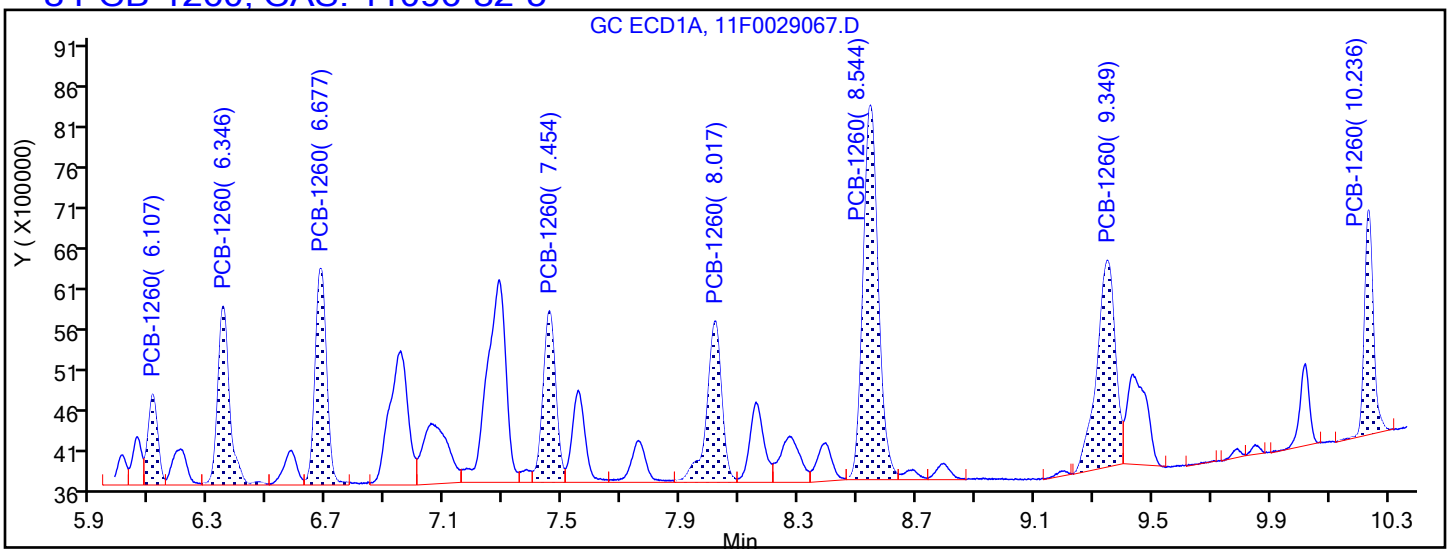
2.912	Response = 2188151	M
3.402	Response = 4223694	M
3.947	Response = 9297948	M
4.112	Response = 4136964	M
4.237	Response = 3282683	M
4.688	Response = 2867020	M

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

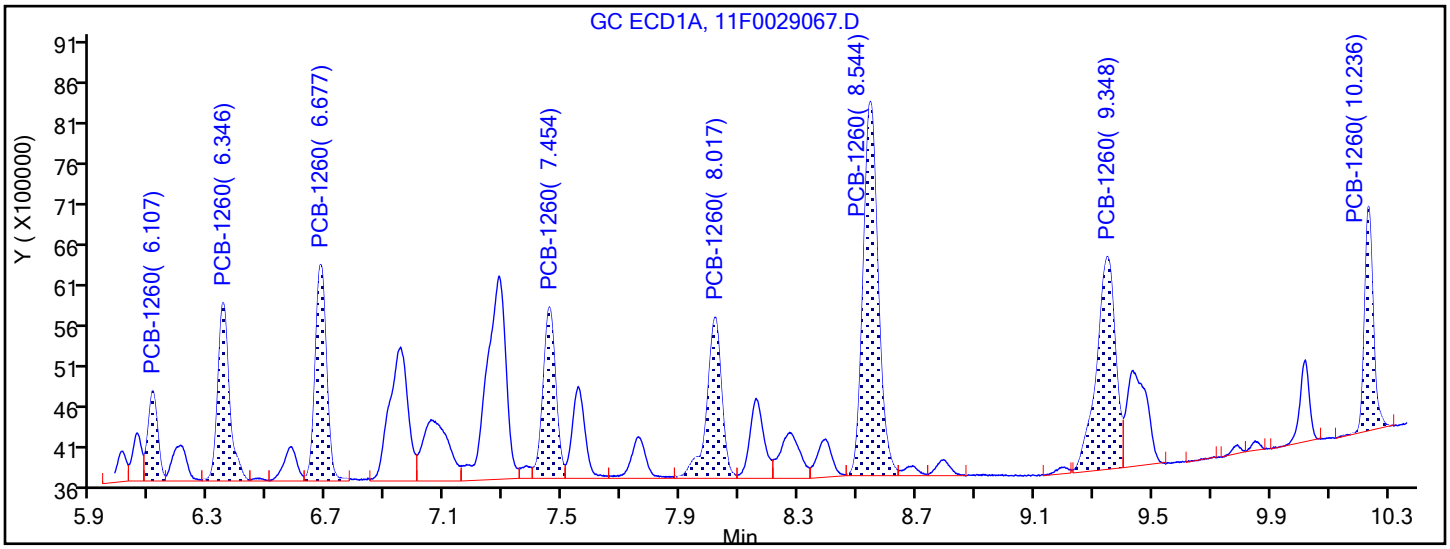
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 2605337
6.346	Response = 6174043
6.677	Response = 7083725
7.454	Response = 6376198
8.017	Response = 6992854
8.544	Response = 16375265
9.349	Response = 11042339
10.236	Response = 5687339



Manual Integration Results

6.107	Response = 2605337	
6.346	Response = 6068344	M
6.677	Response = 7083725	
7.454	Response = 6376198	
8.017	Response = 6992854	
8.544	Response = 16375265	

Eurofins Edison

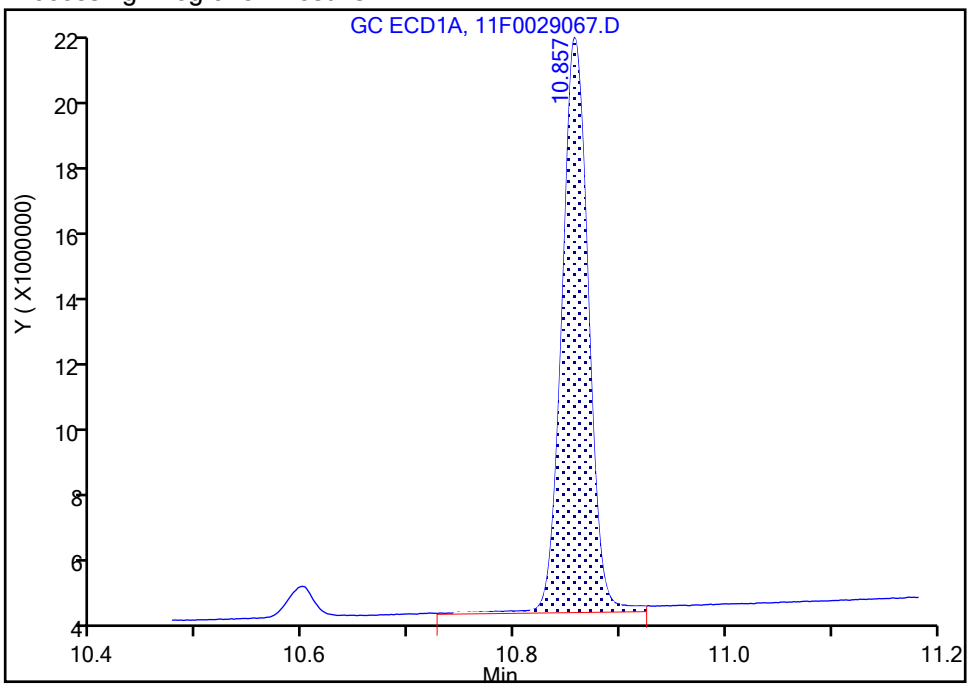
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

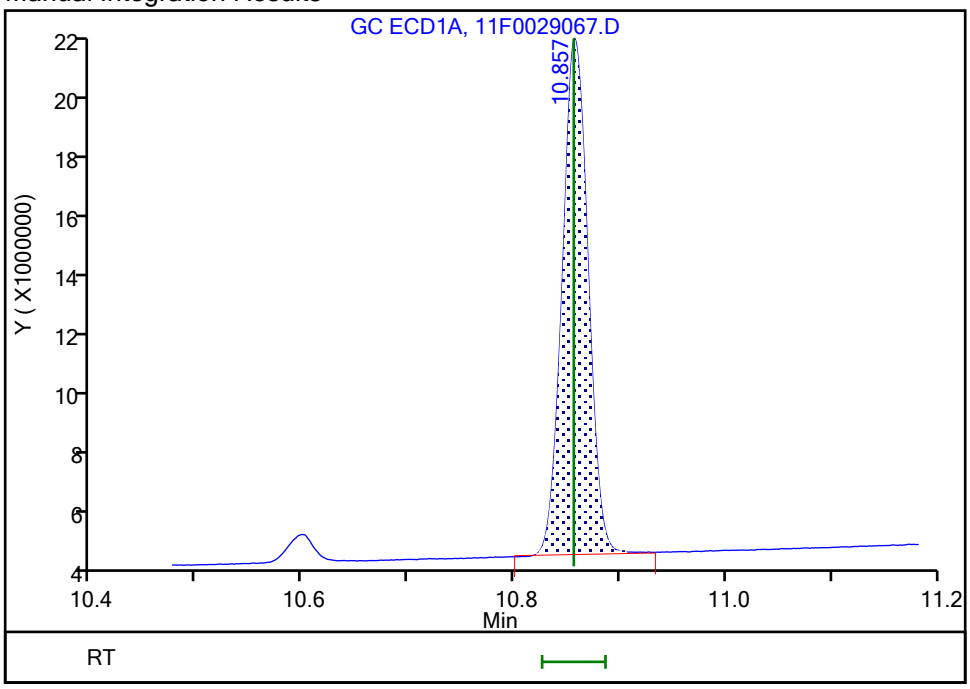
Processing Integration Results

RT: 10.86
Area: 29756720
Amount: 12.838916
Amount Units: ug/l



Manual Integration Results

RT: 10.86
Area: 29033415
Amount: 11.636168
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:08 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Dec-2023 10:59:42 ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:21 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	51725903	20.0	20.0	M
2	1.227	1.227	0.000	48079830	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	90034277	50.0	44.3	
2	1.830	1.829	0.001	121712420	50.0	46.3	M
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	16255093	500.0	445.9	
1	3.402	3.403	-0.001	31454328	500.0	457.0	M
1	3.946	3.947	-0.001	68510953	500.0	440.0	M
1	4.112	4.111	0.001	29919270	500.0	442.0	M
1	4.237	4.238	-0.001	24414583	500.0	443.4	M
1	4.690	4.689	0.001	22124788	500.0	448.9	
1	4.836	4.838	-0.002	27314829	500.0	450.8	
1	5.205	5.204	0.001	18495863	500.0	451.9	
		Average of Peak Amounts =				447.5	
2	2.189	2.189	0.000	22958293	500.0	462.3	M
2	2.549	2.549	0.000	41797934	500.0	462.1	M
2	2.750	2.750	0.000	27565911	500.0	464.8	M
2	3.031	3.030	0.001	85984303	500.0	456.2	M
2	3.176	3.176	0.000	36390520	500.0	458.9	M
2	3.243	3.242	0.001	23822245	500.0	462.1	M
2	3.634	3.633	0.001	38399439	500.0	457.6	M
2	4.061	4.062	-0.001	19899410	500.0	461.5	M
		Average of Peak Amounts =				460.7	
						RPD = 2.91	
8 PCB-1260							M
1	6.107	6.108	-0.001	20018197	500.0	450.0	M
1	6.346	6.346	0.000	46610282	500.0	447.8	M
1	6.676	6.679	-0.003	53611368	500.0	444.4	M
1	7.454	7.455	-0.001	46565417	500.0	438.8	M
1	8.014	8.015	-0.001	52959292	500.0	442.4	M
1	8.544	8.544	0.000	127650869	500.0	436.3	M
1	9.347	9.350	-0.003	94080806	500.0	444.2	M
1	10.237	10.236	0.001	43723017	500.0	443.2	
		Average of Peak Amounts =				443.4	
2	5.025	5.026	-0.001	53342244	500.0	454.2	M
2	5.350	5.351	-0.001	99307697	500.0	455.4	M
2	5.840	5.841	-0.001	57274670	500.0	444.9	M
2	6.166	6.166	0.000	84681801	500.0	453.7	M
2	6.629	6.628	0.001	144115380	500.0	455.0	M
2	7.070	7.072	-0.002	67204169	500.0	448.7	M
2	7.225	7.219	0.006	44578763	500.0	455.0	M
2	8.227	8.233	-0.006	46674372	500.0	454.7	
		Average of Peak Amounts =				452.7	
						RPD = 2.08	
$ 11 DCB Decachlorobiphenyl							M
1	10.856	10.856	0.000	115731873	50.0	44.3	M
2	9.240	9.242	-0.002	131326715	50.0	45.8	
						RPD = 3.50	
S 12 Polychlorinated biphenyls, Total							
1						890.9	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated

Reagents:

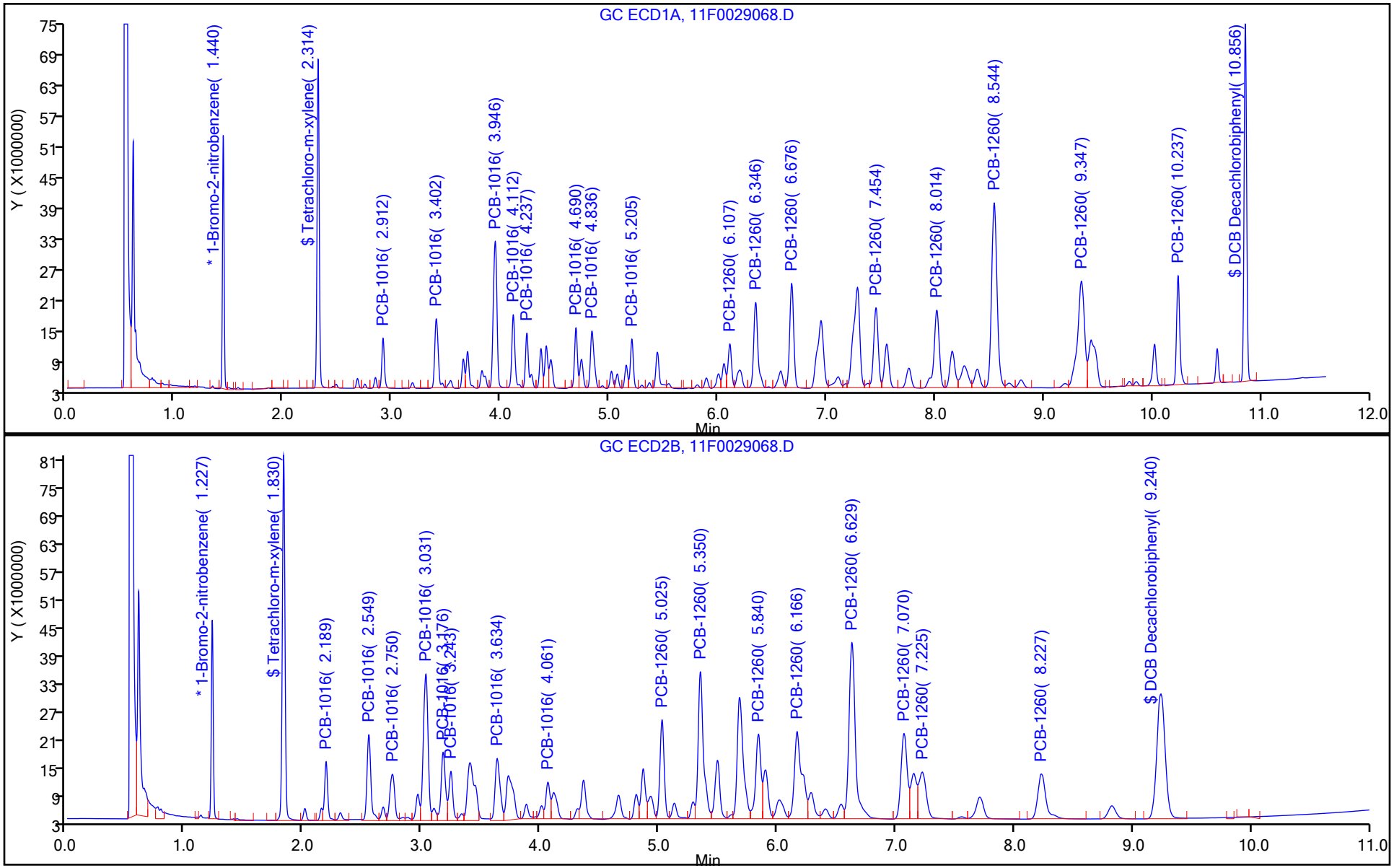
SG1660L2_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:21 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D

Injection Date:	21-Dec-2023 10:59:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

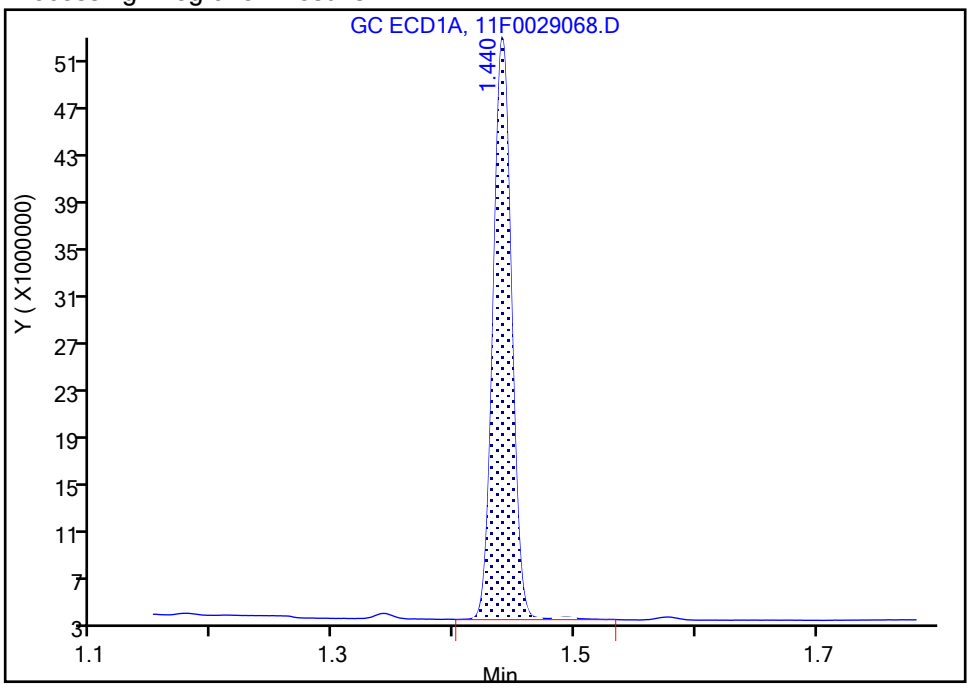
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

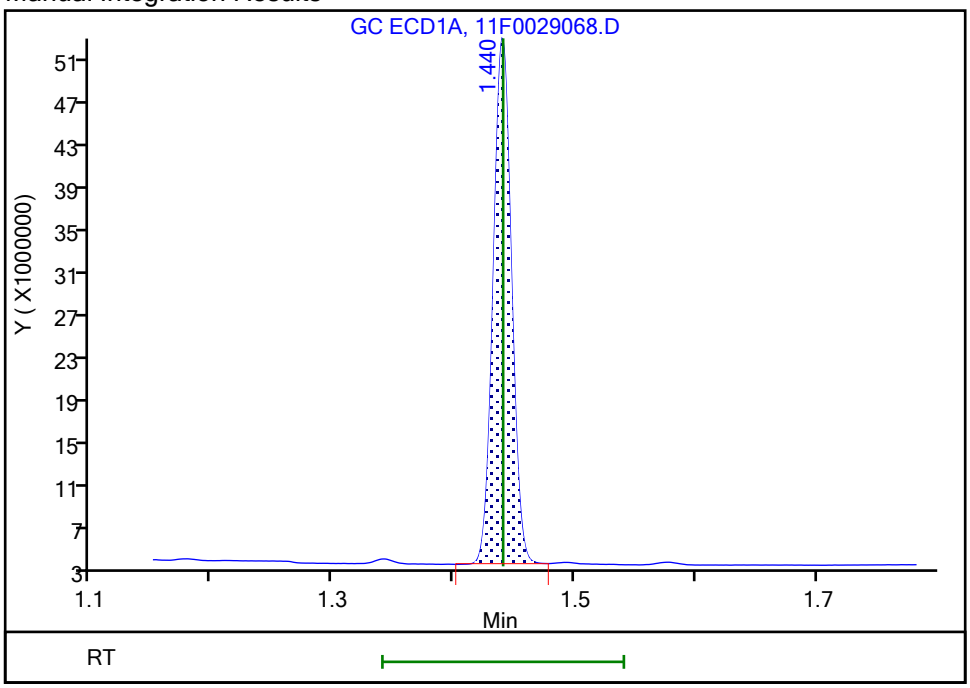
Processing Integration Results

RT: 1.44
Area: 51989084
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 51725903
Amount: 20.000000
Amount Units: ug/l



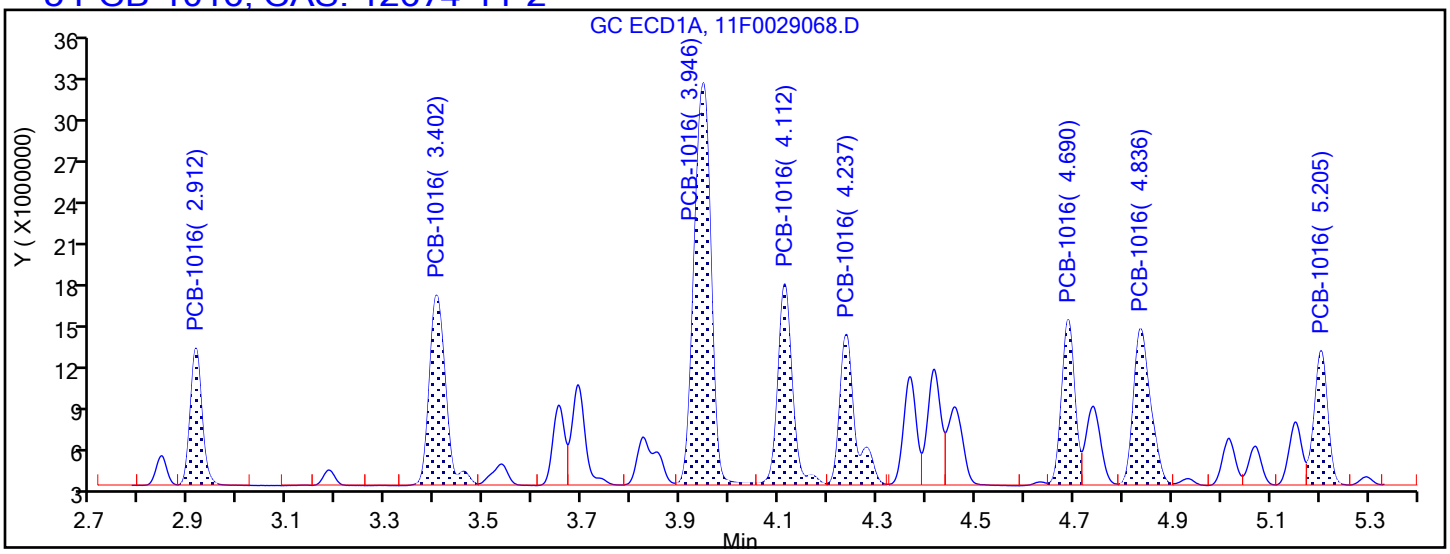
Reviewer: OR9X, 21-Dec-2023 11:37:57 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:21 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

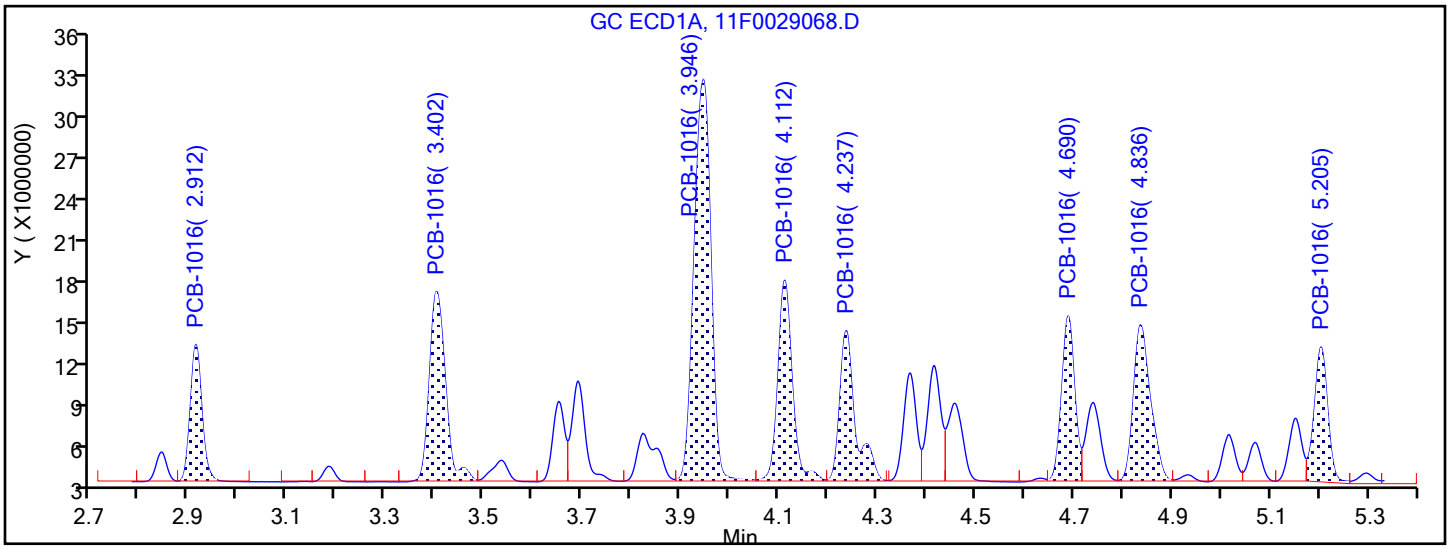
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 16255093
3.402	Response = 31138488
3.946	Response = 67733181
4.112	Response = 29301046
4.237	Response = 23989949
4.690	Response = 22124788
4.836	Response = 27314829
5.205	Response = 18495863



Manual Integration Results

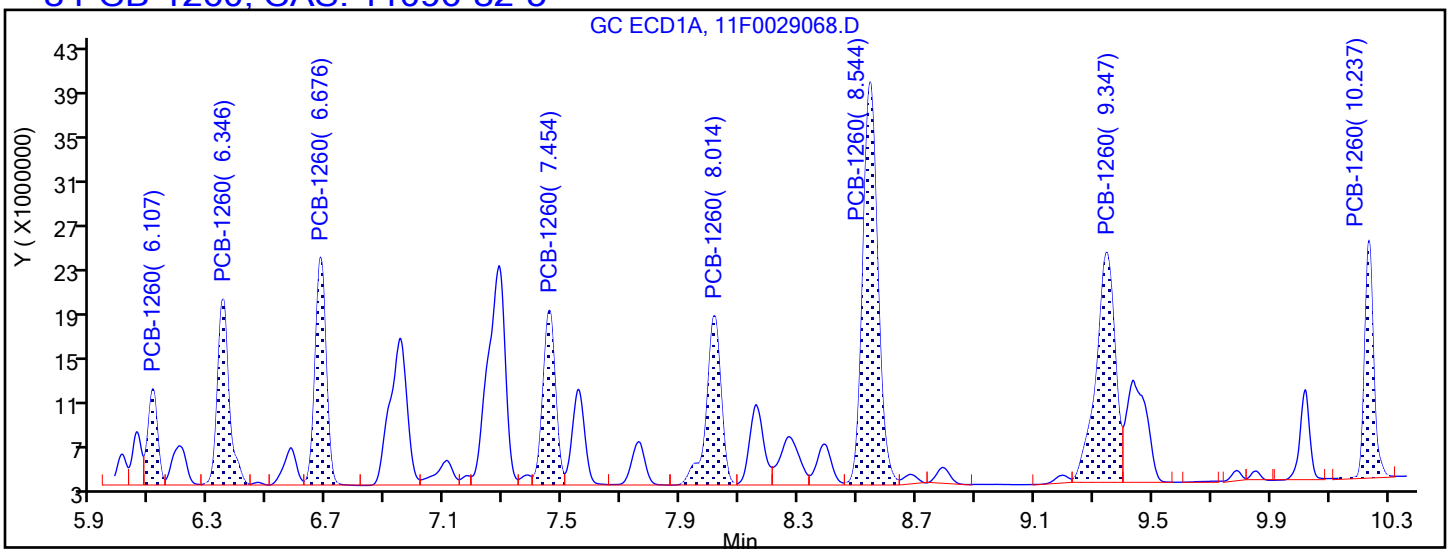
2.912	Response = 16255093	
3.402	Response = 31454328	M
3.946	Response = 68510953	M
4.112	Response = 29919270	M
4.237	Response = 24414583	M
4.690	Response = 22124788	

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

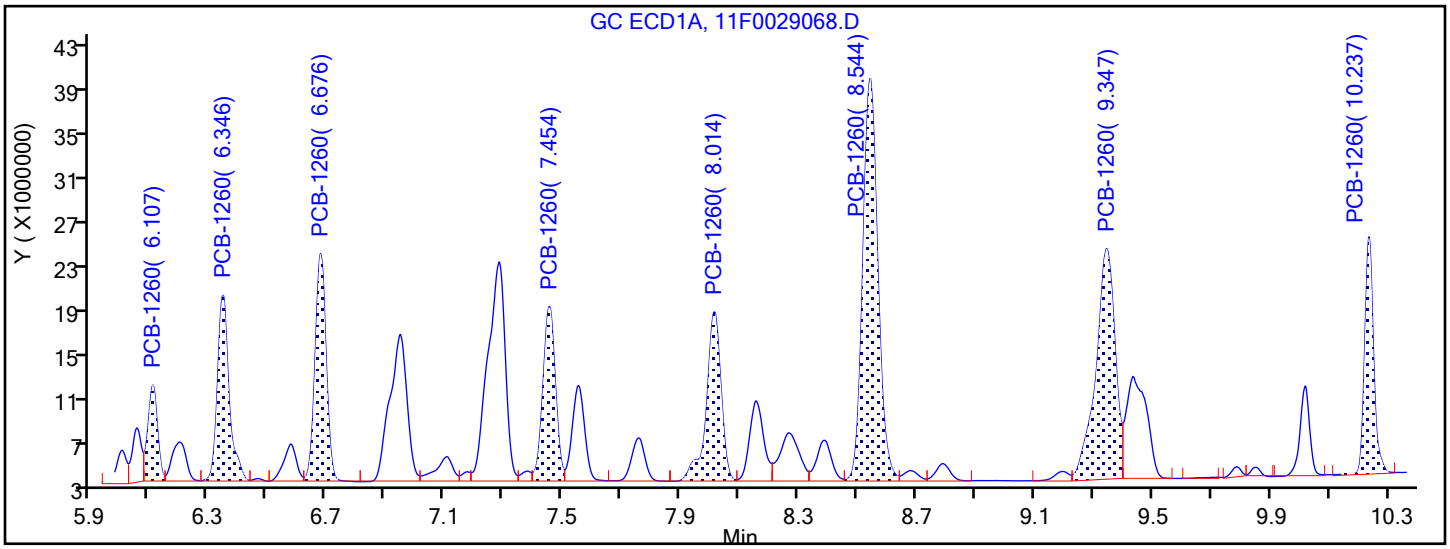
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 19987299
6.346	Response = 46577842
6.676	Response = 53576960
7.454	Response = 46493912
8.014	Response = 52377069
8.544	Response = 126525308
9.347	Response = 92845855
10.237	Response = 43723017



Manual Integration Results

6.107	Response = 20018197	M
6.346	Response = 46610282	M
6.676	Response = 53611368	M
7.454	Response = 46565417	M
8.014	Response = 52959292	M
8.544	Response = 127650869	M

Manual Integration/User Assign Peak Report

Eurofins Edison

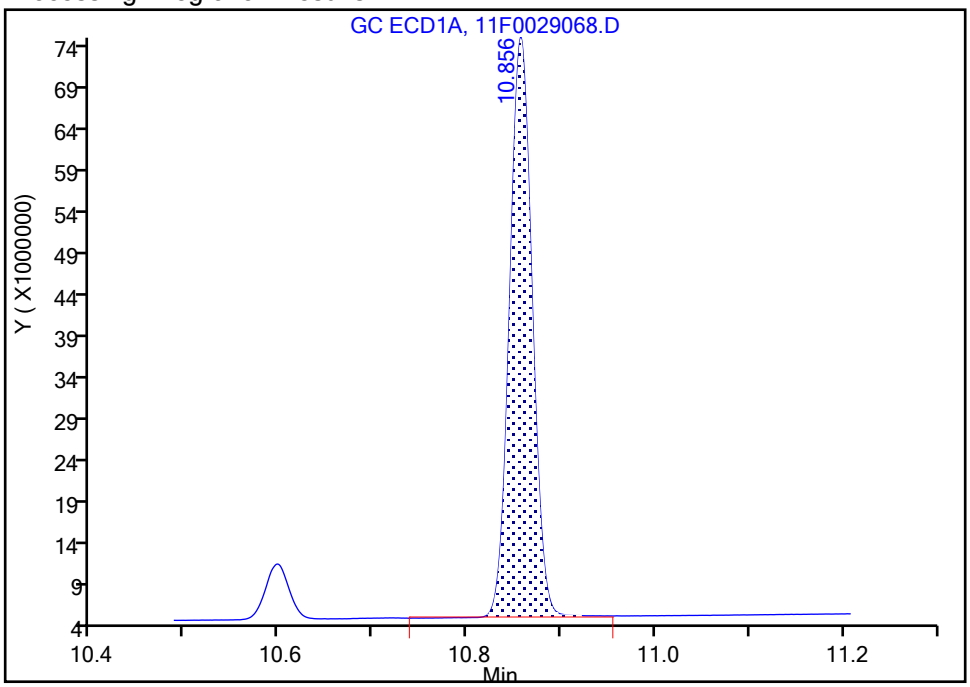
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

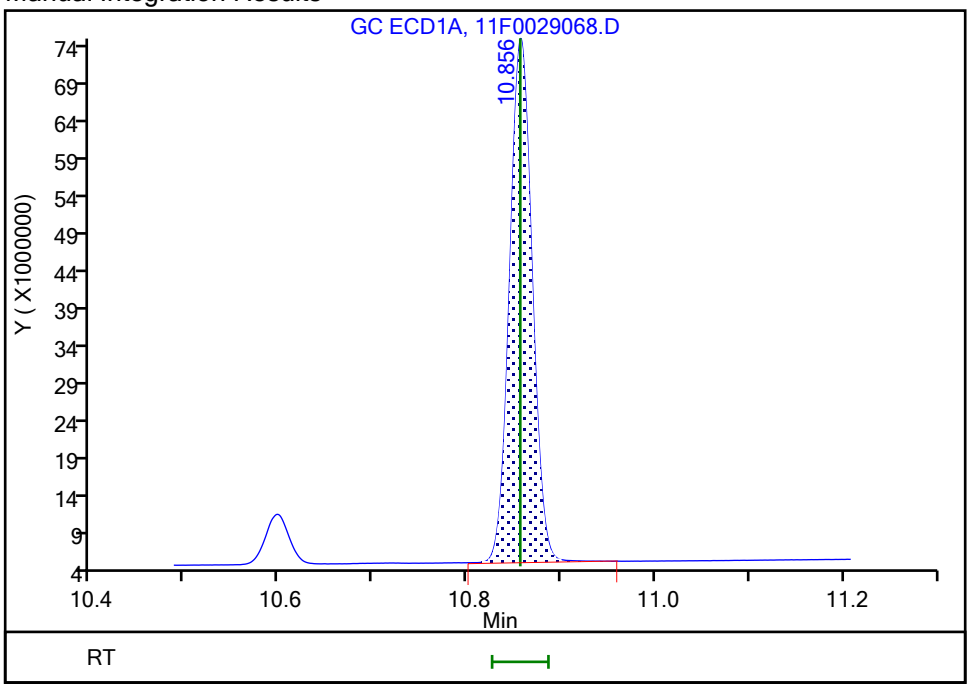
Processing Integration Results

RT: 10.86
Area: 116717736
Amount: 48.043902
Amount Units: ug/l



Manual Integration Results

RT: 10.86
Area: 115731873
Amount: 44.257784
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:52 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Lims ID: IC PCB
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 21-Dec-2023 11:16:24 ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:29 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	46922711	20.0	20.0	
2	1.227	1.227	0.000	44138313	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	178455651	100.0	96.9	
2	1.829	1.829	0.000	232452088	100.0	96.3	M
						RPD = 0.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	30989753	1000.0	937.0	
1	3.403	3.403	0.000	56549644	1000.0	905.7	M
1	3.947	3.947	0.000	132034521	1000.0	934.8	M
1	4.111	4.111	0.000	57209078	1000.0	931.6	M
1	4.238	4.238	0.000	46733399	1000.0	935.6	M
1	4.689	4.689	0.000	42162642	1000.0	943.0	M
1	4.838	4.838	0.000	52500353	1000.0	955.2	M
1	5.204	5.204	0.000	35192510	1000.0	947.8	M
		Average of Peak Amounts =				936.3	
2	2.189	2.189	0.000	41884896	1000.0	918.7	
2	2.549	2.549	0.000	77726856	1000.0	936.1	M
2	2.750	2.750	0.000	51159884	1000.0	939.7	M
2	3.030	3.030	0.000	164994010	1000.0	953.5	M
2	3.176	3.176	0.000	69128119	1000.0	949.5	M
2	3.242	3.242	0.000	44994626	1000.0	950.7	M
2	3.633	3.633	0.000	72723528	1000.0	944.1	M
2	4.062	4.062	0.000	37635743	1000.0	950.8	M
		Average of Peak Amounts =				942.9	
						RPD = 0.70	
8 PCB-1260							M
1	6.108	6.108	0.000	38331023	1000.0	949.8	M
1	6.346	6.346	0.000	89510822	1000.0	948.0	M
1	6.679	6.679	0.000	103945376	1000.0	949.9	M
1	7.455	7.455	0.000	91808566	1000.0	953.6	M
1	8.015	8.015	0.000	103608632	1000.0	954.1	M
1	8.544	8.544	0.000	257193492	1000.0	969.1	M
1	9.350	9.350	0.000	187146008	1000.0	974.0	M
1	10.236	10.236	0.000	85469226	1000.0	955.0	
		Average of Peak Amounts =				956.7	
2	5.026	5.026	0.000	101848674	1000.0	944.7	M
2	5.351	5.351	0.000	189924625	1000.0	948.8	M
2	5.841	5.841	0.000	108924962	1000.0	921.6	M
2	6.166	6.166	0.000	162749449	1000.0	949.9	M
2	6.628	6.628	0.000	276360904	1000.0	950.4	M
2	7.072	7.072	0.000	130895833	1000.0	952.0	
2	7.219	7.219	0.000	84824554	1000.0	943.1	
2	8.233	8.233	0.000	89824699	1000.0	953.2	
		Average of Peak Amounts =				945.5	
						RPD = 1.18	
$ 11 DCB Decachlorobiphenyl							
1	10.856	10.856	0.000	226288336	100.0	95.4	
2	9.242	9.242	0.000	251179173	100.0	95.5	
						RPD = 0.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

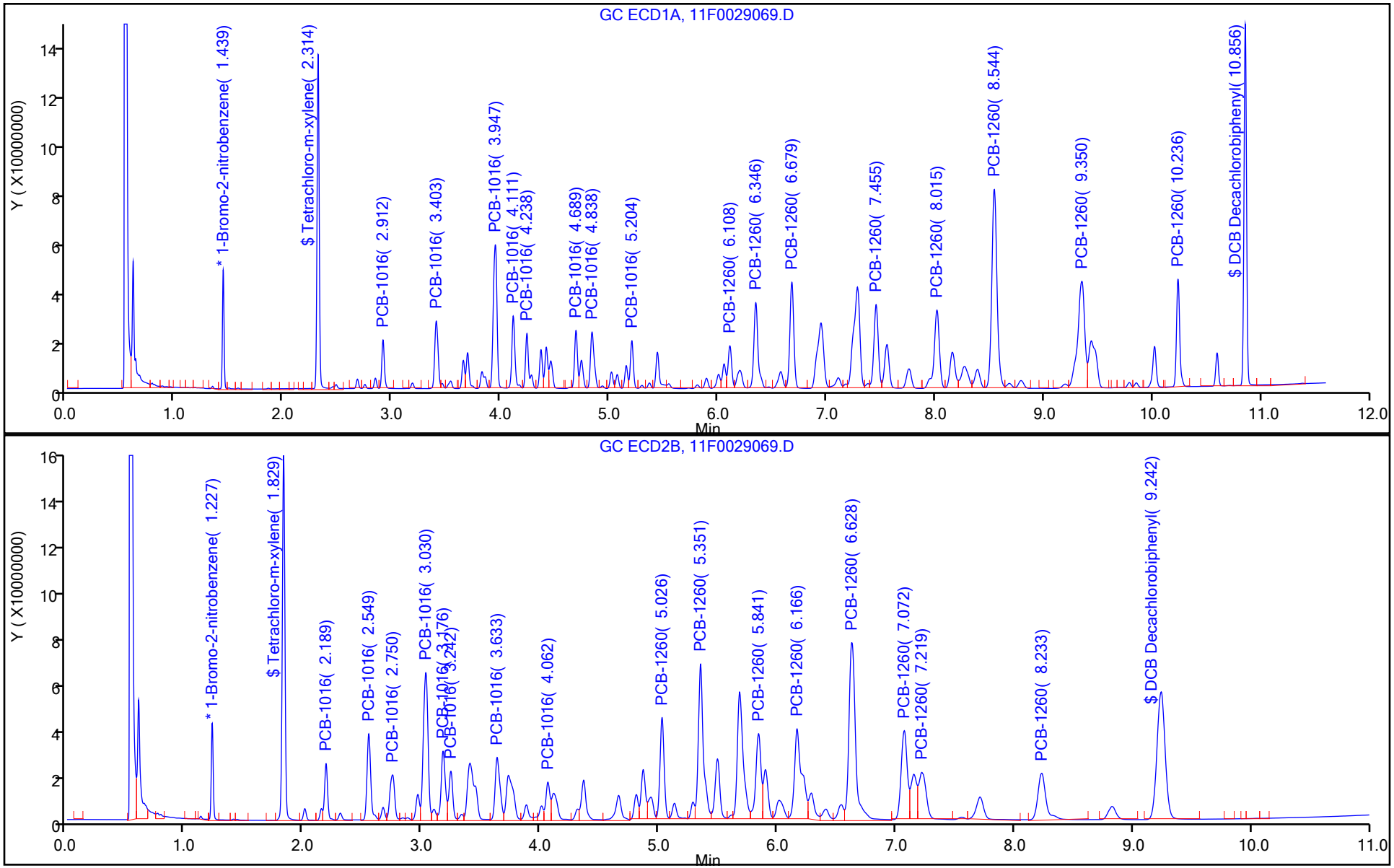
SG1260ResPCB_00002	Amount Added:	1.00	Units: mL	
SG1660L3_00043	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D

Injection Date:	21-Dec-2023 11:16:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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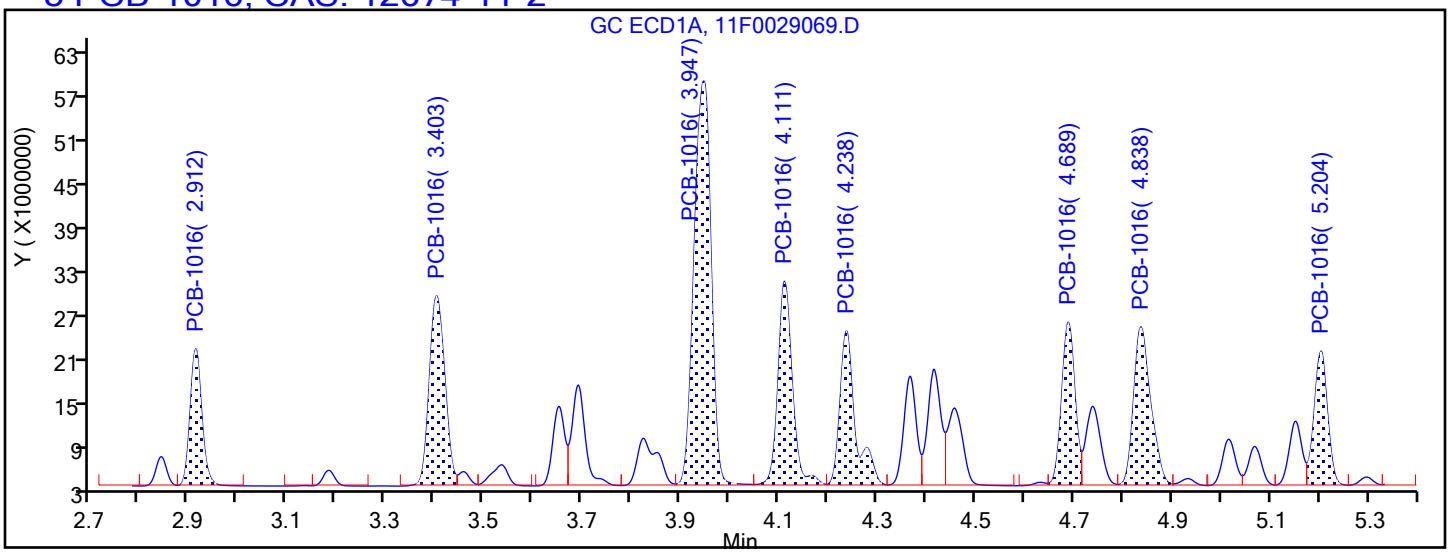
12:01:22 PM

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

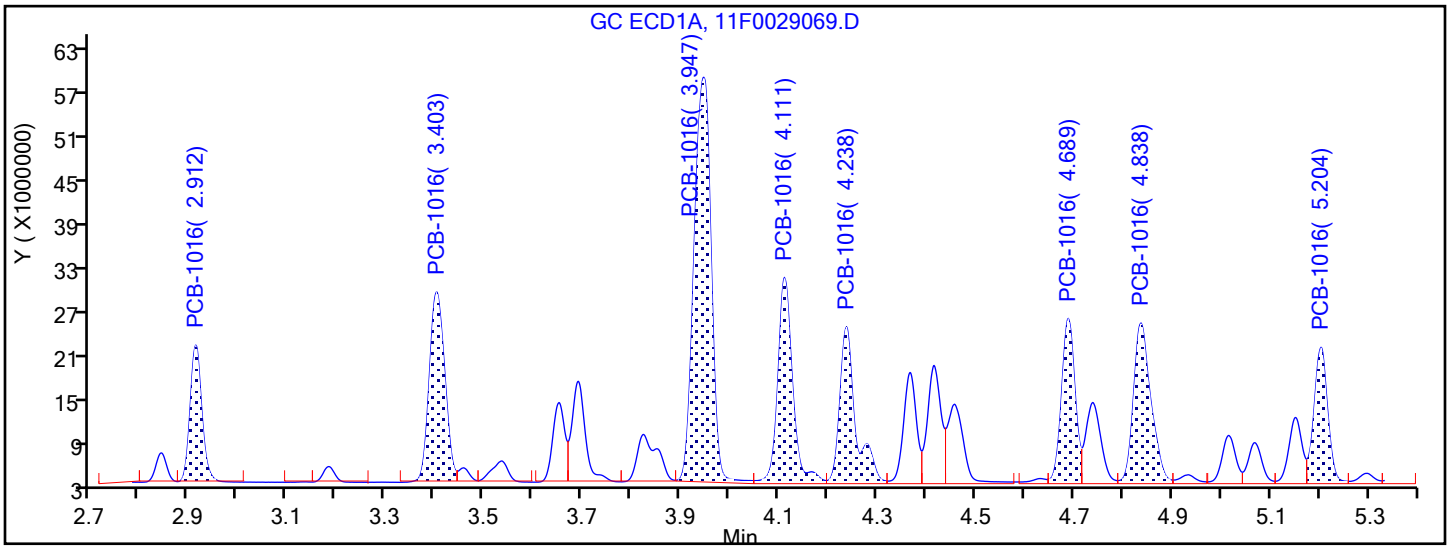
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 30989753
3.403	Response = 56283994
3.947	Response = 130792524
4.111	Response = 56010876
4.238	Response = 45742258
4.689	Response = 41679283
4.838	Response = 51681889
5.204	Response = 34712498



Manual Integration Results

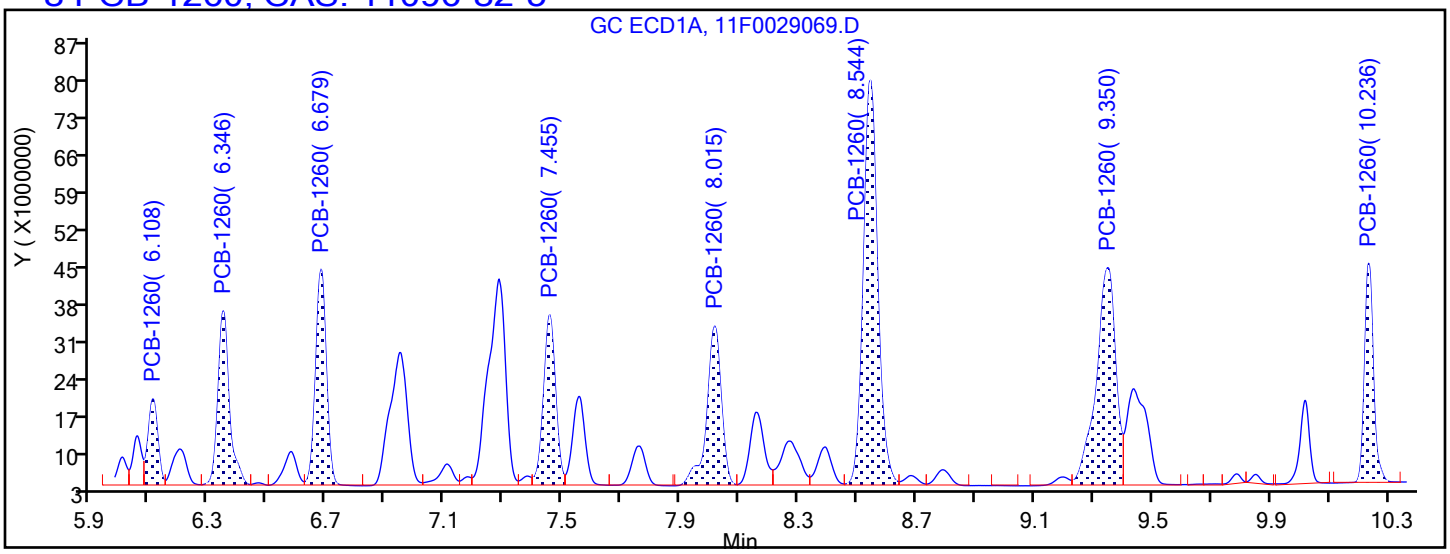
2.912	Response = 30989753	
3.403	Response = 56549644	M
3.947	Response = 132034521	M
4.111	Response = 57209078	M
4.238	Response = 46733399	M
4.689	Response = 42162642	M

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

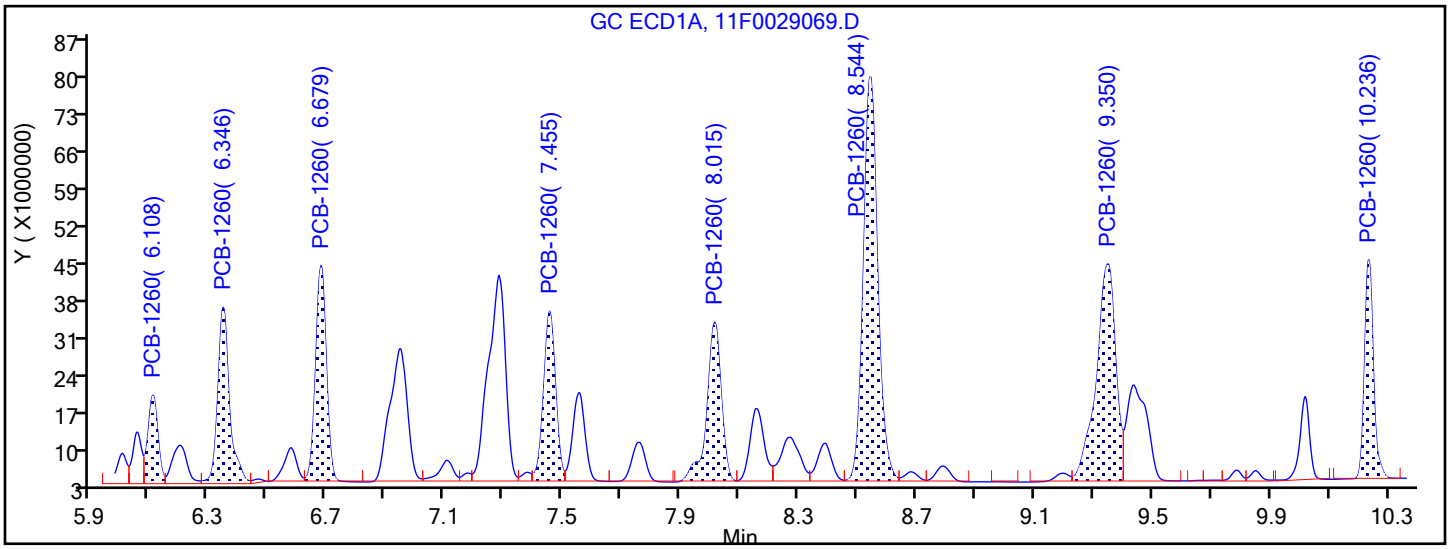
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 38243233
6.346	Response = 89260824
6.679	Response = 103475091
7.455	Response = 91177996
8.015	Response = 102325340
8.544	Response = 255070142
9.350	Response = 185953548
10.236	Response = 85469226



Manual Integration Results

6.108	Response = 38331023	M
6.346	Response = 89510822	M
6.679	Response = 103945376	M
7.455	Response = 91808566	M
8.015	Response = 103608632	M
8.544	Response = 257193492	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Dec-2023 11:33:05 ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:38 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:51:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	49213391	20.0	20.0	
2	1.227	1.227	0.000	46173697	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	313322798	150.0	162.2	
2	1.831	1.829	0.002	396057695	150.0	156.8	M
						RPD = 3.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.911	2.912	-0.001	48489847	1500.0	1397.9	
1	3.402	3.403	-0.001	92838479	1500.0	1417.8	M
1	3.946	3.947	-0.001	206808218	1500.0	1396.1	M
1	4.111	4.111	0.000	88653253	1500.0	1376.4	M
1	4.236	4.238	-0.002	72982607	1500.0	1393.1	M
1	4.689	4.689	0.000	65744755	1500.0	1402.0	M
1	4.837	4.838	-0.001	81717890	1500.0	1417.6	M
1	5.204	5.204	0.000	54277213	1500.0	1393.7	M
		Average of Peak Amounts =				1399.3	
2	2.189	2.189	0.000	64815260	1500.0	1358.9	M
2	2.550	2.549	0.001	119318735	1500.0	1373.7	M
2	2.749	2.750	-0.001	78998953	1500.0	1387.1	M
2	3.031	3.030	0.001	255716405	1500.0	1412.6	M
2	3.176	3.176	0.000	107163148	1500.0	1407.0	M
2	3.241	3.242	-0.001	69329168	1500.0	1400.3	M
2	3.634	3.633	0.001	112339722	1500.0	1394.1	M
2	4.061	4.062	-0.001	57289261	1500.0	1383.6	M
		Average of Peak Amounts =				1389.7	
						RPD = 0.69	
8 PCB-1260							M
1	6.108	6.108	0.000	58932415	1500.0	1392.3	M
1	6.346	6.346	0.000	137986133	1500.0	1393.4	M
1	6.678	6.679	-0.001	160244020	1500.0	1396.2	M
1	7.453	7.455	-0.002	140806902	1500.0	1394.5	M
1	8.014	8.015	-0.001	159252426	1500.0	1398.2	M
1	8.542	8.544	-0.002	399954742	1500.0	1436.9	M
1	9.348	9.350	-0.002	288247525	1500.0	1430.4	M
1	10.235	10.236	-0.001	132597851	1500.0	1412.7	
		Average of Peak Amounts =				1406.8	
2	5.025	5.026	-0.001	157238116	1500.0	1394.2	M
2	5.349	5.351	-0.002	295202221	1500.0	1409.7	M
2	5.839	5.841	-0.002	167948393	1500.0	1358.3	M
2	6.166	6.166	0.000	250900168	1500.0	1399.9	M
2	6.631	6.628	0.003	428745288	1500.0	1409.4	M
2	7.070	7.072	-0.002	204960821	1500.0	1424.9	
2	7.223	7.219	0.004	126768566	1500.0	1347.3	
2	8.231	8.233	-0.002	138158043	1500.0	1401.5	
		Average of Peak Amounts =				1393.2	
						RPD = 0.97	
$ 11 DCB Decachlorobiphenyl							
1	10.854	10.856	-0.002	397495474	150.0	159.8	
2	9.240	9.242	-0.002	429271339	150.0	156.0	
						RPD = 2.38	
S 12 Polychlorinated biphenyls, Total							
1						2806.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

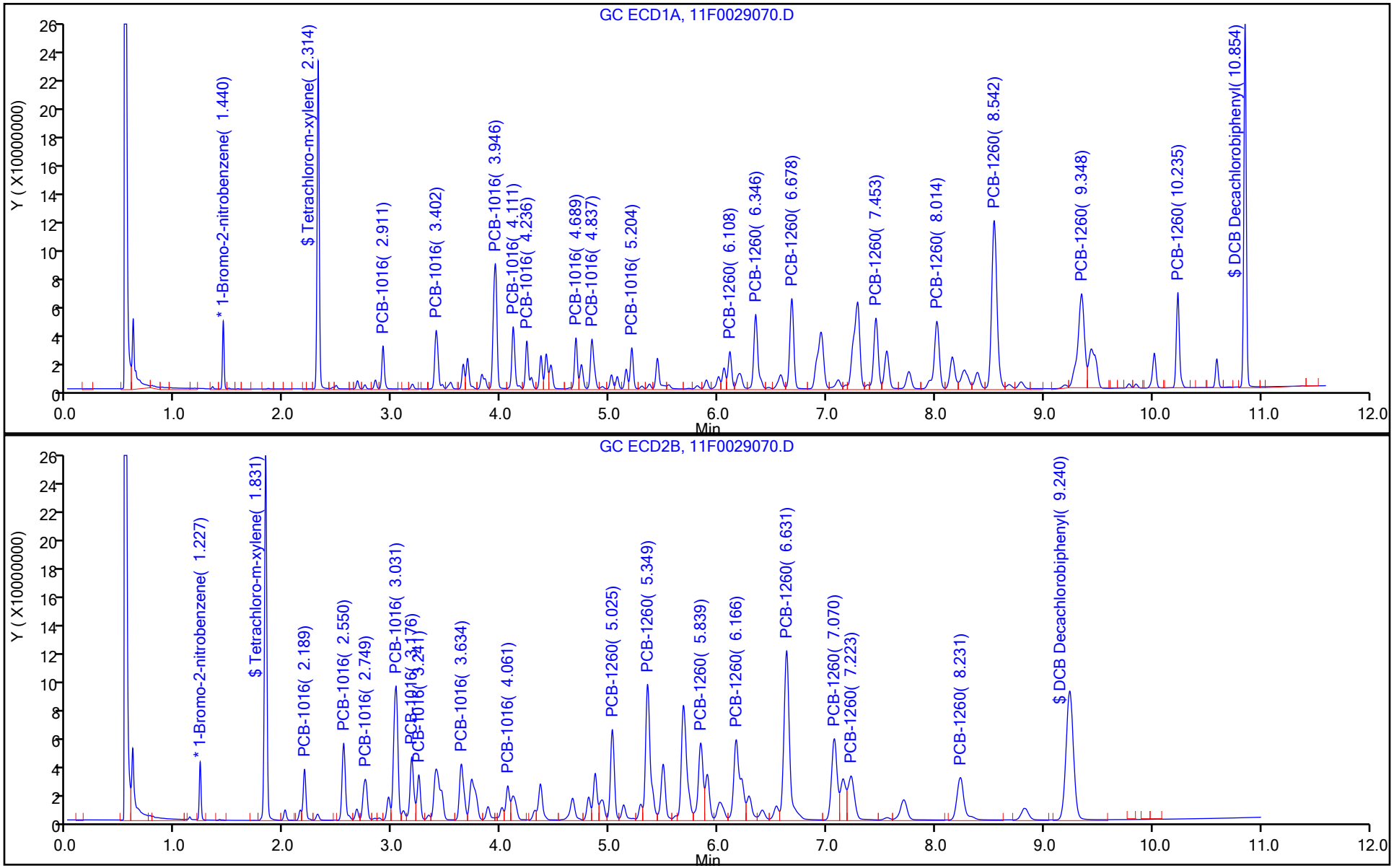
SG1660L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D

Injection Date:	21-Dec-2023 11:33:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



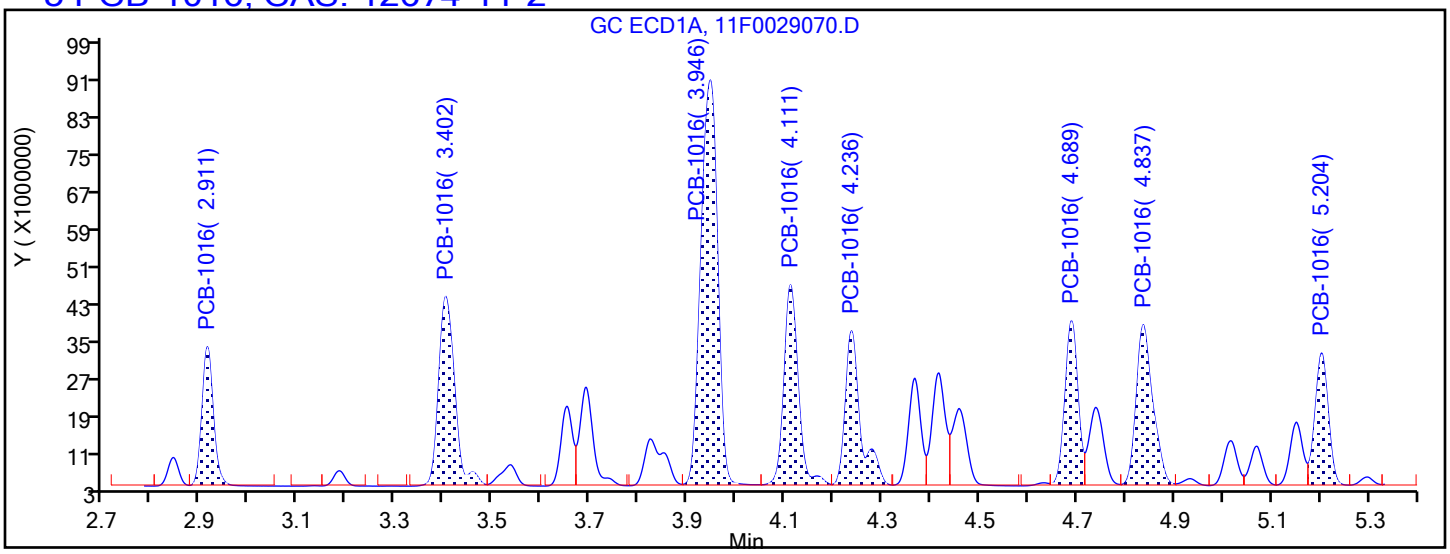
3/27/2024
12:01:22 PM

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

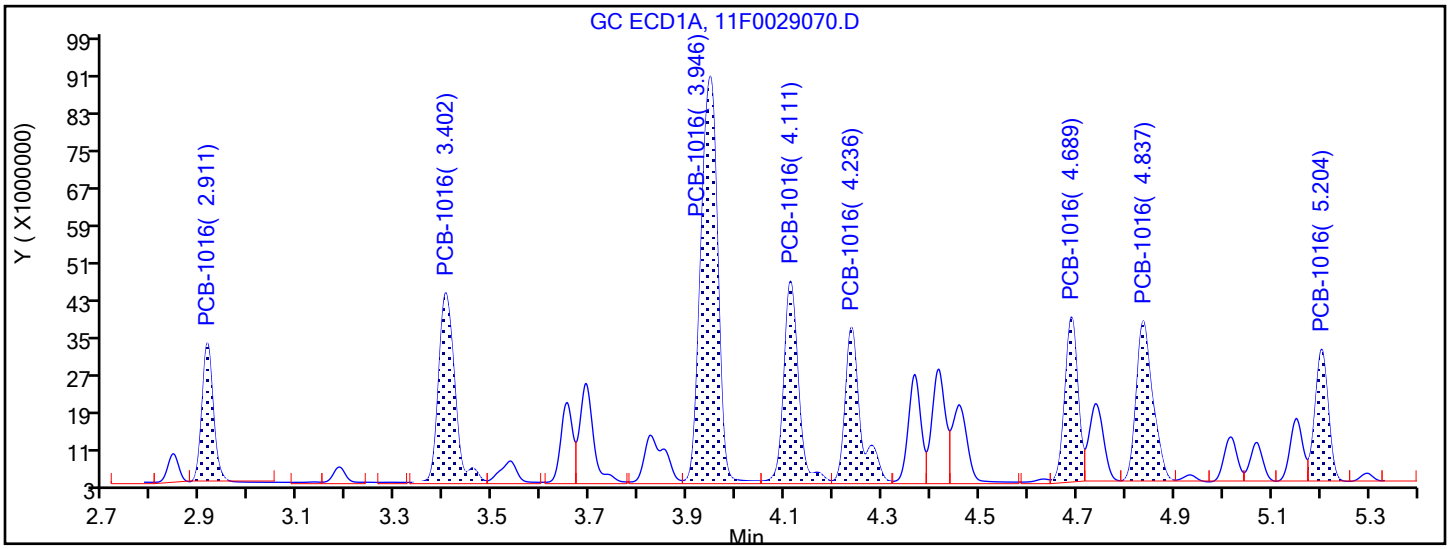
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.911	Response = 48489847
3.402	Response = 92481810
3.946	Response = 205259962
4.111	Response = 87176224
4.236	Response = 71702238
4.689	Response = 65099731
4.837	Response = 80608498
5.204	Response = 53617467



Manual Integration Results

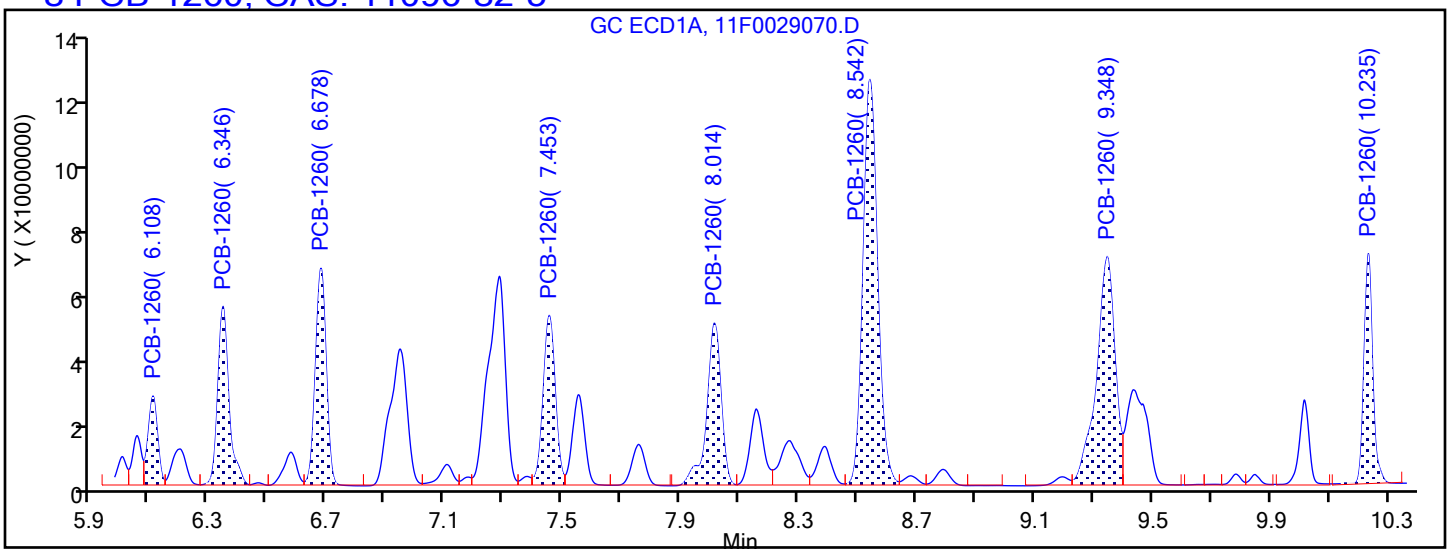
2.911	Response = 48489847	
3.402	Response = 92838479	M
3.946	Response = 206808218	M
4.111	Response = 88653253	M
4.236	Response = 72982607	M
4.689	Response = 65744755	M

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

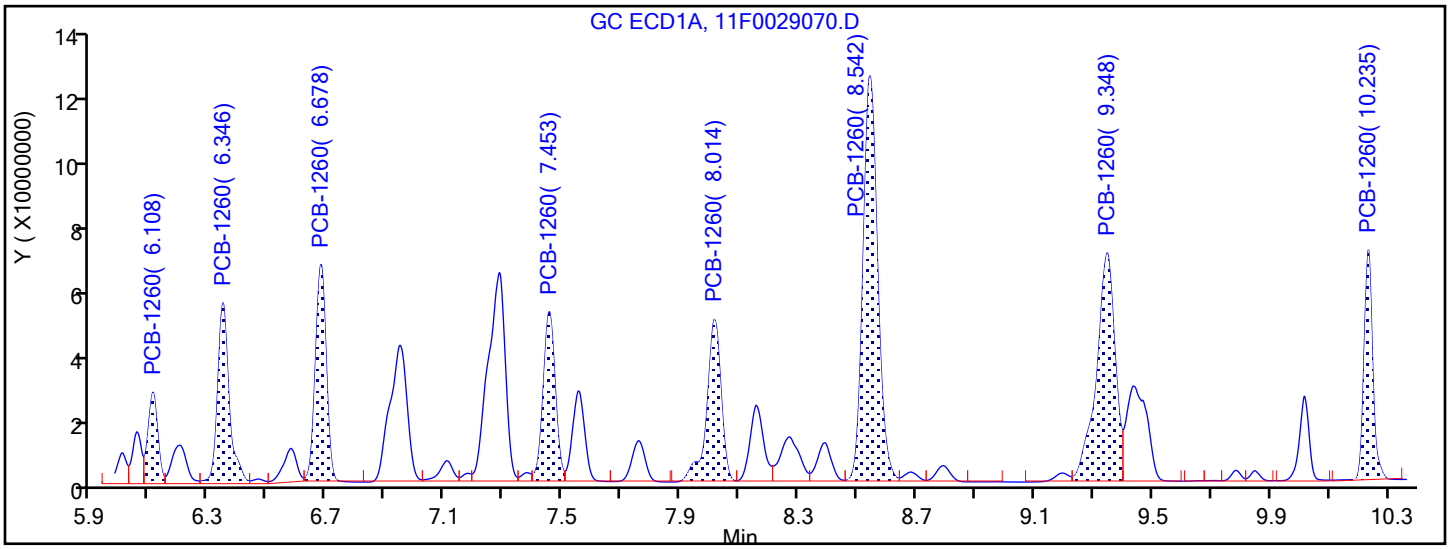
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 58840119
6.346	Response = 137701101
6.678	Response = 159629691
7.453	Response = 139849368
8.014	Response = 157076677
8.542	Response = 396479279
9.348	Response = 287227031
10.235	Response = 132597851



Manual Integration Results

6.108	Response = 58932415	M
6.346	Response = 137986133	M
6.678	Response = 160244020	M
7.453	Response = 140806902	M
8.014	Response = 159252426	M
8.542	Response = 399954742	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Dec-2023 11:49:49 ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:46 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:54:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	47065532	20.0	20.0	
2	1.227	1.227	0.000	44447285	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	428675139	200.0	232.0	M
2	1.830	1.829	0.001	537208471	200.0	221.0	M
						RPD = 4.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	81383757	2500.0	2453.3	M
1	3.403	3.403	0.000	148529605	2500.0	2371.8	M
1	3.945	3.947	-0.002	355157973	2500.0	2506.9	M
1	4.112	4.111	0.001	151849646	2500.0	2465.1	M
1	4.237	4.238	-0.001	125187388	2500.0	2498.6	M
1	4.689	4.689	0.000	112720699	2500.0	2513.4	M
1	4.837	4.838	-0.001	140349801	2500.0	2545.8	M
1	5.204	5.204	0.000	93849072	2500.0	2519.8	M
		Average of Peak Amounts =				2484.3	
2	2.188	2.189	-0.001	104352362	2500.0	2272.9	M
2	2.548	2.549	-0.001	199021915	2500.0	2380.3	M
2	2.748	2.750	-0.002	132030879	2500.0	2408.2	M
2	3.030	3.030	0.000	434027187	2500.0	2490.8	M
2	3.177	3.176	0.001	179208520	2500.0	2444.4	M
2	3.240	3.242	-0.002	117812356	2500.0	2471.9	M
2	3.633	3.633	0.000	189417239	2500.0	2442.0	M
2	4.062	4.062	0.000	96767755	2500.0	2427.7	M
		Average of Peak Amounts =				2417.3	
						RPD = 2.74	
8 PCB-1260							M
1	6.108	6.108	0.000	100646473	2500.0	2486.3	M
1	6.347	6.346	0.001	238068015	2500.0	2513.7	M
1	6.678	6.679	-0.001	274300092	2500.0	2499.0	M
1	7.453	7.455	-0.002	236550765	2500.0	2449.6	M
1	8.017	8.015	0.002	273597625	2500.0	2511.7	M
1	8.544	8.544	0.000	683564638	2500.0	2567.8	M
1	9.346	9.350	-0.004	489848240	2500.0	2541.7	
1	10.233	10.236	-0.003	226327114	2500.0	2521.3	
		Average of Peak Amounts =				2511.4	
2	5.025	5.026	-0.001	266073473	2500.0	2450.8	M
2	5.349	5.351	-0.002	502608175	2500.0	2493.4	M
2	5.840	5.841	-0.001	282681716	2500.0	2375.0	M
2	6.164	6.166	-0.002	429083691	2500.0	2487.0	M
2	6.630	6.628	0.002	739043428	2500.0	2523.8	M
2	7.071	7.072	-0.001	352803265	2500.0	2548.0	M
2	7.223	7.219	0.004	222352921	2500.0	2455.0	M
2	8.233	8.233	0.000	234466761	2500.0	2470.9	
		Average of Peak Amounts =				2475.5	
						RPD = 1.44	
$ 11 DCB Decachlorobiphenyl							
1	10.853	10.856	-0.003	554329071	200.0	233.0	
2	9.238	9.242	-0.004	587905962	200.0	222.0	
						RPD = 4.84	
S 12 Polychlorinated biphenyls, Total							
1						4995.7	

QC Flag Legend

Processing Flags

Review Flags
M - Manually Integrated

Reagents:

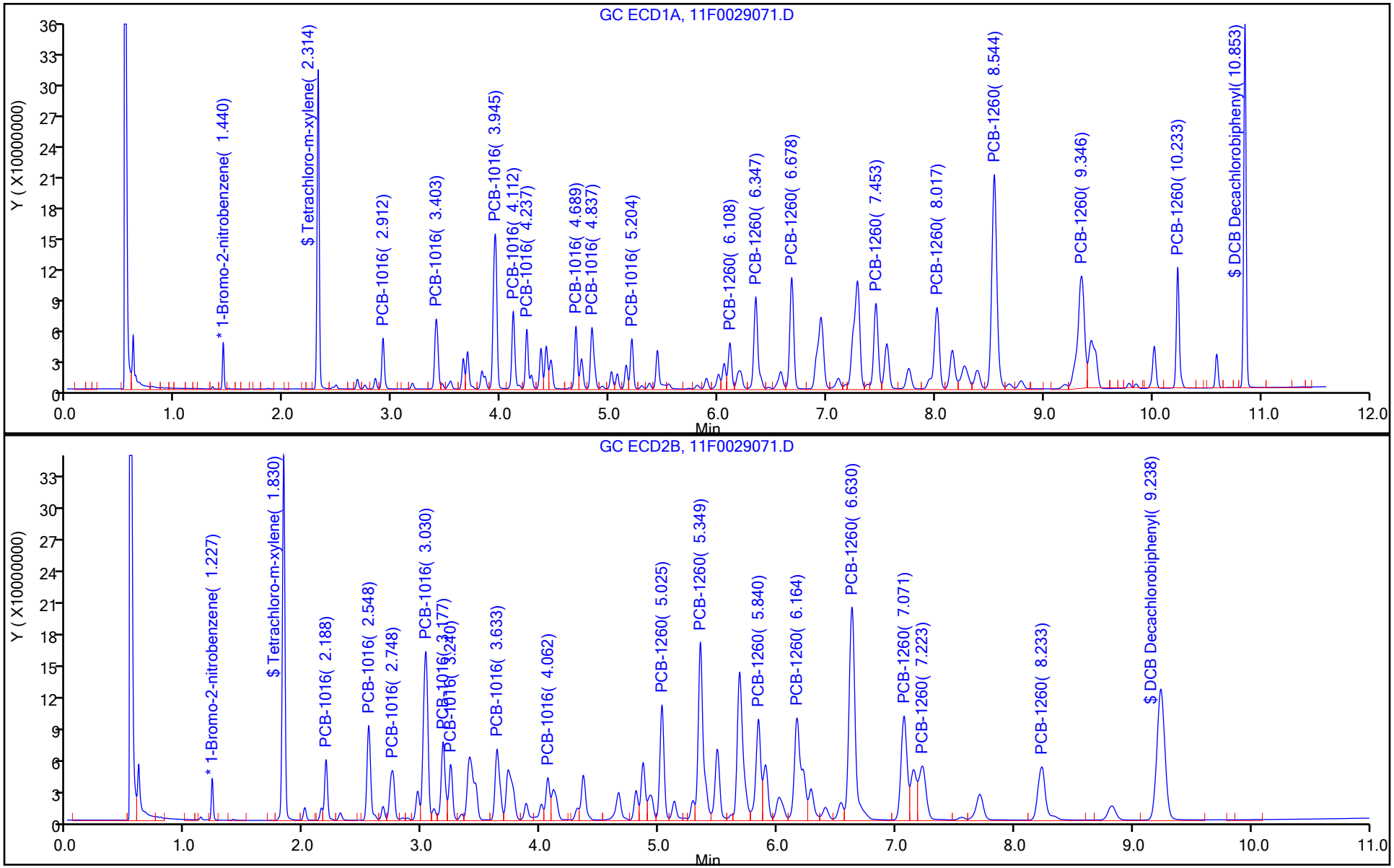
SG1660L5_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D

Injection Date:	21-Dec-2023 11:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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Manual Integration/User Assign Peak Report

Eurofins Edison

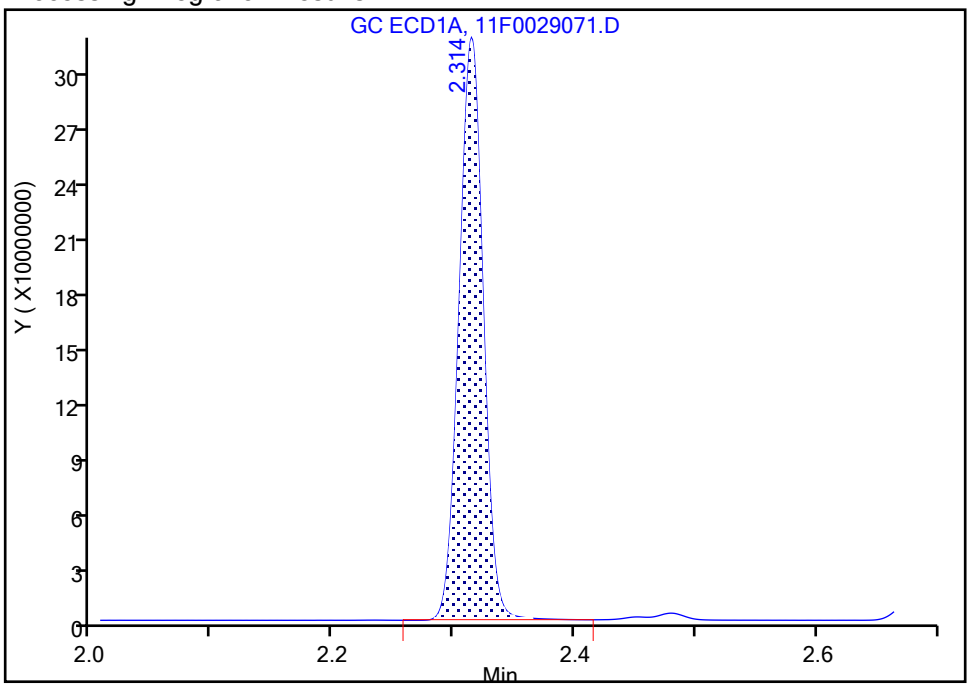
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

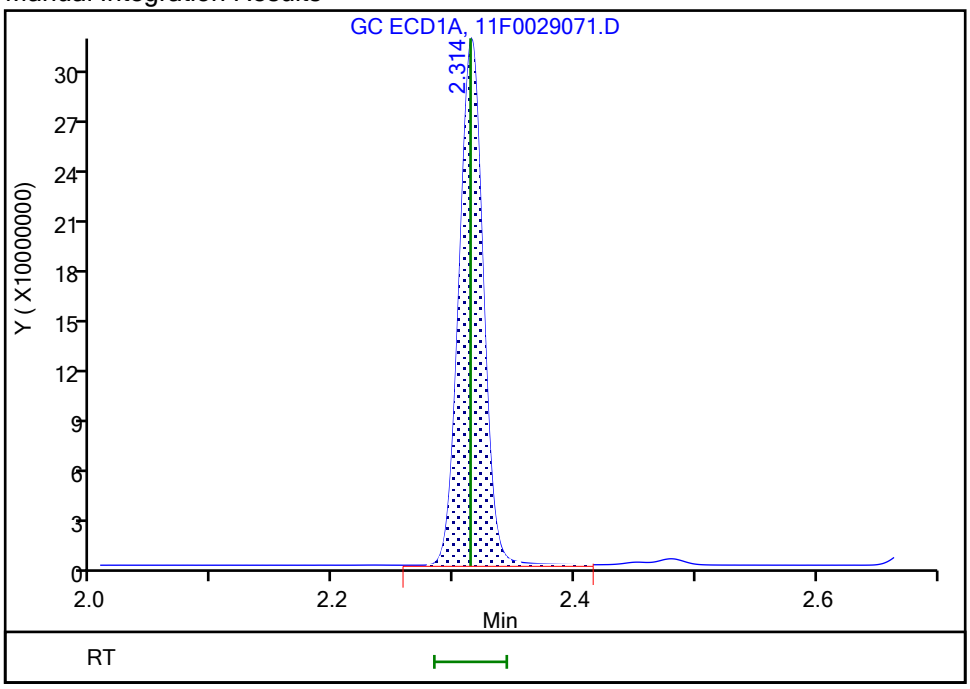
Processing Integration Results

RT: 2.31
Area: 428856040
Amount: 232.0693
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 428675139
Amount: 231.9941
Amount Units: ug/l



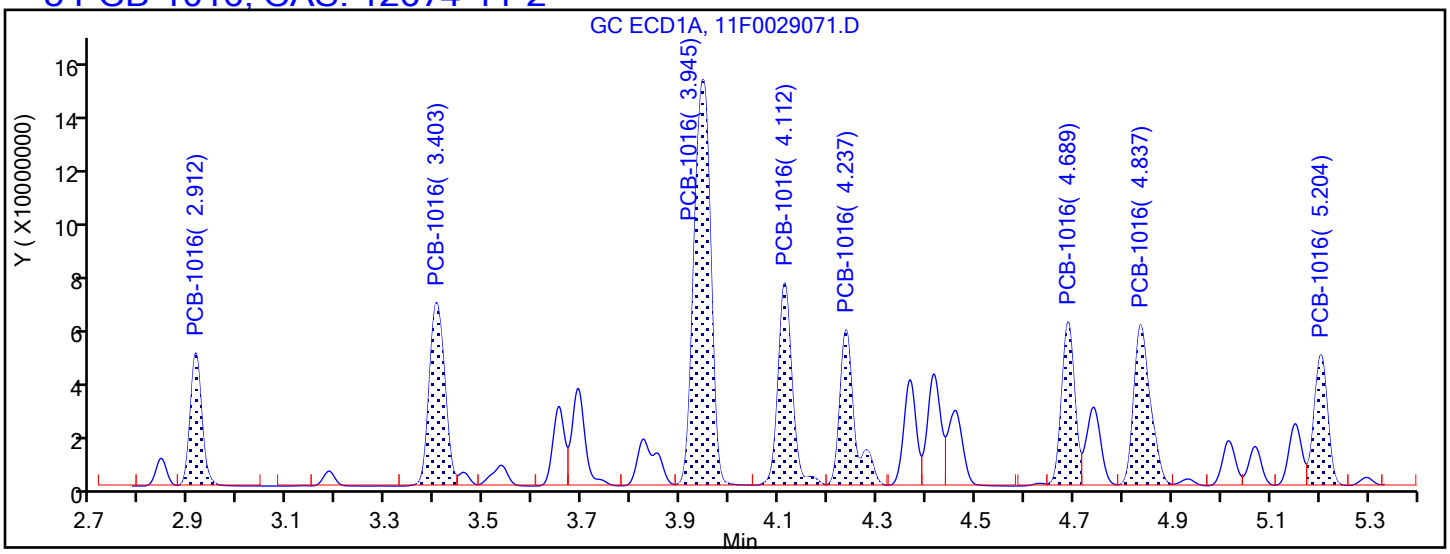
Reviewer: OR9X, 21-Dec-2023 12:53:38 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

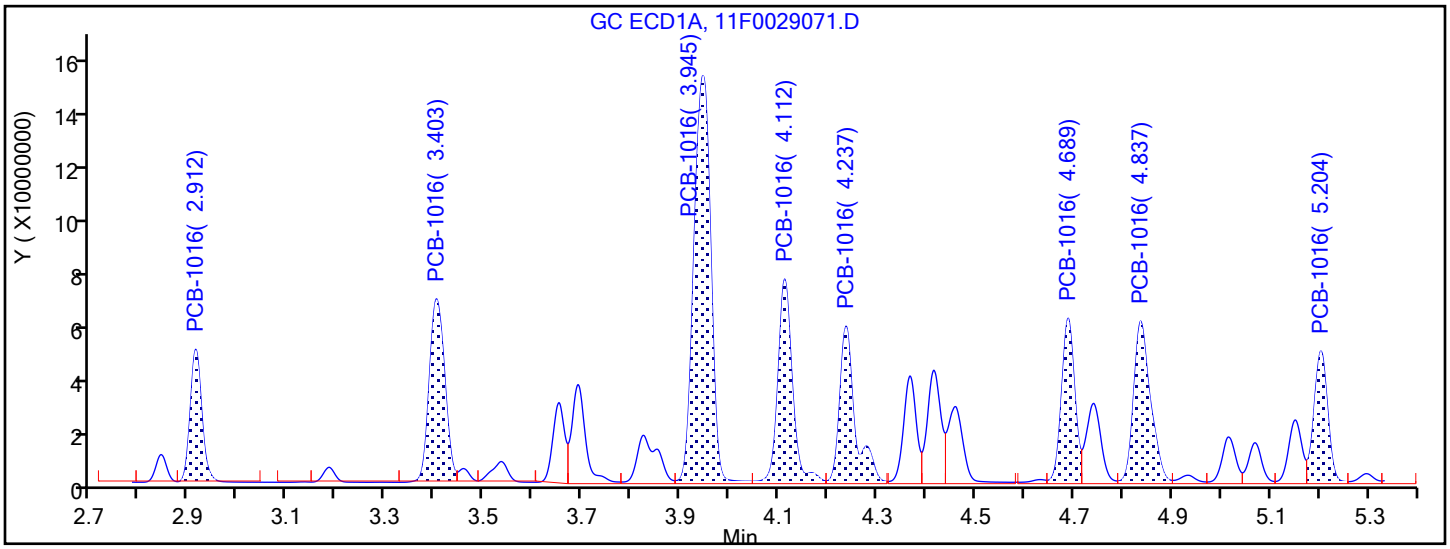
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 81263562
3.403	Response = 148460646
3.945	Response = 353436873
4.112	Response = 149969573
4.237	Response = 123551908
4.689	Response = 111838654
4.837	Response = 138803897
5.204	Response = 92944559



Manual Integration Results

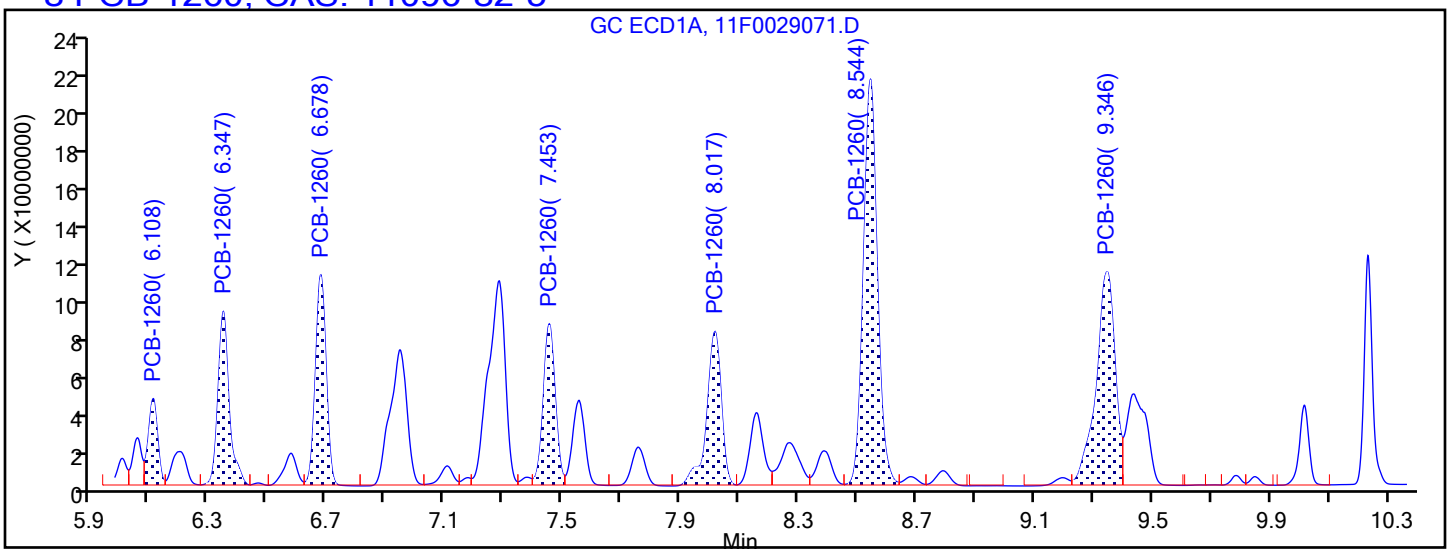
2.912	Response = 81383757	M
3.403	Response = 148529605	M
3.945	Response = 355157973	M
4.112	Response = 151849646	M
4.237	Response = 125187388	M
4.689	Response = 112720699	M

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

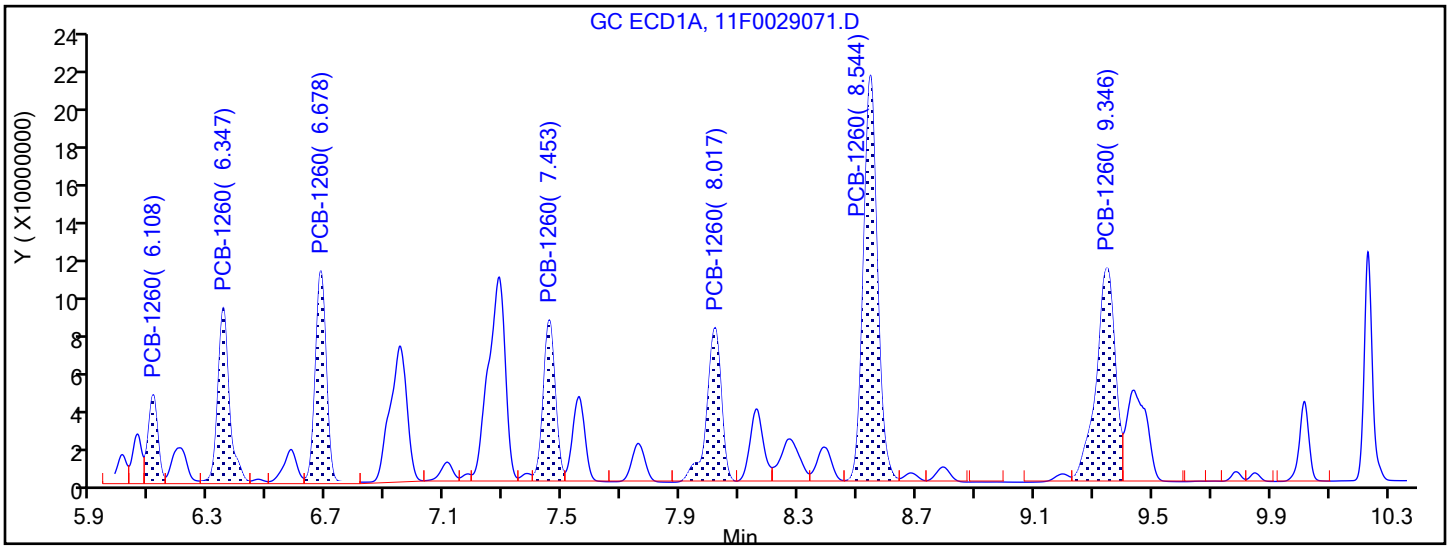
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 100505040
6.347	Response = 237613626
6.678	Response = 273388873
7.453	Response = 235112803
8.017	Response = 270470373
8.544	Response = 678096963
9.346	Response = 489848240
10.233	Response = 226327114



Manual Integration Results

6.108	Response = 100646473	M
6.347	Response = 238068015	M
6.678	Response = 274300092	M
7.453	Response = 236550765	M
8.017	Response = 273597625	M
8.544	Response = 683564638	M

Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

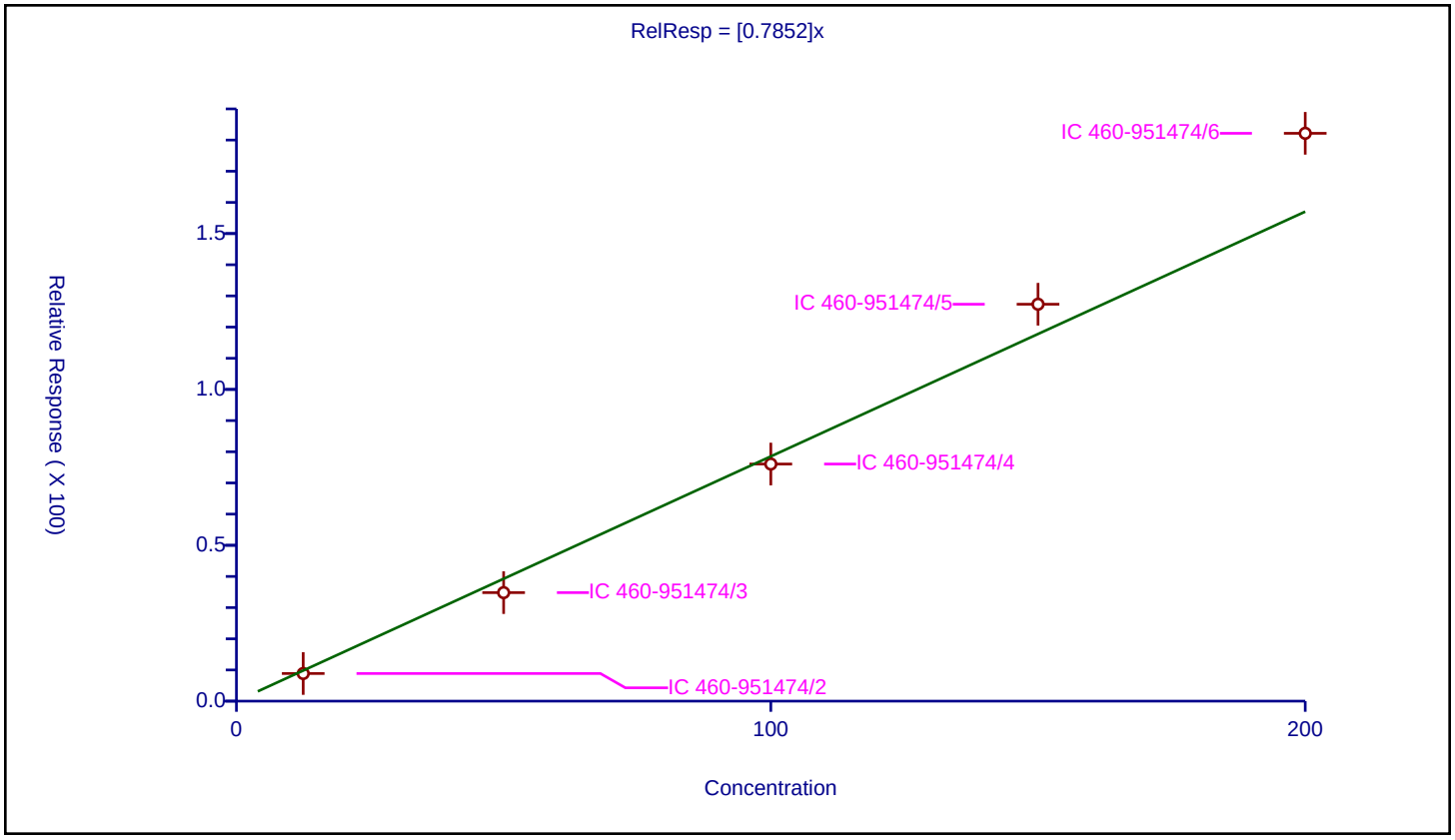
Curve Coefficients

Intercept:	0
Slope:	0.7852

Error Coefficients

Standard Error:	284000000
Relative Standard Error:	11.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	8.867727	20.0	49355200.0	0.709418	Y
2	IC 460-951474/3	50.0	34.812066	20.0	51725903.0	0.696241	Y
3	IC 460-951474/4	100.0	76.063658	20.0	46922711.0	0.760637	Y
4	IC 460-951474/5	150.0	127.332334	20.0	49213391.0	0.848882	Y
5	IC 460-951474/6	200.0	182.160966	20.0	47065532.0	0.910805	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

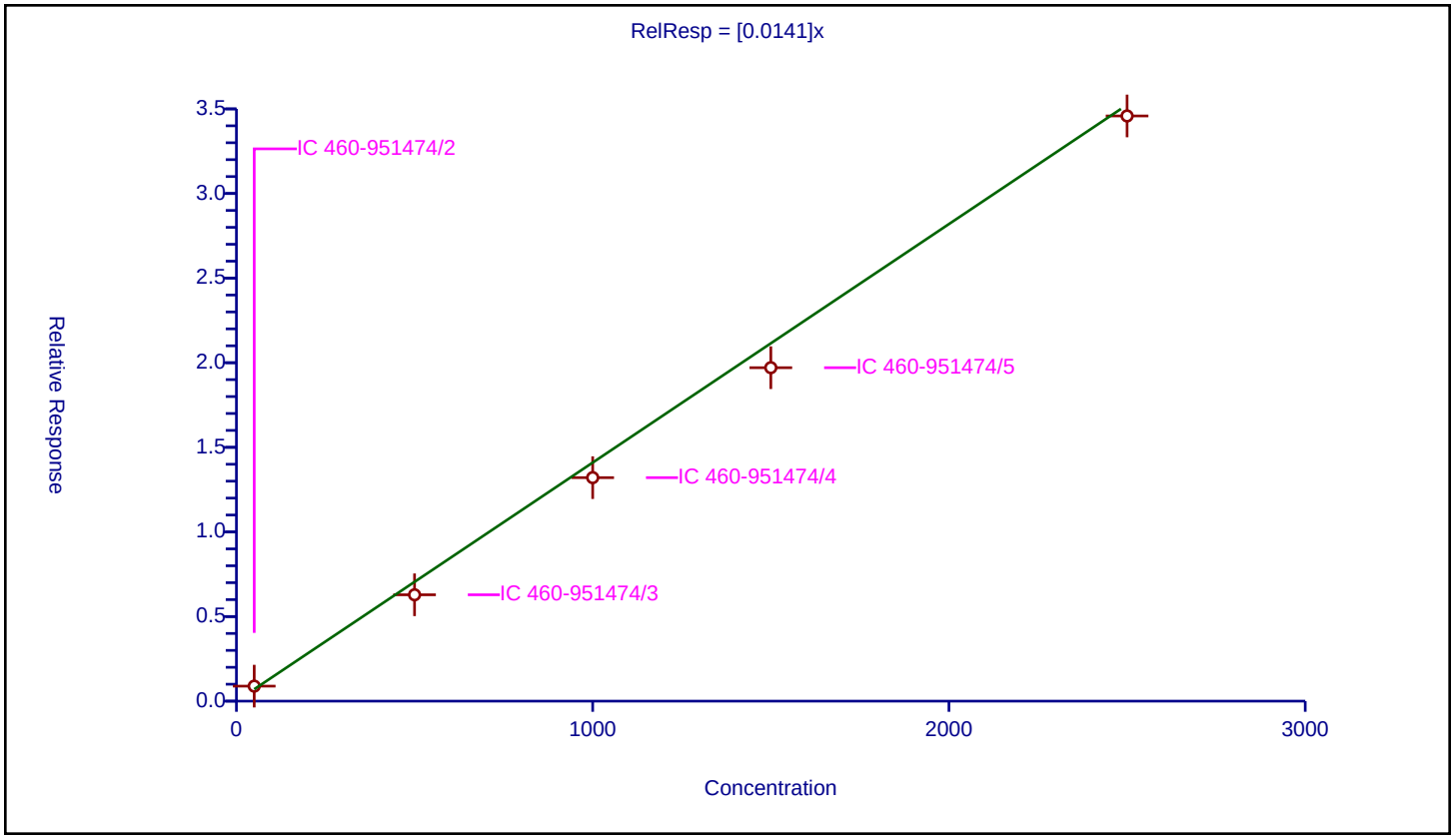
Curve Coefficients

Intercept:	0
Slope:	0.0141

Error Coefficients

Standard Error:	50500000
Relative Standard Error:	14.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	0.886695	20.0	49355200.0	0.017734	Y
2	IC 460-951474/3	500.0	6.285088	20.0	51725903.0	0.01257	Y
3	IC 460-951474/4	1000.0	13.20885	20.0	46922711.0	0.013209	Y
4	IC 460-951474/5	1500.0	19.705956	20.0	49213391.0	0.013137	Y
5	IC 460-951474/6	2500.0	34.583167	20.0	47065532.0	0.013833	Y



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Calibration / PCB-1016 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

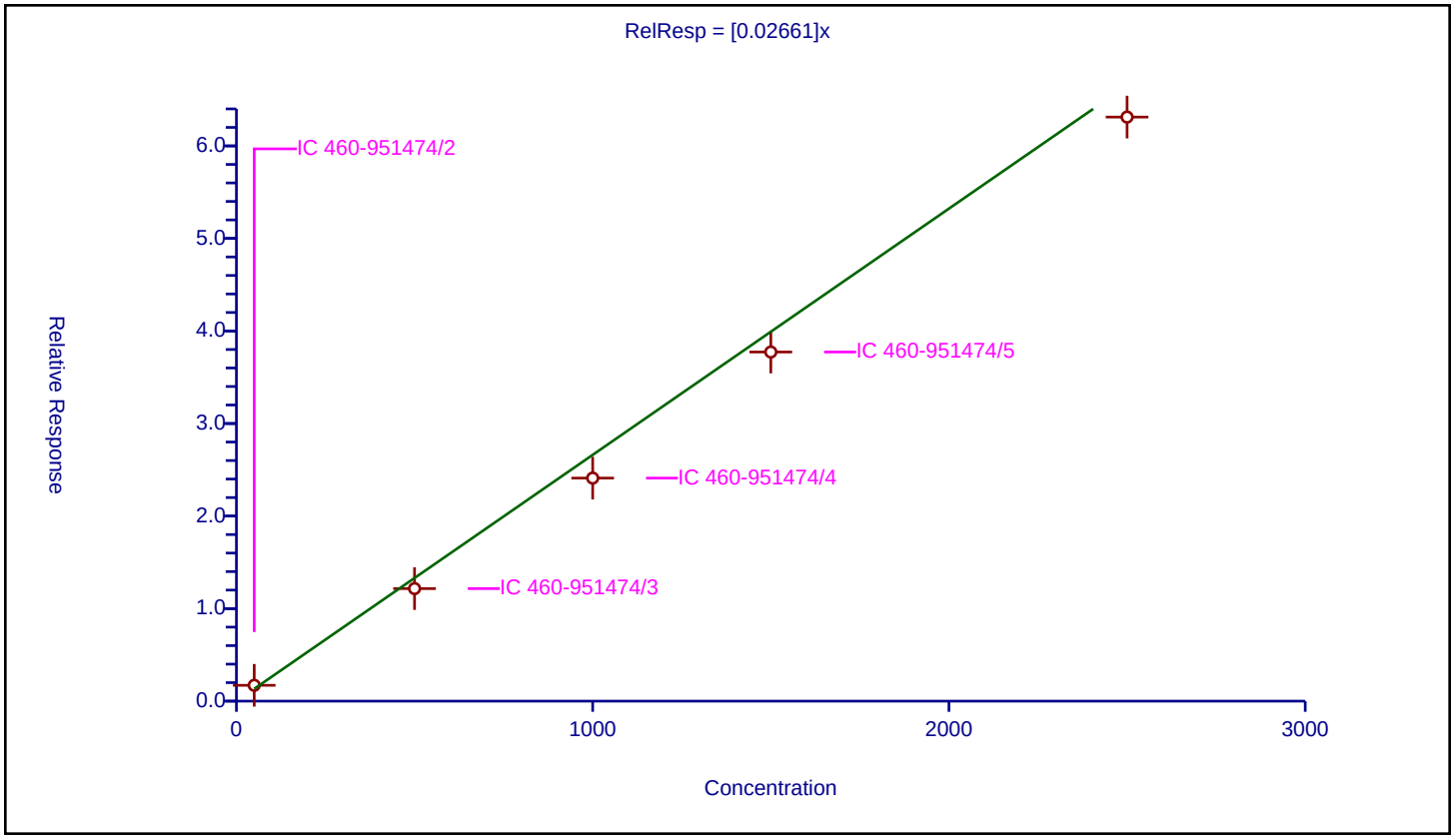
Curve Coefficients

Intercept:	0
Slope:	0.02661

Error Coefficients

Standard Error:	93400000
Relative Standard Error:	16.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.71155	20.0	49355200.0	0.034231	Y
2	IC 460-951474/3	500.0	12.161925	20.0	51725903.0	0.024324	Y
3	IC 460-951474/4	1000.0	24.103315	20.0	46922711.0	0.024103	Y
4	IC 460-951474/5	1500.0	37.72895	20.0	49213391.0	0.025153	Y
5	IC 460-951474/6	2500.0	63.116085	20.0	47065532.0	0.025246	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

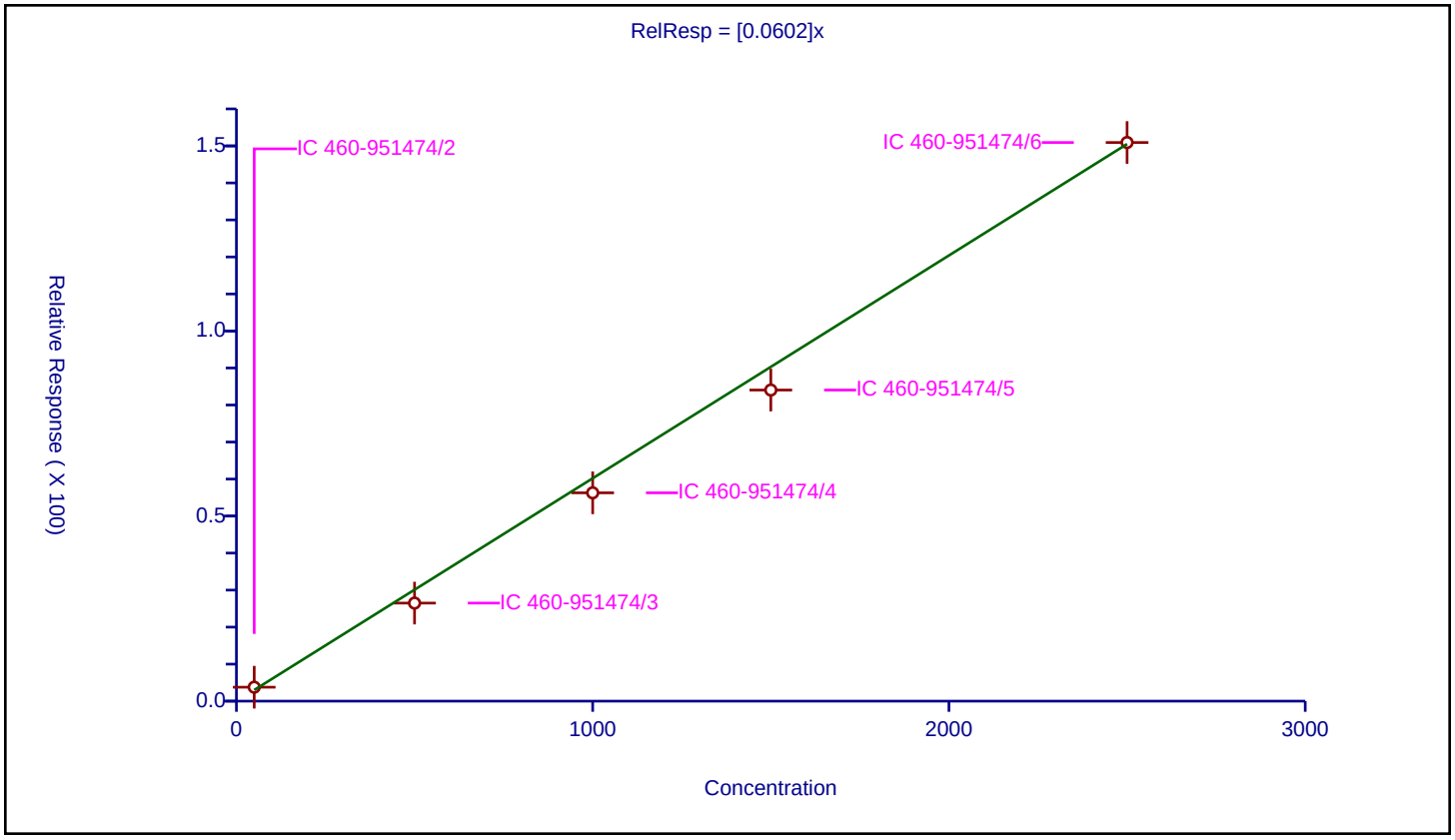
Curve Coefficients

Intercept:	0
Slope:	0.0602

Error Coefficients

Standard Error:	219000000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.767768	20.0	49355200.0	0.075355	Y
2	IC 460-951474/3	500.0	26.489998	20.0	51725903.0	0.05298	Y
3	IC 460-951474/4	1000.0	56.277448	20.0	46922711.0	0.056277	Y
4	IC 460-951474/5	1500.0	84.045506	20.0	49213391.0	0.05603	Y
5	IC 460-951474/6	2500.0	150.920624	20.0	47065532.0	0.060368	Y



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Calibration / PCB-1016 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

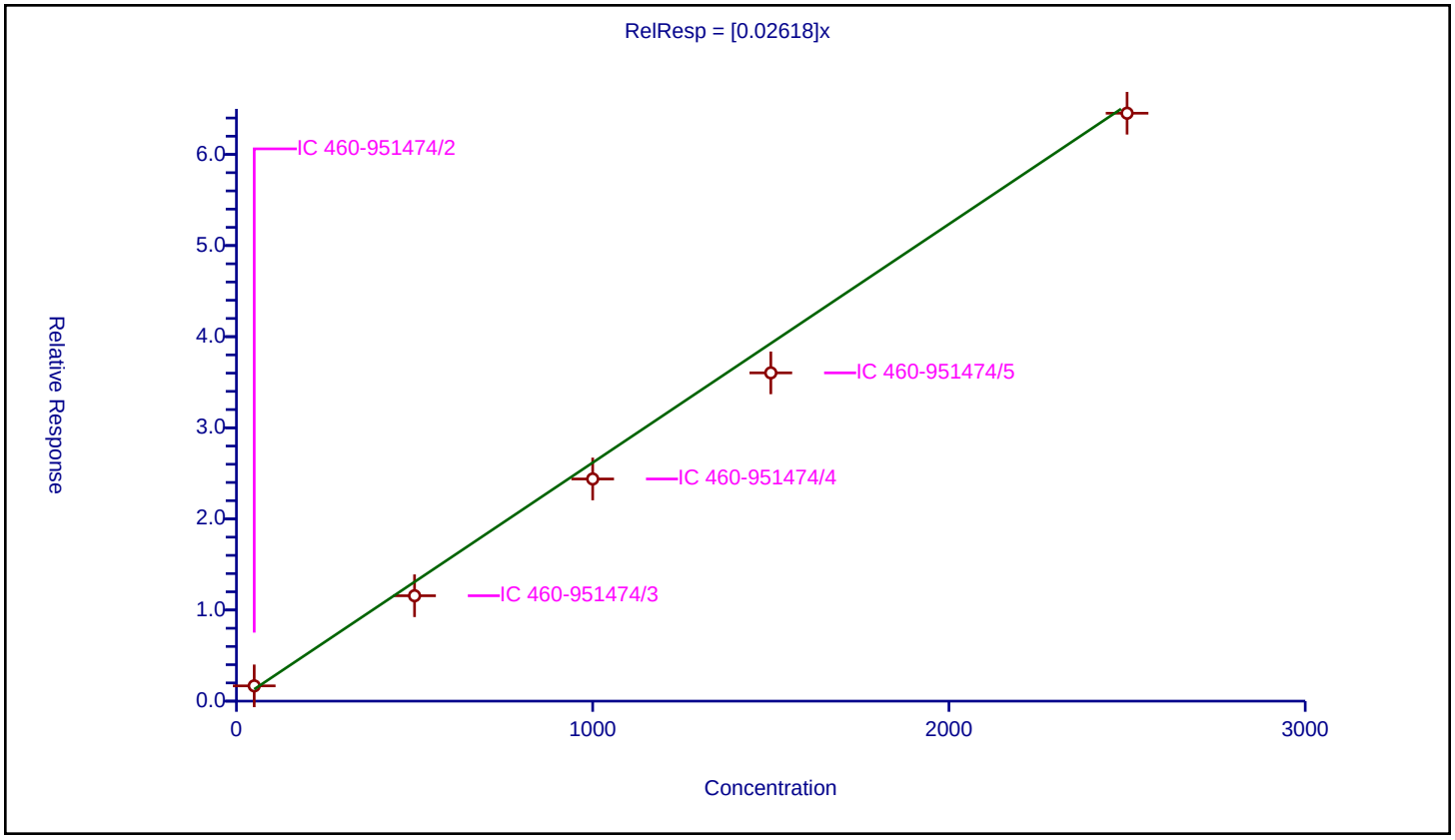
Curve Coefficients

Intercept:	0
Slope:	0.02618

Error Coefficients

Standard Error:	93700000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.676405	20.0	49355200.0	0.033528	Y
2	IC 460-951474/3	500.0	11.56839	20.0	51725903.0	0.023137	Y
3	IC 460-951474/4	1000.0	24.384387	20.0	46922711.0	0.024384	Y
4	IC 460-951474/5	1500.0	36.028102	20.0	49213391.0	0.024019	Y
5	IC 460-951474/6	2500.0	64.526901	20.0	47065532.0	0.025811	Y



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Calibration / PCB-1016 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

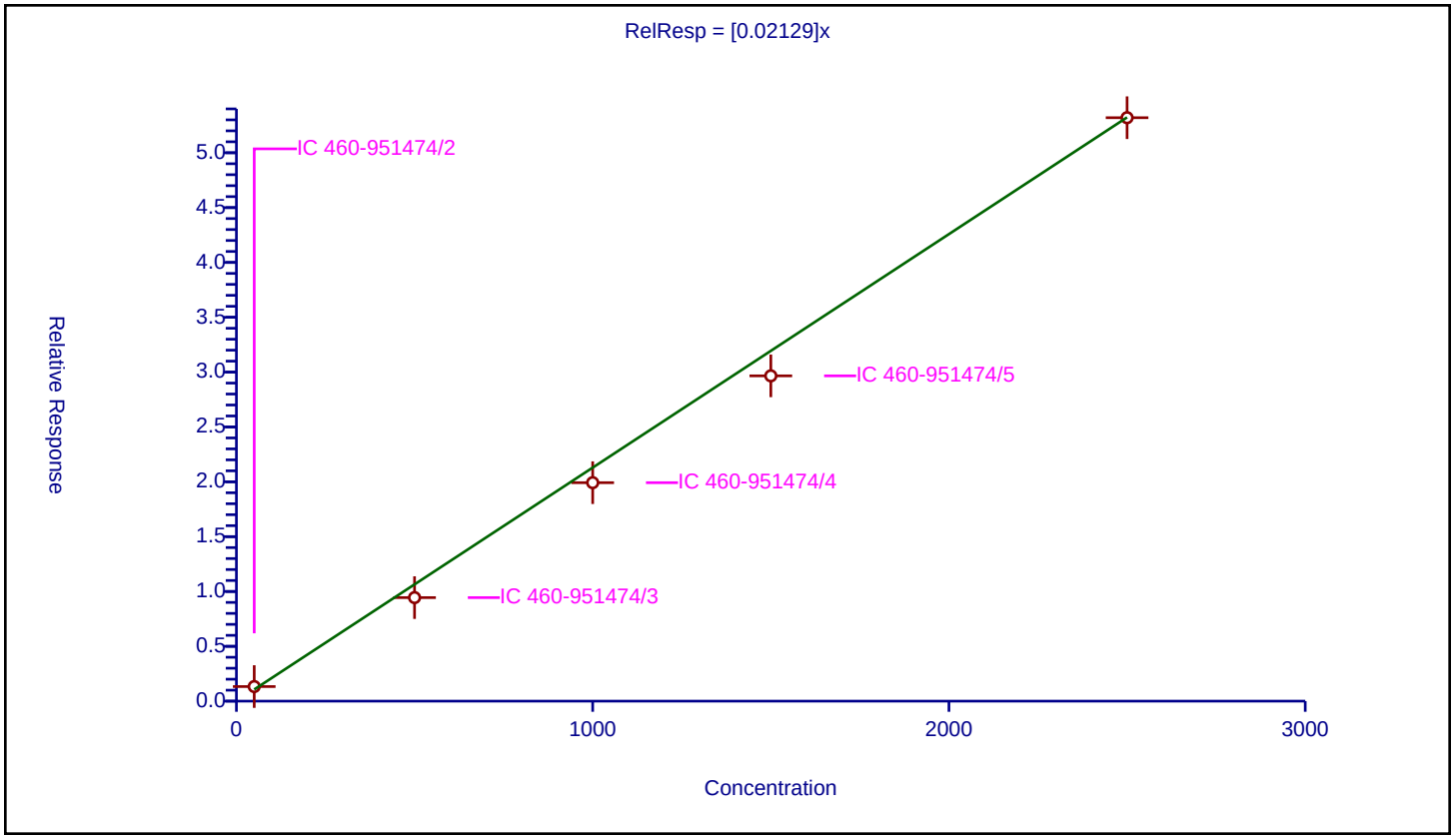
Curve Coefficients

Intercept:	0
Slope:	0.02129

Error Coefficients

Standard Error:	77100000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.330228	20.0	49355200.0	0.026605	Y
2	IC 460-951474/3	500.0	9.439983	20.0	51725903.0	0.01888	Y
3	IC 460-951474/4	1000.0	19.919309	20.0	46922711.0	0.019919	Y
4	IC 460-951474/5	1500.0	29.659654	20.0	49213391.0	0.019773	Y
5	IC 460-951474/6	2500.0	53.197056	20.0	47065532.0	0.021279	Y



Calibration / PCB-1016 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

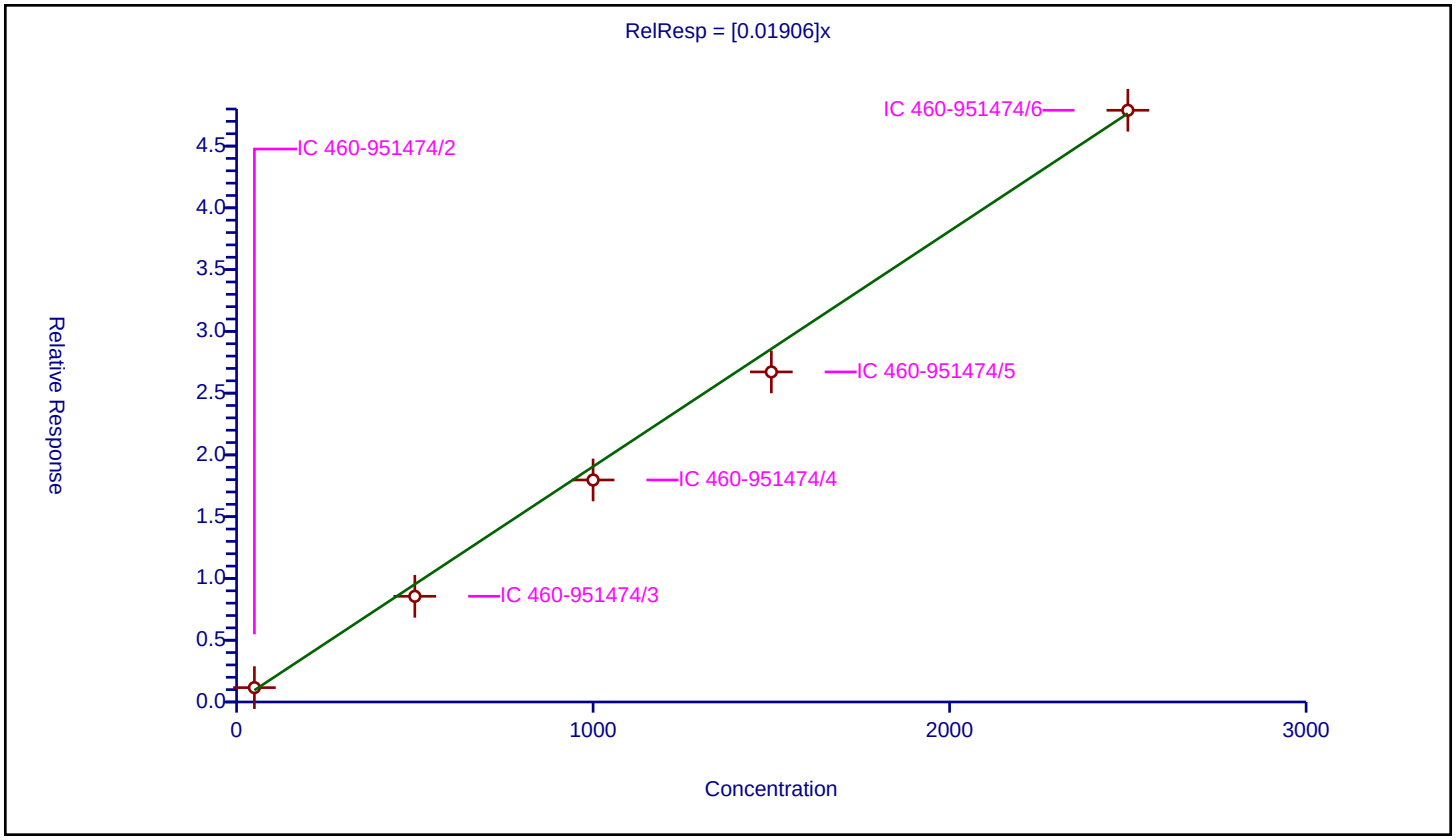
Curve Coefficients

Intercept:	0
Slope:	0.01906

Error Coefficients

Standard Error:	69500000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.16179	20.0	49355200.0	0.023236	Y
2	IC 460-951474/3	500.0	8.554626	20.0	51725903.0	0.017109	Y
3	IC 460-951474/4	1000.0	17.971102	20.0	46922711.0	0.017971	Y
4	IC 460-951474/5	1500.0	26.718238	20.0	49213391.0	0.017812	Y
5	IC 460-951474/6	2500.0	47.899469	20.0	47065532.0	0.01916	Y



Calibration / PCB-1016 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

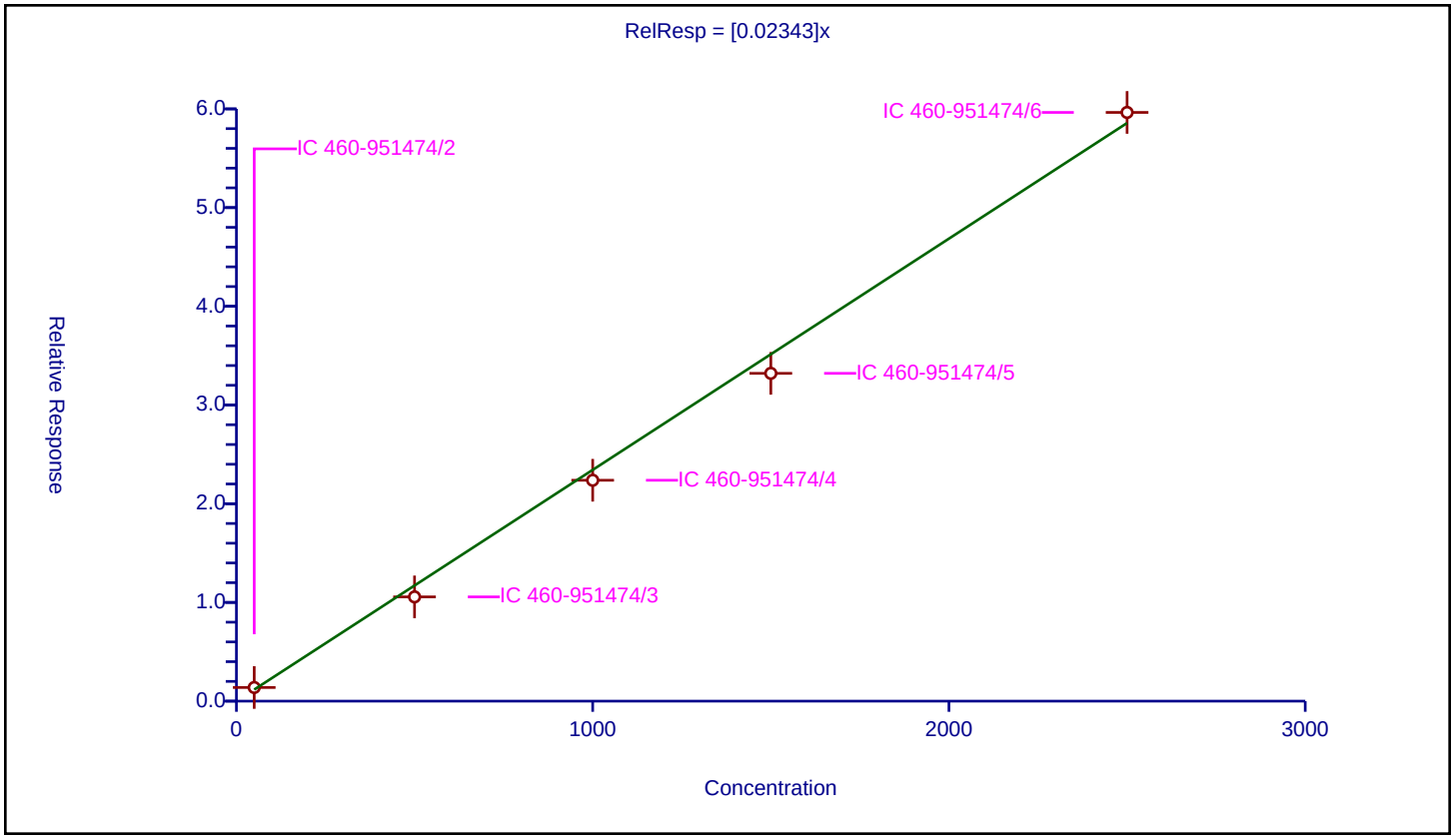
Curve Coefficients

Intercept:	0
Slope:	0.02343

Error Coefficients

Standard Error:	86400000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.381943	20.0	49355200.0	0.027639	Y
2	IC 460-951474/3	500.0	10.561373	20.0	51725903.0	0.021123	Y
3	IC 460-951474/4	1000.0	22.377374	20.0	46922711.0	0.022377	Y
4	IC 460-951474/5	1500.0	33.209616	20.0	49213391.0	0.02214	Y
5	IC 460-951474/6	2500.0	59.640163	20.0	47065532.0	0.023856	Y



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Calibration / PCB-1016 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

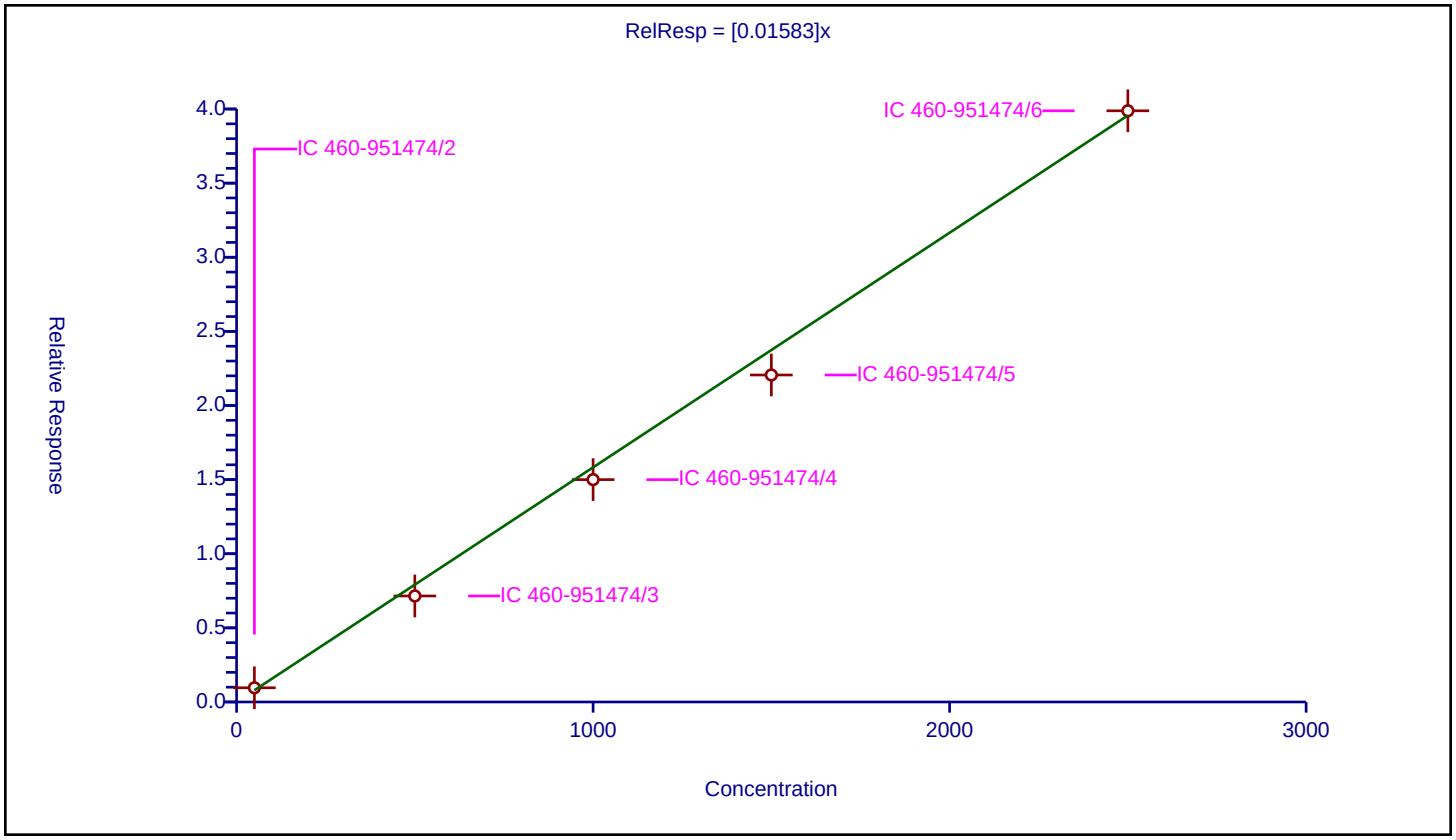
Curve Coefficients

Intercept:	0
Slope:	0.01583

Error Coefficients

Standard Error:	57700000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	0.958609	20.0	49355200.0	0.019172	Y
2	IC 460-951474/3	500.0	7.15149	20.0	51725903.0	0.014303	Y
3	IC 460-951474/4	1000.0	15.000203	20.0	46922711.0	0.015	Y
4	IC 460-951474/5	1500.0	22.057904	20.0	49213391.0	0.014705	Y
5	IC 460-951474/6	2500.0	39.88017	20.0	47065532.0	0.015952	Y



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Calibration / PCB-1260 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

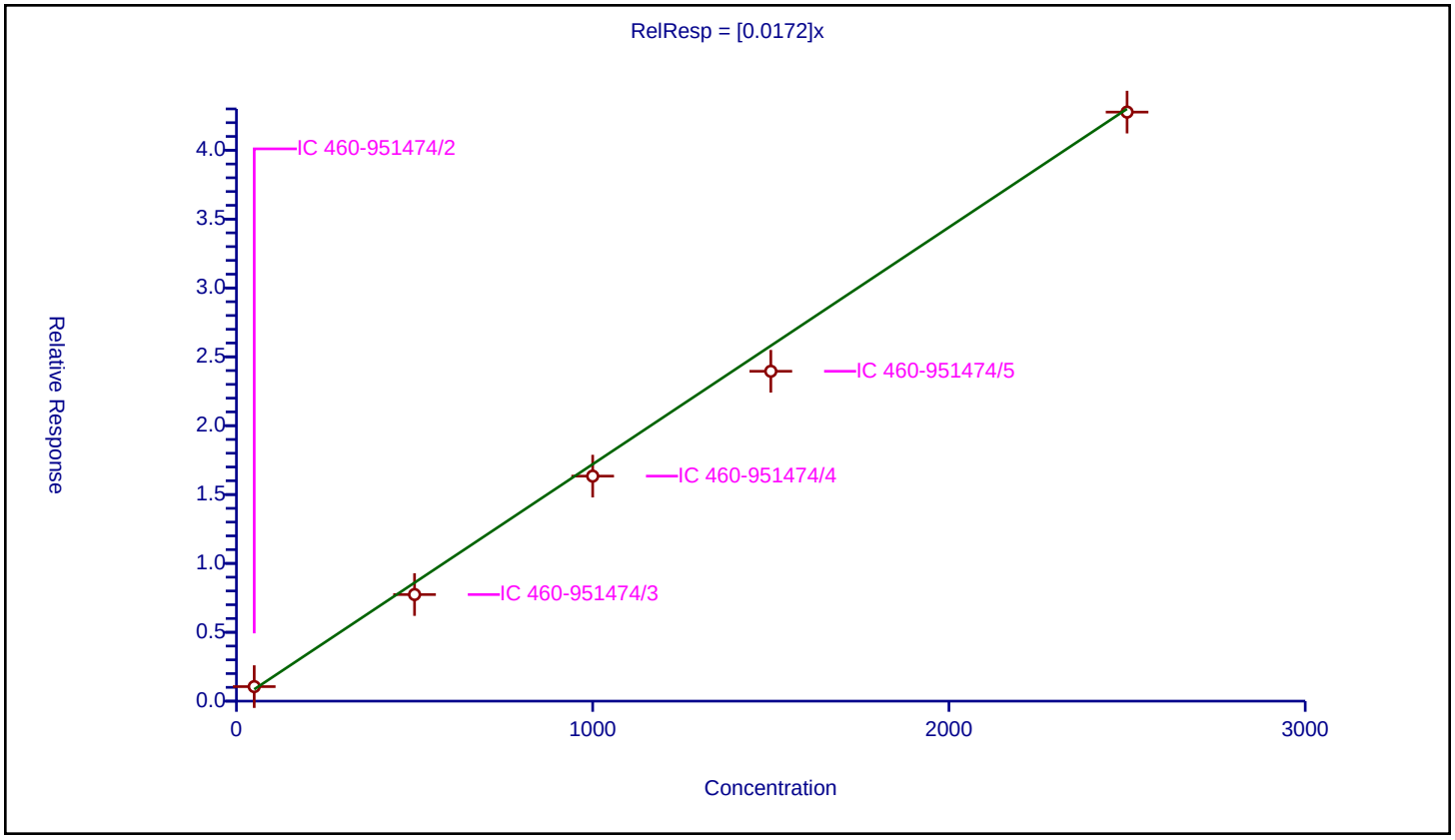
Curve Coefficients

Intercept:	0
Slope:	0.0172

Error Coefficients

Standard Error:	62200000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.05575	20.0	49355200.0	0.021115	Y
2	IC 460-951474/3	500.0	7.740105	20.0	51725903.0	0.01548	Y
3	IC 460-951474/4	1000.0	16.33794	20.0	46922711.0	0.016338	Y
4	IC 460-951474/5	1500.0	23.949748	20.0	49213391.0	0.015966	Y
5	IC 460-951474/6	2500.0	42.768654	20.0	47065532.0	0.017107	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

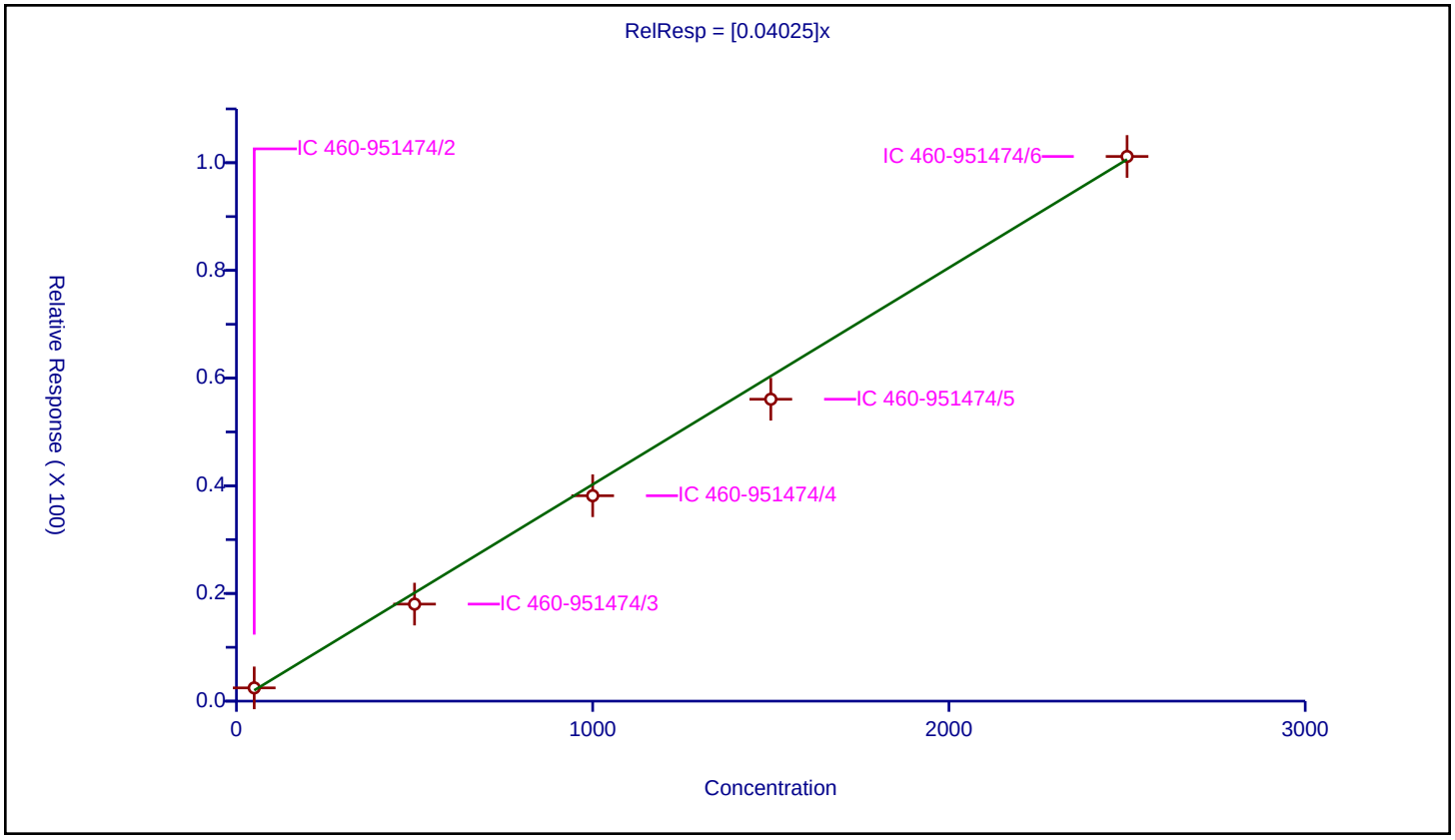
Curve Coefficients

Intercept:	0
Slope:	0.04025

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.45905	20.0	49355200.0	0.049181	Y
2	IC 460-951474/3	500.0	18.022027	20.0	51725903.0	0.036044	Y
3	IC 460-951474/4	1000.0	38.152451	20.0	46922711.0	0.038152	Y
4	IC 460-951474/5	1500.0	56.076661	20.0	49213391.0	0.037384	Y
5	IC 460-951474/6	2500.0	101.164485	20.0	47065532.0	0.040466	Y



Calibration / PCB-1260 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

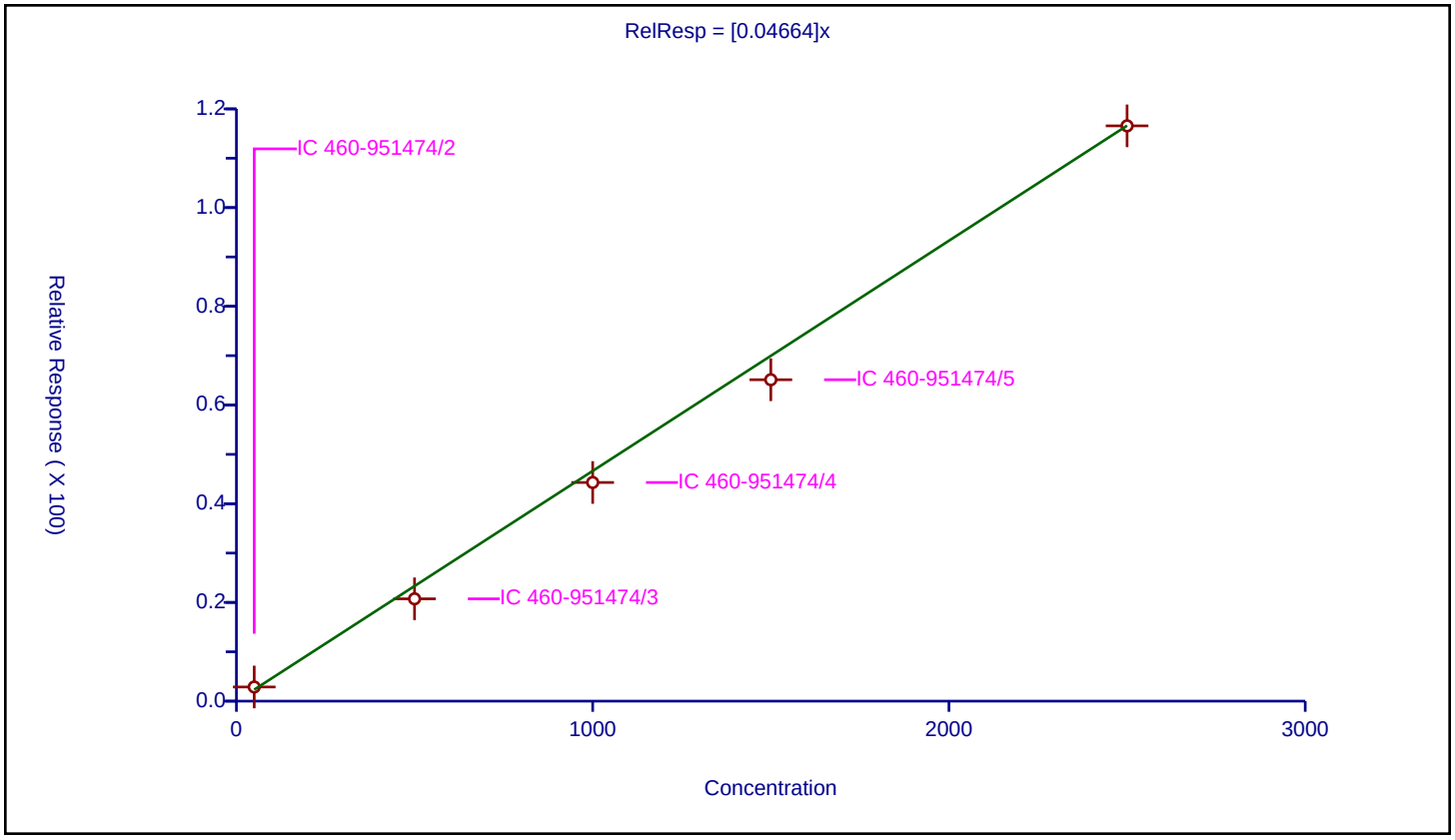
Curve Coefficients

Intercept:	0
Slope:	0.04664

Error Coefficients

Standard Error:	169000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.870508	20.0	49355200.0	0.05741	Y
2	IC 460-951474/3	500.0	20.729022	20.0	51725903.0	0.041458	Y
3	IC 460-951474/4	1000.0	44.304932	20.0	46922711.0	0.044305	Y
4	IC 460-951474/5	1500.0	65.122121	20.0	49213391.0	0.043415	Y
5	IC 460-951474/6	2500.0	116.560923	20.0	47065532.0	0.046624	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

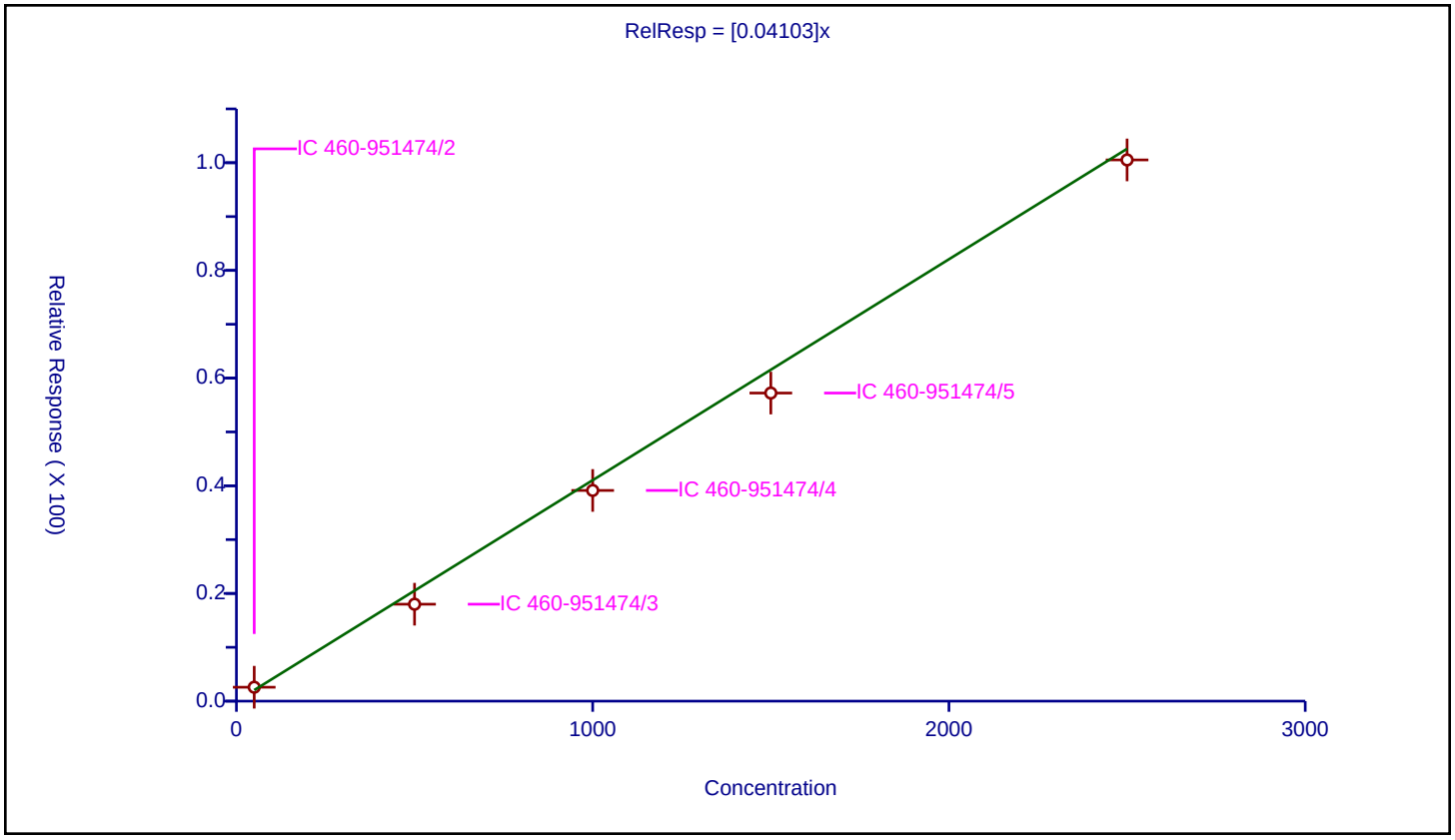
Curve Coefficients

Intercept:	0
Slope:	0.04103

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.5838	20.0	49355200.0	0.051676	Y
2	IC 460-951474/3	500.0	18.00468	20.0	51725903.0	0.036009	Y
3	IC 460-951474/4	1000.0	39.131825	20.0	46922711.0	0.039132	Y
4	IC 460-951474/5	1500.0	57.223003	20.0	49213391.0	0.038149	Y
5	IC 460-951474/6	2500.0	100.519746	20.0	47065532.0	0.040208	Y



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Calibration / PCB-1260 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

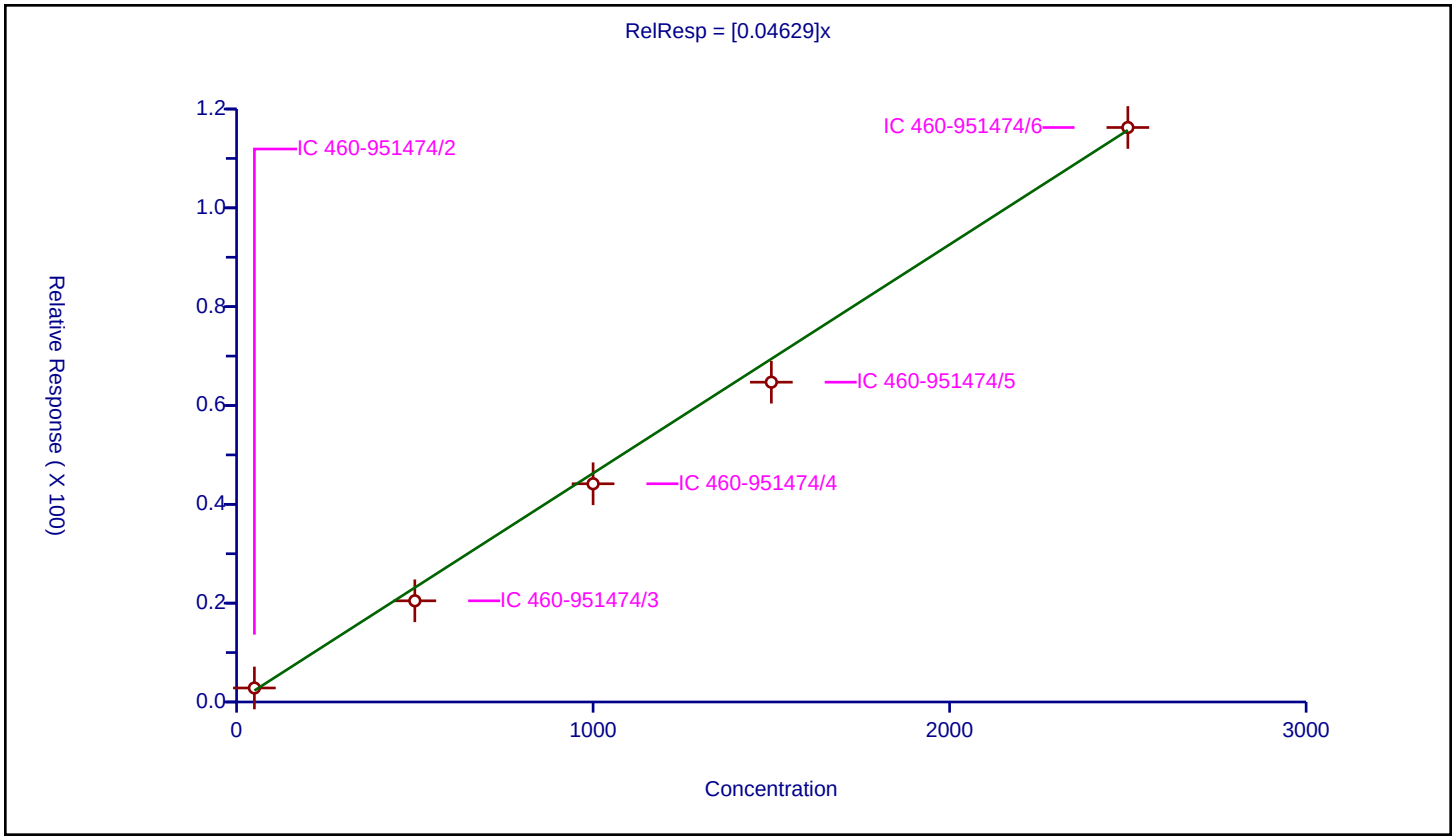
Curve Coefficients

Intercept:	0
Slope:	0.04629

Error Coefficients

Standard Error:	169000000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.833685	20.0	49355200.0	0.056674	Y
2	IC 460-951474/3	500.0	20.476894	20.0	51725903.0	0.040954	Y
3	IC 460-951474/4	1000.0	44.161401	20.0	46922711.0	0.044161	Y
4	IC 460-951474/5	1500.0	64.719144	20.0	49213391.0	0.043146	Y
5	IC 460-951474/6	2500.0	116.262417	20.0	47065532.0	0.046505	Y



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Calibration / PCB-1260 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

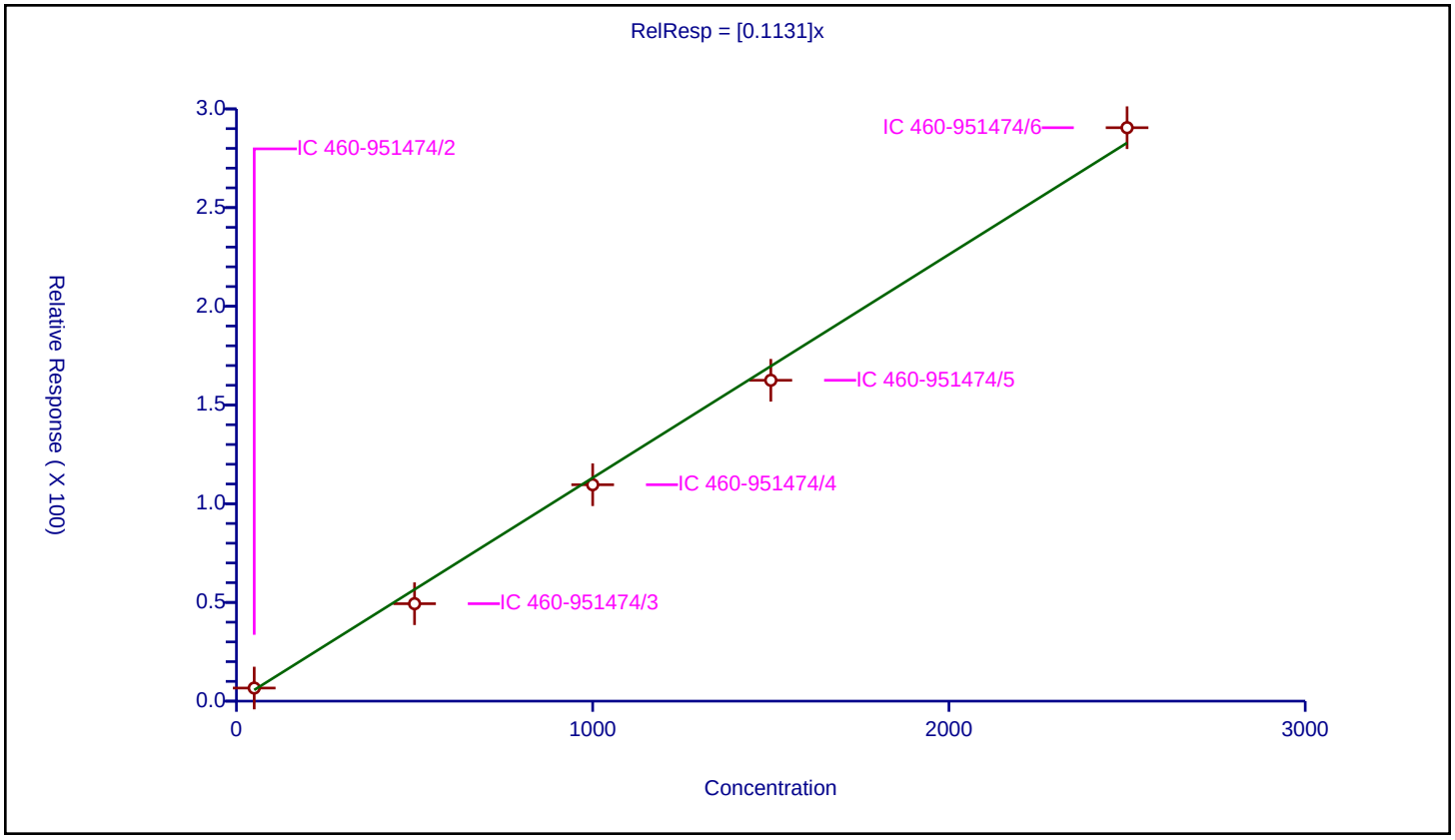
Curve Coefficients

Intercept:	0
Slope:	0.1131

Error Coefficients

Standard Error:	421000000
Relative Standard Error:	11.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	6.63568	20.0	49355200.0	0.132714	Y
2	IC 460-951474/3	500.0	49.356652	20.0	51725903.0	0.098713	Y
3	IC 460-951474/4	1000.0	109.62431	20.0	46922711.0	0.109624	Y
4	IC 460-951474/5	1500.0	162.538989	20.0	49213391.0	0.108359	Y
5	IC 460-951474/6	2500.0	290.473563	20.0	47065532.0	0.116189	Y



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Calibration / PCB-1260 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

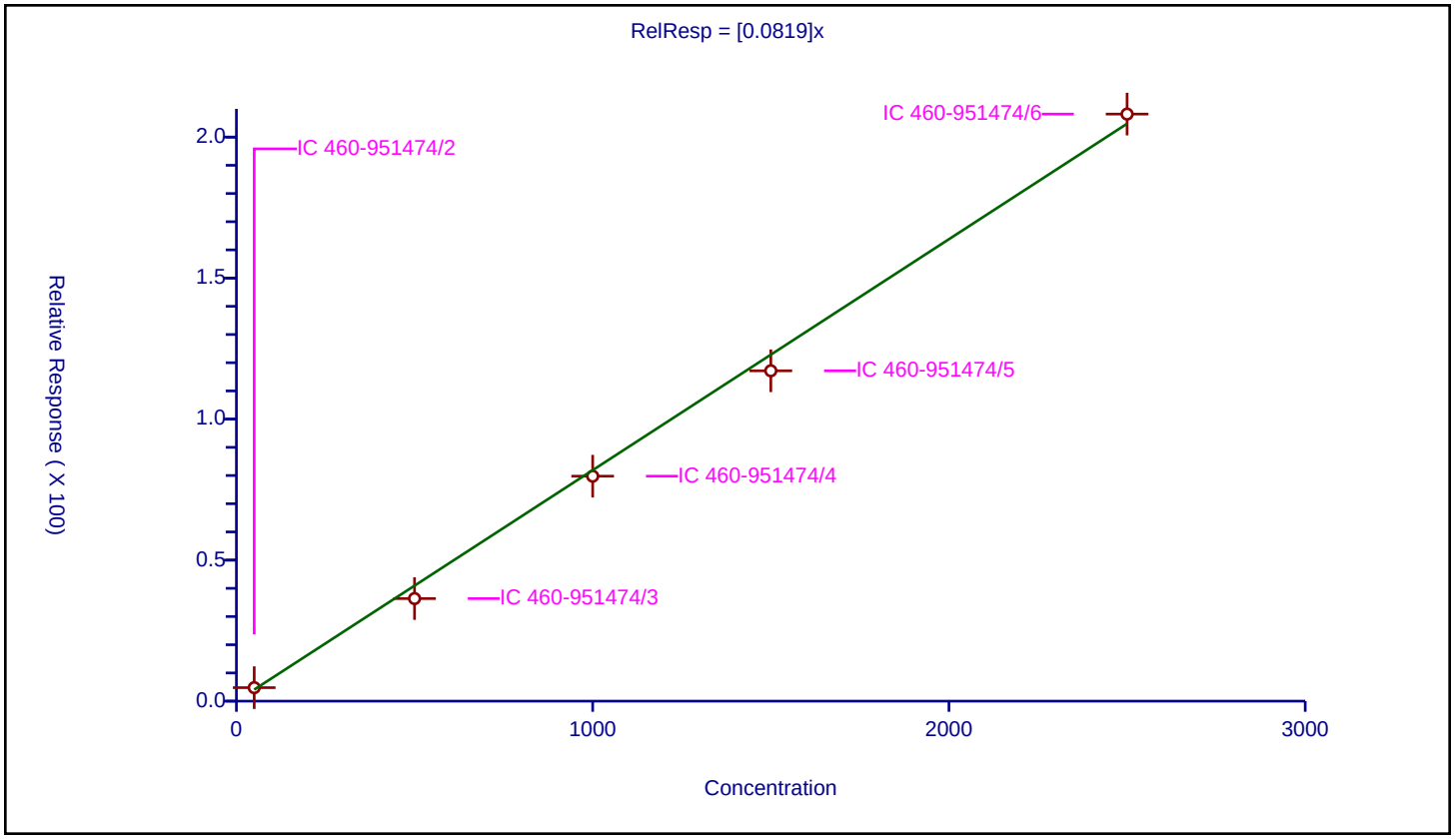
Curve Coefficients

Intercept:	0
Slope:	0.0819

Error Coefficients

Standard Error:	303000000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.780218	20.0	49355200.0	0.095604	Y
2	IC 460-951474/3	500.0	36.37667	20.0	51725903.0	0.072753	Y
3	IC 460-951474/4	1000.0	79.767773	20.0	46922711.0	0.079768	Y
4	IC 460-951474/5	1500.0	117.141908	20.0	49213391.0	0.078095	Y
5	IC 460-951474/6	2500.0	208.155828	20.0	47065532.0	0.083262	Y



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Calibration / PCB-1260 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

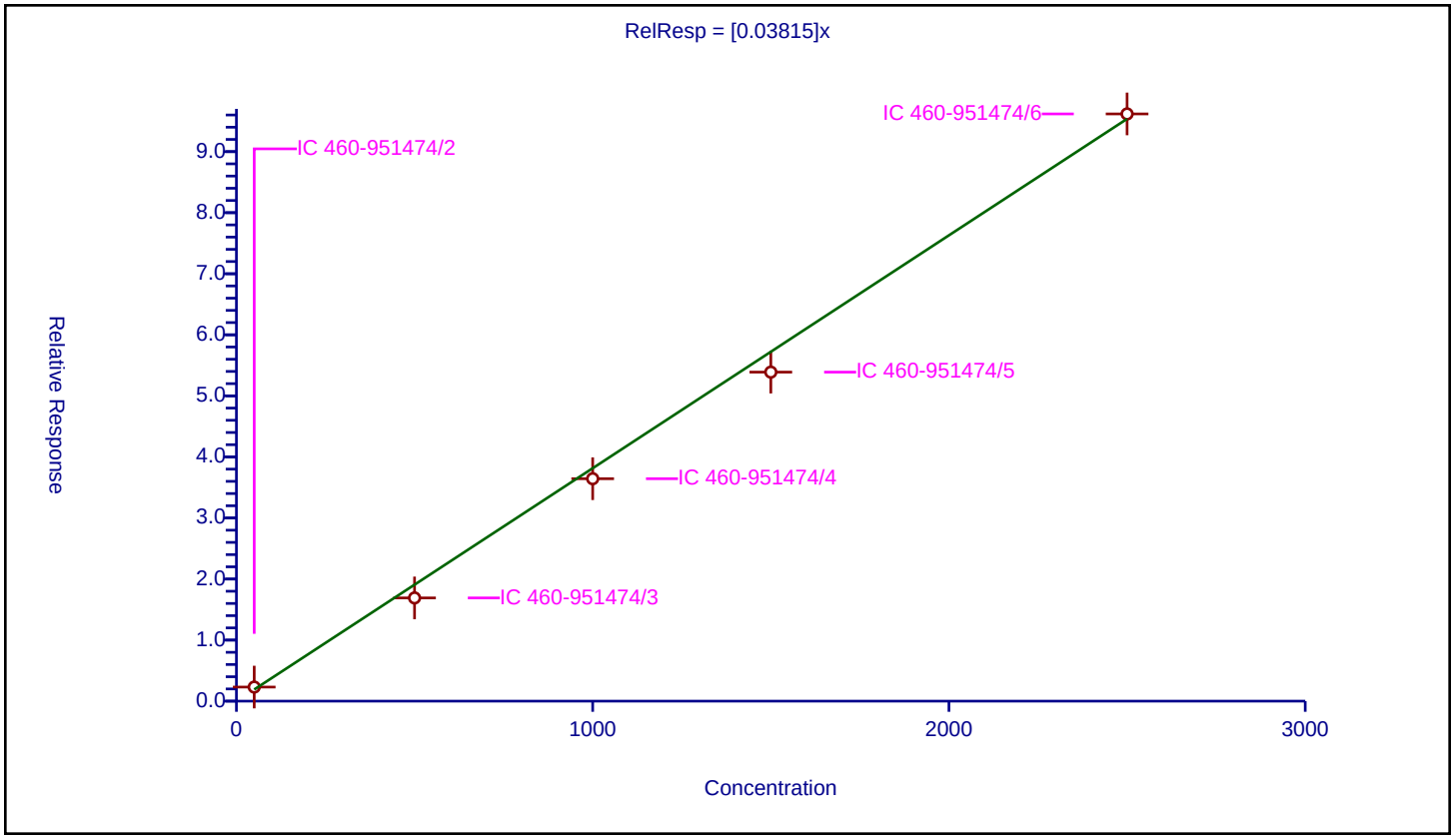
Curve Coefficients

Intercept:	0
Slope:	0.03815

Error Coefficients

Standard Error:	140000000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.304656	20.0	49355200.0	0.046093	Y
2	IC 460-951474/3	500.0	16.905656	20.0	51725903.0	0.033811	Y
3	IC 460-951474/4	1000.0	36.42979	20.0	46922711.0	0.03643	Y
4	IC 460-951474/5	1500.0	53.886899	20.0	49213391.0	0.035925	Y
5	IC 460-951474/6	2500.0	96.175313	20.0	47065532.0	0.03847	Y



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Calibration / DCB Decachlorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

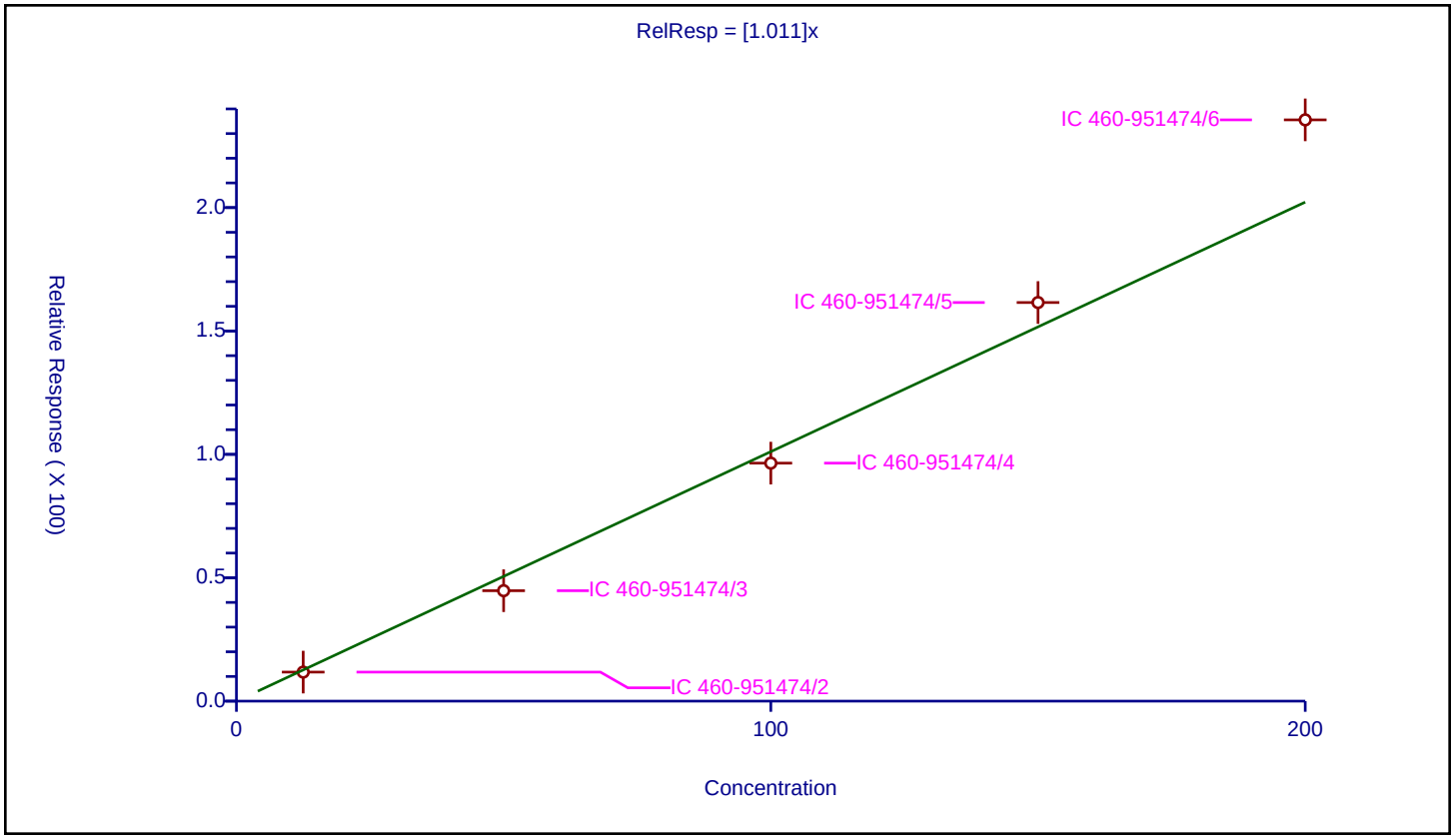
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Standard Error:	364000000
Relative Standard Error:	11.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	11.765089	20.0	49355200.0	0.941207	Y
2	IC 460-951474/3	50.0	44.748131	20.0	51725903.0	0.894963	Y
3	IC 460-951474/4	100.0	96.451518	20.0	46922711.0	0.964515	Y
4	IC 460-951474/5	150.0	161.539559	20.0	49213391.0	1.07693	Y
5	IC 460-951474/6	200.0	235.556275	20.0	47065532.0	1.177781	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 Calibration End Date: 12/21/2023 11:49 Calibration ID: 95503

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0277	0.0191	0.0190	0.0187	0.0188	Ave		0.0207				19.1		20.0			
PCB-1016 Peak 2	0.0478	0.0348	0.0352	0.0345	0.0358	Ave		0.0376				15.2		20.0			
PCB-1016 Peak 3	0.0307	0.0229	0.0232	0.0228	0.0238	Ave		0.0247				13.6		20.0			
PCB-1016 Peak 4	0.0938	0.0715	0.0748	0.0738	0.0781	Ave		0.0784				11.4		20.0			
PCB-1016 Peak 5	0.0401	0.0303	0.0313	0.0309	0.0323	Ave		0.0330				12.3		20.0			
PCB-1016 Peak 6	0.0258	0.0198	0.0204	0.0200	0.0212	Ave		0.0214				11.6		20.0			
PCB-1016 Peak 7	0.0431	0.0319	0.0330	0.0324	0.0341	Ave		0.0349				13.3		20.0			
PCB-1016 Peak 8	0.0221	0.0166	0.0171	0.0165	0.0174	Ave		0.0179				13.2		20.0			
PCB-1260 Peak 1	0.0604	0.0444	0.0461	0.0454	0.0479	Ave		0.0489				13.5		20.0			
PCB-1260 Peak 2	0.1091	0.0826	0.0861	0.0852	0.0905	Ave		0.0907				11.8		20.0			
PCB-1260 Peak 3	0.0714	0.0476	0.0494	0.0485	0.0509	Ave		0.0536				18.8		20.0			
PCB-1260 Peak 4	0.0943	0.0705	0.0737	0.0725	0.0772	Ave		0.0776				12.4		20.0			
PCB-1260 Peak 5	0.1569	0.1199	0.1252	0.1238	0.1330	Ave		0.1318				11.2		20.0			
PCB-1260 Peak 6	0.0736	0.0559	0.0593	0.0592	0.0635	Ave		0.0623				11.0		20.0			
PCB-1260 Peak 7	0.0516	0.0371	0.0384	0.0366	0.0400	Ave		0.0408				15.3		20.0			
PCB-1260 Peak 8	0.0519	0.0388	0.0407	0.0399	0.0422	Ave		0.0427				12.3		20.0			
Tetrachloro-m-xylene	1.0513	1.0126	1.0533	1.1437	1.2086	Ave		1.0939				7.3		20.0			
DCB Decachlorobiphenyl	1.1663	1.0926	1.1381	1.2396	1.3227	Ave		1.1919				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 | Calibration End Date: 12/21/2023 11:49 | Calibration ID: 95503

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	3200491	22958293	41884896	64815260	104352362	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	5524244	41797934	77726856	119318735	199021915	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	3539850	27565911	51159884	78998953	132030879	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	10829358	85984303	164994010	255716405	434027187	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	4636036	36390520	69128119	107163148	179208520	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2978735	23822245	44994626	69329168	117812356	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	4974778	38399439	72723528	112339722	189417239	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	2552839	19899410	37635743	57289261	96767755	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	6978450	53342244	101848674	157238116	266073473	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	12601178	99307697	189924625	295202221	502608175	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	8244513	57274670	108924962	167948393	282681716	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	10887512	84681801	162749449	250900168	429083691	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	18113436	144115380	276360904	428745288	739043428	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	8499354	67204169	130895833	204960821	352803265	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	5960601	44578763	84824554	126768566	222352921	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	5988575	46674372	89824699	138158043	234466761	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	30347867	121712420	232452088	396057695	537208471	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	33668369	131326715	251179173	429271339	587905962	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Dec-2023 10:43:02 ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:11:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49355200	20.0	20.0	M
2	1.227	1.227	0.000	46187507	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	21883422	12.5	11.3	M
2	1.830	1.829	0.001	30347867	12.5	12.0	
						RPD = 6.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	2188151	50.0	62.9	M
1	3.402	3.403	-0.001	4223694	50.0	64.3	M
1	3.947	3.947	0.000	9297948	50.0	62.6	M
1	4.112	4.111	0.001	4136964	50.0	64.0	M
1	4.237	4.238	-0.001	3282683	50.0	62.5	M
1	4.688	4.689	-0.001	2867020	50.0	61.0	M
1	4.837	4.838	-0.001	3410303	50.0	59.0	M
1	5.204	5.204	0.000	2365617	50.0	60.6	M
		Average of Peak Amounts =				62.1	
2	2.188	2.189	-0.001	3200491	50.0	67.1	
2	2.549	2.549	0.000	5524244	50.0	63.6	M
2	2.750	2.750	0.000	3539850	50.0	62.1	M
2	3.029	3.030	-0.001	10829358	50.0	59.8	M
2	3.176	3.176	0.000	4636036	50.0	60.9	M
2	3.242	3.242	0.000	2978735	50.0	60.1	M
2	3.633	3.633	0.000	4974778	50.0	61.7	M
2	4.062	4.062	0.000	2552839	50.0	61.6	M
		Average of Peak Amounts =				62.1	
						RPD = 0.02	
8 PCB-1260							M
1	6.107	6.108	-0.001	2605337	50.0	61.4	
1	6.346	6.346	0.000	6068344	50.0	61.1	M
1	6.677	6.679	-0.002	7083725	50.0	61.5	
1	7.454	7.455	-0.001	6376198	50.0	63.0	
1	8.017	8.015	0.002	6992854	50.0	61.2	
1	8.544	8.544	0.000	16375265	50.0	58.7	
1	9.348	9.350	-0.002	11796431	50.0	58.4	M
1	10.236	10.236	0.000	5687339	50.0	60.4	
		Average of Peak Amounts =				60.7	
2	5.026	5.026	0.000	6978450	50.0	61.9	
2	5.350	5.351	-0.001	12601178	50.0	60.2	
2	5.842	5.841	0.001	8244513	50.0	66.7	
2	6.167	6.166	0.001	10887512	50.0	60.7	
2	6.631	6.628	0.003	18113436	50.0	59.5	
2	7.069	7.072	-0.003	8499354	50.0	59.1	
2	7.223	7.219	0.004	5960601	50.0	63.3	
2	8.232	8.233	-0.001	5988575	50.0	60.7	
		Average of Peak Amounts =				61.5	
						RPD = 1.31	
$ 11 DCB Decachlorobiphenyl							M
1	10.857	10.856	0.001	29033415	12.5	11.6	M
2	9.240	9.242	-0.002	33668369	12.5	12.2	
						RPD = 4.99	
S 12 Polychlorinated biphenyls, Total							
1						122.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

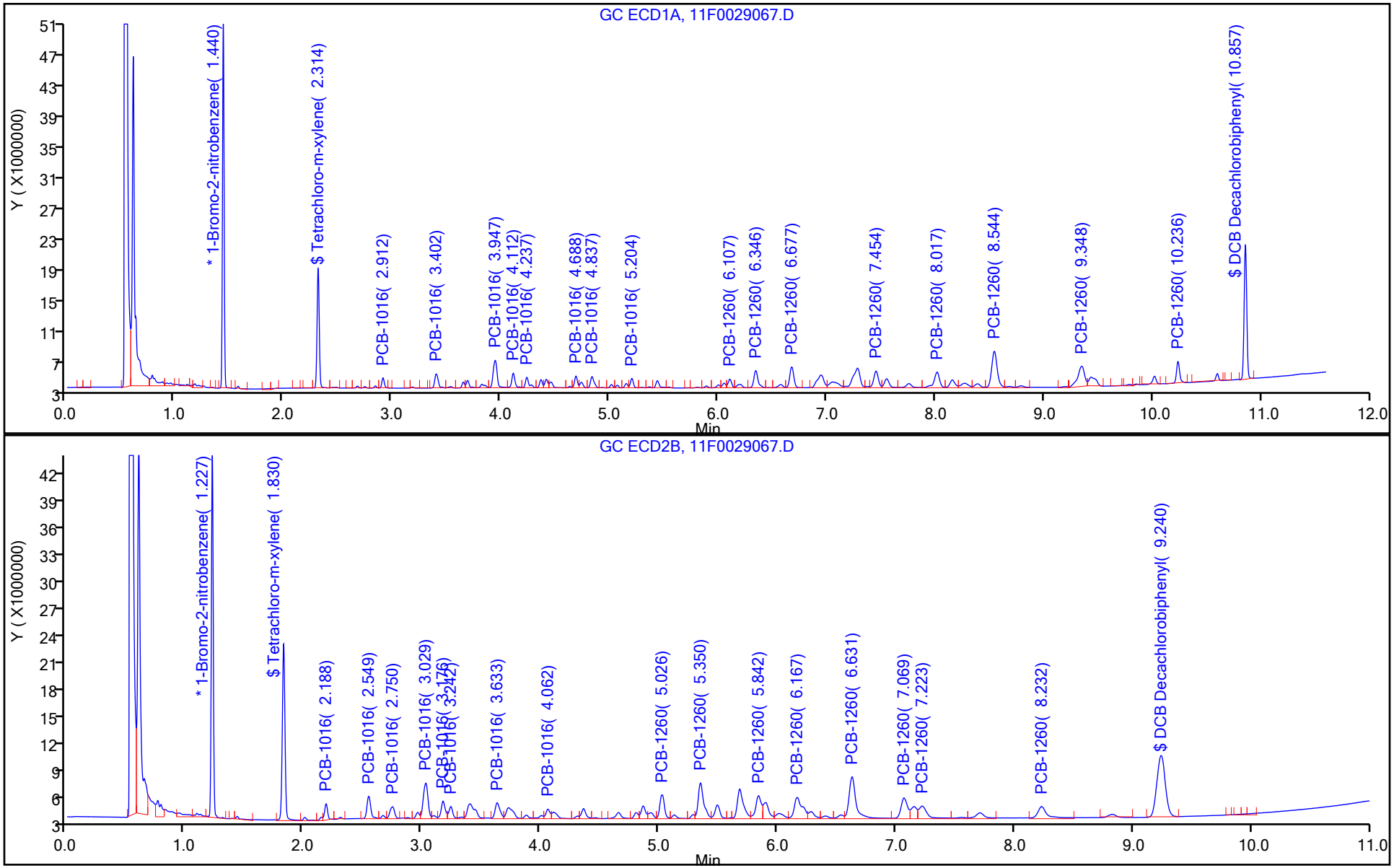
SG1660L1_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D

Injection Date:	21-Dec-2023 10:43:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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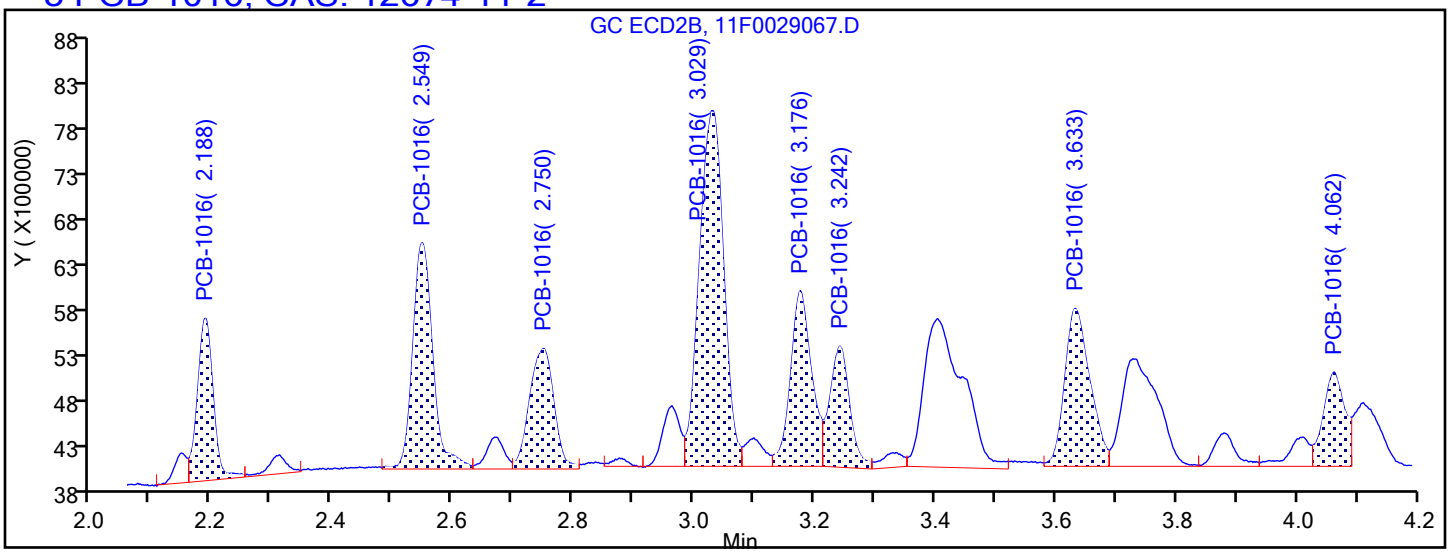
12:01:22 PM

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

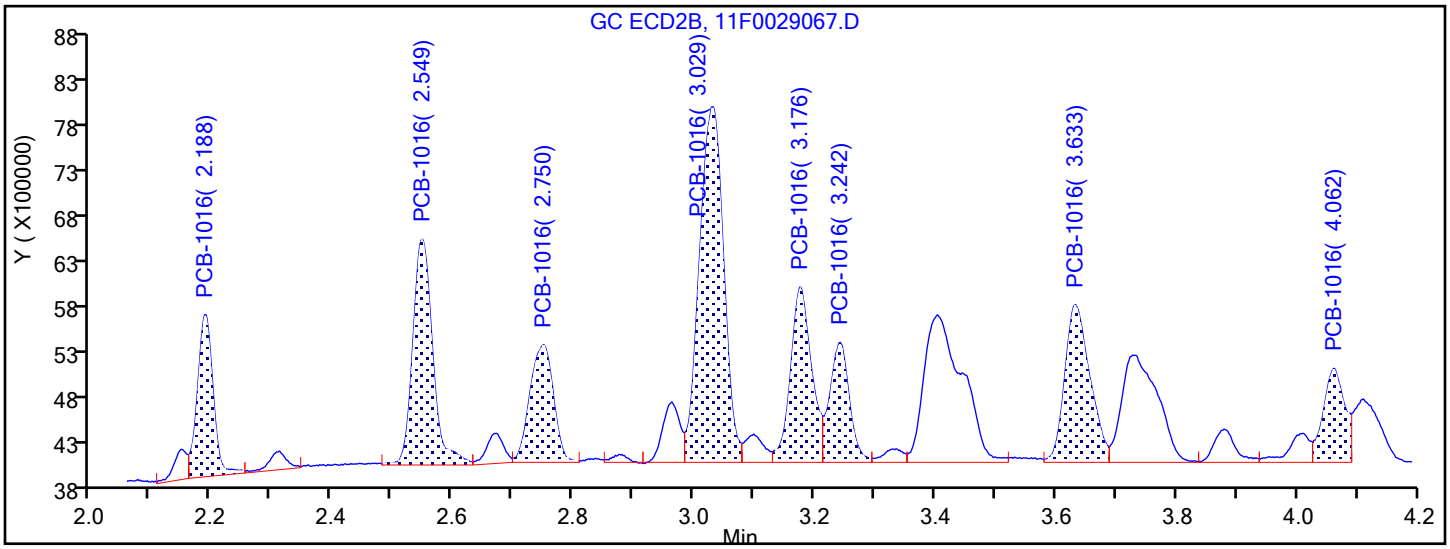
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.188	Response = 3200491
2.549	Response = 5579942
2.750	Response = 3585961
3.029	Response = 10873100
3.176	Response = 4685271
3.242	Response = 3033517
3.633	Response = 5060792
4.062	Response = 2575323



Manual Integration Results

2.188	Response = 3200491	
2.549	Response = 5524244	M
2.750	Response = 3539850	M
3.029	Response = 10829358	M
3.176	Response = 4636036	M
3.242	Response = 2978735	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Dec-2023 10:59:42 ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:21 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	51725903	20.0	20.0	M
2	1.227	1.227	0.000	48079830	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	90034277	50.0	44.3	
2	1.830	1.829	0.001	121712420	50.0	46.3	M
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	16255093	500.0	445.9	
1	3.402	3.403	-0.001	31454328	500.0	457.0	M
1	3.946	3.947	-0.001	68510953	500.0	440.0	M
1	4.112	4.111	0.001	29919270	500.0	442.0	M
1	4.237	4.238	-0.001	24414583	500.0	443.4	M
1	4.690	4.689	0.001	22124788	500.0	448.9	
1	4.836	4.838	-0.002	27314829	500.0	450.8	
1	5.205	5.204	0.001	18495863	500.0	451.9	
		Average of Peak Amounts =				447.5	
2	2.189	2.189	0.000	22958293	500.0	462.3	M
2	2.549	2.549	0.000	41797934	500.0	462.1	M
2	2.750	2.750	0.000	27565911	500.0	464.8	M
2	3.031	3.030	0.001	85984303	500.0	456.2	M
2	3.176	3.176	0.000	36390520	500.0	458.9	M
2	3.243	3.242	0.001	23822245	500.0	462.1	M
2	3.634	3.633	0.001	38399439	500.0	457.6	M
2	4.061	4.062	-0.001	19899410	500.0	461.5	M
		Average of Peak Amounts =				460.7	
						RPD = 2.91	
8 PCB-1260							M
1	6.107	6.108	-0.001	20018197	500.0	450.0	M
1	6.346	6.346	0.000	46610282	500.0	447.8	M
1	6.676	6.679	-0.003	53611368	500.0	444.4	M
1	7.454	7.455	-0.001	46565417	500.0	438.8	M
1	8.014	8.015	-0.001	52959292	500.0	442.4	M
1	8.544	8.544	0.000	127650869	500.0	436.3	M
1	9.347	9.350	-0.003	94080806	500.0	444.2	M
1	10.237	10.236	0.001	43723017	500.0	443.2	
		Average of Peak Amounts =				443.4	
2	5.025	5.026	-0.001	53342244	500.0	454.2	M
2	5.350	5.351	-0.001	99307697	500.0	455.4	M
2	5.840	5.841	-0.001	57274670	500.0	444.9	M
2	6.166	6.166	0.000	84681801	500.0	453.7	M
2	6.629	6.628	0.001	144115380	500.0	455.0	M
2	7.070	7.072	-0.002	67204169	500.0	448.7	M
2	7.225	7.219	0.006	44578763	500.0	455.0	M
2	8.227	8.233	-0.006	46674372	500.0	454.7	
		Average of Peak Amounts =				452.7	
						RPD = 2.08	
$ 11 DCB Decachlorobiphenyl							M
1	10.856	10.856	0.000	115731873	50.0	44.3	M
2	9.240	9.242	-0.002	131326715	50.0	45.8	
						RPD = 3.50	
S 12 Polychlorinated biphenyls, Total							
1						890.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

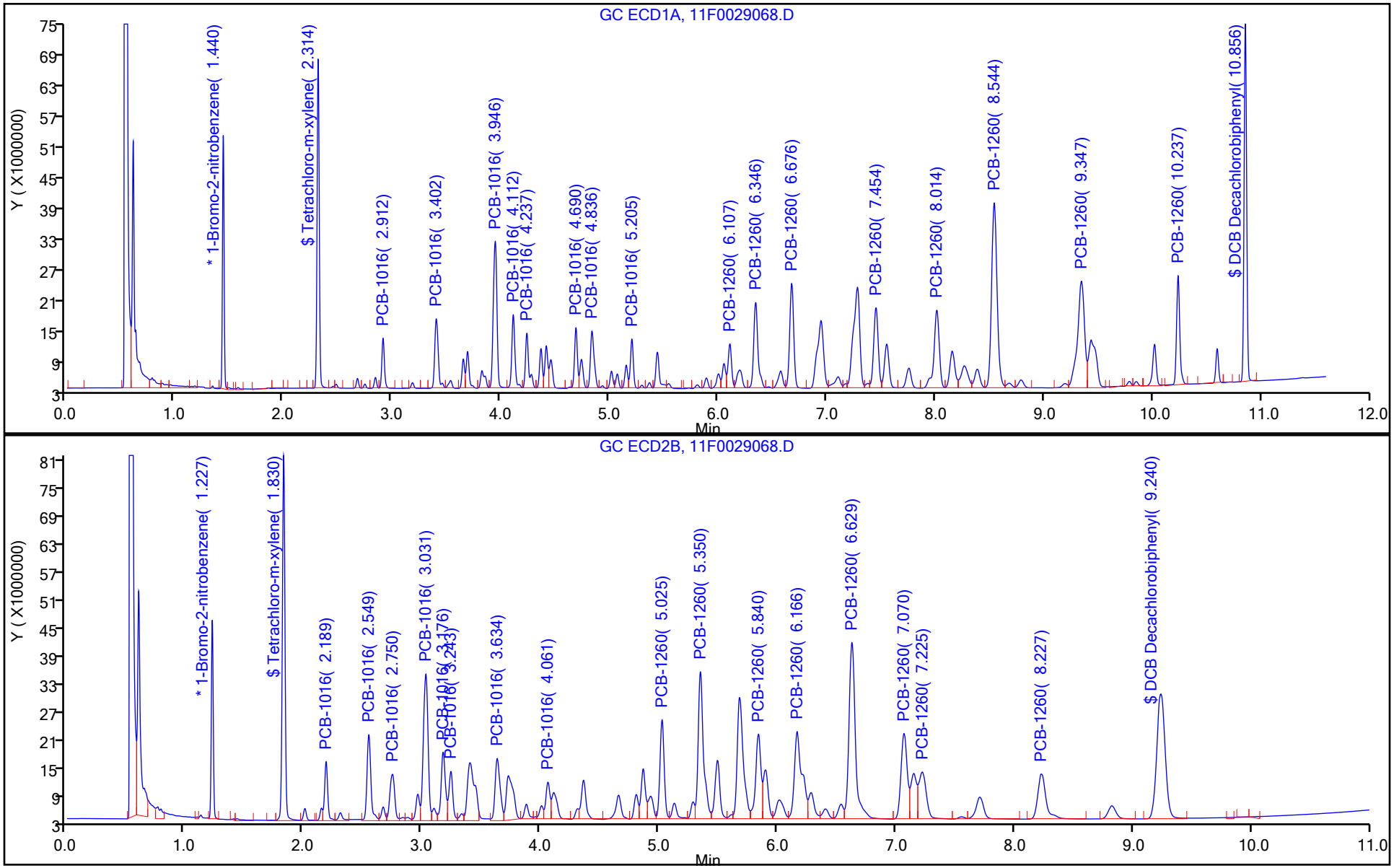
SG1660L2_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D

Injection Date:	21-Dec-2023 10:59:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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Manual Integration/User Assign Peak Report

Eurofins Edison

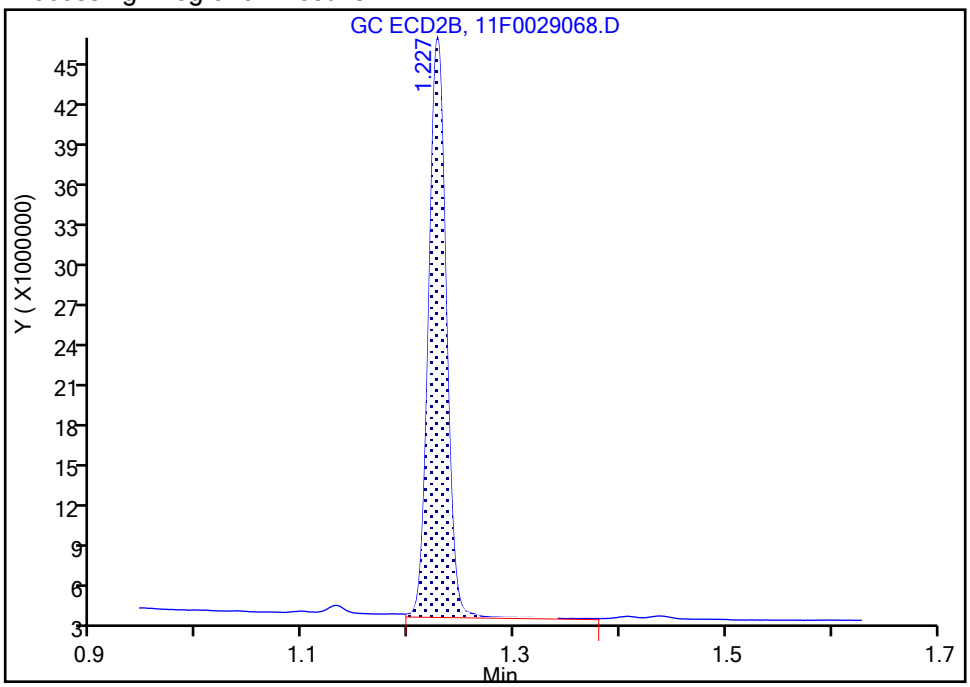
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

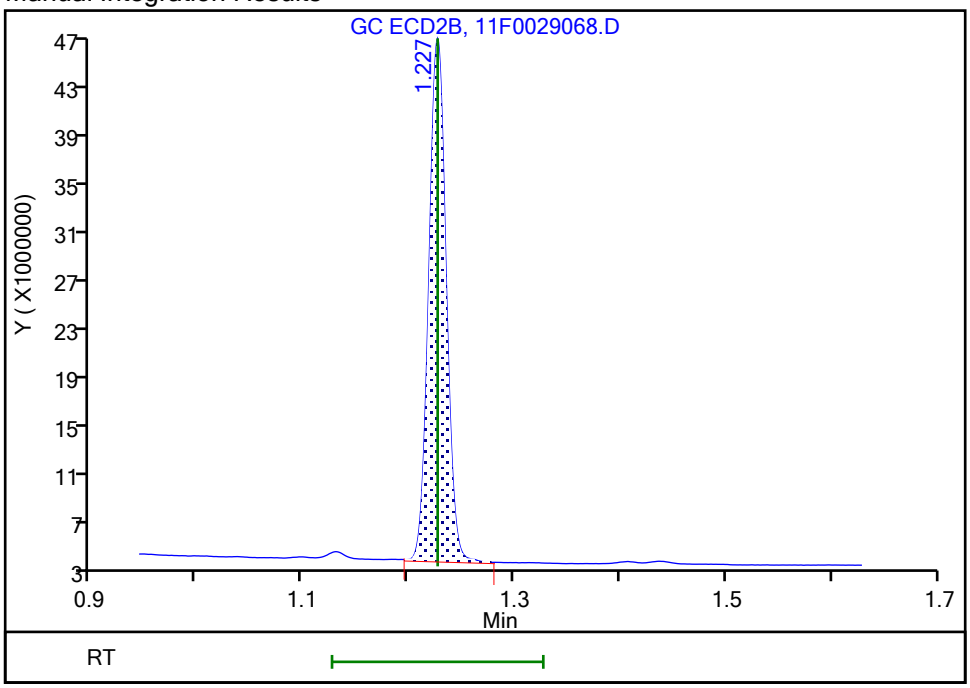
Processing Integration Results

RT: 1.23
Area: 48301212
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 48079830
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:38:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

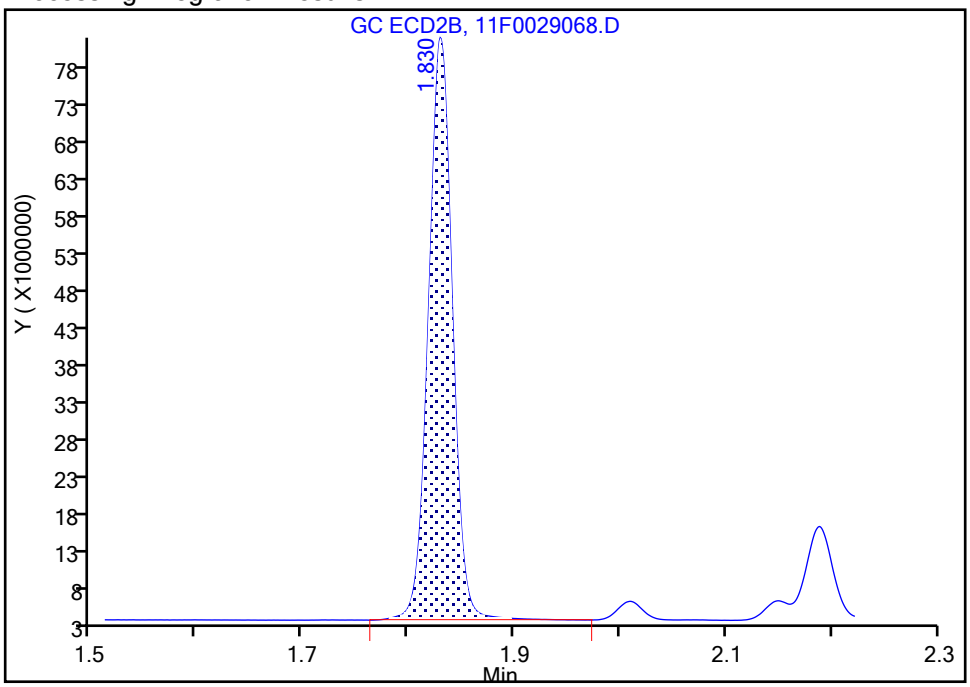
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

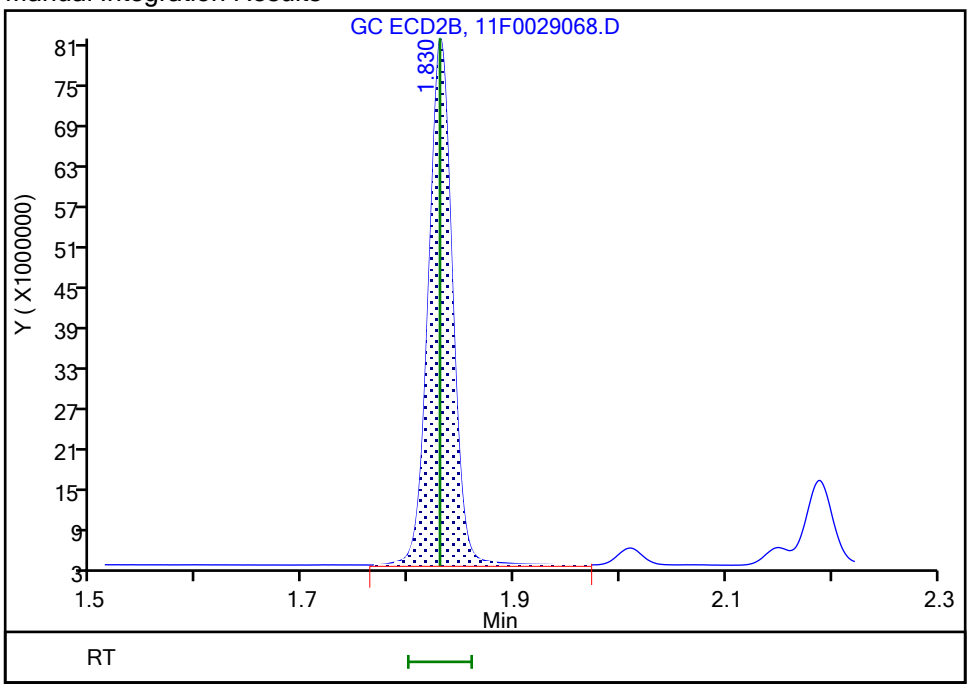
Processing Integration Results

RT: 1.83
Area: 121481090
Amount: 48.621501
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 121712420
Amount: 46.283432
Amount Units: ug/l



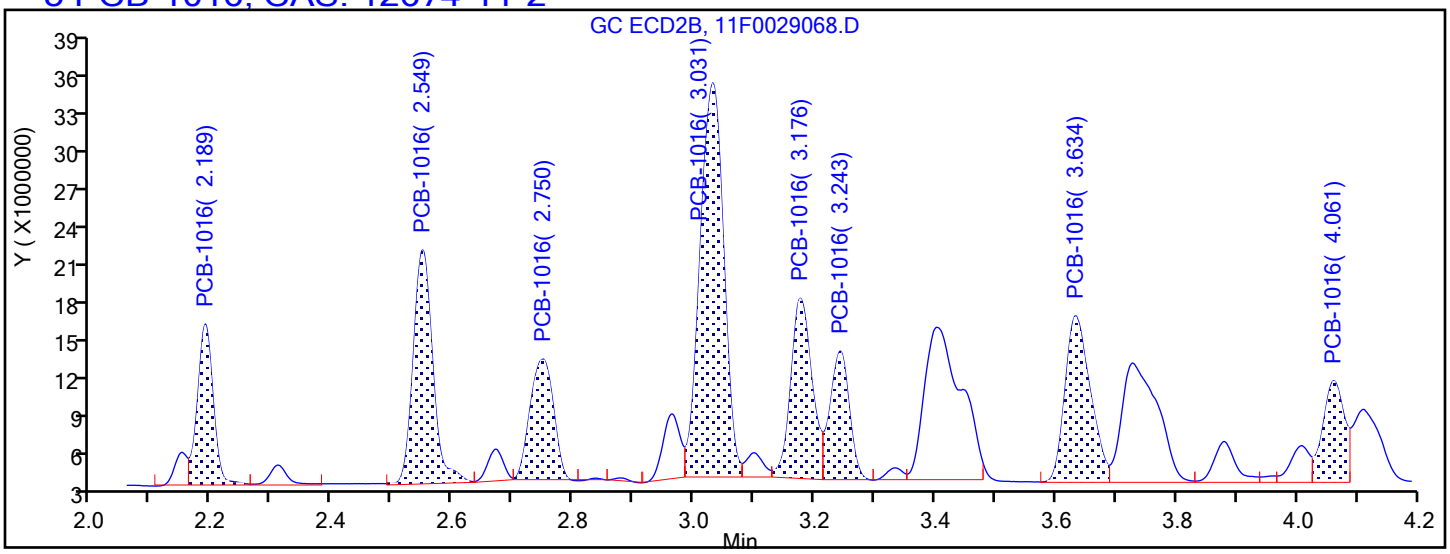
Reviewer: OR9X, 21-Dec-2023 11:37:34 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

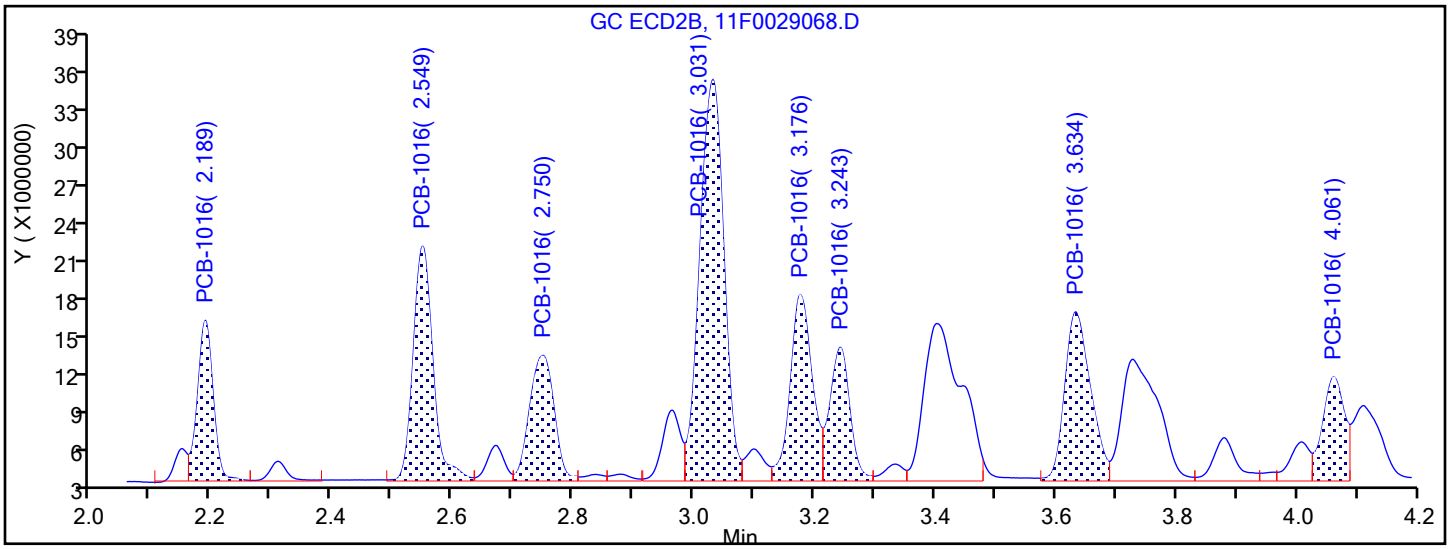
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 22698253
2.549	Response = 39956810
2.750	Response = 24995764
3.031	Response = 83003724
3.176	Response = 33930346
3.243	Response = 21811002
3.634	Response = 37345799
4.061	Response = 19600794



Manual Integration Results

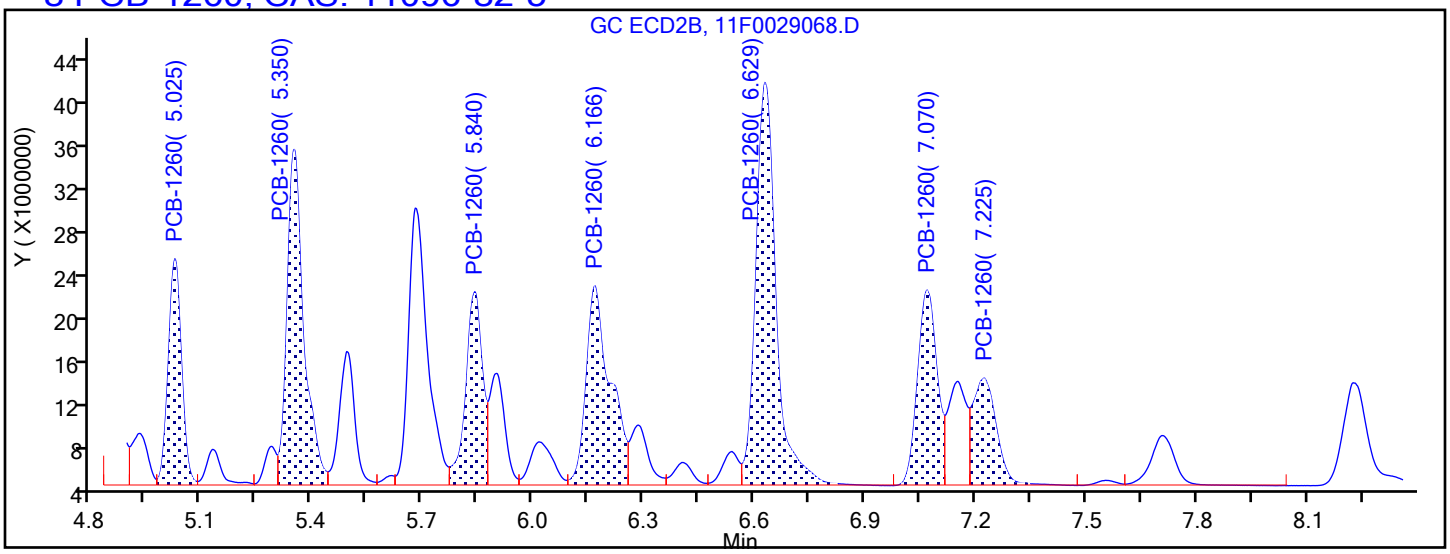
2.189	Response = 22958293	M
2.549	Response = 41797934	M
2.750	Response = 27565911	M
3.031	Response = 85984303	M
3.176	Response = 36390520	M
3.243	Response = 23822245	M

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

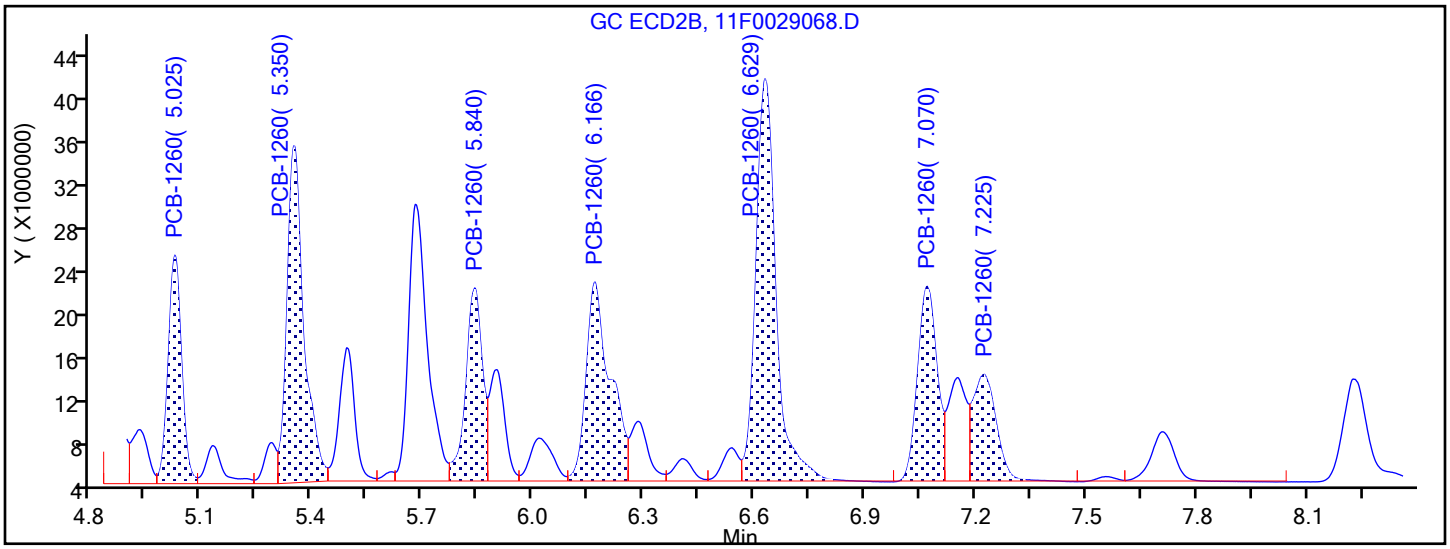
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 52484501
5.350	Response = 98127882
5.840	Response = 56361201
6.166	Response = 83320846
6.629	Response = 142503081
7.070	Response = 67006470
7.225	Response = 44102046
8.227	Response = 46674372



Manual Integration Results

5.025	Response = 53342244	M
5.350	Response = 99307697	M
5.840	Response = 57274670	M
6.166	Response = 84681801	M
6.629	Response = 144115380	M
7.070	Response = 67204169	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Lims ID: IC PCB
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 21-Dec-2023 11:16:24 ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:29 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	46922711	20.0	20.0	
2	1.227	1.227	0.000	44138313	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	178455651	100.0	96.9	
2	1.829	1.829	0.000	232452088	100.0	96.3	M
						RPD = 0.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	30989753	1000.0	937.0	
1	3.403	3.403	0.000	56549644	1000.0	905.7	M
1	3.947	3.947	0.000	132034521	1000.0	934.8	M
1	4.111	4.111	0.000	57209078	1000.0	931.6	M
1	4.238	4.238	0.000	46733399	1000.0	935.6	M
1	4.689	4.689	0.000	42162642	1000.0	943.0	M
1	4.838	4.838	0.000	52500353	1000.0	955.2	M
1	5.204	5.204	0.000	35192510	1000.0	947.8	M
		Average of Peak Amounts =				936.3	
2	2.189	2.189	0.000	41884896	1000.0	918.7	
2	2.549	2.549	0.000	77726856	1000.0	936.1	M
2	2.750	2.750	0.000	51159884	1000.0	939.7	M
2	3.030	3.030	0.000	164994010	1000.0	953.5	M
2	3.176	3.176	0.000	69128119	1000.0	949.5	M
2	3.242	3.242	0.000	44994626	1000.0	950.7	M
2	3.633	3.633	0.000	72723528	1000.0	944.1	M
2	4.062	4.062	0.000	37635743	1000.0	950.8	M
		Average of Peak Amounts =				942.9	
						RPD = 0.70	
8 PCB-1260							M
1	6.108	6.108	0.000	38331023	1000.0	949.8	M
1	6.346	6.346	0.000	89510822	1000.0	948.0	M
1	6.679	6.679	0.000	103945376	1000.0	949.9	M
1	7.455	7.455	0.000	91808566	1000.0	953.6	M
1	8.015	8.015	0.000	103608632	1000.0	954.1	M
1	8.544	8.544	0.000	257193492	1000.0	969.1	M
1	9.350	9.350	0.000	187146008	1000.0	974.0	M
1	10.236	10.236	0.000	85469226	1000.0	955.0	
		Average of Peak Amounts =				956.7	
2	5.026	5.026	0.000	101848674	1000.0	944.7	M
2	5.351	5.351	0.000	189924625	1000.0	948.8	M
2	5.841	5.841	0.000	108924962	1000.0	921.6	M
2	6.166	6.166	0.000	162749449	1000.0	949.9	M
2	6.628	6.628	0.000	276360904	1000.0	950.4	M
2	7.072	7.072	0.000	130895833	1000.0	952.0	
2	7.219	7.219	0.000	84824554	1000.0	943.1	
2	8.233	8.233	0.000	89824699	1000.0	953.2	
		Average of Peak Amounts =				945.5	
						RPD = 1.18	
$ 11 DCB Decachlorobiphenyl							
1	10.856	10.856	0.000	226288336	100.0	95.4	
2	9.242	9.242	0.000	251179173	100.0	95.5	
						RPD = 0.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

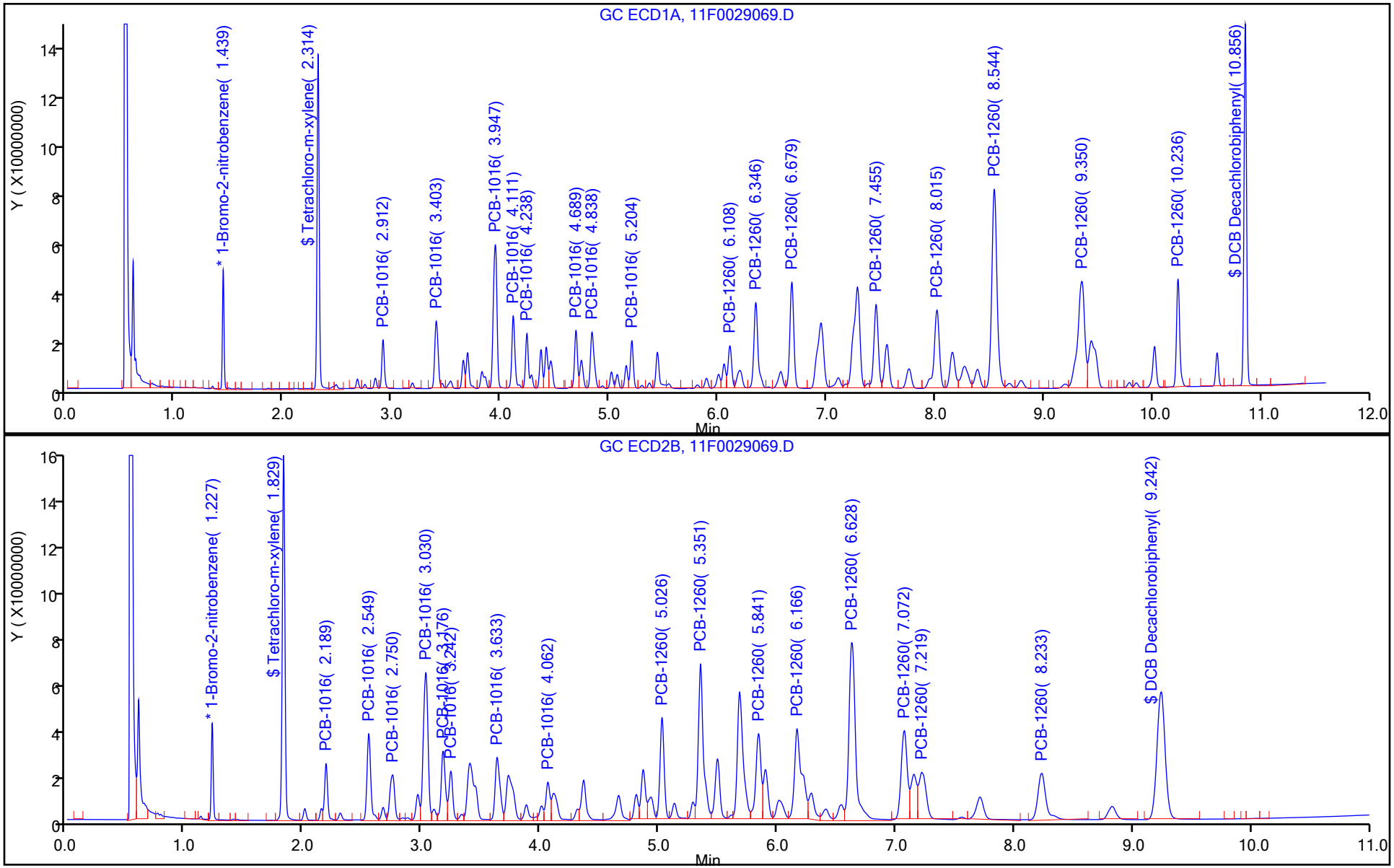
SG1260ResPCB_00002	Amount Added:	1.00	Units: mL	
SG1660L3_00043	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D

Injection Date:	21-Dec-2023 11:16:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

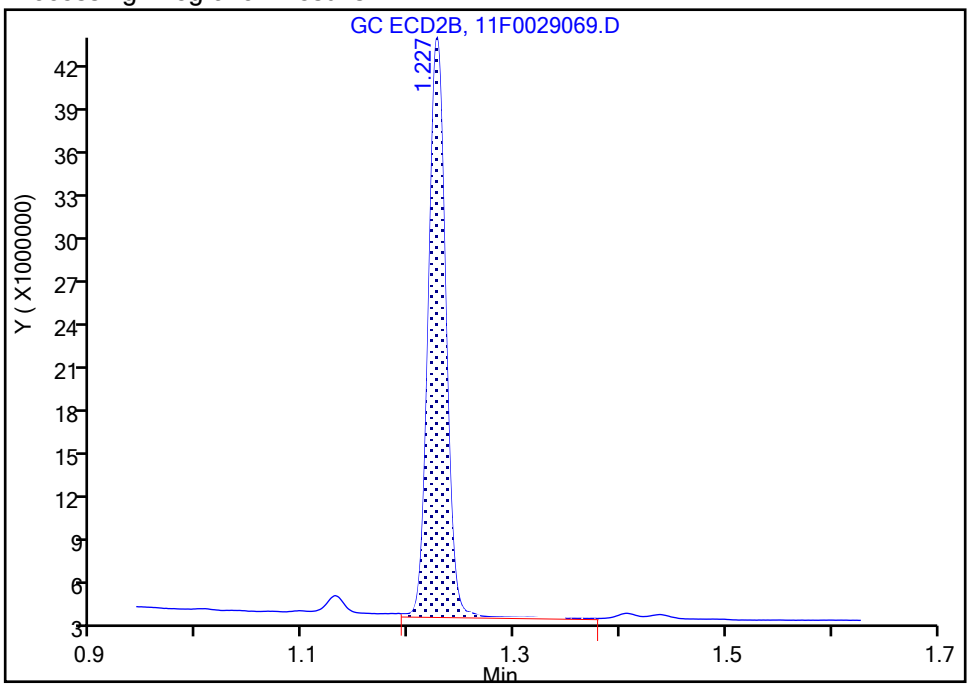
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

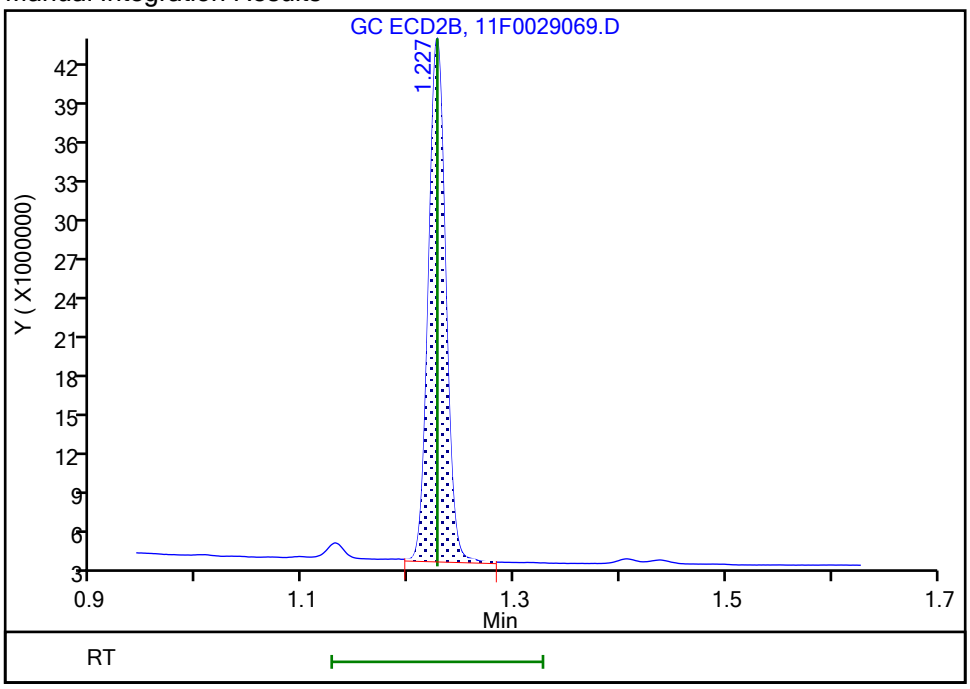
Processing Integration Results

RT: 1.23
Area: 44307664
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44138313
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:38:42 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

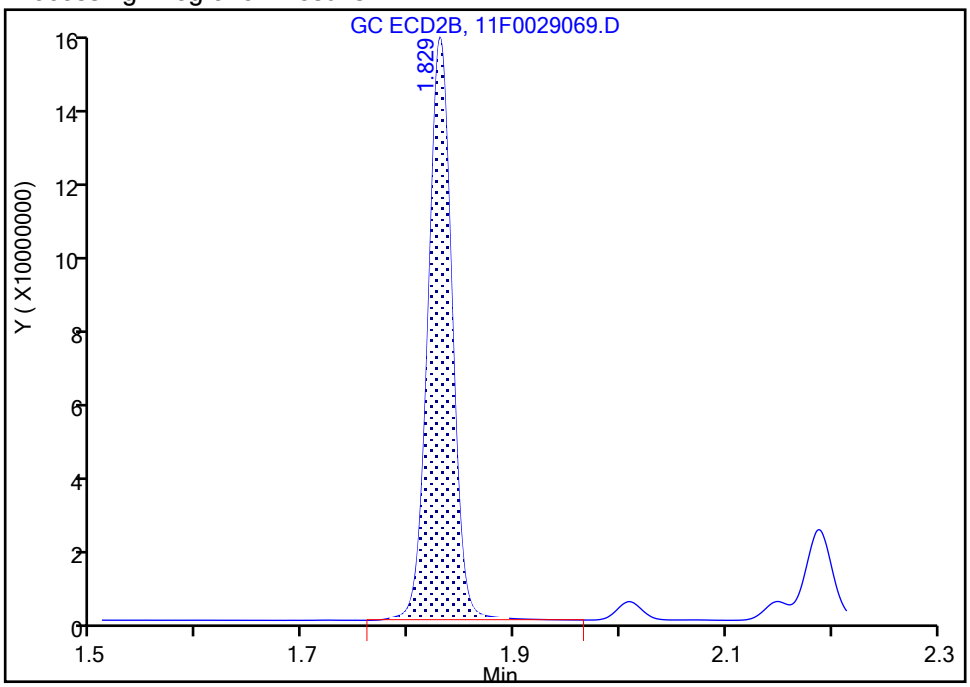
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

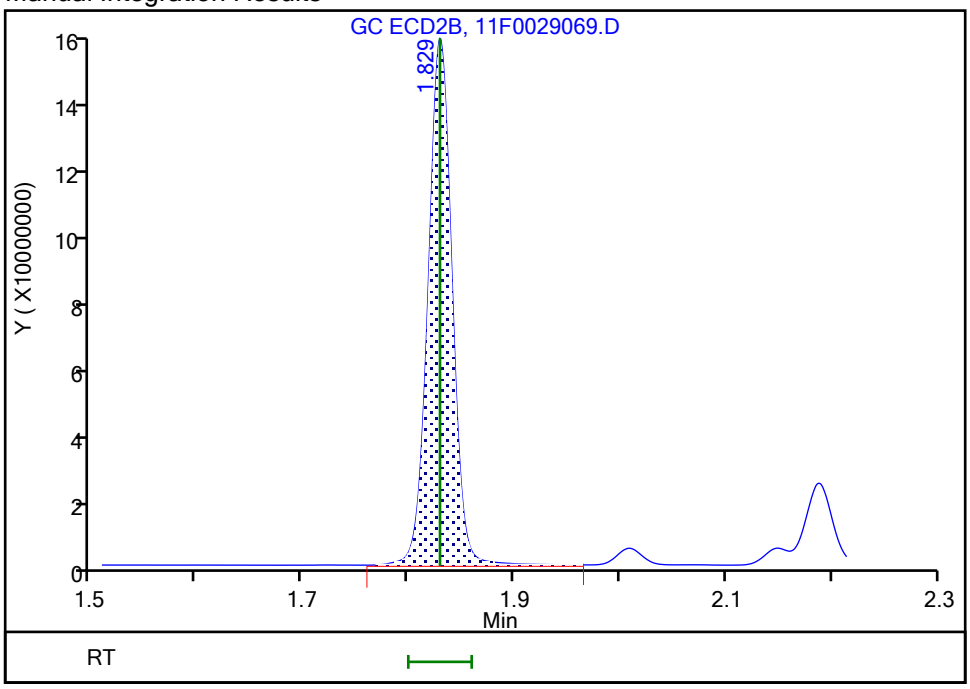
Processing Integration Results

RT: 1.83
Area: 231803017
Amount: 100.9256
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 232452088
Amount: 96.287809
Amount Units: ug/l



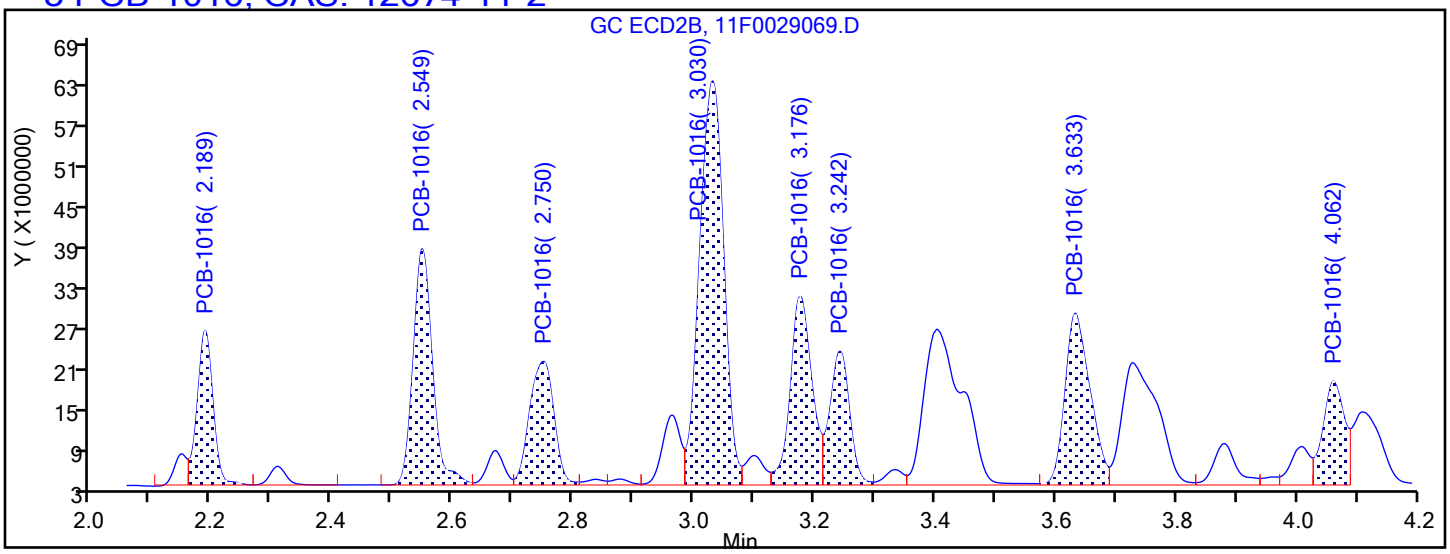
Reviewer: OR9X, 21-Dec-2023 11:38:31 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

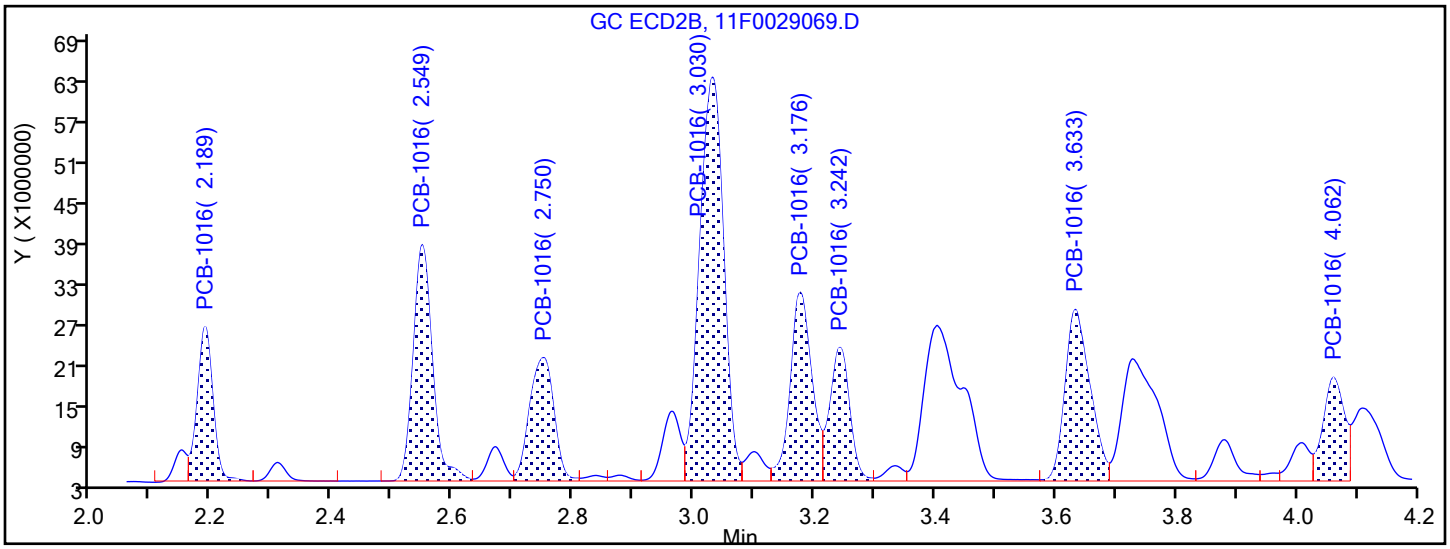
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 41884896
2.549	Response = 77266191
2.750	Response = 50696458
3.030	Response = 164514161
3.176	Response = 68674540
3.242	Response = 44543835
3.633	Response = 72050289
4.062	Response = 37226087



Manual Integration Results

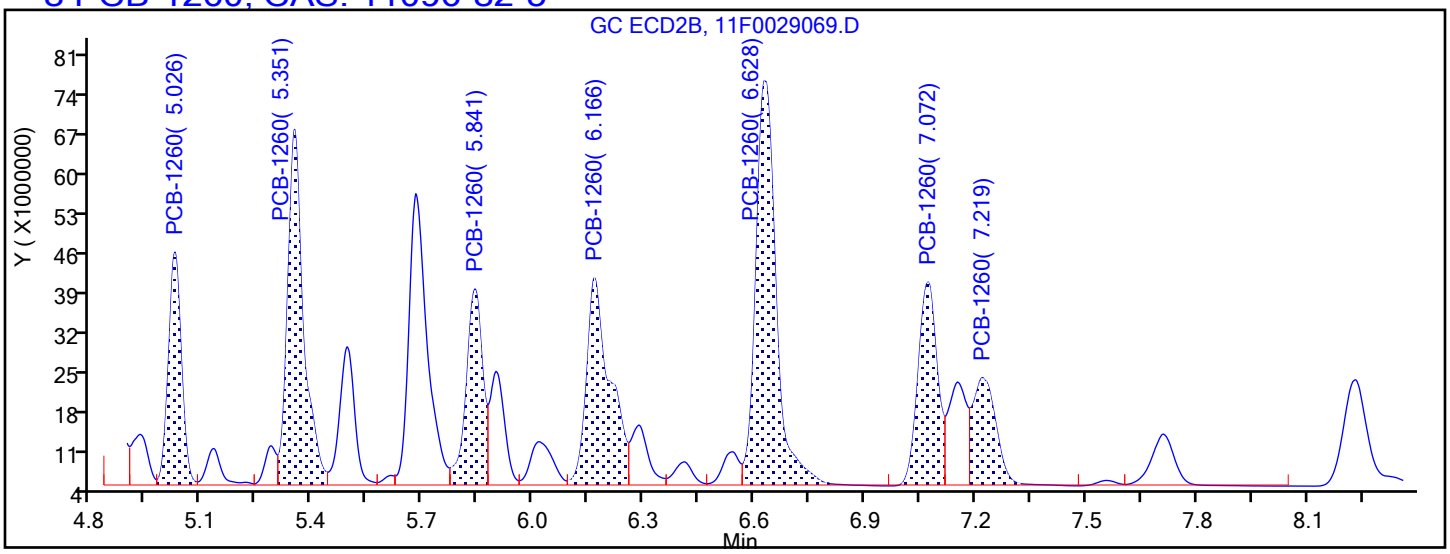
2.189	Response = 41884896	
2.549	Response = 77726856	M
2.750	Response = 51159884	M
3.030	Response = 164994010	M
3.176	Response = 69128119	M
3.242	Response = 44994626	M

Report Date: 21-Dec-2023 14:23:31 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

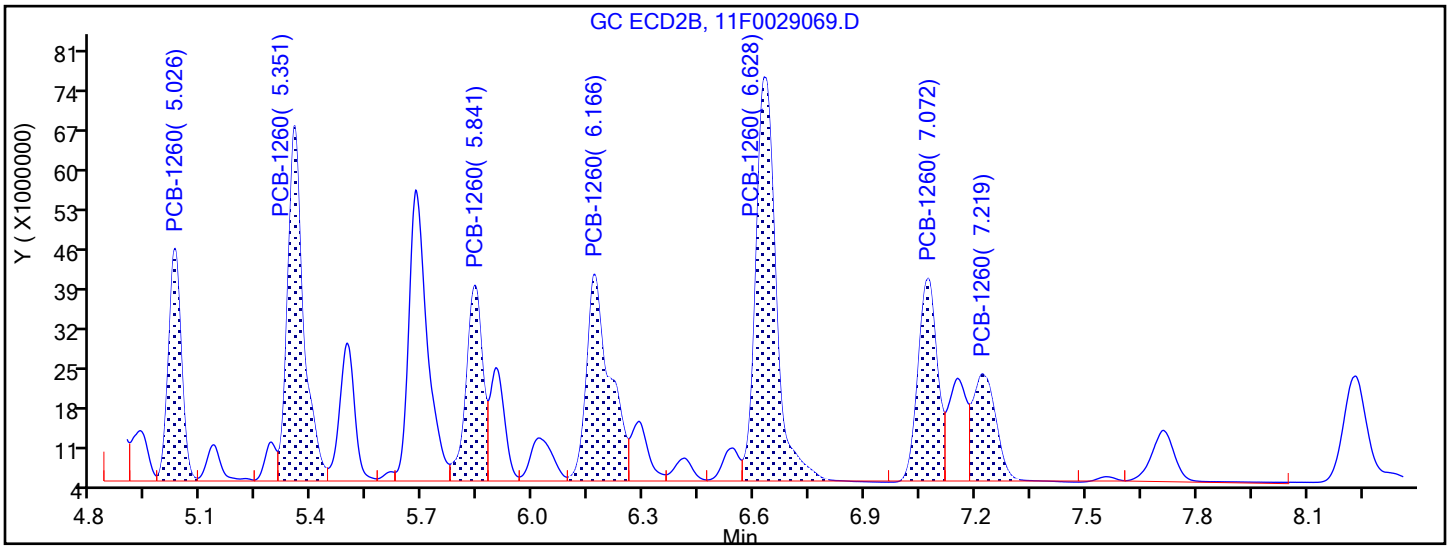
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.026	Response = 100554826
5.351	Response = 188054513
5.841	Response = 107446830
6.166	Response = 160482639
6.628	Response = 274059817
7.072	Response = 130895833
7.219	Response = 84824554
8.233	Response = 89824699



Manual Integration Results

5.026	Response = 101848674	M
5.351	Response = 189924625	M
5.841	Response = 108924962	M
6.166	Response = 162749449	M
6.628	Response = 276360904	M
7.072	Response = 130895833	

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Dec-2023 11:33:05 ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:38 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:51:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	49213391	20.0	20.0	
2	1.227	1.227	0.000	46173697	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	313322798	150.0	162.2	
2	1.831	1.829	0.002	396057695	150.0	156.8	M
						RPD = 3.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.911	2.912	-0.001	48489847	1500.0	1397.9	
1	3.402	3.403	-0.001	92838479	1500.0	1417.8	M
1	3.946	3.947	-0.001	206808218	1500.0	1396.1	M
1	4.111	4.111	0.000	88653253	1500.0	1376.4	M
1	4.236	4.238	-0.002	72982607	1500.0	1393.1	M
1	4.689	4.689	0.000	65744755	1500.0	1402.0	M
1	4.837	4.838	-0.001	81717890	1500.0	1417.6	M
1	5.204	5.204	0.000	54277213	1500.0	1393.7	M
		Average of Peak Amounts =				1399.3	
2	2.189	2.189	0.000	64815260	1500.0	1358.9	M
2	2.550	2.549	0.001	119318735	1500.0	1373.7	M
2	2.749	2.750	-0.001	78998953	1500.0	1387.1	M
2	3.031	3.030	0.001	255716405	1500.0	1412.6	M
2	3.176	3.176	0.000	107163148	1500.0	1407.0	M
2	3.241	3.242	-0.001	69329168	1500.0	1400.3	M
2	3.634	3.633	0.001	112339722	1500.0	1394.1	M
2	4.061	4.062	-0.001	57289261	1500.0	1383.6	M
		Average of Peak Amounts =				1389.7	
						RPD = 0.69	
8 PCB-1260							M
1	6.108	6.108	0.000	58932415	1500.0	1392.3	M
1	6.346	6.346	0.000	137986133	1500.0	1393.4	M
1	6.678	6.679	-0.001	160244020	1500.0	1396.2	M
1	7.453	7.455	-0.002	140806902	1500.0	1394.5	M
1	8.014	8.015	-0.001	159252426	1500.0	1398.2	M
1	8.542	8.544	-0.002	399954742	1500.0	1436.9	M
1	9.348	9.350	-0.002	288247525	1500.0	1430.4	M
1	10.235	10.236	-0.001	132597851	1500.0	1412.7	
		Average of Peak Amounts =				1406.8	
2	5.025	5.026	-0.001	157238116	1500.0	1394.2	M
2	5.349	5.351	-0.002	295202221	1500.0	1409.7	M
2	5.839	5.841	-0.002	167948393	1500.0	1358.3	M
2	6.166	6.166	0.000	250900168	1500.0	1399.9	M
2	6.631	6.628	0.003	428745288	1500.0	1409.4	M
2	7.070	7.072	-0.002	204960821	1500.0	1424.9	
2	7.223	7.219	0.004	126768566	1500.0	1347.3	
2	8.231	8.233	-0.002	138158043	1500.0	1401.5	
		Average of Peak Amounts =				1393.2	
						RPD = 0.97	
$ 11 DCB Decachlorobiphenyl							
1	10.854	10.856	-0.002	397495474	150.0	159.8	
2	9.240	9.242	-0.002	429271339	150.0	156.0	
						RPD = 2.38	
S 12 Polychlorinated biphenyls, Total							
1						2806.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

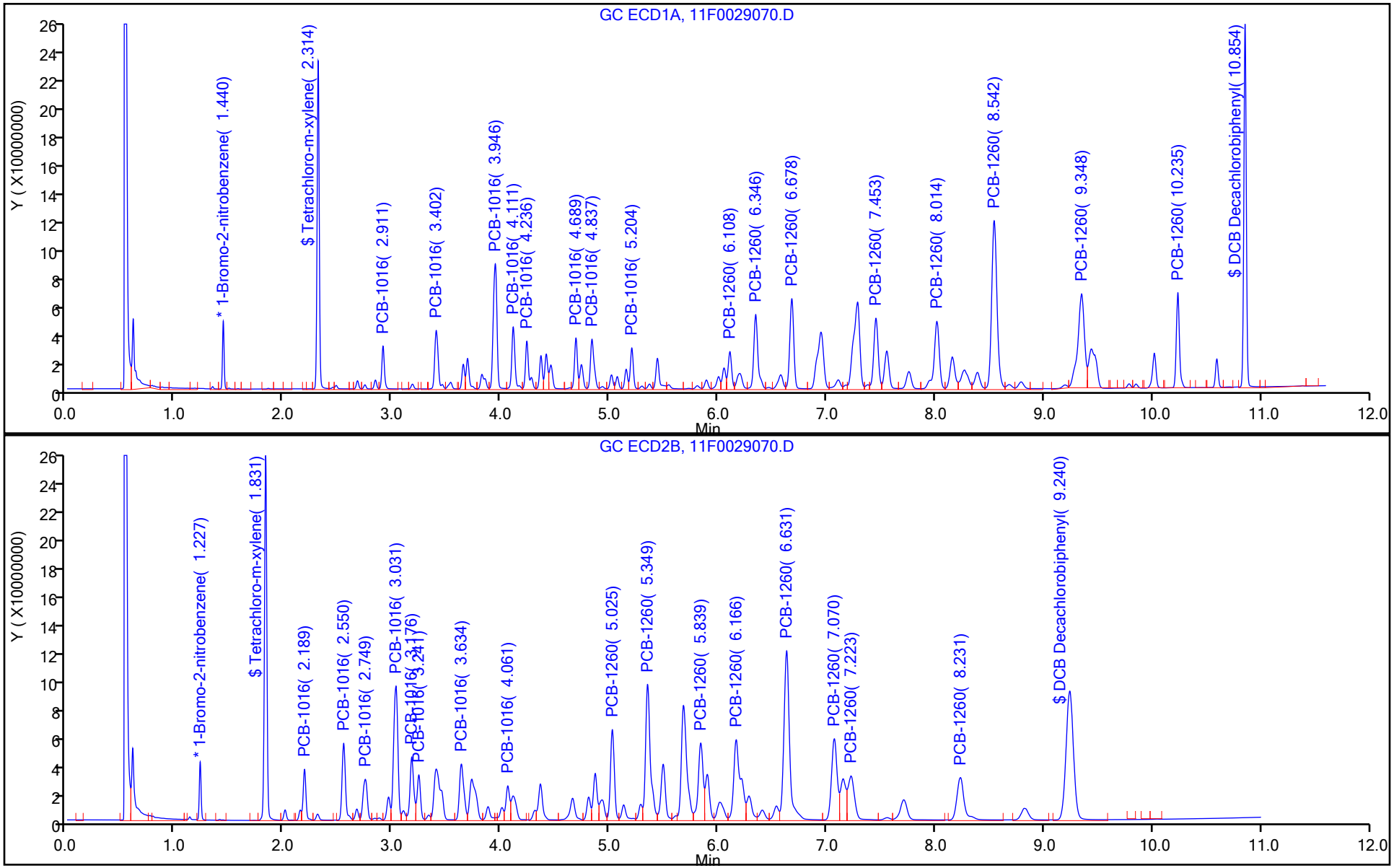
SG1660L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D

Injection Date:	21-Dec-2023 11:33:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

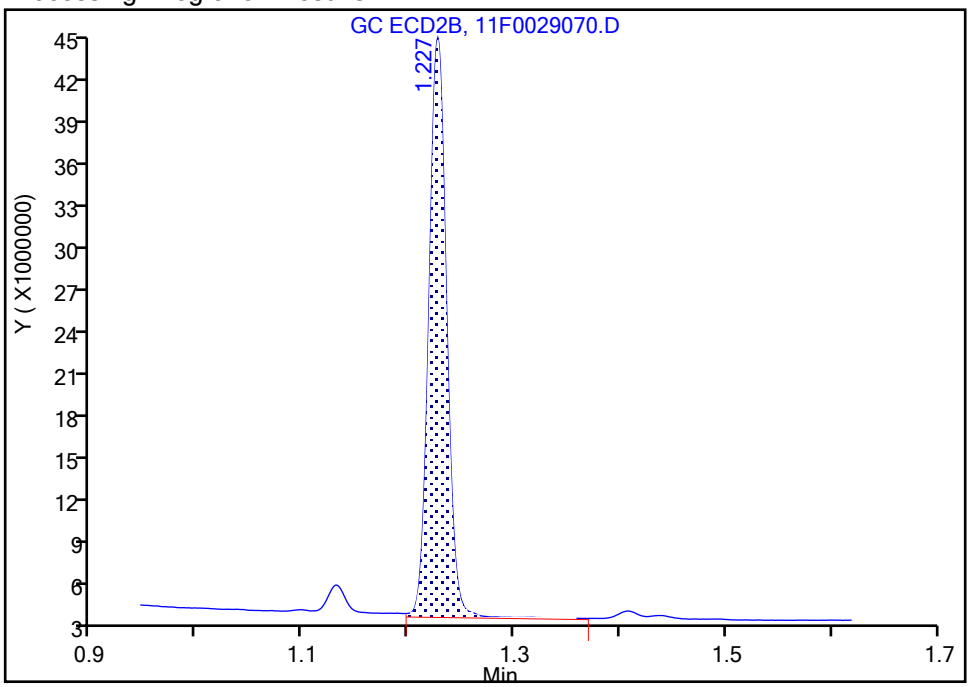
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

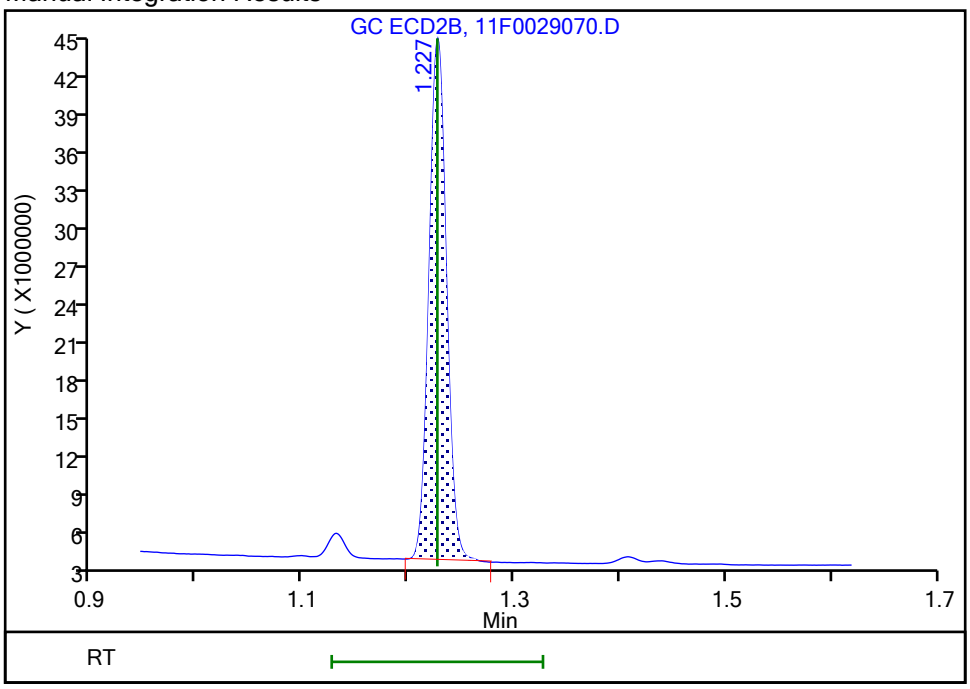
Processing Integration Results

RT: 1.23
Area: 47324850
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 46173697
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:51:02 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

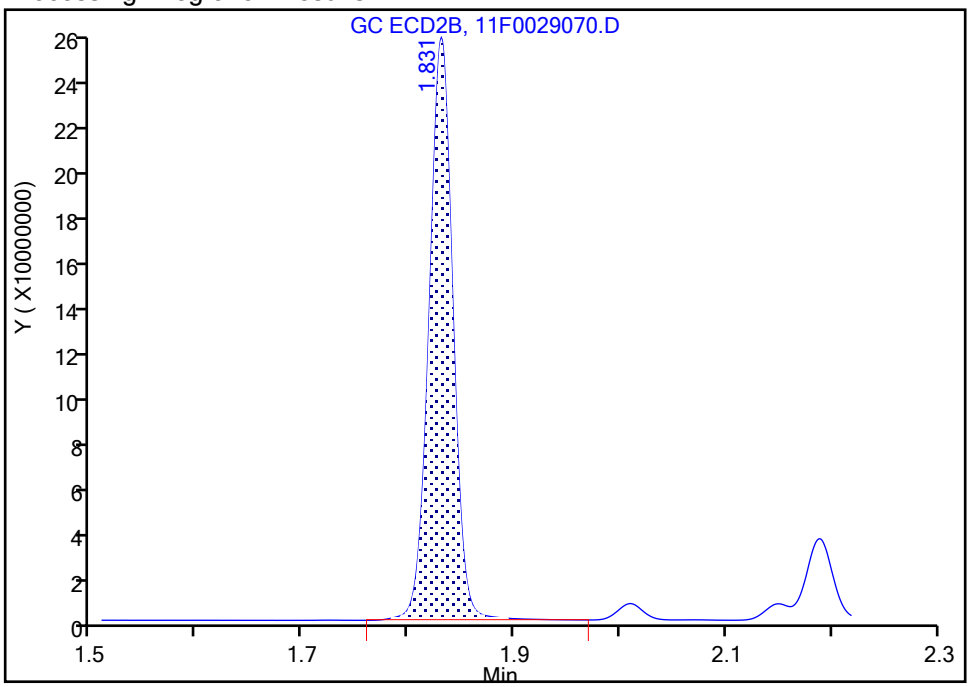
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

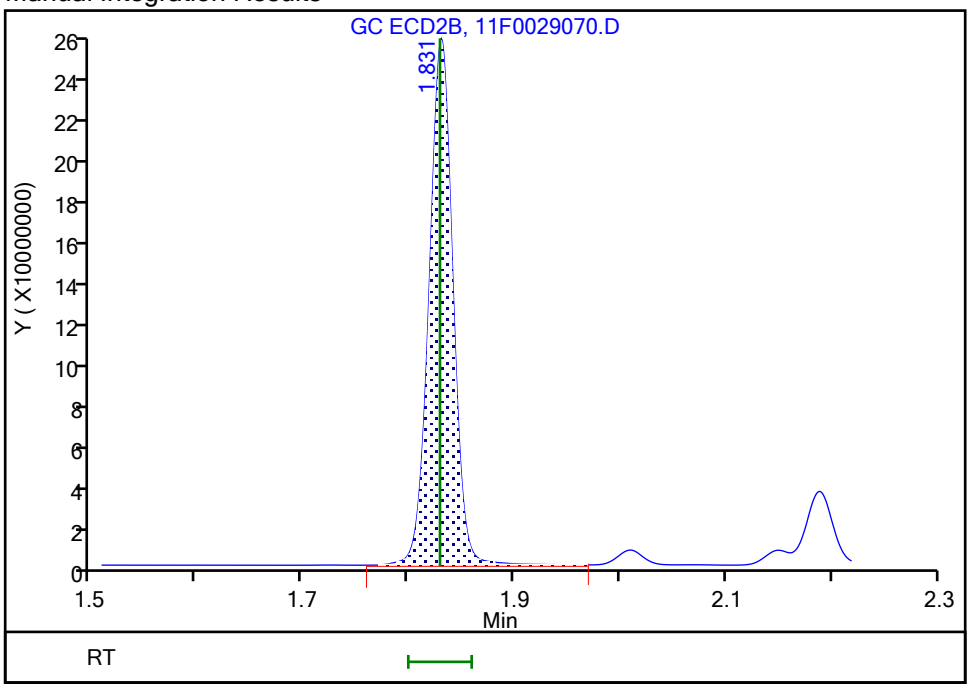
Processing Integration Results

RT: 1.83
Area: 395250363
Amount: 157.9268
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 396057695
Amount: 156.8258
Amount Units: ug/l



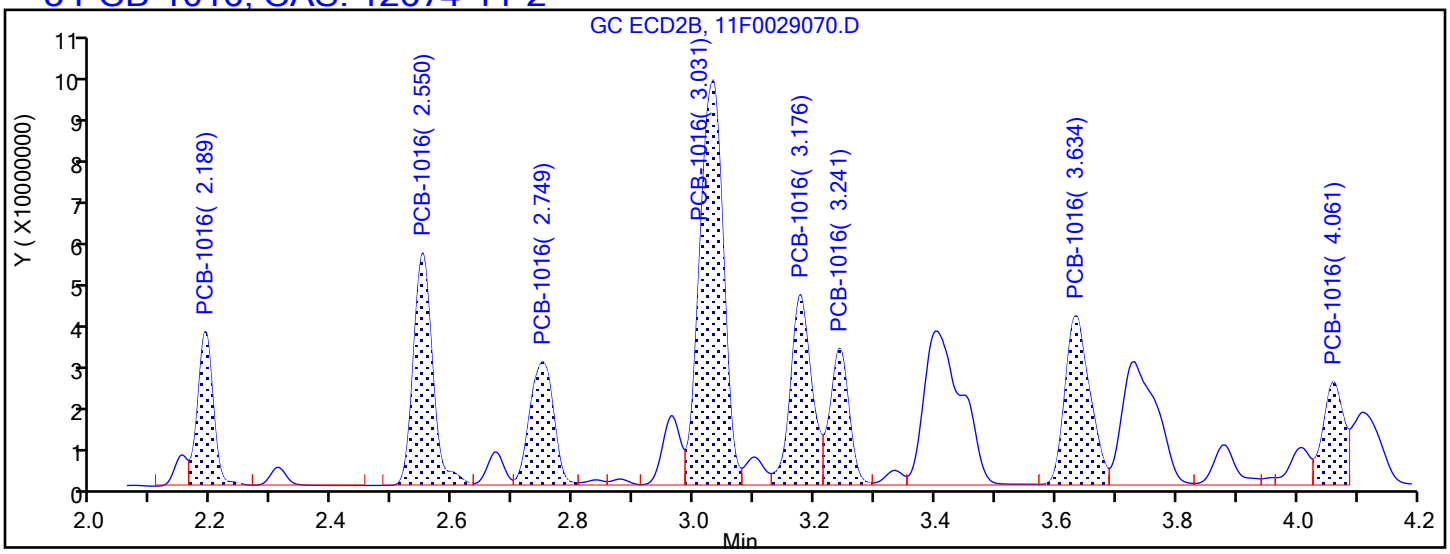
Reviewer: OR9X, 21-Dec-2023 11:50:52 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:39 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

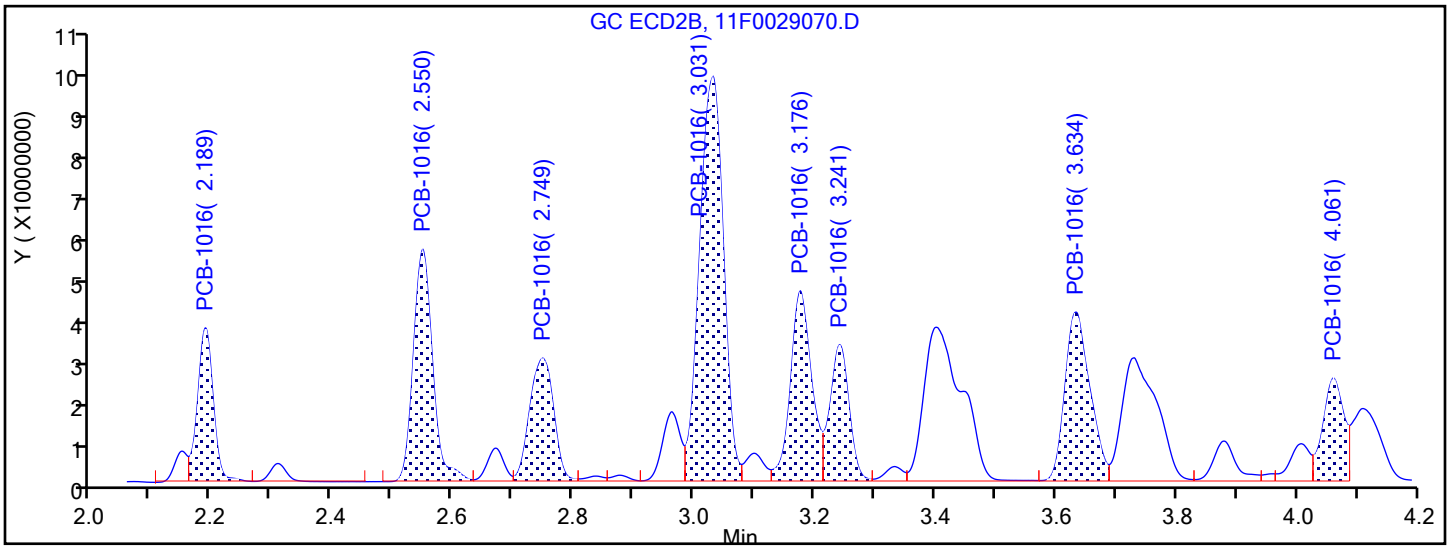
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 64027298
2.550	Response = 117786386
2.749	Response = 77506449
3.031	Response = 254556132
3.176	Response = 106125083
3.241	Response = 68359309
3.634	Response = 111019574
4.061	Response = 56529850



Manual Integration Results

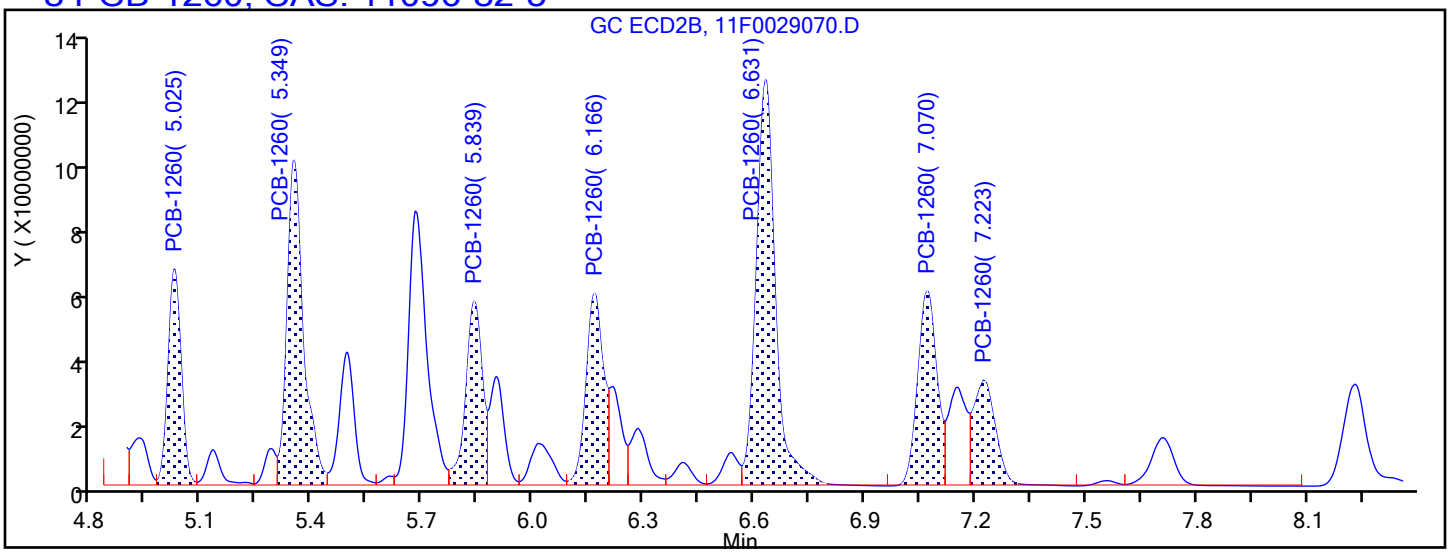
2.189	Response = 64815260	M
2.550	Response = 119318735	M
2.749	Response = 78998953	M
3.031	Response = 255716405	M
3.176	Response = 107163148	M
3.241	Response = 69329168	M

Report Date: 21-Dec-2023 14:23:39 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

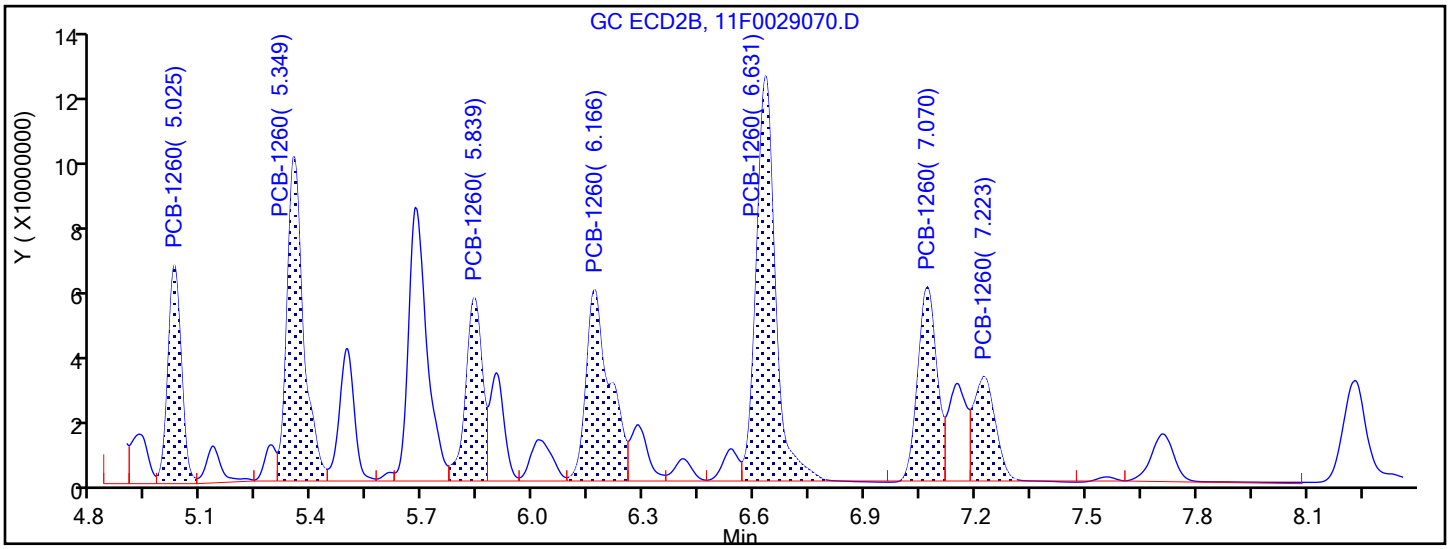
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 154491138
5.349	Response = 290337018
5.839	Response = 163979626
6.166	Response = 180130481
6.631	Response = 424230956
7.070	Response = 204960821
7.223	Response = 126768566
8.231	Response = 138158043



Manual Integration Results

5.025	Response = 157238116	M
5.349	Response = 295202221	M
5.839	Response = 167948393	M
6.166	Response = 250900168	M
6.631	Response = 428745288	M
7.070	Response = 204960821	

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Dec-2023 11:49:49 ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:46 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:54:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	47065532	20.0	20.0	
2	1.227	1.227	0.000	44447285	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	428675139	200.0	232.0	M
2	1.830	1.829	0.001	537208471	200.0	221.0	M
						RPD = 4.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	81383757	2500.0	2453.3	M
1	3.403	3.403	0.000	148529605	2500.0	2371.8	M
1	3.945	3.947	-0.002	355157973	2500.0	2506.9	M
1	4.112	4.111	0.001	151849646	2500.0	2465.1	M
1	4.237	4.238	-0.001	125187388	2500.0	2498.6	M
1	4.689	4.689	0.000	112720699	2500.0	2513.4	M
1	4.837	4.838	-0.001	140349801	2500.0	2545.8	M
1	5.204	5.204	0.000	93849072	2500.0	2519.8	M
		Average of Peak Amounts =				2484.3	
2	2.188	2.189	-0.001	104352362	2500.0	2272.9	M
2	2.548	2.549	-0.001	199021915	2500.0	2380.3	M
2	2.748	2.750	-0.002	132030879	2500.0	2408.2	M
2	3.030	3.030	0.000	434027187	2500.0	2490.8	M
2	3.177	3.176	0.001	179208520	2500.0	2444.4	M
2	3.240	3.242	-0.002	117812356	2500.0	2471.9	M
2	3.633	3.633	0.000	189417239	2500.0	2442.0	M
2	4.062	4.062	0.000	96767755	2500.0	2427.7	M
		Average of Peak Amounts =				2417.3	
						RPD = 2.74	
8 PCB-1260							M
1	6.108	6.108	0.000	100646473	2500.0	2486.3	M
1	6.347	6.346	0.001	238068015	2500.0	2513.7	M
1	6.678	6.679	-0.001	274300092	2500.0	2499.0	M
1	7.453	7.455	-0.002	236550765	2500.0	2449.6	M
1	8.017	8.015	0.002	273597625	2500.0	2511.7	M
1	8.544	8.544	0.000	683564638	2500.0	2567.8	M
1	9.346	9.350	-0.004	489848240	2500.0	2541.7	
1	10.233	10.236	-0.003	226327114	2500.0	2521.3	
		Average of Peak Amounts =				2511.4	
2	5.025	5.026	-0.001	266073473	2500.0	2450.8	M
2	5.349	5.351	-0.002	502608175	2500.0	2493.4	M
2	5.840	5.841	-0.001	282681716	2500.0	2375.0	M
2	6.164	6.166	-0.002	429083691	2500.0	2487.0	M
2	6.630	6.628	0.002	739043428	2500.0	2523.8	M
2	7.071	7.072	-0.001	352803265	2500.0	2548.0	M
2	7.223	7.219	0.004	222352921	2500.0	2455.0	M
2	8.233	8.233	0.000	234466761	2500.0	2470.9	
		Average of Peak Amounts =				2475.5	
						RPD = 1.44	
$ 11 DCB Decachlorobiphenyl							
1	10.853	10.856	-0.003	554329071	200.0	233.0	
2	9.238	9.242	-0.004	587905962	200.0	222.0	
						RPD = 4.84	
S 12 Polychlorinated biphenyls, Total							
1						4995.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

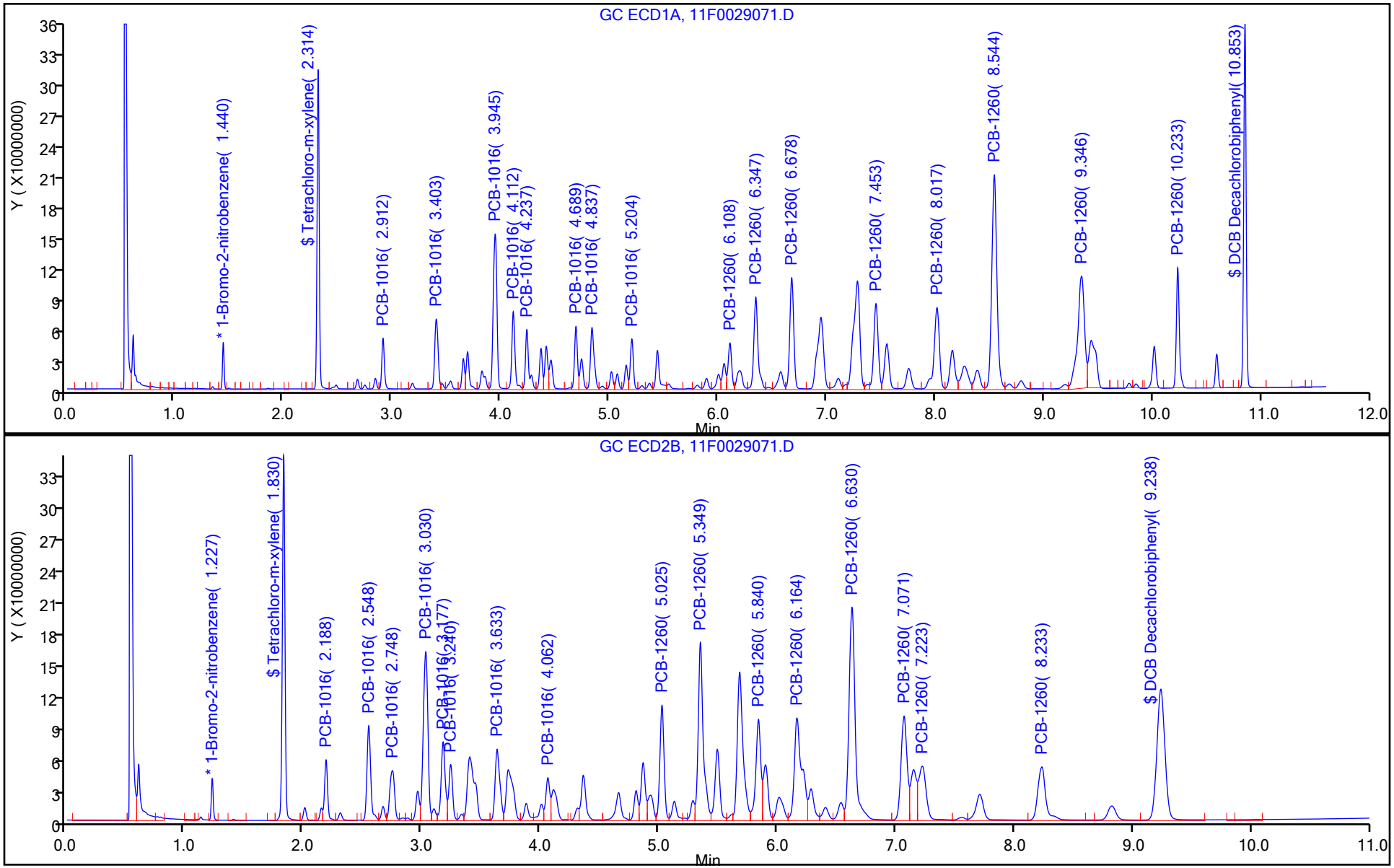
SG1660L5_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D

Injection Date:	21-Dec-2023 11:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

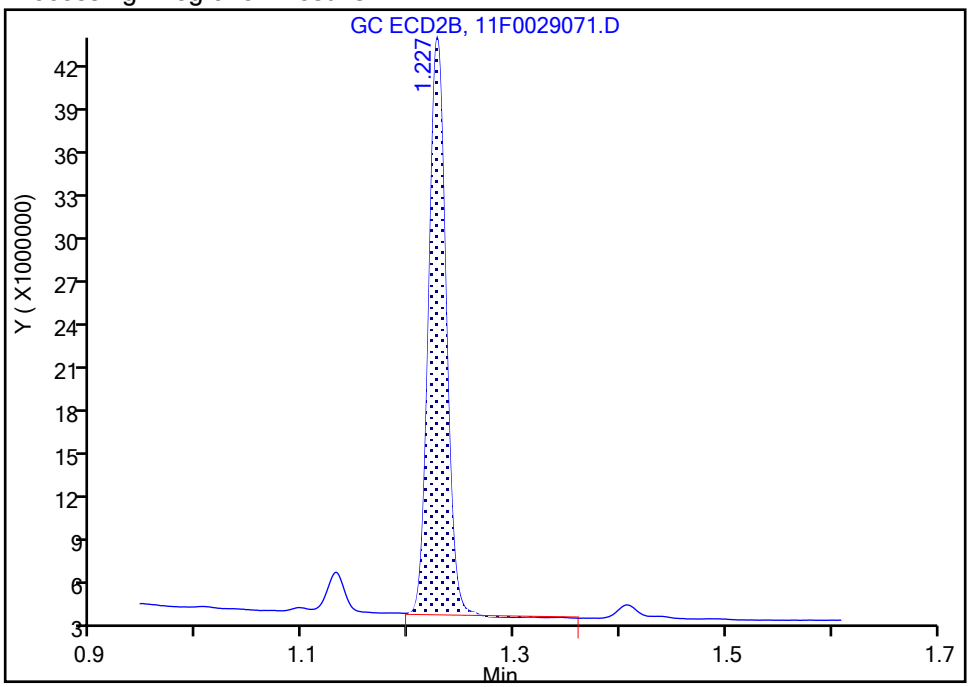
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

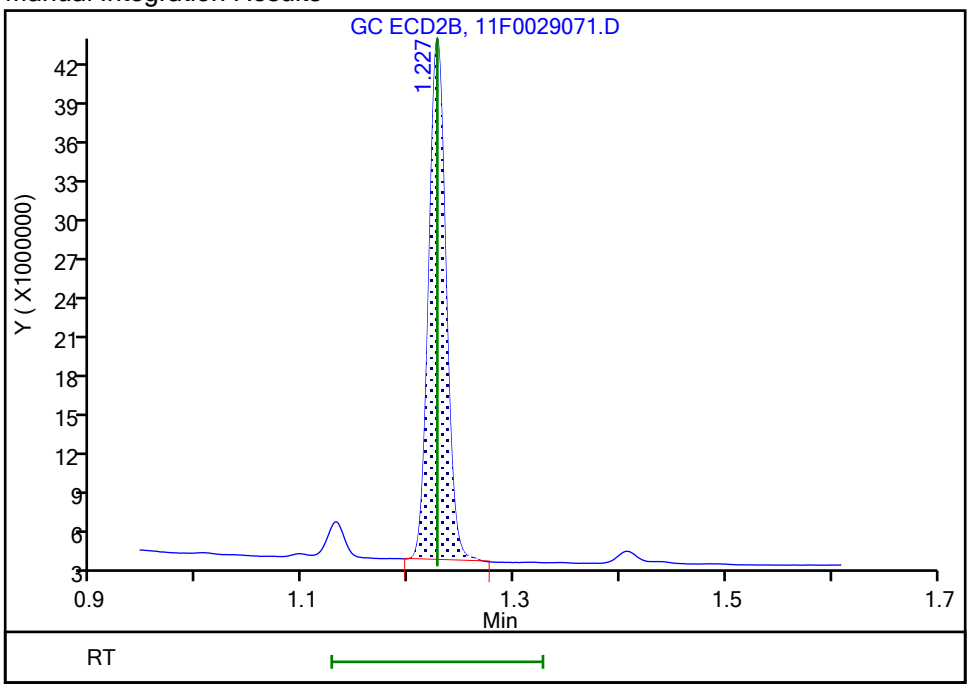
Processing Integration Results

RT: 1.23
Area: 44833163
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44447285
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 12:53:53 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

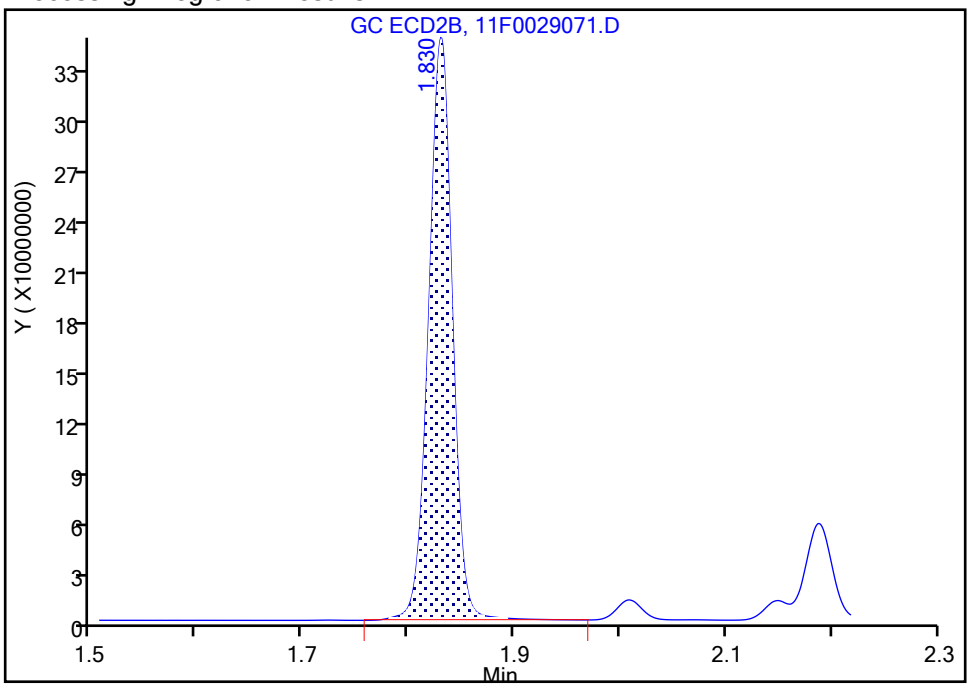
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

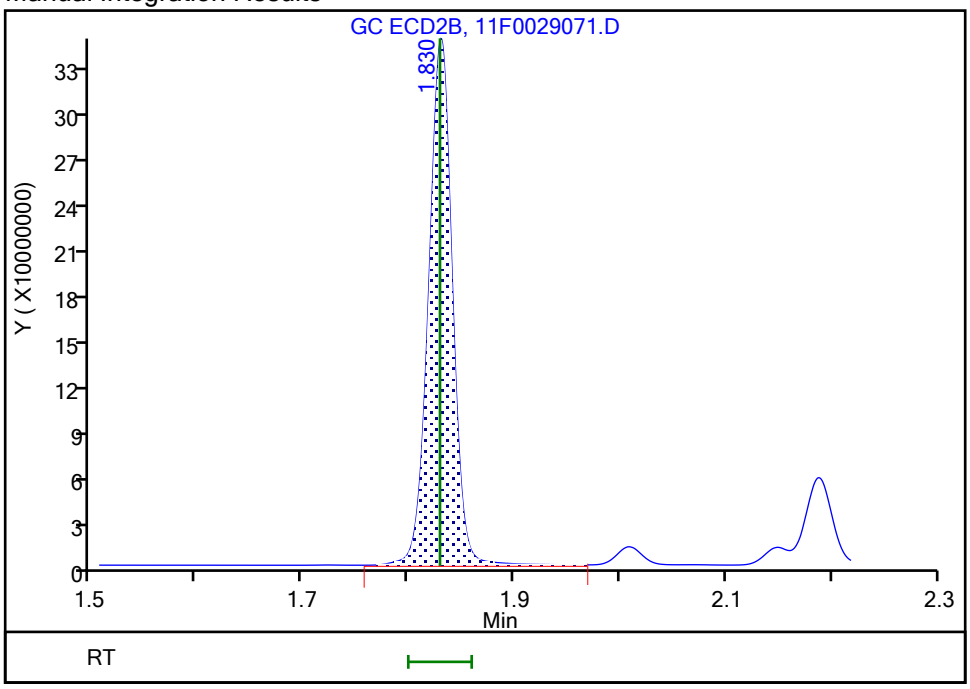
Processing Integration Results

RT: 1.83
Area: 535863541
Amount: 219.0655
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 537208471
Amount: 220.9791
Amount Units: ug/l



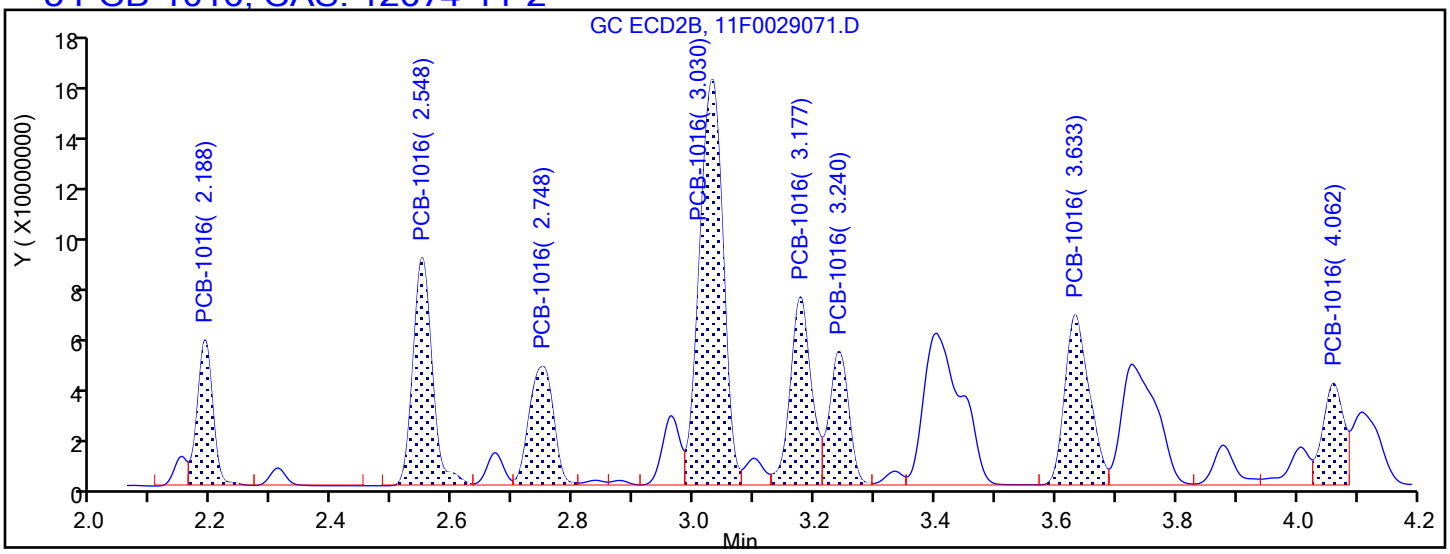
Reviewer: OR9X, 21-Dec-2023 12:53:46 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

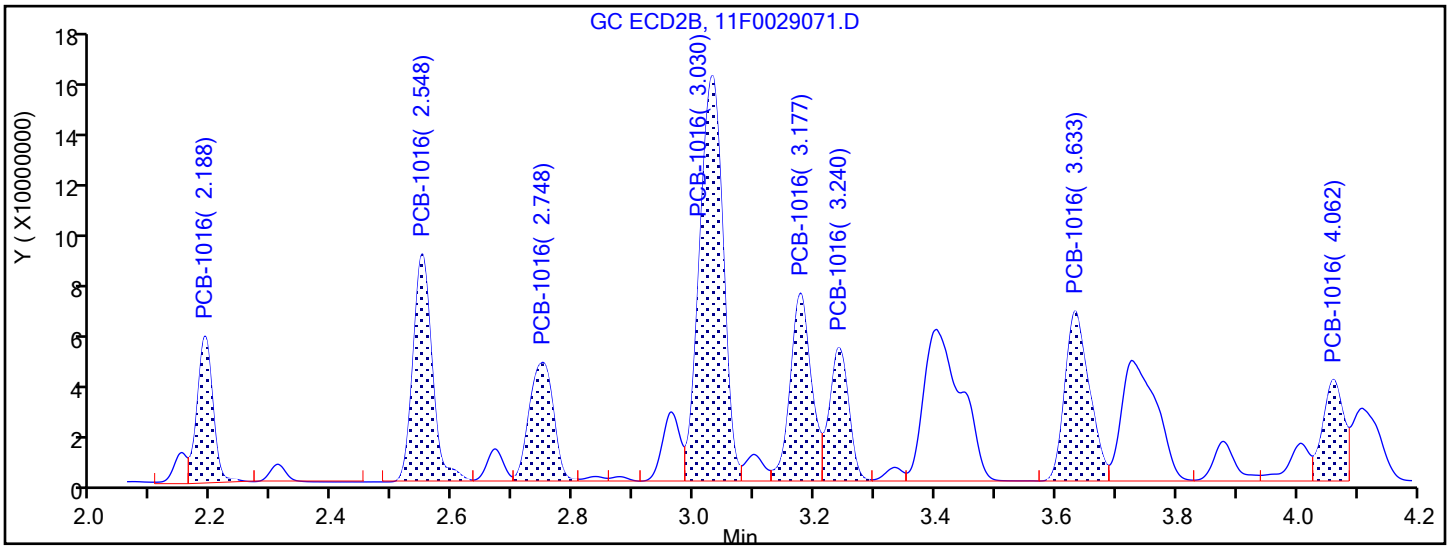
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.188	Response = 103073648
2.548	Response = 196871086
2.748	Response = 129778104
3.030	Response = 432274829
3.177	Response = 177659339
3.240	Response = 116337125
3.633	Response = 187536187
4.062	Response = 96031725



Manual Integration Results

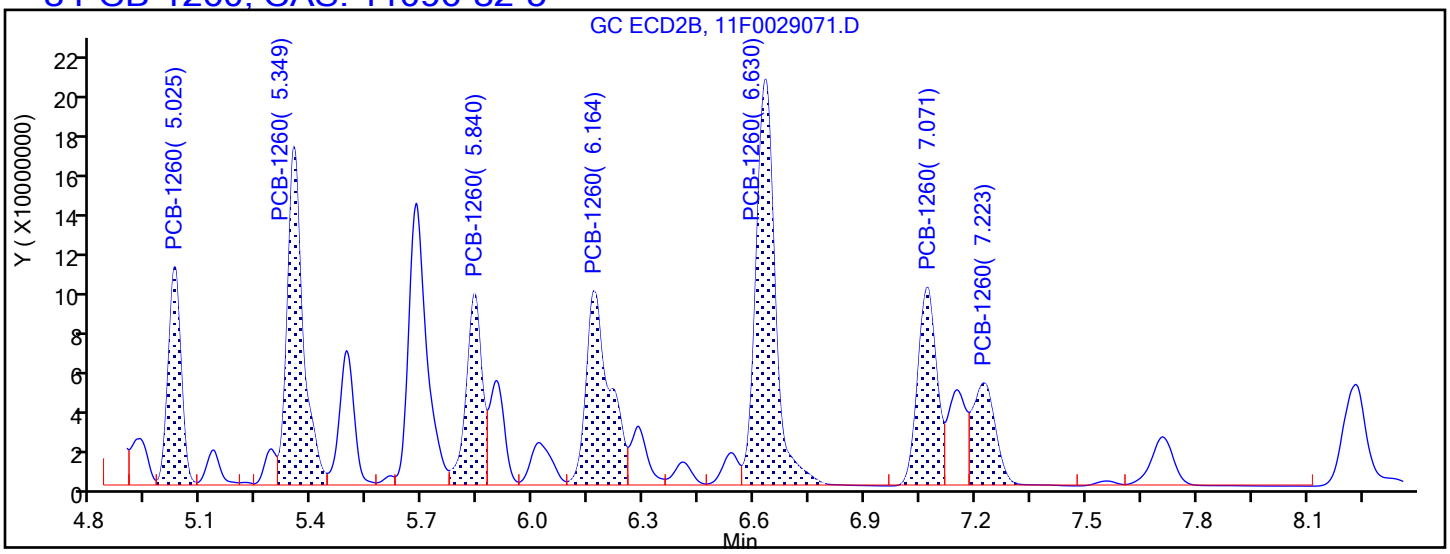
2.188	Response = 104352362	M
2.548	Response = 199021915	M
2.748	Response = 132030879	M
3.030	Response = 434027187	M
3.177	Response = 179208520	M
3.240	Response = 117812356	M

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

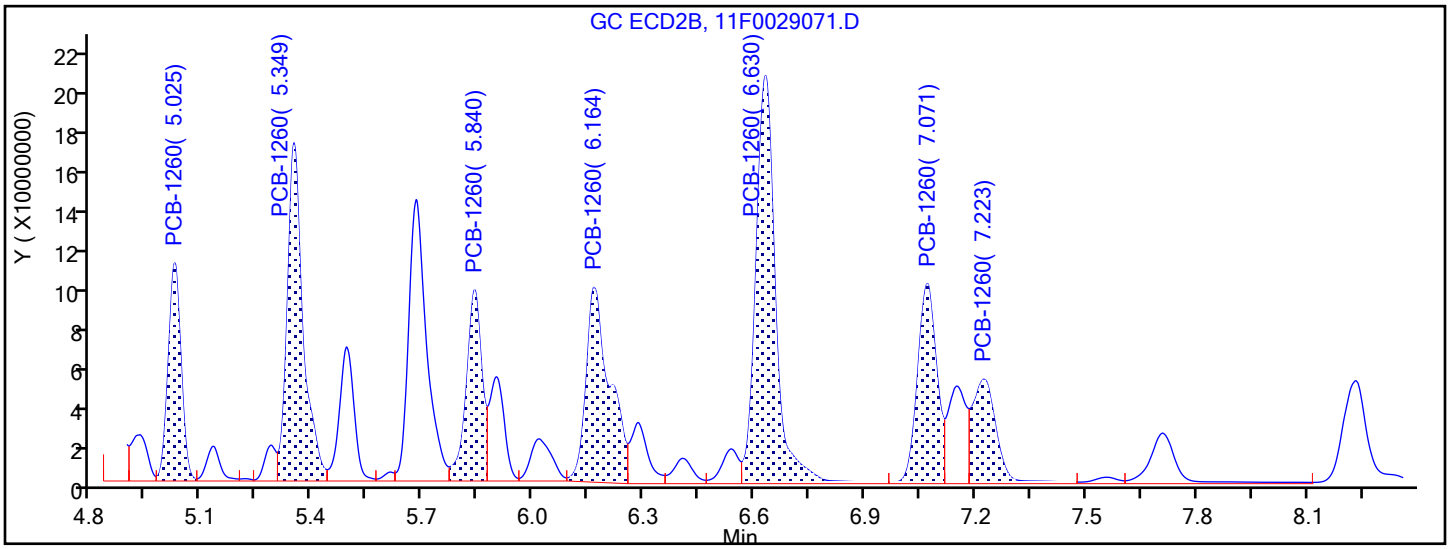
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 265232689
5.349	Response = 501595071
5.840	Response = 281916791
6.164	Response = 427861846
6.630	Response = 736389820
7.071	Response = 351841568
7.223	Response = 220447800
8.233	Response = 234466761



Manual Integration Results

5.025	Response = 266073473	M
5.349	Response = 502608175	M
5.840	Response = 282681716	M
6.164	Response = 429083691	M
6.630	Response = 739043428	M
7.071	Response = 352803265	M

Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

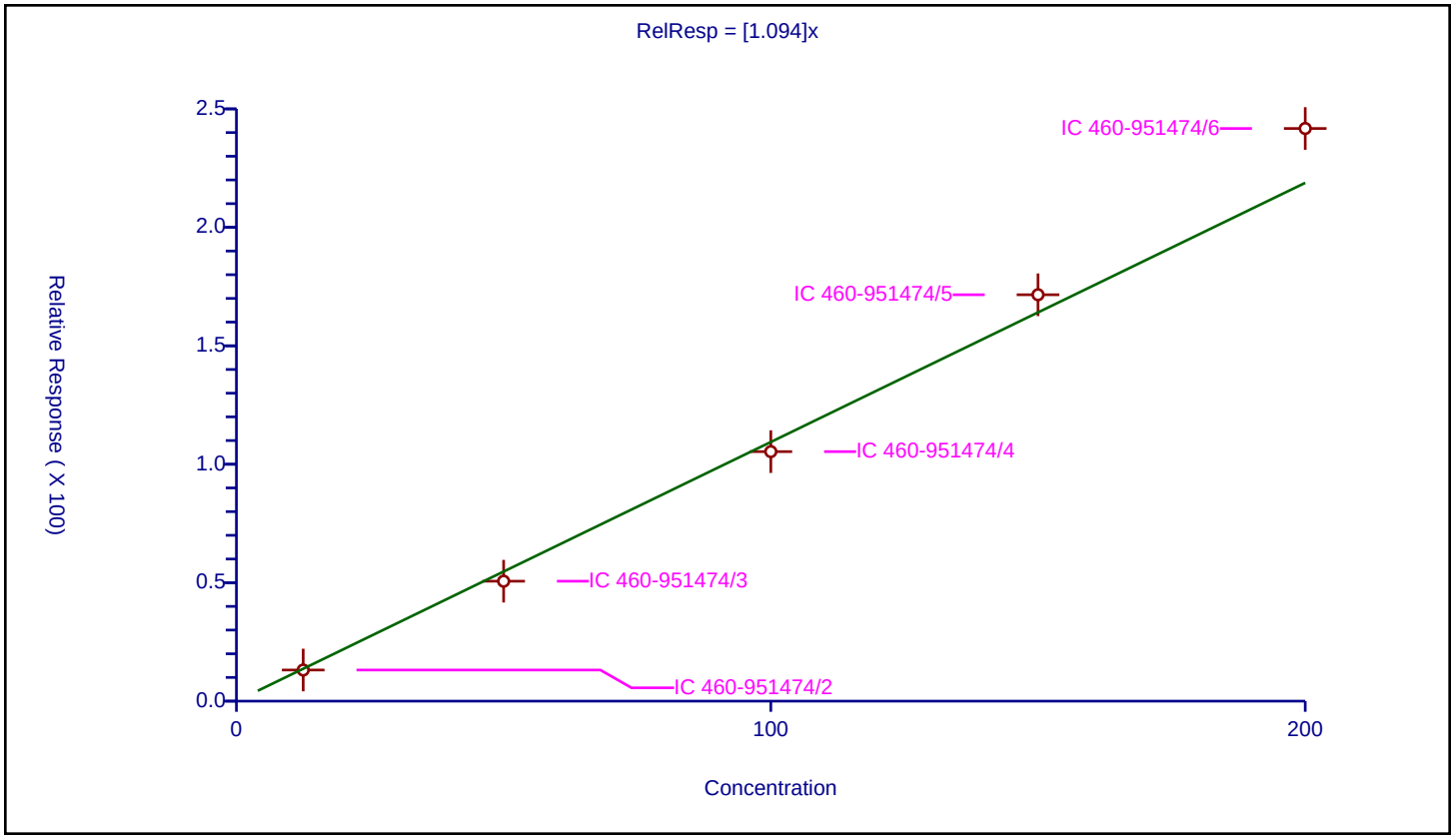
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Standard Error:	359000000
Relative Standard Error:	7.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	13.141158	20.0	46187507.0	1.051293	Y
2	IC 460-951474/3	50.0	50.629305	20.0	48079830.0	1.012586	Y
3	IC 460-951474/4	100.0	105.328941	20.0	44138313.0	1.053289	Y
4	IC 460-951474/5	150.0	171.551217	20.0	46173697.0	1.143675	Y
5	IC 460-951474/6	200.0	241.728362	20.0	44447285.0	1.208642	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

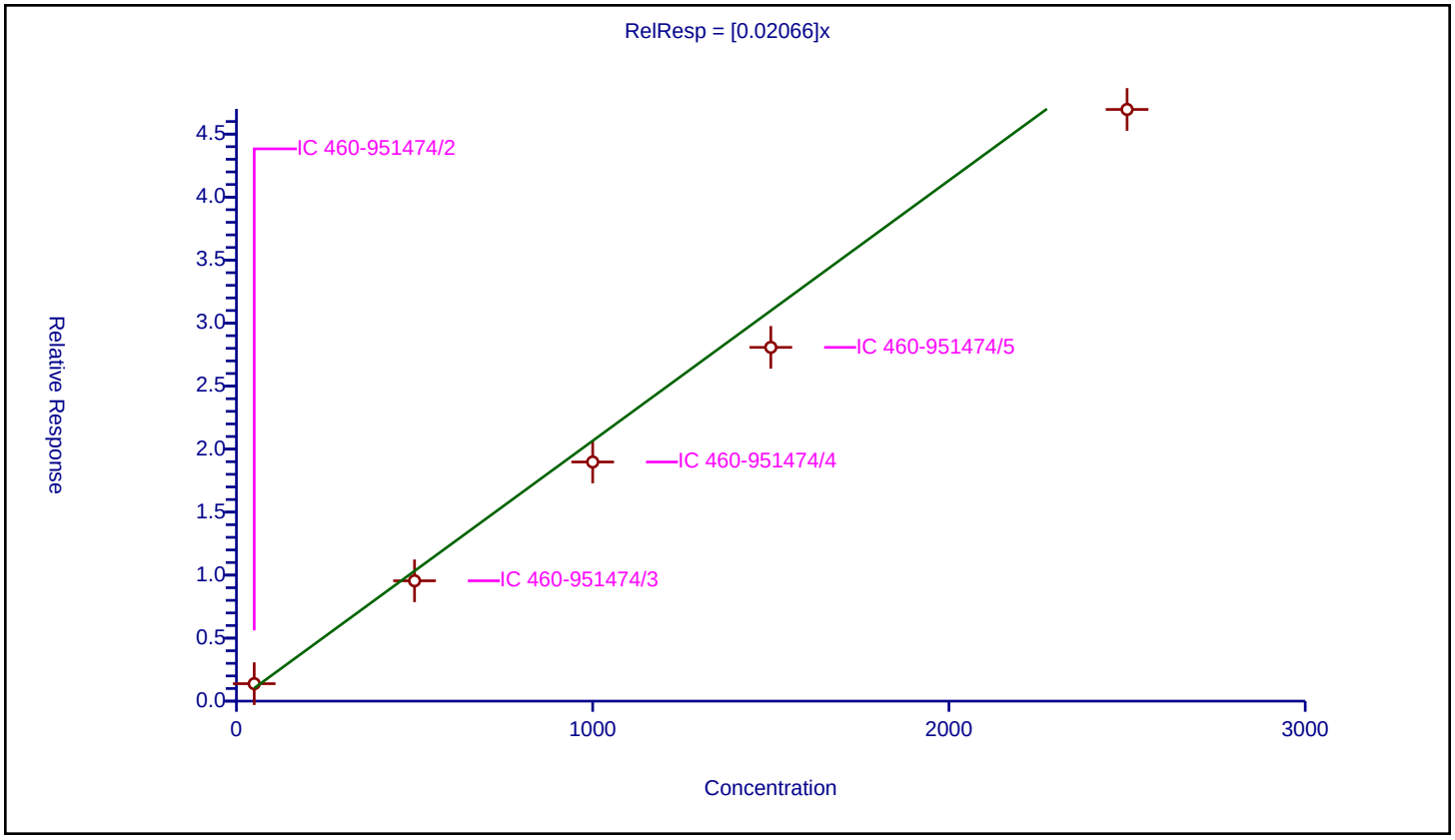
Curve Coefficients

Intercept:	0
Slope:	0.02066

Error Coefficients

Standard Error:	65900000
Relative Standard Error:	19.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.385869	20.0	46187507.0	0.027717	Y
2	IC 460-951474/3	500.0	9.550072	20.0	48079830.0	0.0191	Y
3	IC 460-951474/4	1000.0	18.978929	20.0	44138313.0	0.018979	Y
4	IC 460-951474/5	1500.0	28.074538	20.0	46173697.0	0.018716	Y
5	IC 460-951474/6	2500.0	46.955562	20.0	44447285.0	0.018782	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

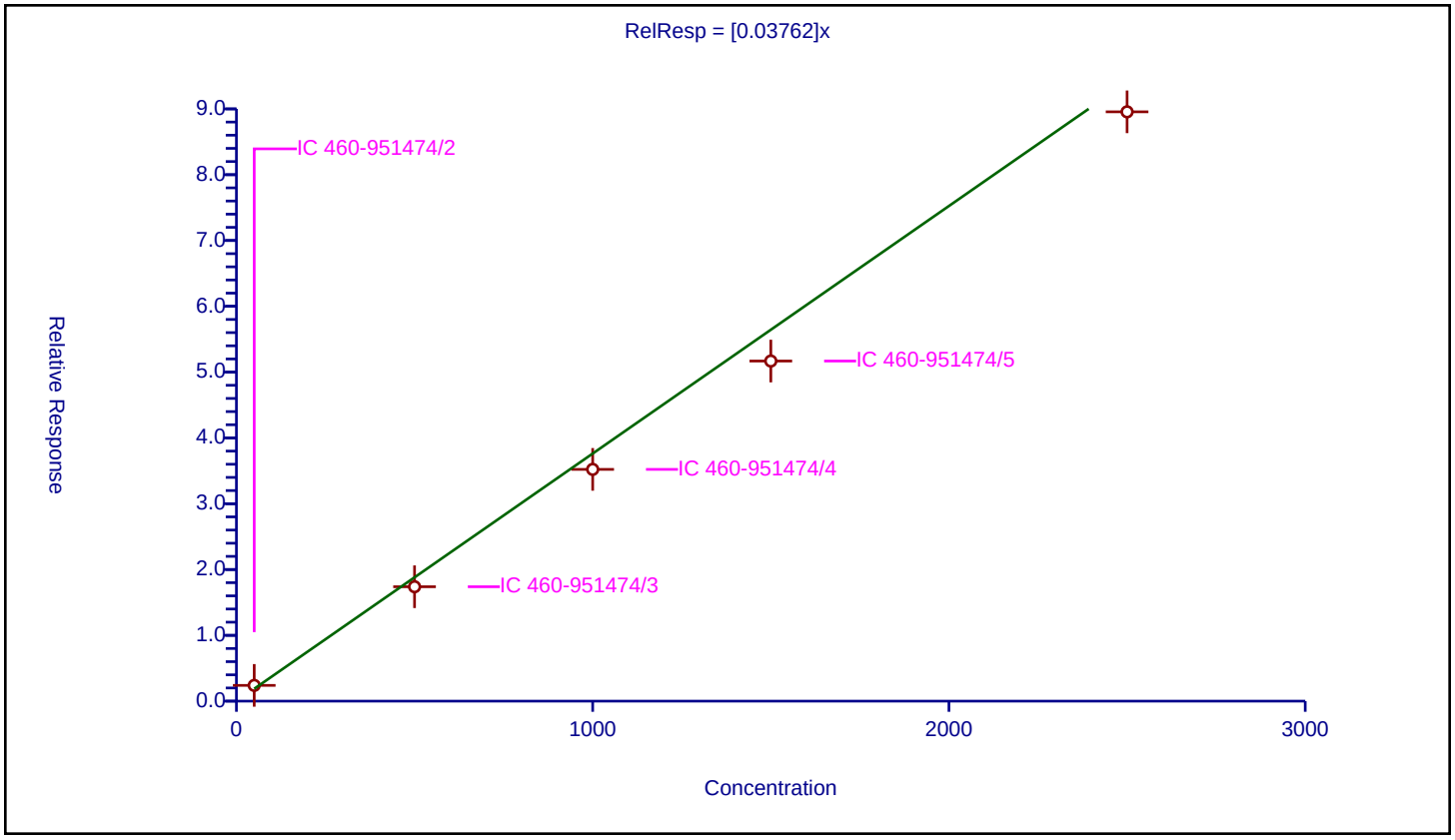
Curve Coefficients

Intercept:	0
Slope:	0.03762

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	15.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.392094	20.0	46187507.0	0.047842	Y
2	IC 460-951474/3	500.0	17.386889	20.0	48079830.0	0.034774	Y
3	IC 460-951474/4	1000.0	35.219677	20.0	44138313.0	0.03522	Y
4	IC 460-951474/5	1500.0	51.682556	20.0	46173697.0	0.034455	Y
5	IC 460-951474/6	2500.0	89.554138	20.0	44447285.0	0.035822	Y



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Calibration / PCB-1016 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

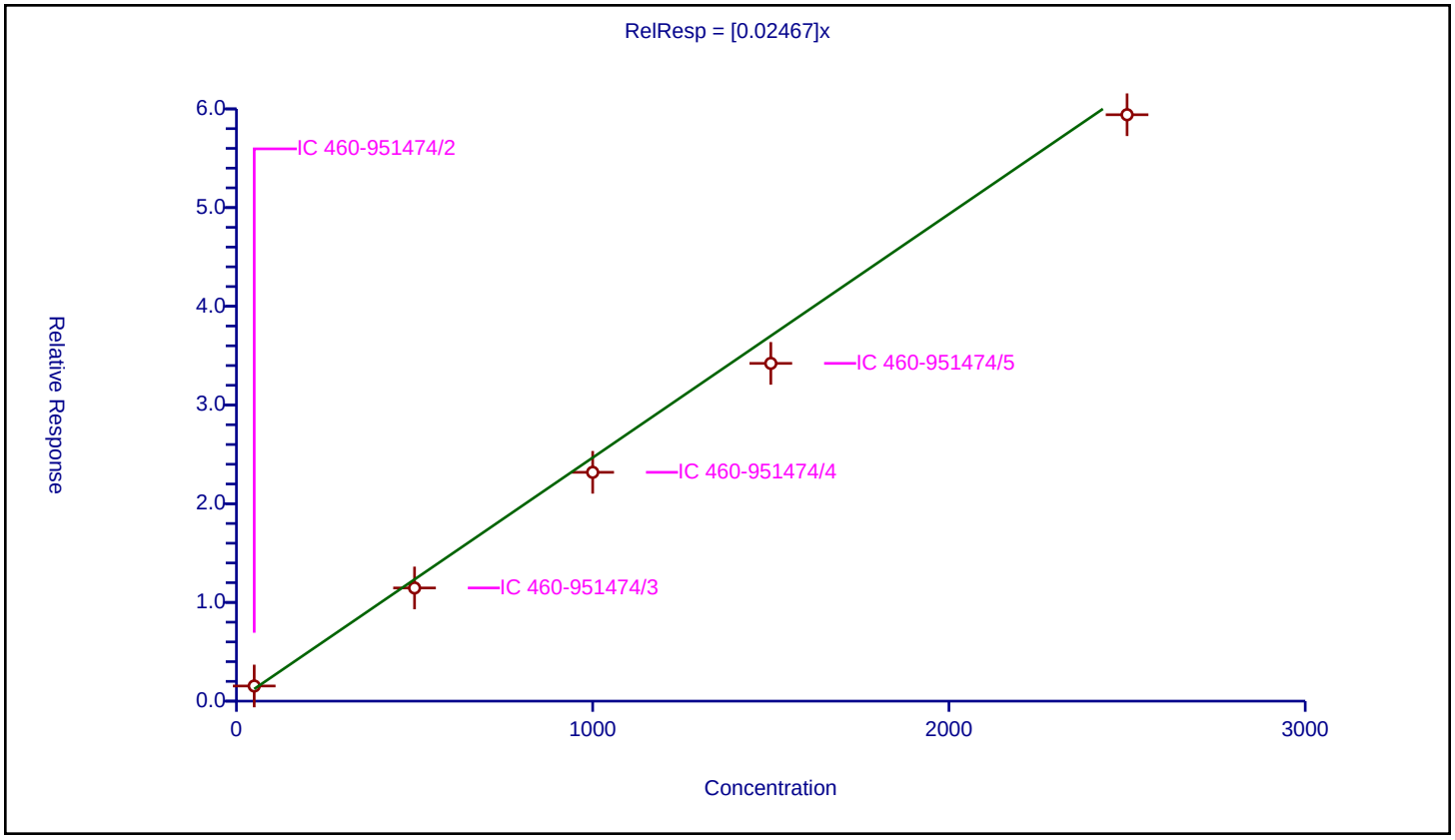
Curve Coefficients

Intercept:	0
Slope:	0.02467

Error Coefficients

Standard Error:	82300000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.532817	20.0	46187507.0	0.030656	Y
2	IC 460-951474/3	500.0	11.466726	20.0	48079830.0	0.022933	Y
3	IC 460-951474/4	1000.0	23.181622	20.0	44138313.0	0.023182	Y
4	IC 460-951474/5	1500.0	34.218162	20.0	46173697.0	0.022812	Y
5	IC 460-951474/6	2500.0	59.410099	20.0	44447285.0	0.023764	Y



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Calibration / PCB-1016 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

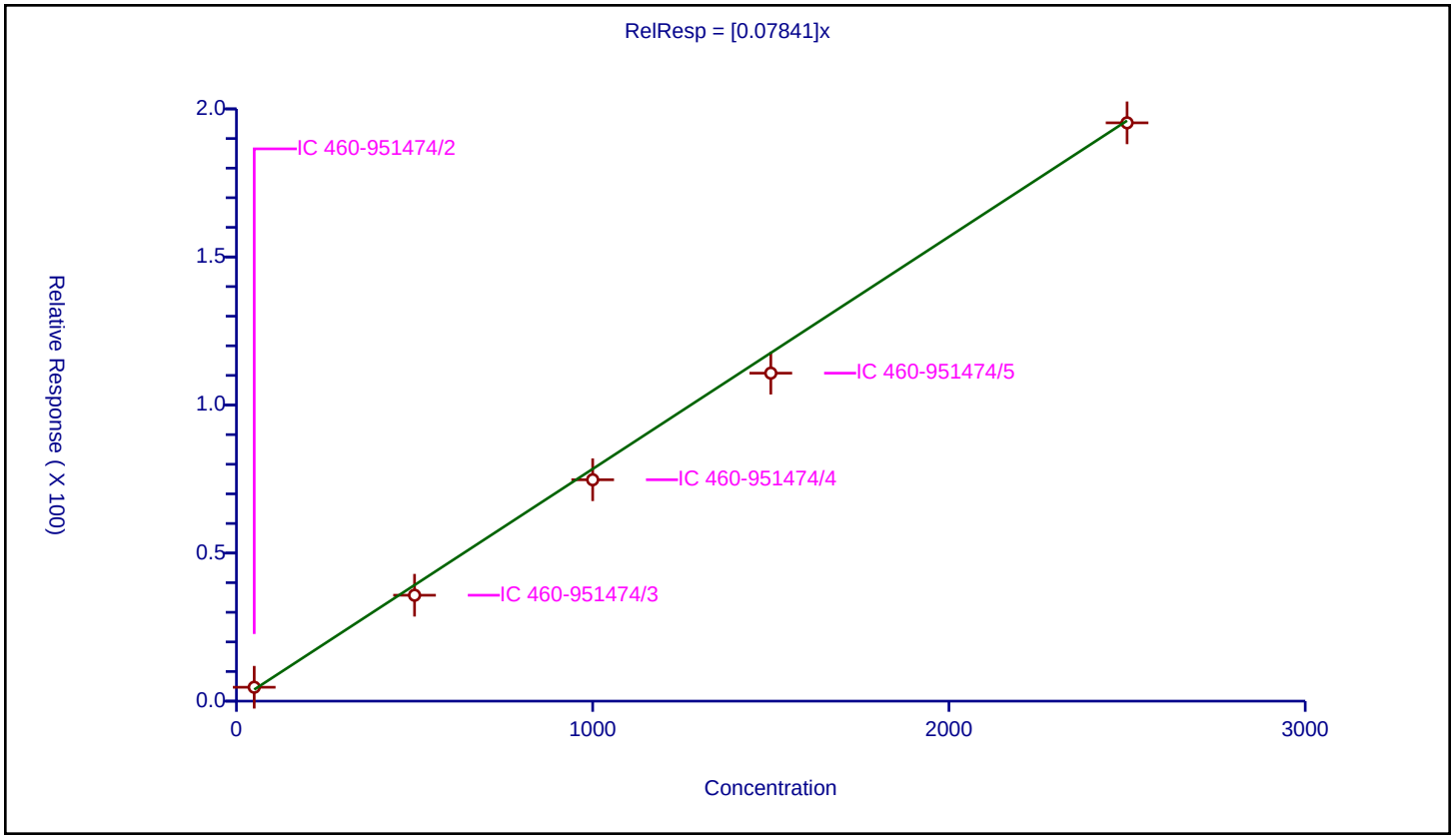
Curve Coefficients

Intercept:	0
Slope:	0.07841

Error Coefficients

Standard Error:	269000000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.689302	20.0	46187507.0	0.093786	Y
2	IC 460-951474/3	500.0	35.767307	20.0	48079830.0	0.071535	Y
3	IC 460-951474/4	1000.0	74.762264	20.0	44138313.0	0.074762	Y
4	IC 460-951474/5	1500.0	110.762803	20.0	46173697.0	0.073842	Y
5	IC 460-951474/6	2500.0	195.299752	20.0	44447285.0	0.07812	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

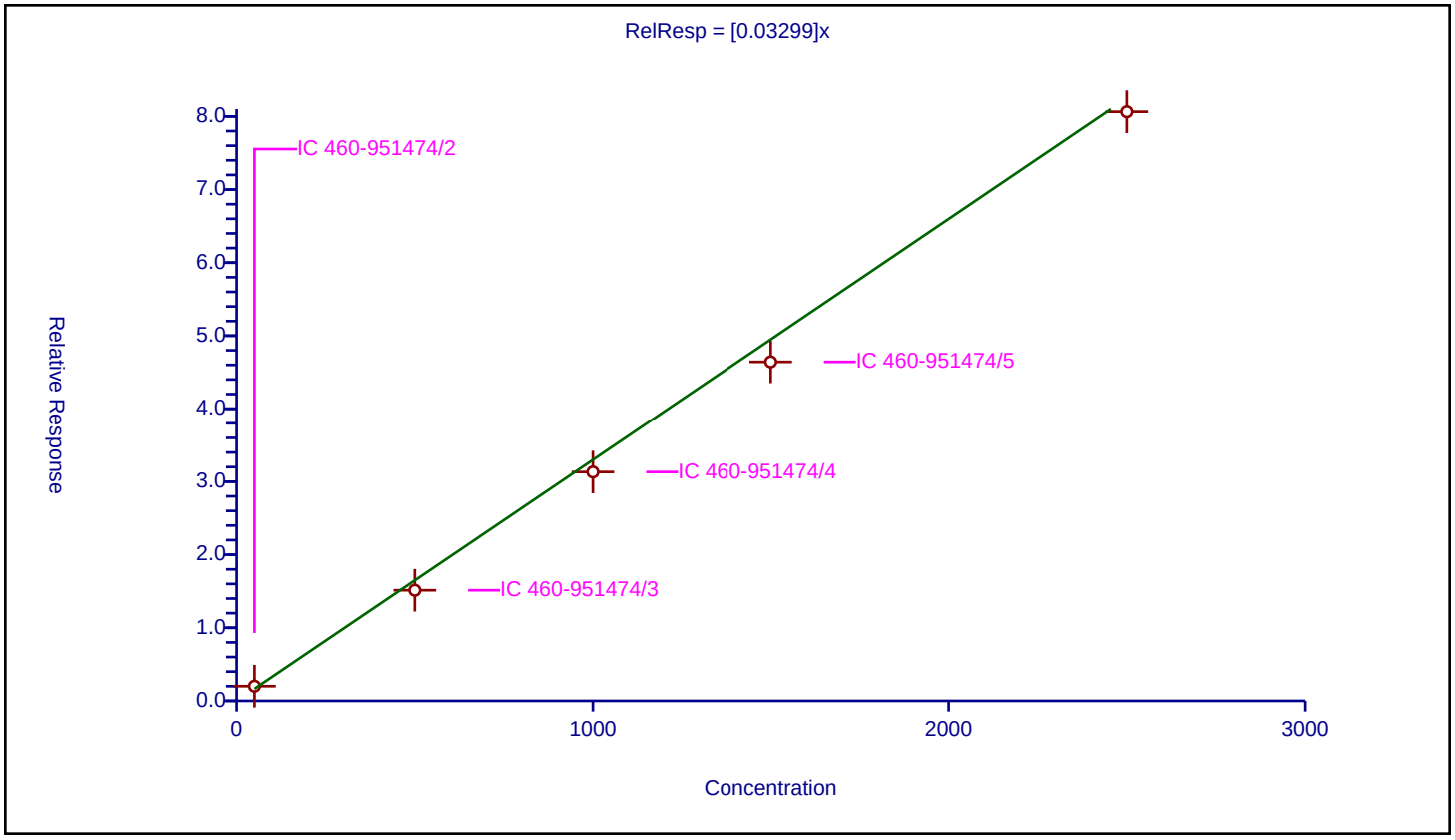
Curve Coefficients

Intercept:	0
Slope:	0.03299

Error Coefficients

Standard Error:	111000000
Relative Standard Error:	12.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.007485	20.0	46187507.0	0.04015	Y
2	IC 460-951474/3	500.0	15.137541	20.0	48079830.0	0.030275	Y
3	IC 460-951474/4	1000.0	31.323408	20.0	44138313.0	0.031323	Y
4	IC 460-951474/5	1500.0	46.4174	20.0	46173697.0	0.030945	Y
5	IC 460-951474/6	2500.0	80.63868	20.0	44447285.0	0.032255	Y



Calibration / PCB-1016 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

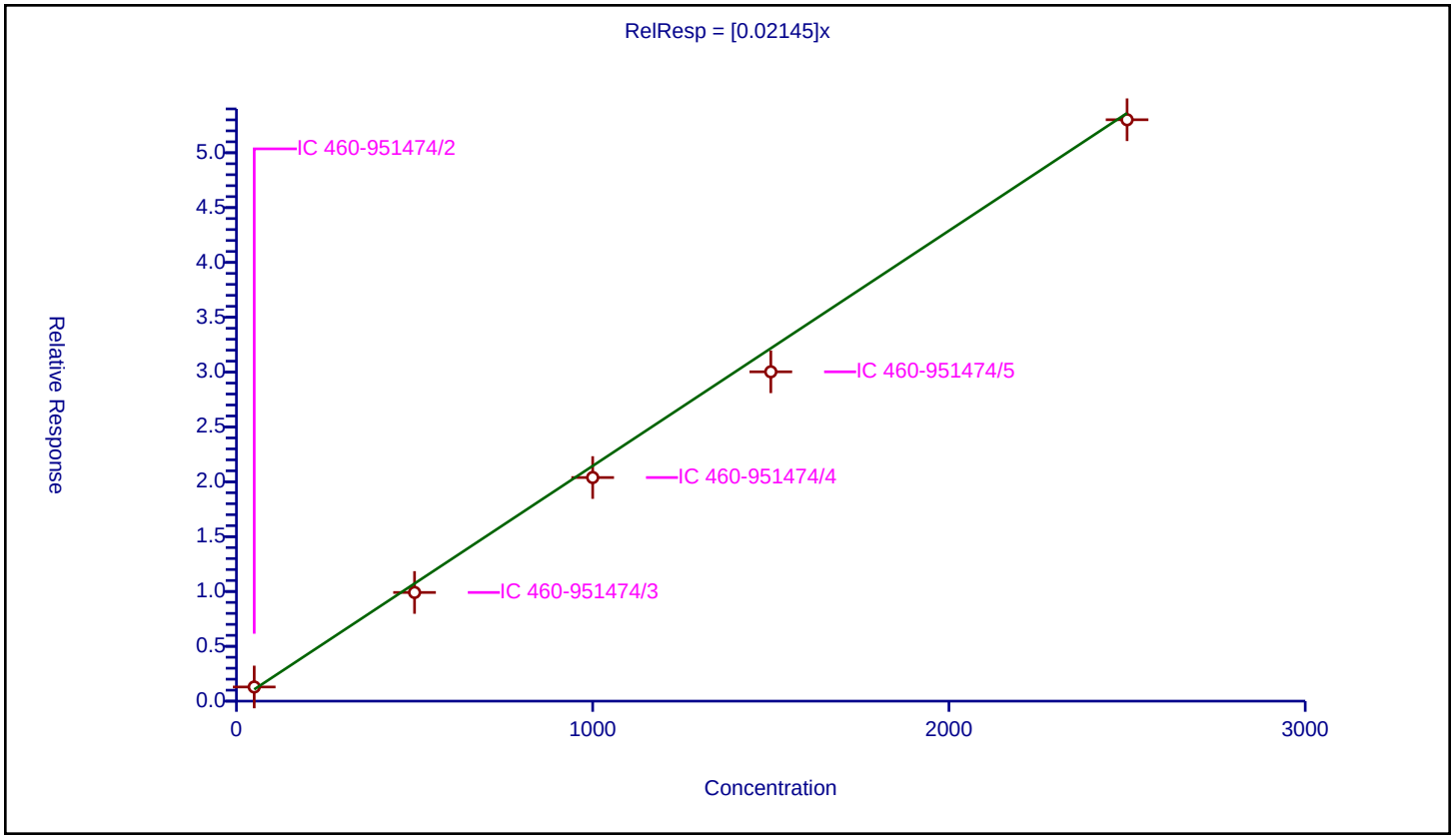
Curve Coefficients

Intercept:	0
Slope:	0.02145

Error Coefficients

Standard Error:	73000000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.289844	20.0	46187507.0	0.025797	Y
2	IC 460-951474/3	500.0	9.909455	20.0	48079830.0	0.019819	Y
3	IC 460-951474/4	1000.0	20.388013	20.0	44138313.0	0.020388	Y
4	IC 460-951474/5	1500.0	30.029724	20.0	46173697.0	0.02002	Y
5	IC 460-951474/6	2500.0	53.012172	20.0	44447285.0	0.021205	Y



Calibration / PCB-1016 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

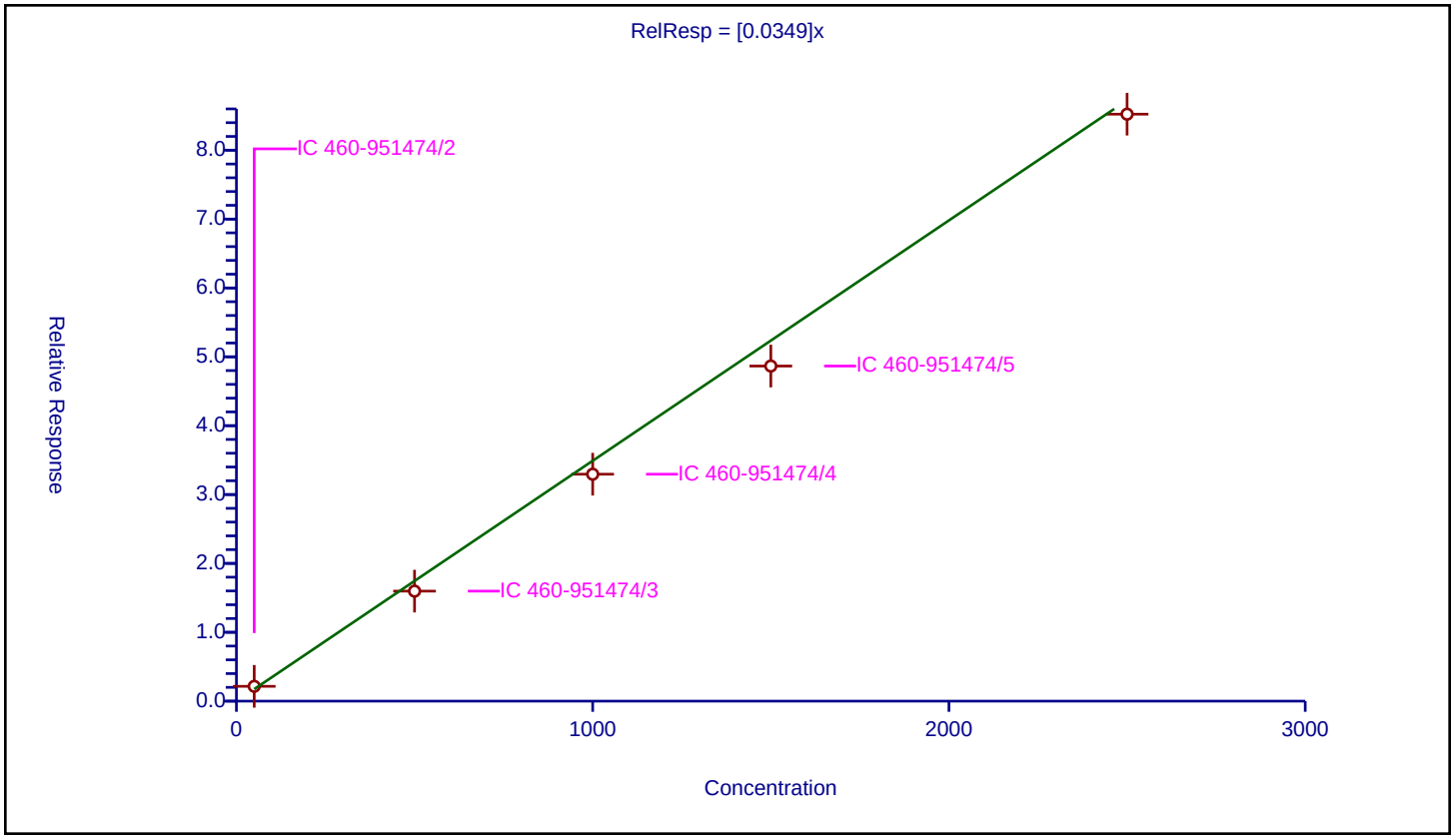
Curve Coefficients

Intercept:	0
Slope:	0.0349

Error Coefficients

Standard Error:	118000000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.154166	20.0	46187507.0	0.043083	Y
2	IC 460-951474/3	500.0	15.973201	20.0	48079830.0	0.031946	Y
3	IC 460-951474/4	1000.0	32.952563	20.0	44138313.0	0.032953	Y
4	IC 460-951474/5	1500.0	48.659618	20.0	46173697.0	0.03244	Y
5	IC 460-951474/6	2500.0	85.23231	20.0	44447285.0	0.034093	Y



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Calibration / PCB-1016 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

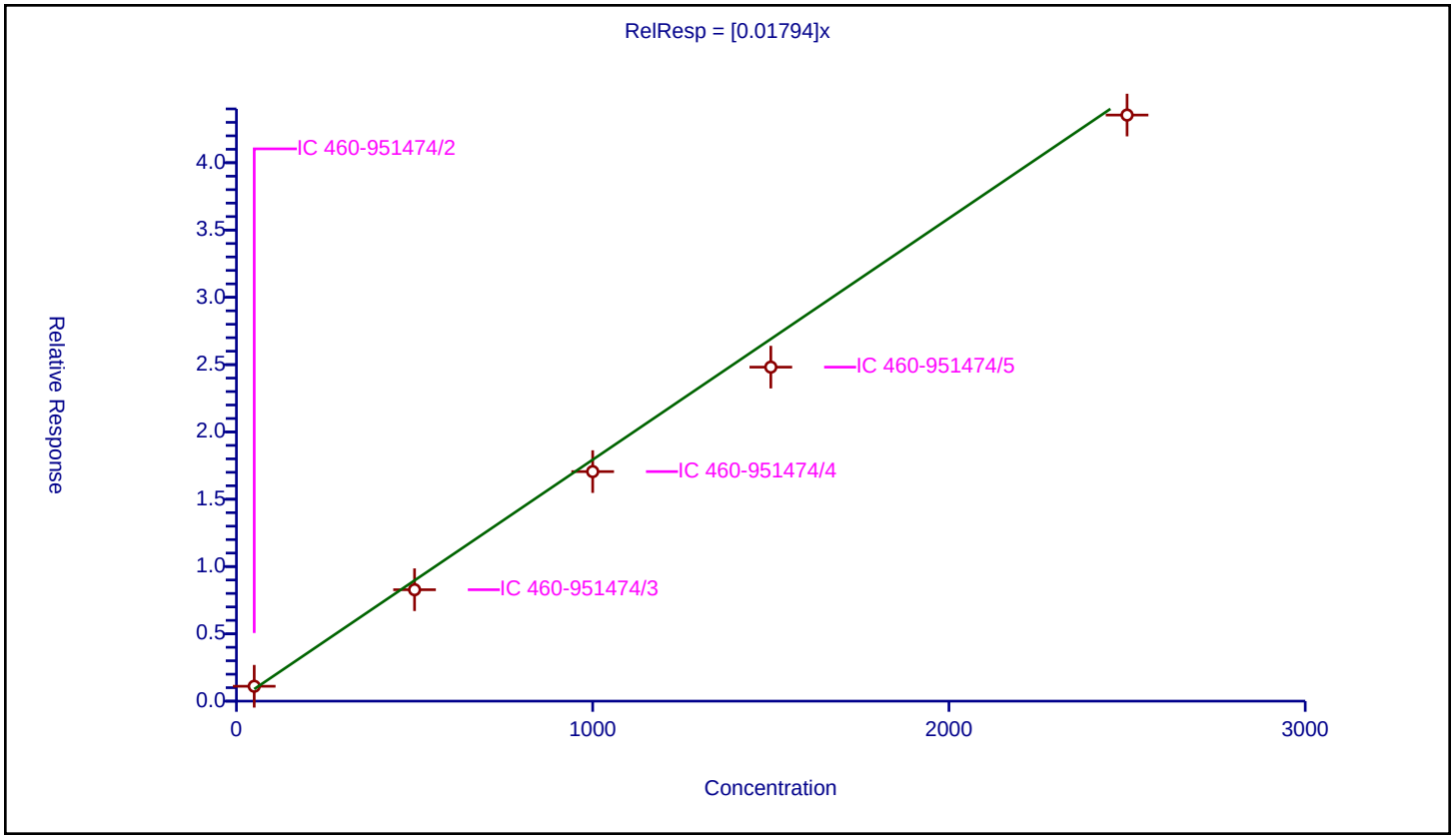
Curve Coefficients

Intercept:	0
Slope:	0.01794

Error Coefficients

Standard Error:	60100000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.105424	20.0	46187507.0	0.022108	Y
2	IC 460-951474/3	500.0	8.277654	20.0	48079830.0	0.016555	Y
3	IC 460-951474/4	1000.0	17.053548	20.0	44138313.0	0.017054	Y
4	IC 460-951474/5	1500.0	24.814674	20.0	46173697.0	0.016543	Y
5	IC 460-951474/6	2500.0	43.542707	20.0	44447285.0	0.017417	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

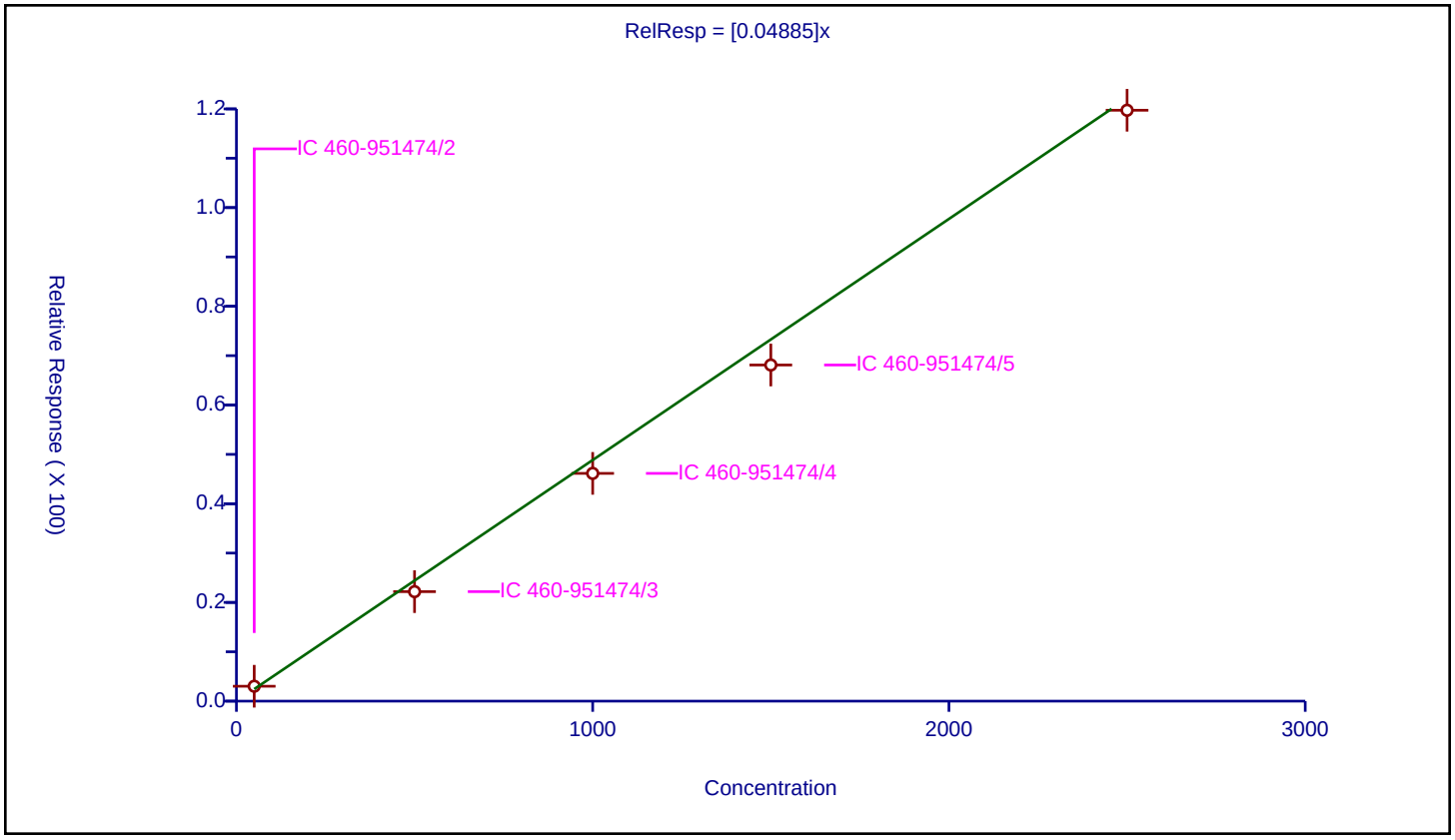
Curve Coefficients

Intercept:	0
Slope:	0.04885

Error Coefficients

Standard Error:	165000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.021791	20.0	46187507.0	0.060436	Y
2	IC 460-951474/3	500.0	22.189032	20.0	48079830.0	0.044378	Y
3	IC 460-951474/4	1000.0	46.149781	20.0	44138313.0	0.04615	Y
4	IC 460-951474/5	1500.0	68.107224	20.0	46173697.0	0.045405	Y
5	IC 460-951474/6	2500.0	119.725411	20.0	44447285.0	0.04789	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

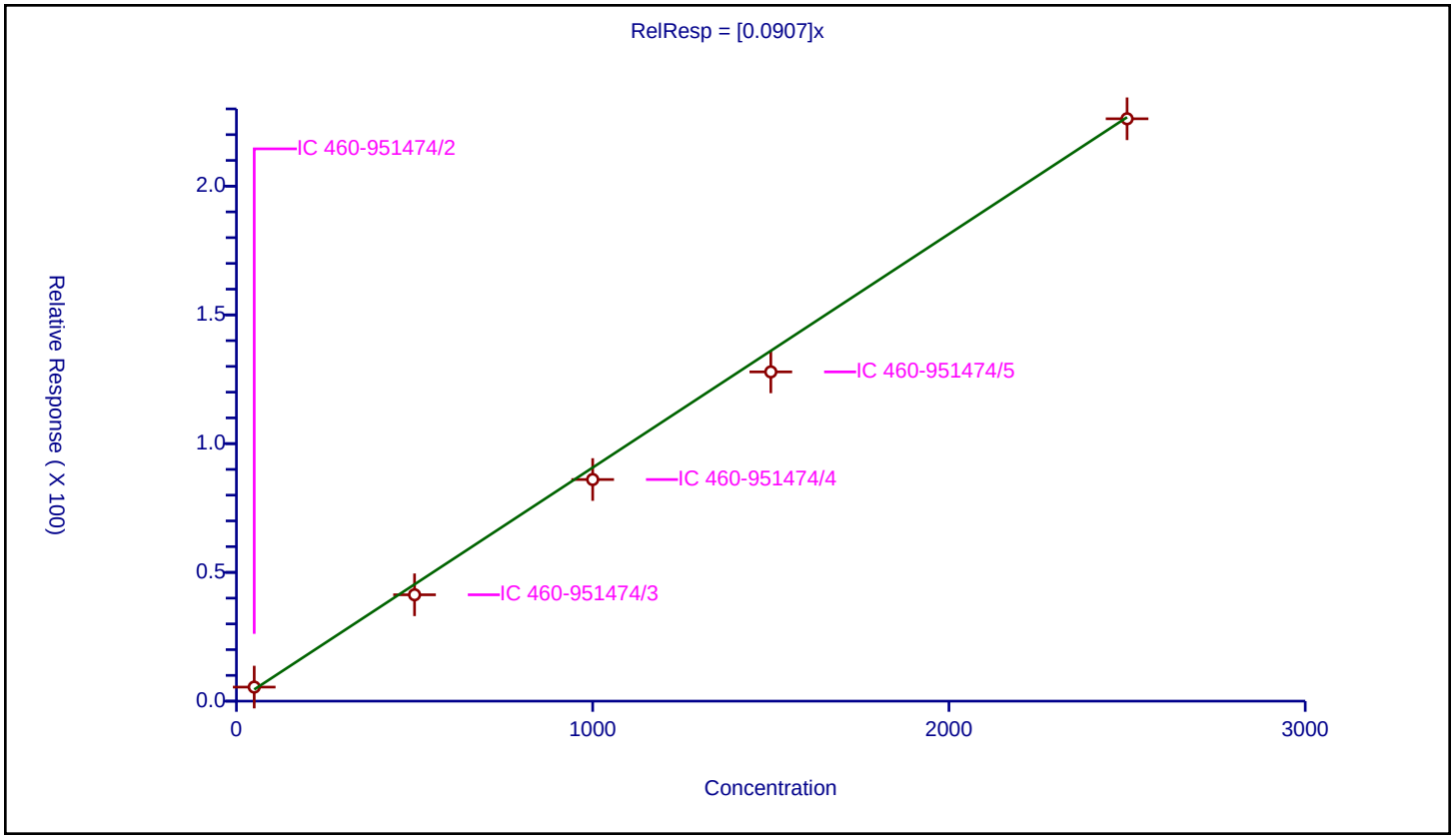
Curve Coefficients

Intercept:	0
Slope:	0.0907

Error Coefficients

Standard Error:	311000000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	5.456531	20.0	46187507.0	0.109131	Y
2	IC 460-951474/3	500.0	41.309504	20.0	48079830.0	0.082619	Y
3	IC 460-951474/4	1000.0	86.058851	20.0	44138313.0	0.086059	Y
4	IC 460-951474/5	1500.0	127.865967	20.0	46173697.0	0.085244	Y
5	IC 460-951474/6	2500.0	226.159224	20.0	44447285.0	0.090464	Y



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Calibration / PCB-1260 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

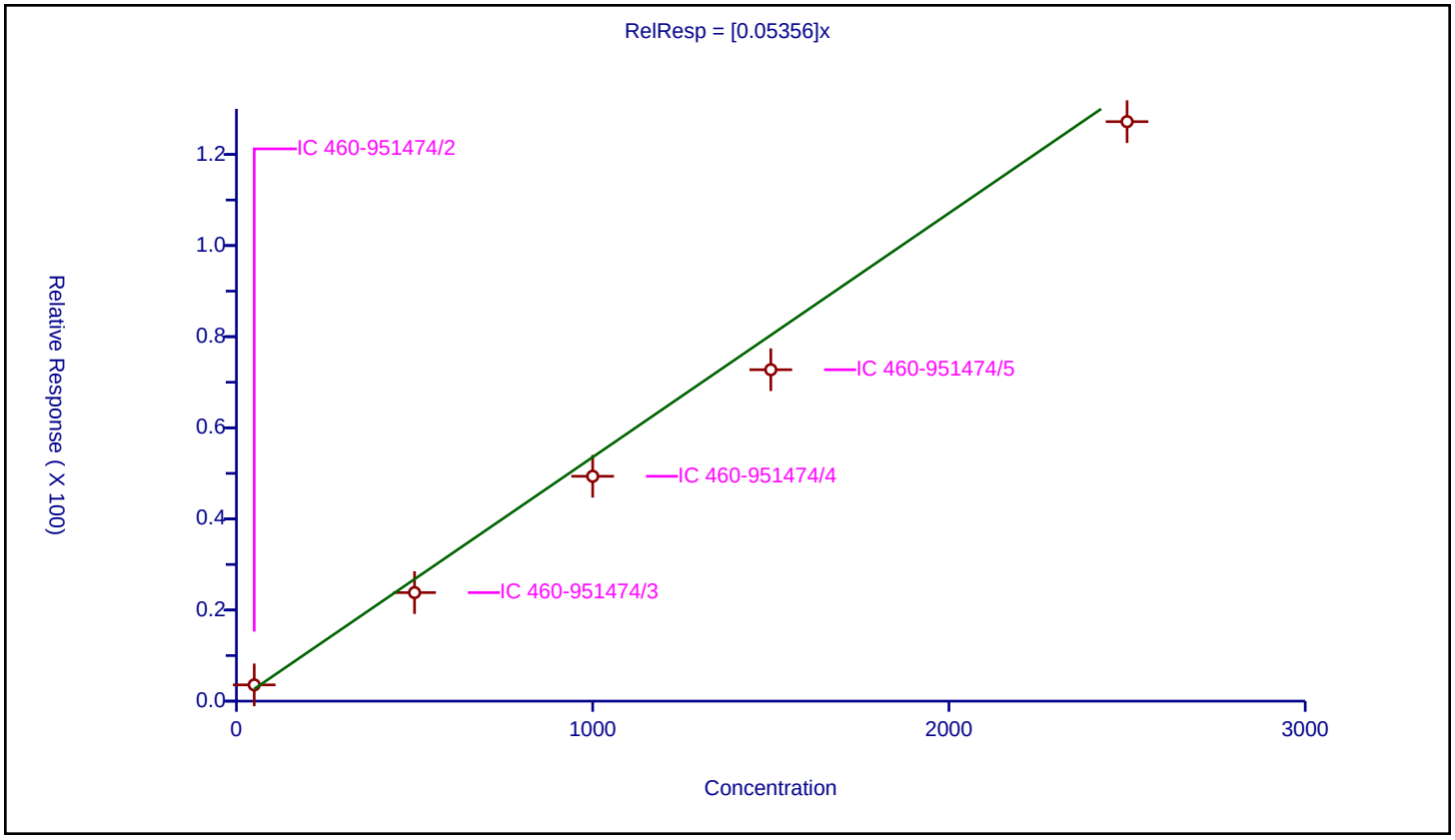
Curve Coefficients

Intercept:	0
Slope:	0.05356

Error Coefficients

Standard Error:	176000000
Relative Standard Error:	18.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.570019	20.0	46187507.0	0.0714	Y
2	IC 460-951474/3	500.0	23.824822	20.0	48079830.0	0.04765	Y
3	IC 460-951474/4	1000.0	49.356196	20.0	44138313.0	0.049356	Y
4	IC 460-951474/5	1500.0	72.746349	20.0	46173697.0	0.048498	Y
5	IC 460-951474/6	2500.0	127.198643	20.0	44447285.0	0.050879	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

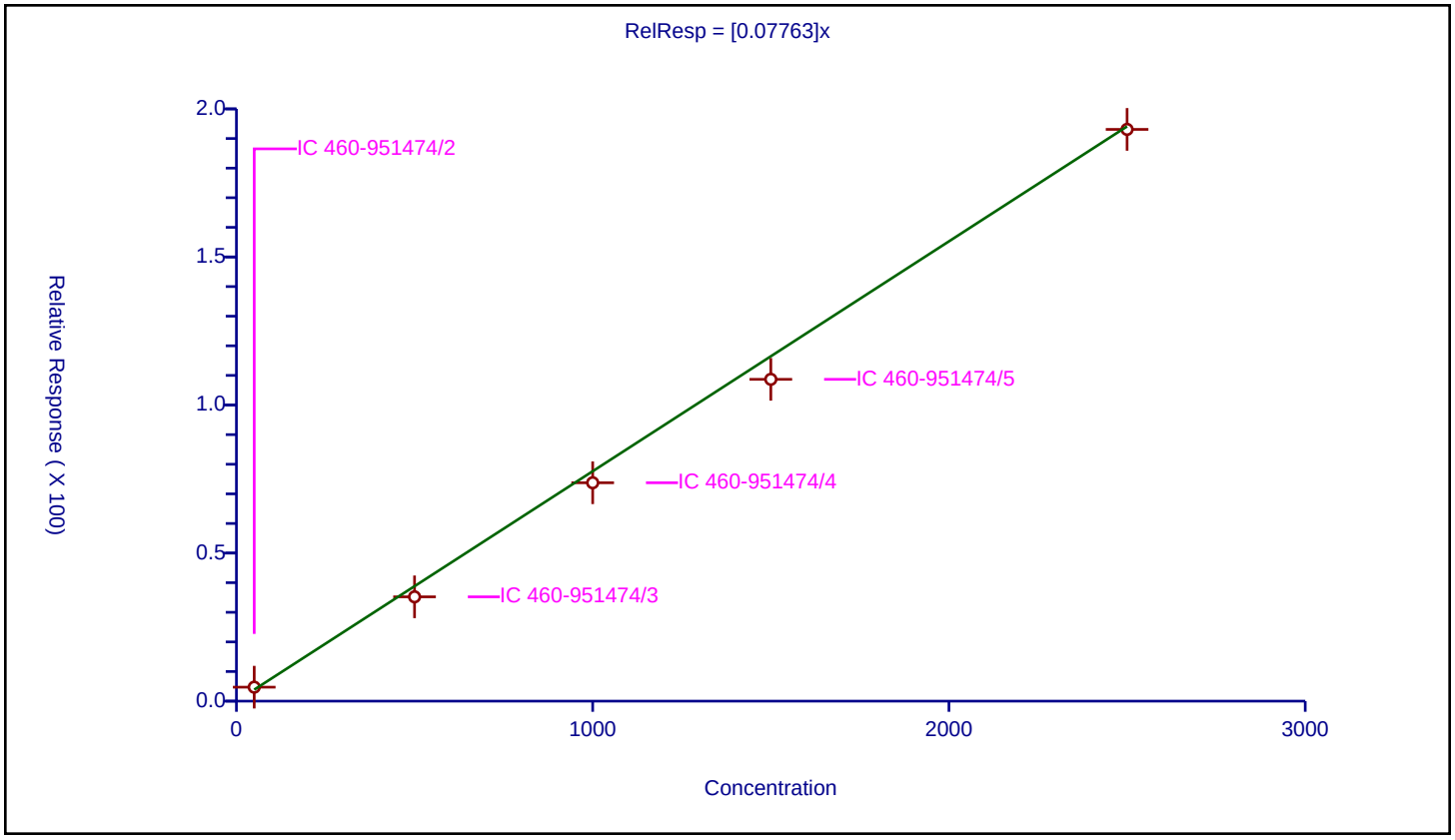
Curve Coefficients

Intercept:	0
Slope:	0.07763

Error Coefficients

Standard Error:	265000000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.714484	20.0	46187507.0	0.09429	Y
2	IC 460-951474/3	500.0	35.225499	20.0	48079830.0	0.070451	Y
3	IC 460-951474/4	1000.0	73.745206	20.0	44138313.0	0.073745	Y
4	IC 460-951474/5	1500.0	108.676664	20.0	46173697.0	0.072451	Y
5	IC 460-951474/6	2500.0	193.075321	20.0	44447285.0	0.07723	Y



Calibration / PCB-1260 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

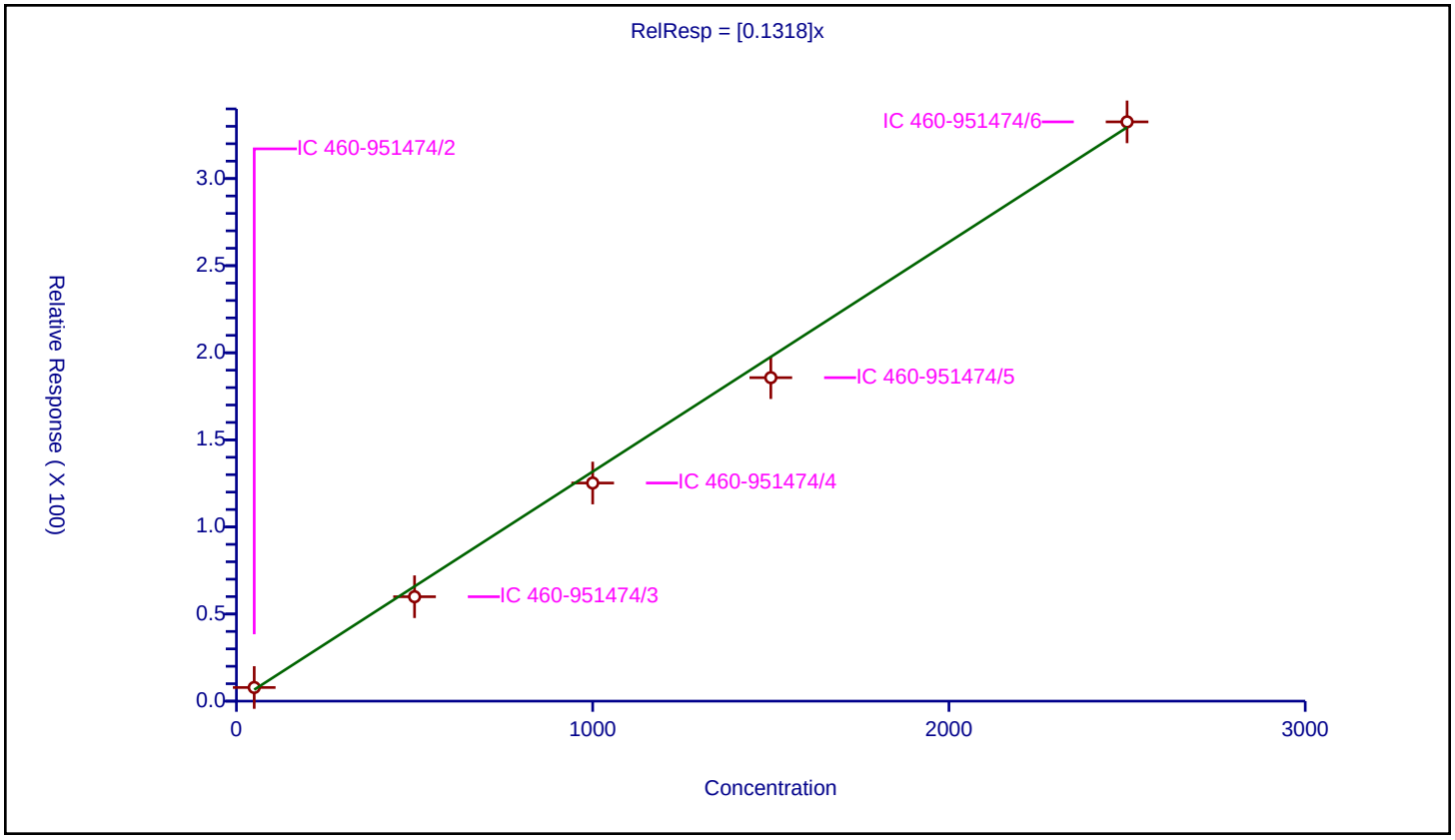
Curve Coefficients

Intercept:	0
Slope:	0.1318

Error Coefficients

Standard Error:	455000000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	7.843435	20.0	46187507.0	0.156869	Y
2	IC 460-951474/3	500.0	59.948373	20.0	48079830.0	0.119897	Y
3	IC 460-951474/4	1000.0	125.224951	20.0	44138313.0	0.125225	Y
4	IC 460-951474/5	1500.0	185.709751	20.0	46173697.0	0.123807	Y
5	IC 460-951474/6	2500.0	332.548289	20.0	44447285.0	0.133019	Y



Calibration / PCB-1260 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

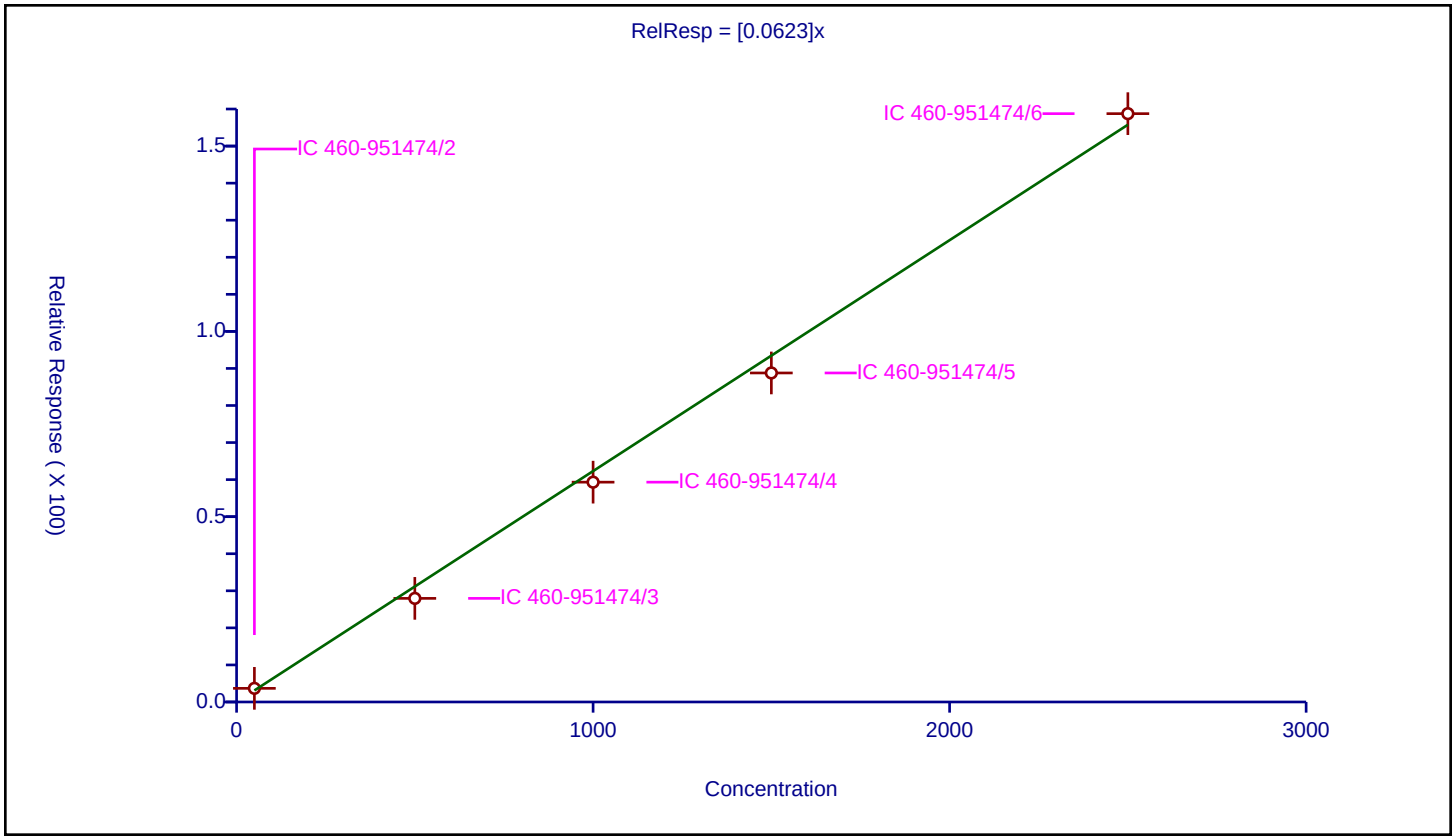
Curve Coefficients

Intercept:	0
Slope:	0.0623

Error Coefficients

Standard Error:	217000000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.680369	20.0	46187507.0	0.073607	Y
2	IC 460-951474/3	500.0	27.955244	20.0	48079830.0	0.05591	Y
3	IC 460-951474/4	1000.0	59.311661	20.0	44138313.0	0.059312	Y
4	IC 460-951474/5	1500.0	88.778172	20.0	46173697.0	0.059185	Y
5	IC 460-951474/6	2500.0	158.751323	20.0	44447285.0	0.063501	Y



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Calibration / PCB-1260 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

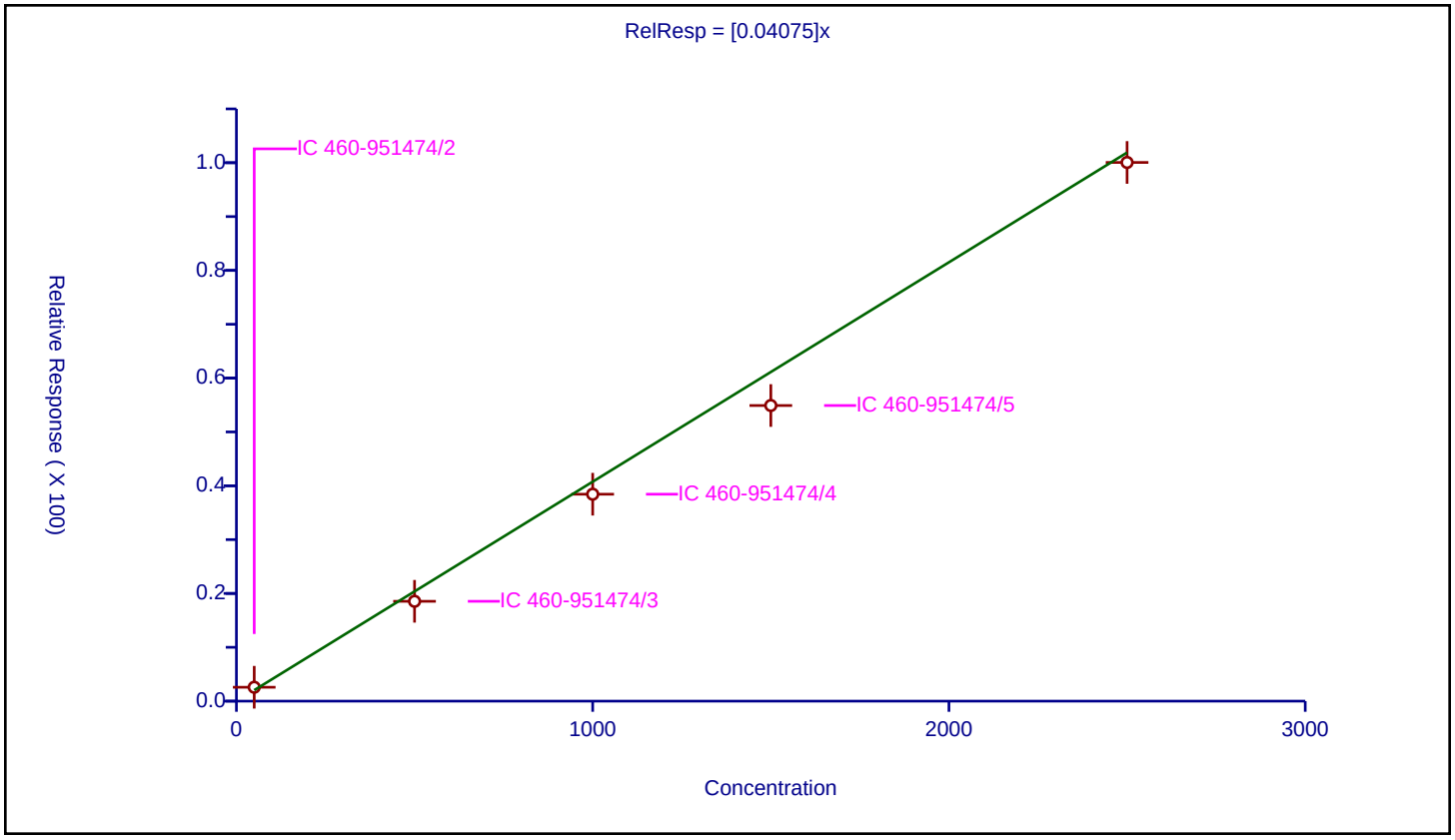
Curve Coefficients

Intercept:	0
Slope:	0.04075

Error Coefficients

Standard Error:	137000000
Relative Standard Error:	15.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.581045	20.0	46187507.0	0.051621	Y
2	IC 460-951474/3	500.0	18.543644	20.0	48079830.0	0.037087	Y
3	IC 460-951474/4	1000.0	38.435793	20.0	44138313.0	0.038436	Y
4	IC 460-951474/5	1500.0	54.909429	20.0	46173697.0	0.036606	Y
5	IC 460-951474/6	2500.0	100.05242	20.0	44447285.0	0.040021	Y



Calibration / PCB-1260 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

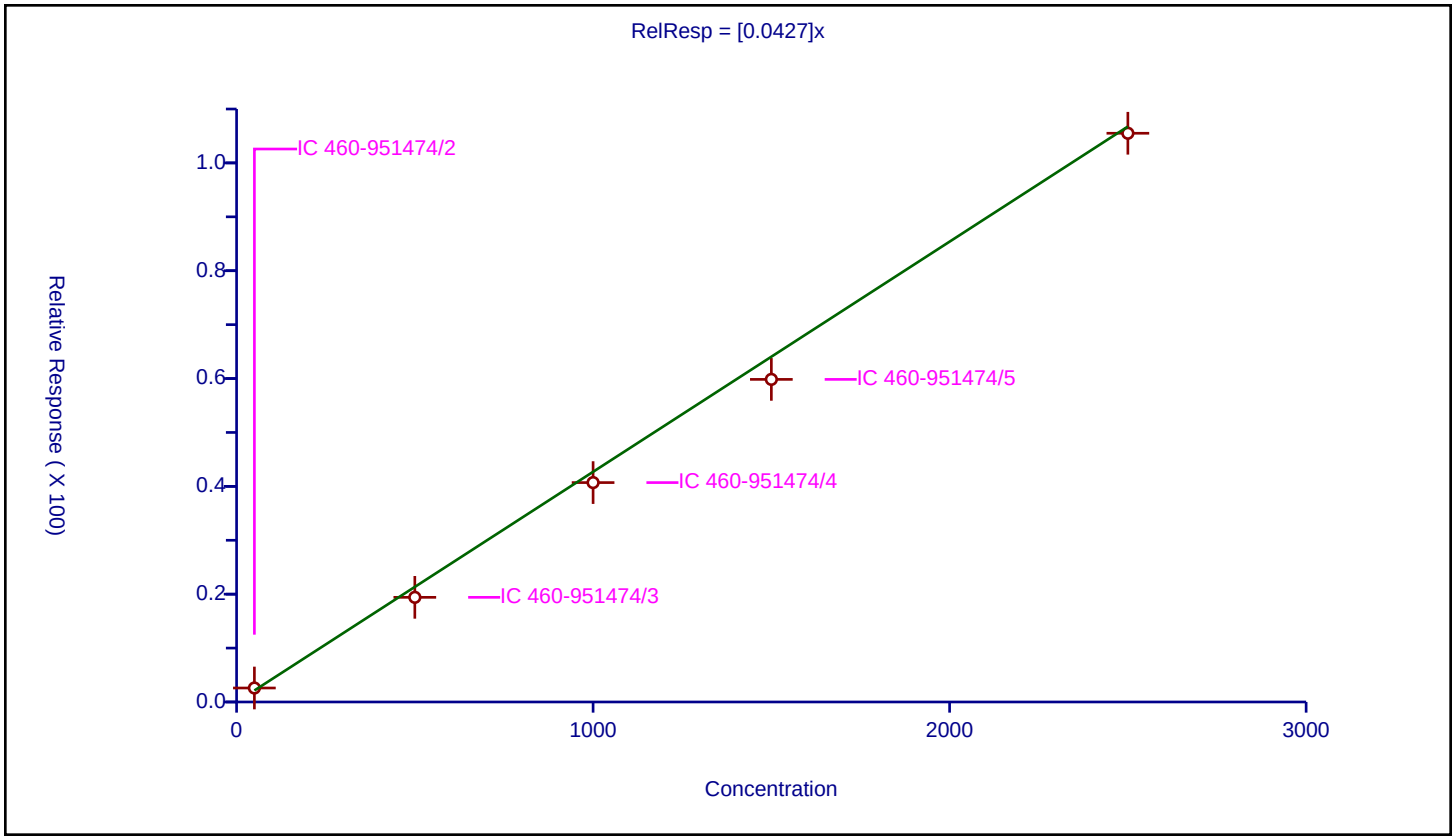
Curve Coefficients

Intercept:	0
Slope:	0.0427

Error Coefficients

Standard Error:	145000000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.593158	20.0	46187507.0	0.051863	Y
2	IC 460-951474/3	500.0	19.415365	20.0	48079830.0	0.038831	Y
3	IC 460-951474/4	1000.0	40.701465	20.0	44138313.0	0.040701	Y
4	IC 460-951474/5	1500.0	59.842747	20.0	46173697.0	0.039895	Y
5	IC 460-951474/6	2500.0	105.503299	20.0	44447285.0	0.042201	Y



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Calibration / DCB Decachlorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

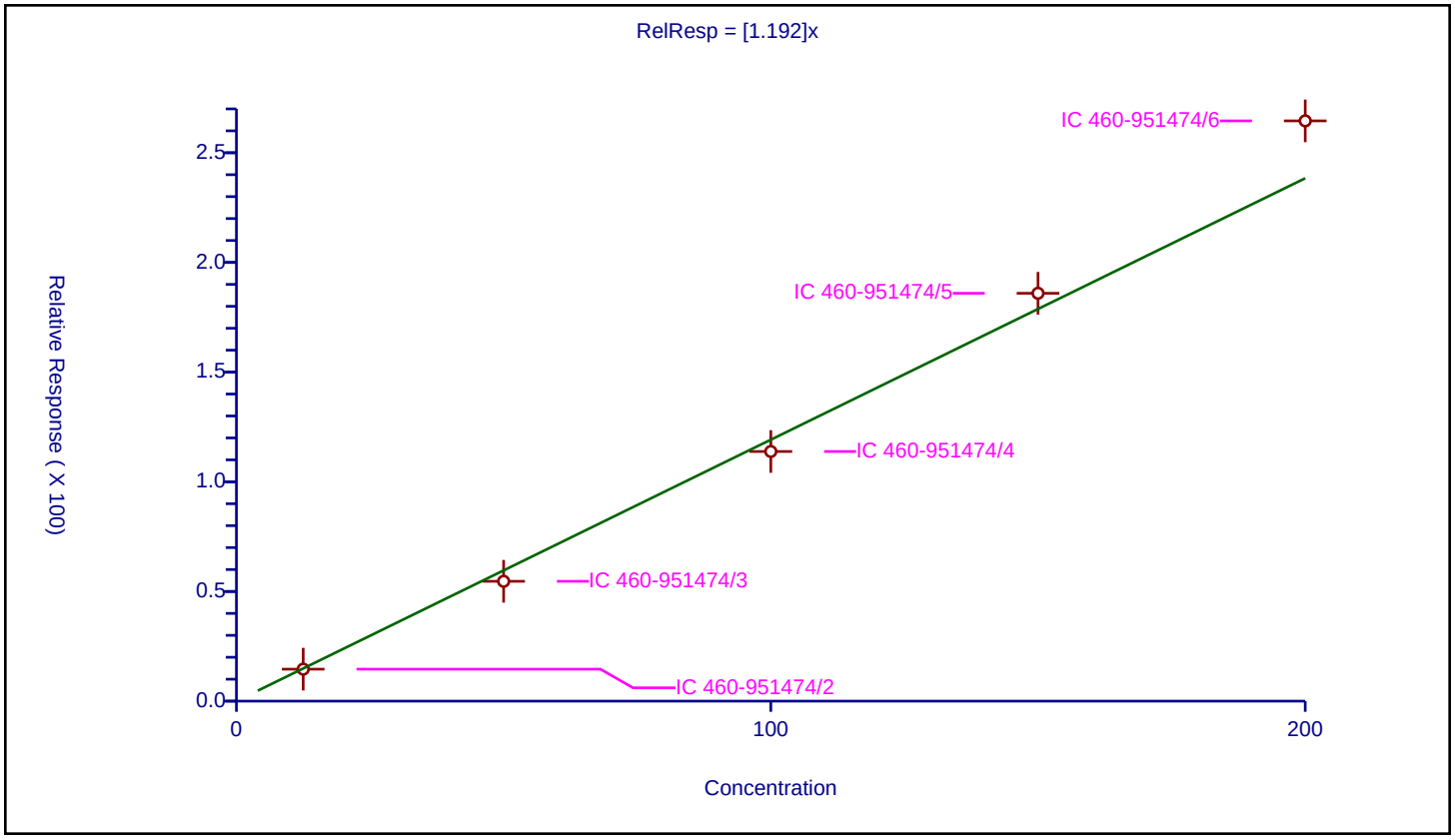
Curve Coefficients

Intercept:	0
Slope:	1.192

Error Coefficients

Standard Error:	391000000
Relative Standard Error:	7.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	14.578994	20.0	46187507.0	1.16632	Y
2	IC 460-951474/3	50.0	54.62861	20.0	48079830.0	1.092572	Y
3	IC 460-951474/4	100.0	113.814578	20.0	44138313.0	1.138146	Y
4	IC 460-951474/5	150.0	185.937608	20.0	46173697.0	1.239584	Y
5	IC 460-951474/6	200.0	264.540775	20.0	44447285.0	1.322704	Y



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FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 Calibration End Date: 12/21/2023 12:23 Calibration ID: 95508

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0045					Ave		0.0045						20.0			
PCB-1221 Peak 2	0.0077					Ave		0.0077						20.0			
PCB-1221 Peak 3	0.0052					Ave		0.0052						20.0			
PCB-1221 Peak 4	0.0192					Ave		0.0192						20.0			
PCB-1221 Peak 5	0.0020					Ave		0.0020						20.0			
PCB-1221 Peak 6	0.0043					Ave		0.0043						20.0			
PCB-1221 Peak 7	0.0022					Ave		0.0022						20.0			
PCB-1221 Peak 8	0.0014					Ave		0.0014						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 | Calibration End Date: 12/21/2023 12:23 | Calibration ID: 95508

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	10786897					1000				
PCB-1221 Peak 2	BNB	Ave	18422276					1000				
PCB-1221 Peak 3	BNB	Ave	12448941					1000				
PCB-1221 Peak 4	BNB	Ave	45754964					1000				
PCB-1221 Peak 5	BNB	Ave	4818974					1000				
PCB-1221 Peak 6	BNB	Ave	10376432					1000				
PCB-1221 Peak 7	BNB	Ave	5221601					1000				
PCB-1221 Peak 8	BNB	Ave	3430002					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:23:13 ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:56 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.441	1.441	0.000	47784110	20.0	20.0	M
2	1.227	1.227	0.000	43818560	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.855	1.855	0.000	10786897	1000.0	1000.0	M
1	2.677	2.677	0.000	18422276	1000.0	1000.0	
1	2.842	2.842	0.000	12448941	1000.0	1000.0	M
1	2.912	2.912	0.000	45754964	1000.0	1000.0	M
1	3.457	3.457	0.000	4818974	1000.0	1000.0	
1	3.948	3.948	0.000	10376432	1000.0	1000.0	M
1	4.113	4.113	0.000	5221601	1000.0	1000.0	M
1	4.237	4.237	0.000	3430002	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.407	1.407	0.000	15194154	1000.0	1000.0	M
2	2.009	2.009	0.000	25462578	1000.0	1000.0	
2	2.150	2.150	0.000	13443406	1000.0	1000.0	
2	2.188	2.188	0.000	55417844	1000.0	1000.0	
2	2.550	2.550	0.000	7452346	1000.0	1000.0	
2	2.670	2.670	0.000	7521662	1000.0	1000.0	
2	3.031	3.031	0.000	13137928	1000.0	1000.0	
2	3.177	3.177	0.000	5475921	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

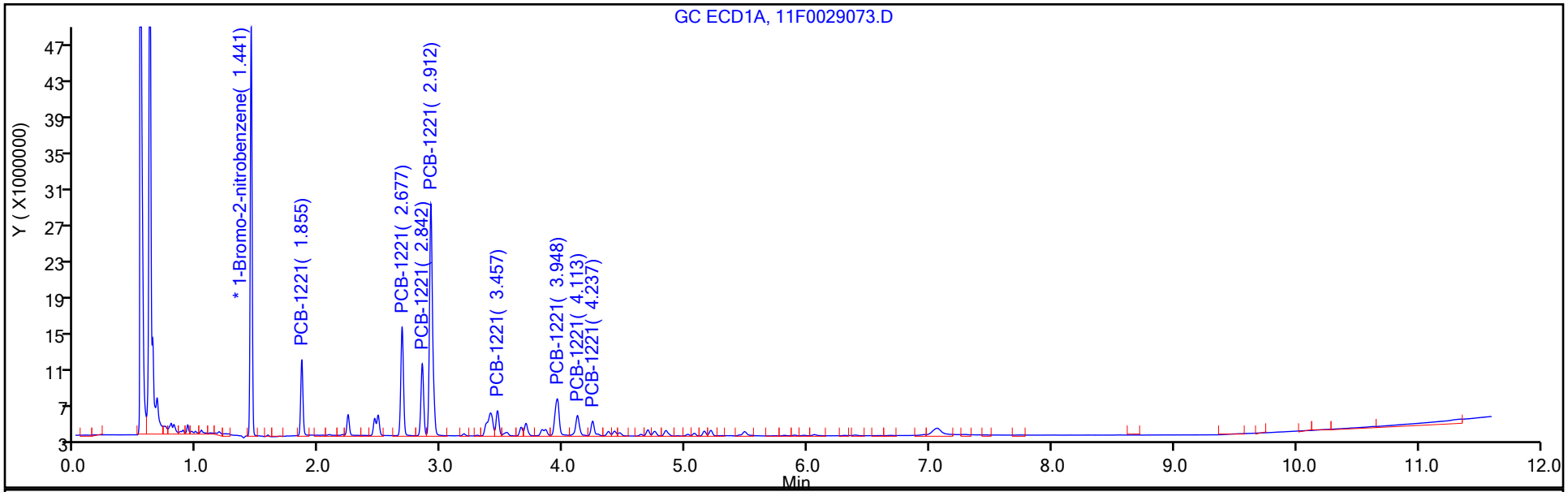
SG1221L4_00034	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

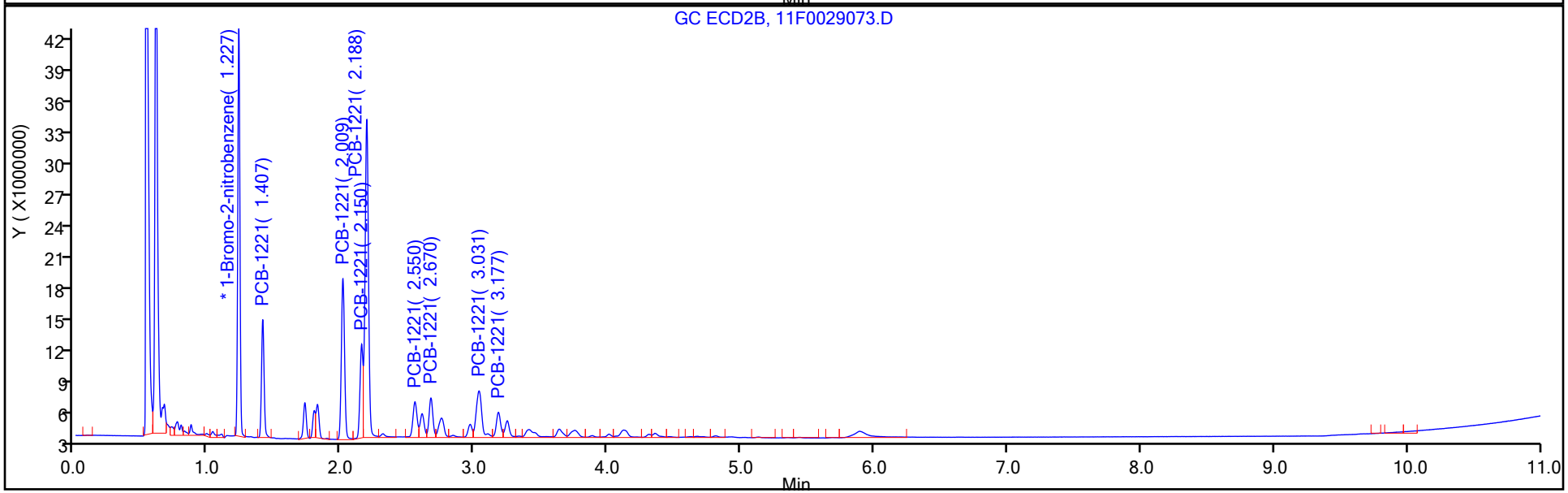
Report Date: 21-Dec-2023 14:23:56 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D

Injection Date:	21-Dec-2023 12:23:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

Eurofins Edison

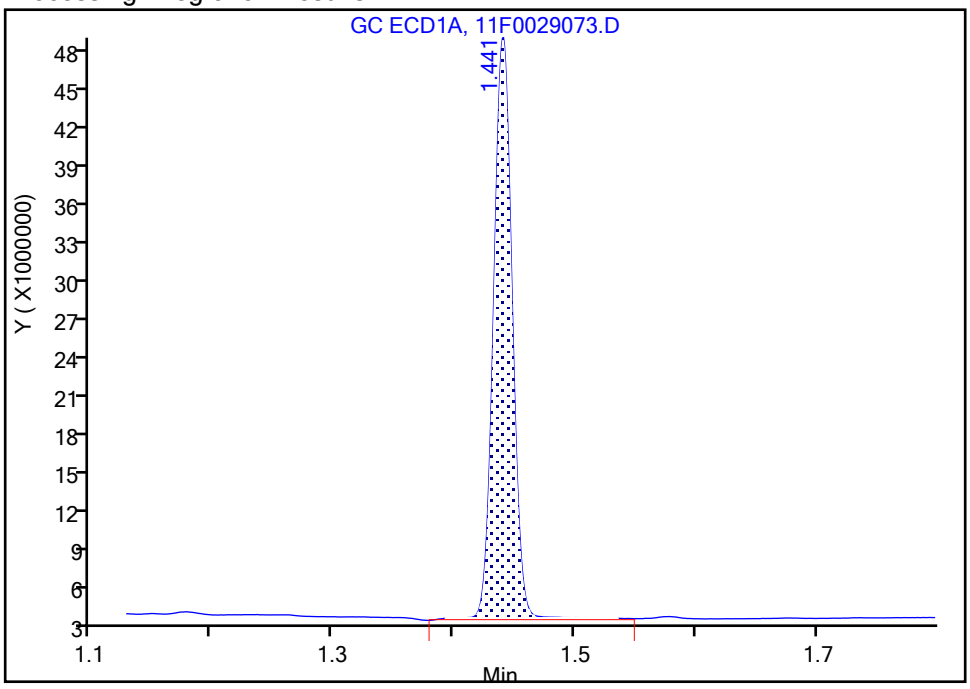
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

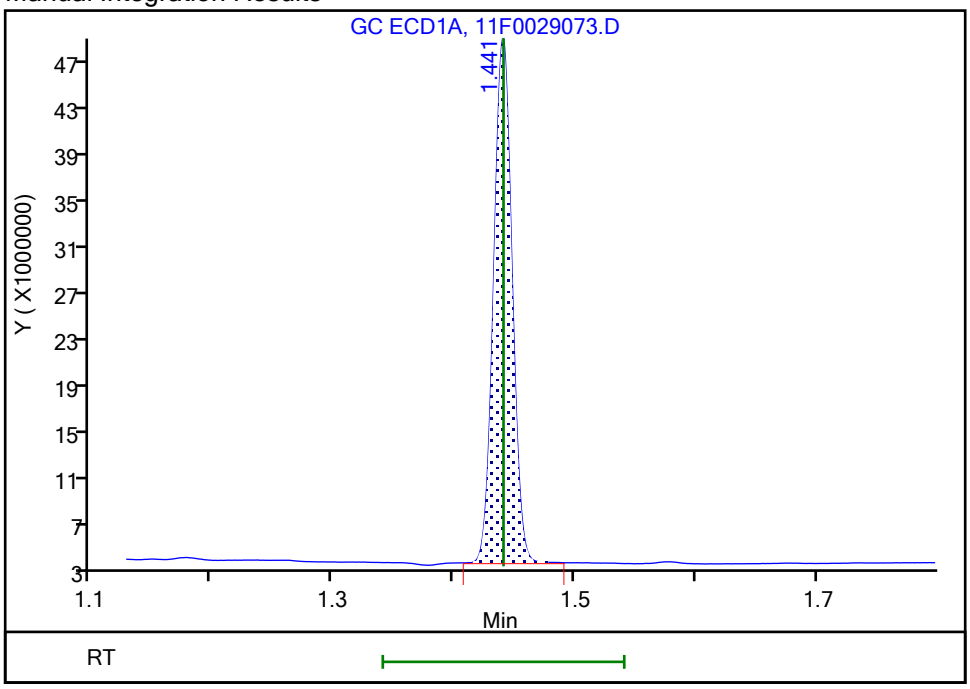
Processing Integration Results

RT: 1.44
Area: 49040806
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 47784110
Amount: 20.000000
Amount Units: ug/l



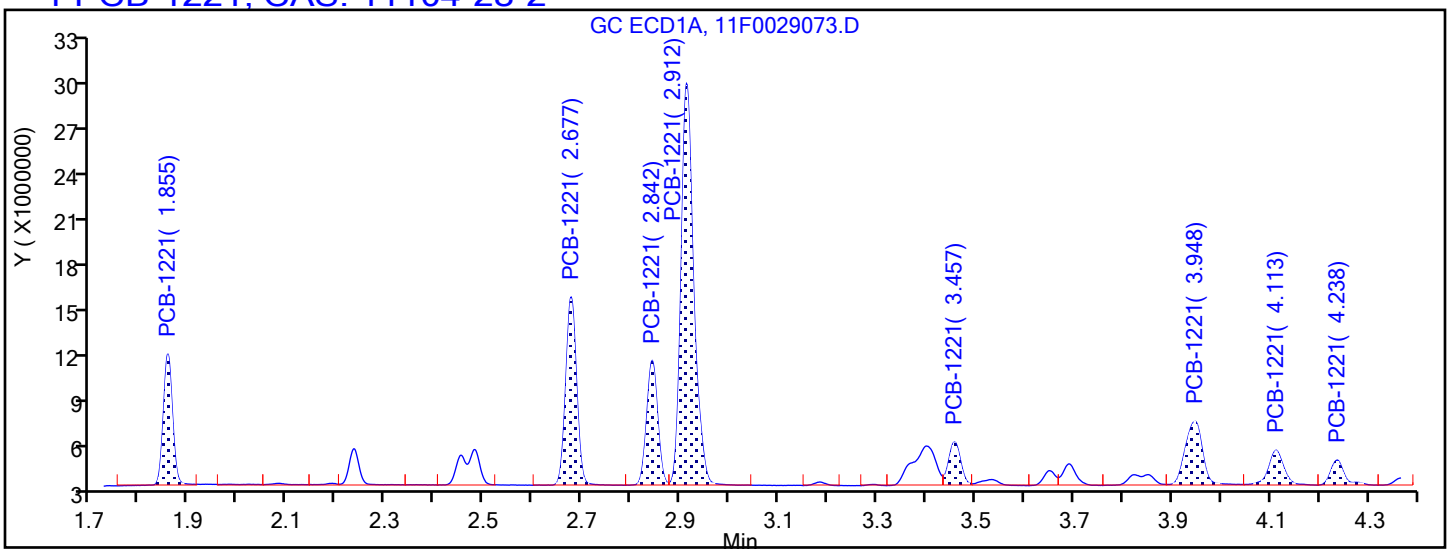
Reviewer: OR9X, 21-Dec-2023 14:19:42 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

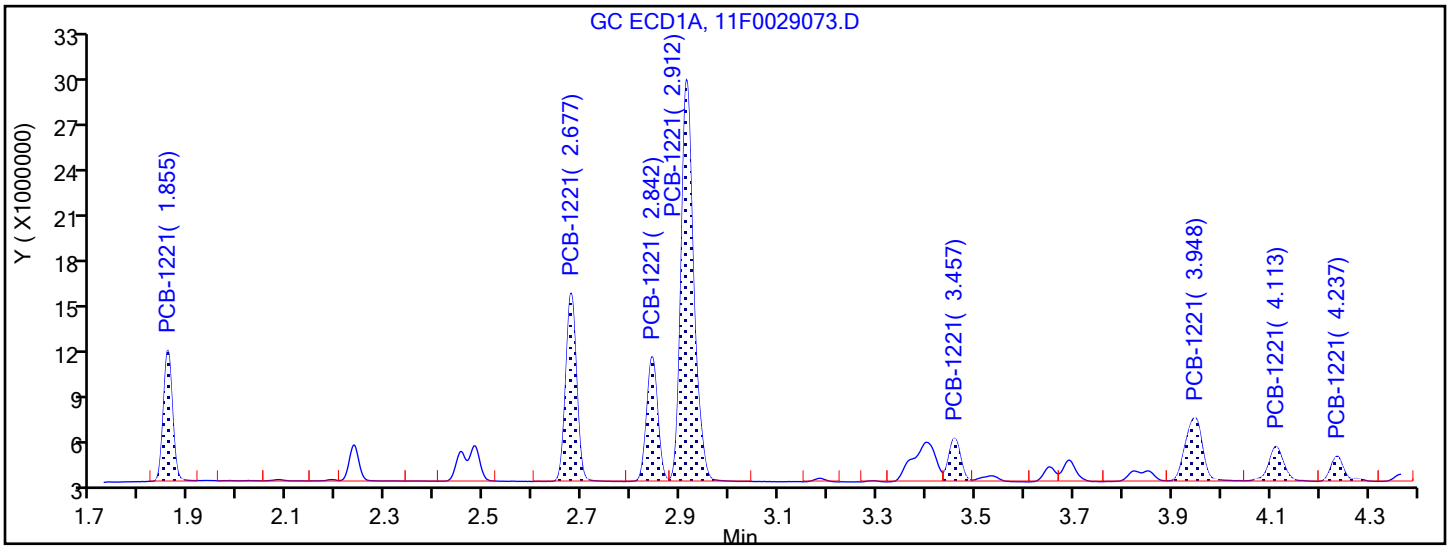
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.855	Response = 11064563
2.677	Response = 18422276
2.842	Response = 12405227
2.912	Response = 45633894
3.457	Response = 4818974
3.948	Response = 10229551
4.113	Response = 5073726
4.238	Response = 3316202



Manual Integration Results

1.855	Response = 10786897	M
2.677	Response = 18422276	
2.842	Response = 12448941	M
2.912	Response = 45754964	M
3.457	Response = 4818974	
3.948	Response = 10376432	M

Calibration / PCB-1221 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

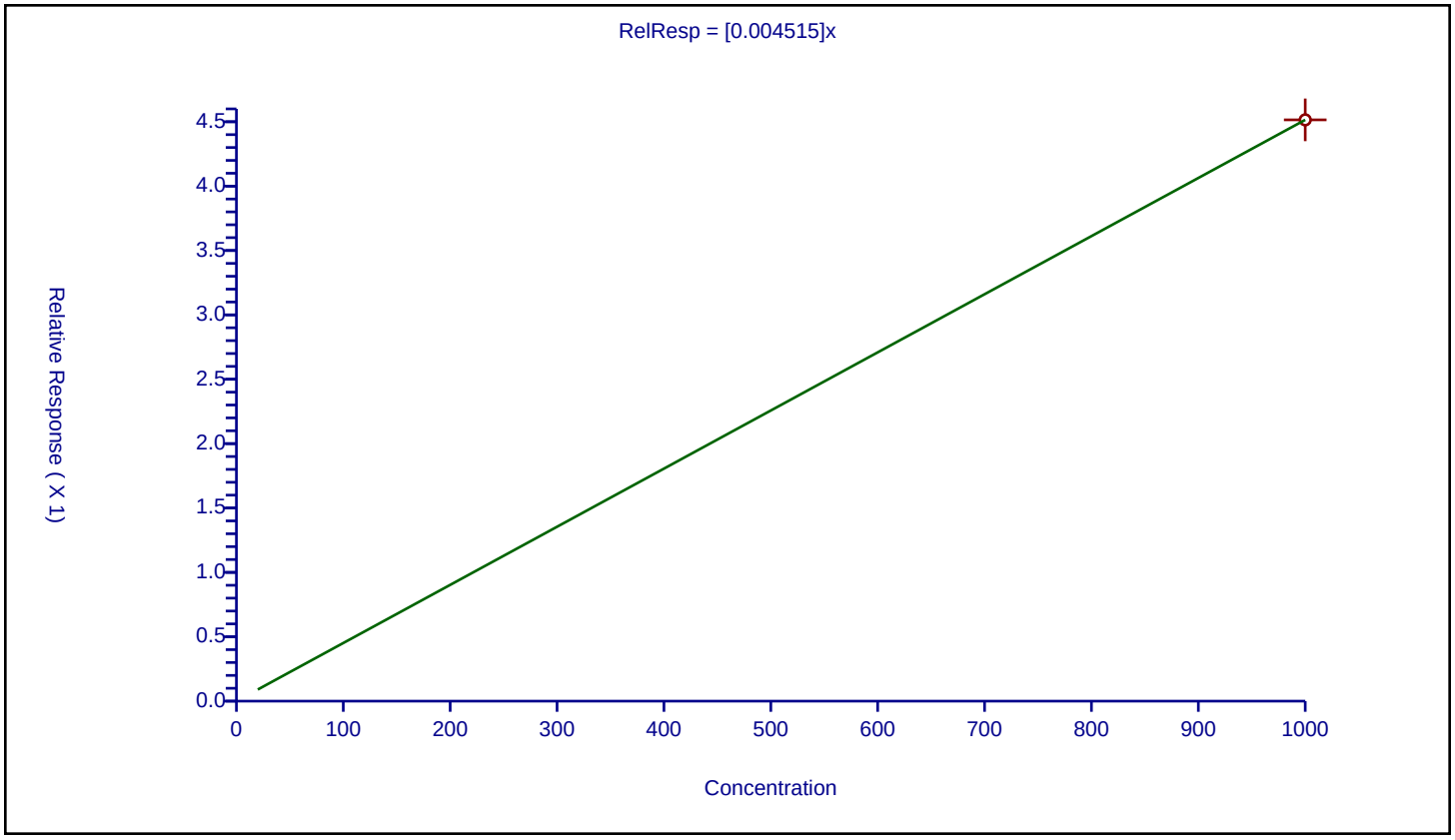
Curve Coefficients

Intercept:	0
Slope:	0.004515

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	4.514847	20.0	47784110.0	0.004515	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

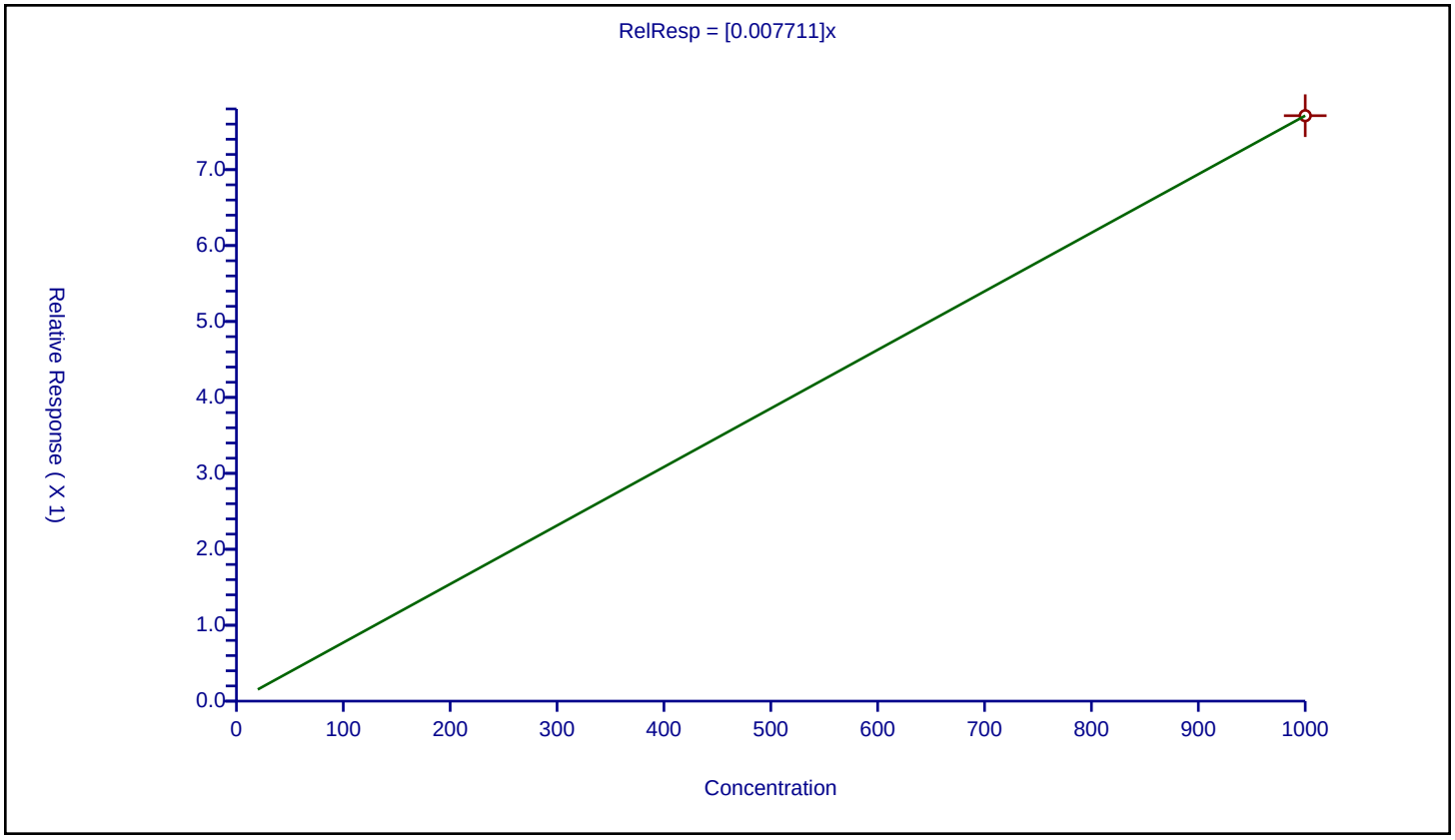
Curve Coefficients

Intercept:	0
Slope:	0.007711

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	7.710628	20.0	47784110.0	0.007711	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

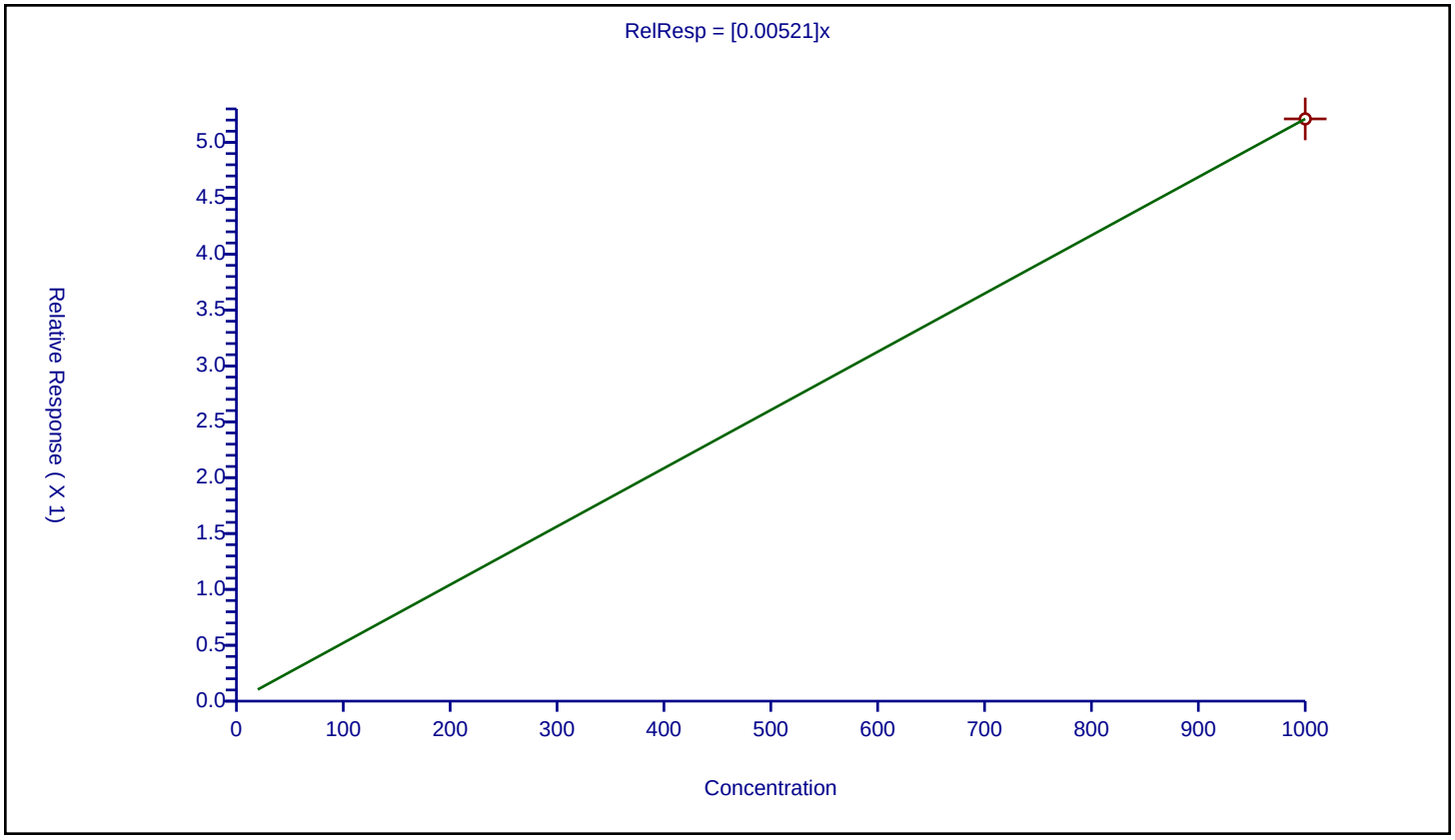
Curve Coefficients

Intercept:	0
Slope:	0.00521

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	5.210494	20.0	47784110.0	0.00521	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

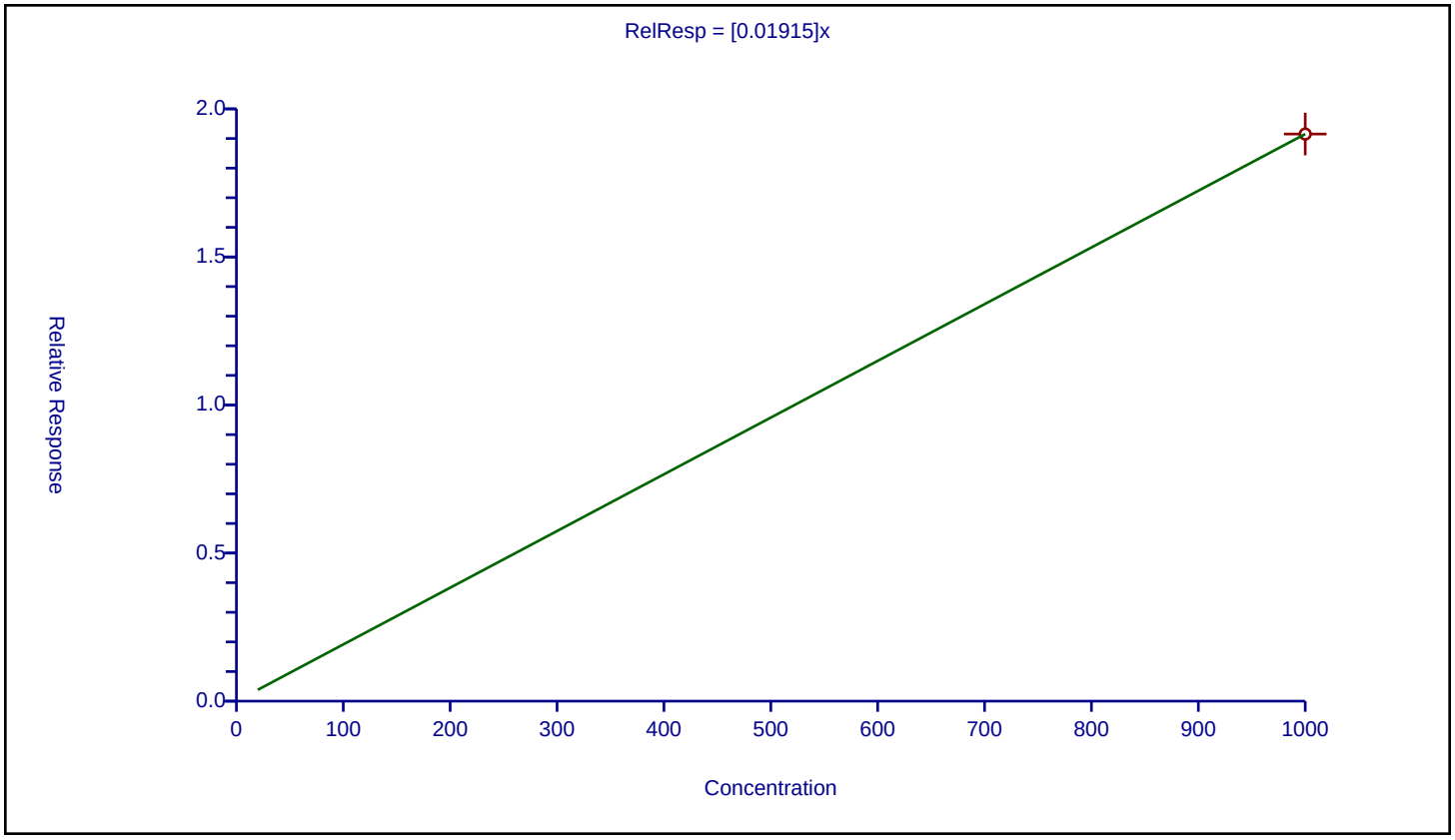
Curve Coefficients

Intercept:	0
Slope:	0.01915

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	19.150703	20.0	47784110.0	0.019151	Y



Calibration / PCB-1221 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

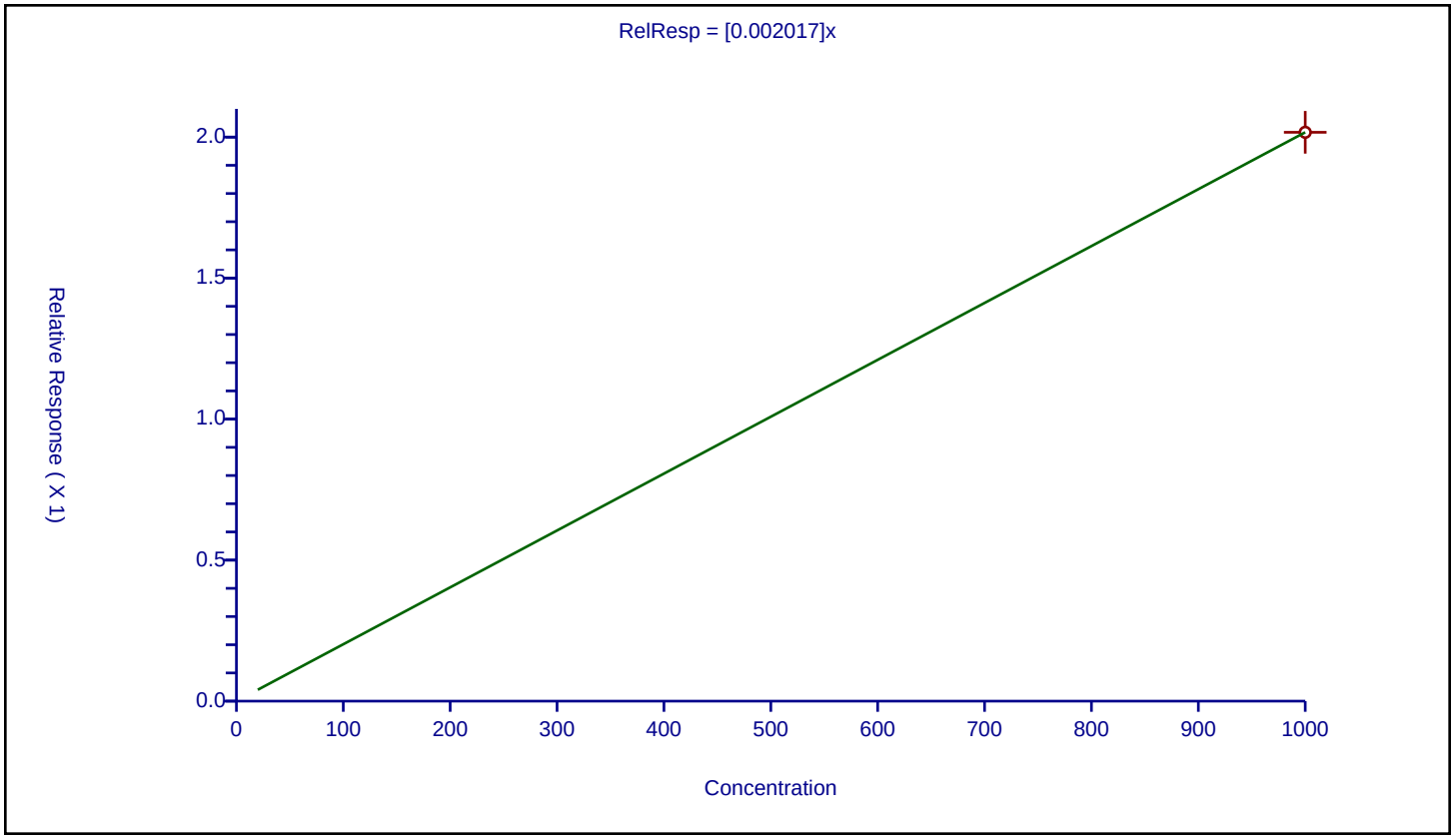
Curve Coefficients

Intercept:	0
Slope:	0.002017

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.016978	20.0	47784110.0	0.002017	Y



Calibration / PCB-1221 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

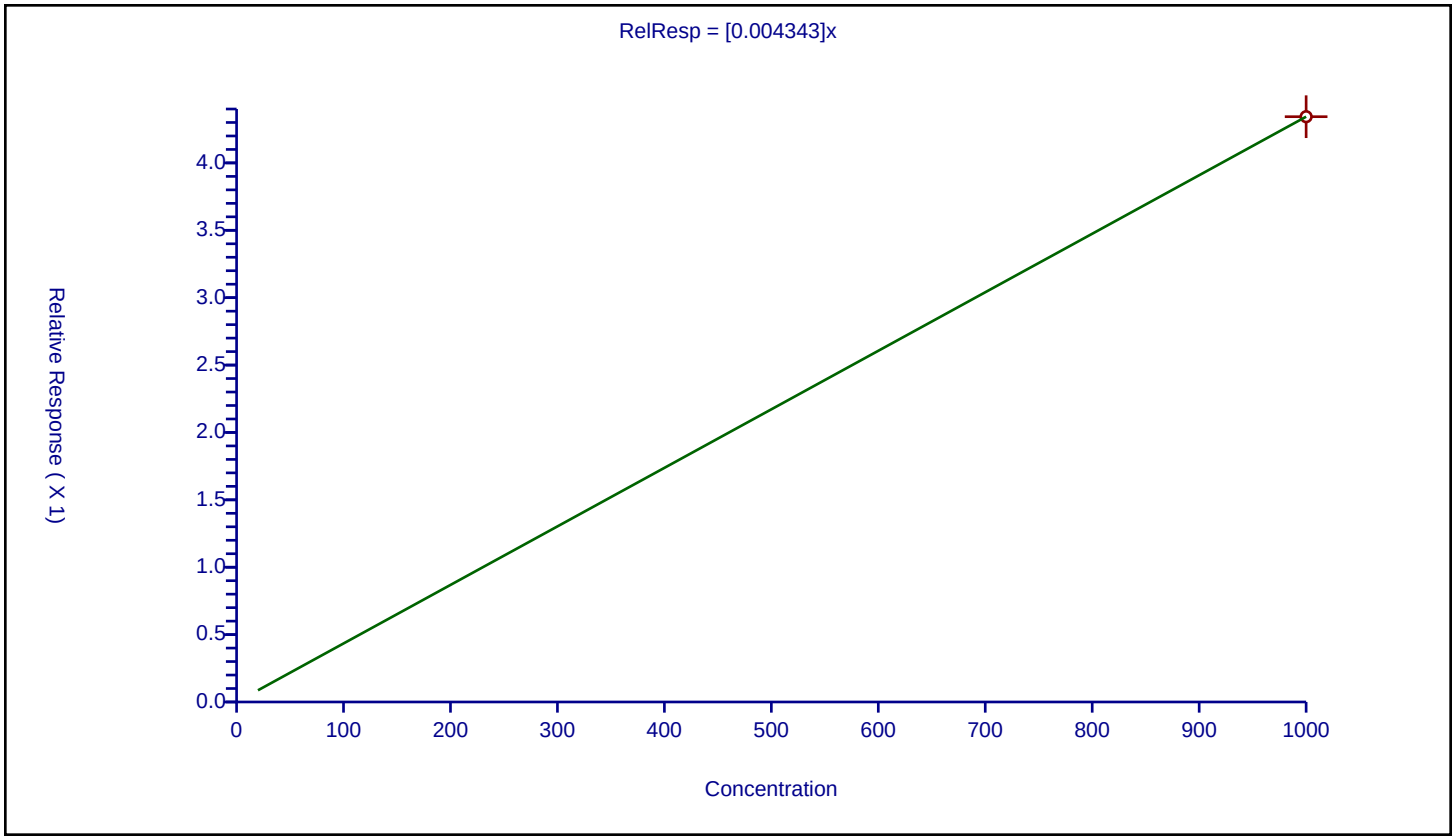
Curve Coefficients

Intercept:	0
Slope:	0.004343

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	4.343047	20.0	47784110.0	0.004343	Y



Calibration / PCB-1221 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

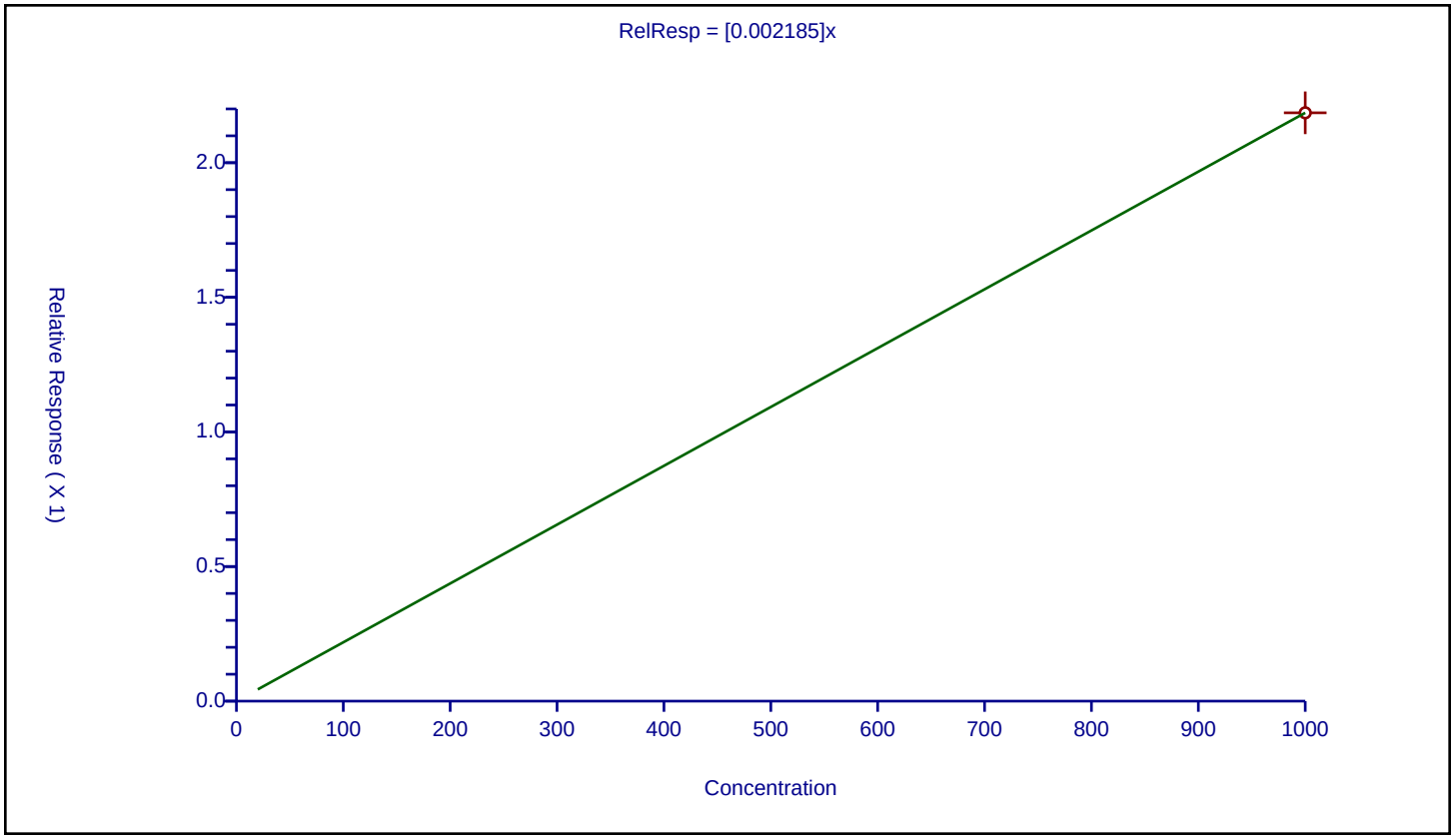
Curve Coefficients

Intercept:	0
Slope:	0.002185

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.185497	20.0	47784110.0	0.002185	Y



3/27/2024
12:01:22 PM

Calibration / PCB-1221 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

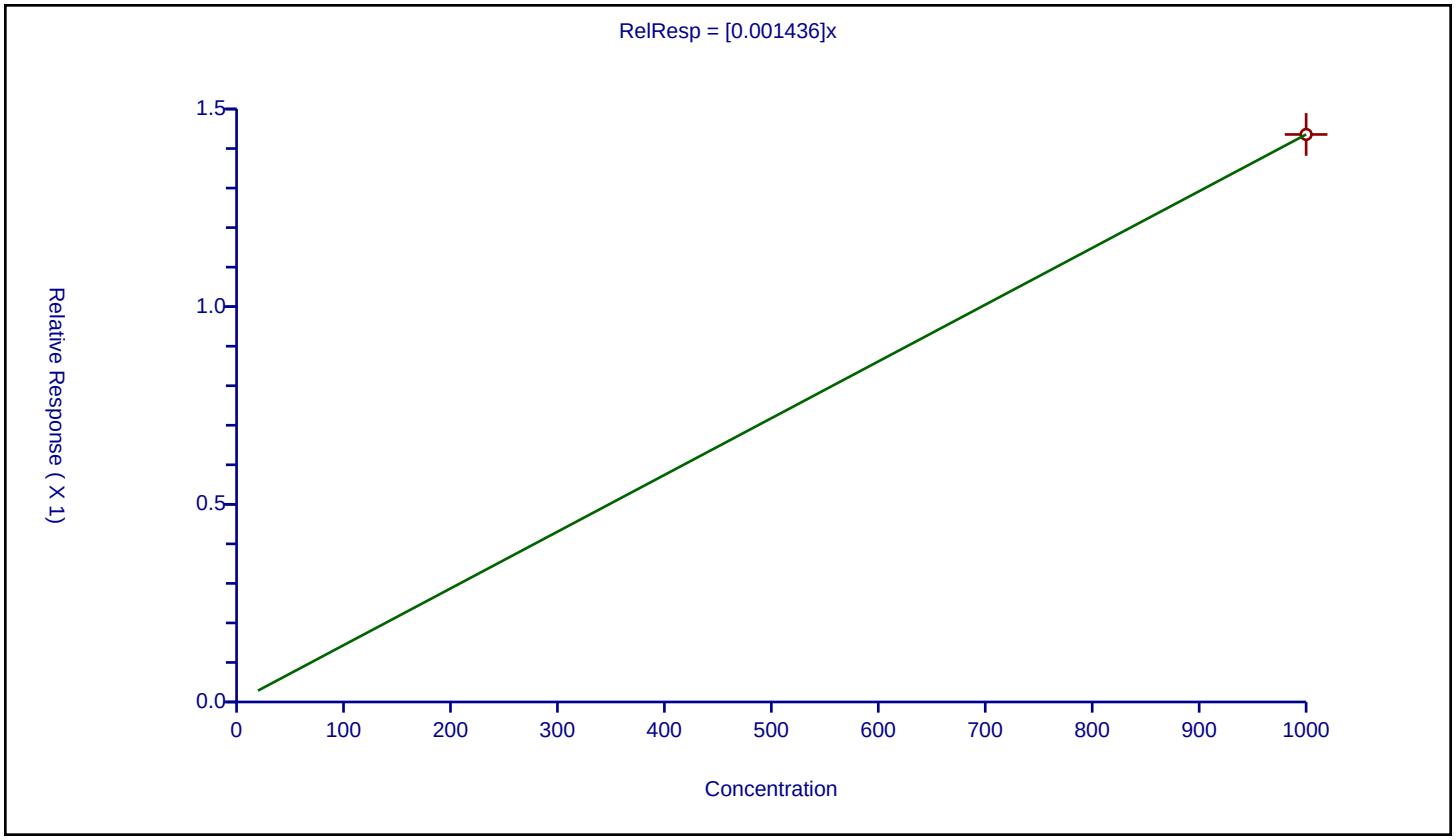
Curve Coefficients

Intercept:	0
Slope:	0.001436

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	1.435625	20.0	47784110.0	0.001436	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 Calibration End Date: 12/21/2023 12:23 Calibration ID: 95509

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0069					Ave		0.0069						20.0			
PCB-1221 Peak 2	0.0116					Ave		0.0116						20.0			
PCB-1221 Peak 3	0.0061					Ave		0.0061						20.0			
PCB-1221 Peak 4	0.0253					Ave		0.0253						20.0			
PCB-1221 Peak 5	0.0034					Ave		0.0034						20.0			
PCB-1221 Peak 6	0.0034					Ave		0.0034						20.0			
PCB-1221 Peak 7	0.0060					Ave		0.0060						20.0			
PCB-1221 Peak 8	0.0025					Ave		0.0025						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 | Calibration End Date: 12/21/2023 12:23 | Calibration ID: 95509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	15194154					1000				
PCB-1221 Peak 2	BNB	Ave	25462578					1000				
PCB-1221 Peak 3	BNB	Ave	13443406					1000				
PCB-1221 Peak 4	BNB	Ave	55417844					1000				
PCB-1221 Peak 5	BNB	Ave	7452346					1000				
PCB-1221 Peak 6	BNB	Ave	7521662					1000				
PCB-1221 Peak 7	BNB	Ave	13137928					1000				
PCB-1221 Peak 8	BNB	Ave	5475921					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:23:13 ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:56 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.441	1.441	0.000	47784110	20.0	20.0	M
2	1.227	1.227	0.000	43818560	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.855	1.855	0.000	10786897	1000.0	1000.0	M
1	2.677	2.677	0.000	18422276	1000.0	1000.0	
1	2.842	2.842	0.000	12448941	1000.0	1000.0	M
1	2.912	2.912	0.000	45754964	1000.0	1000.0	M
1	3.457	3.457	0.000	4818974	1000.0	1000.0	
1	3.948	3.948	0.000	10376432	1000.0	1000.0	M
1	4.113	4.113	0.000	5221601	1000.0	1000.0	M
1	4.237	4.237	0.000	3430002	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.407	1.407	0.000	15194154	1000.0	1000.0	M
2	2.009	2.009	0.000	25462578	1000.0	1000.0	
2	2.150	2.150	0.000	13443406	1000.0	1000.0	
2	2.188	2.188	0.000	55417844	1000.0	1000.0	
2	2.550	2.550	0.000	7452346	1000.0	1000.0	
2	2.670	2.670	0.000	7521662	1000.0	1000.0	
2	3.031	3.031	0.000	13137928	1000.0	1000.0	
2	3.177	3.177	0.000	5475921	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

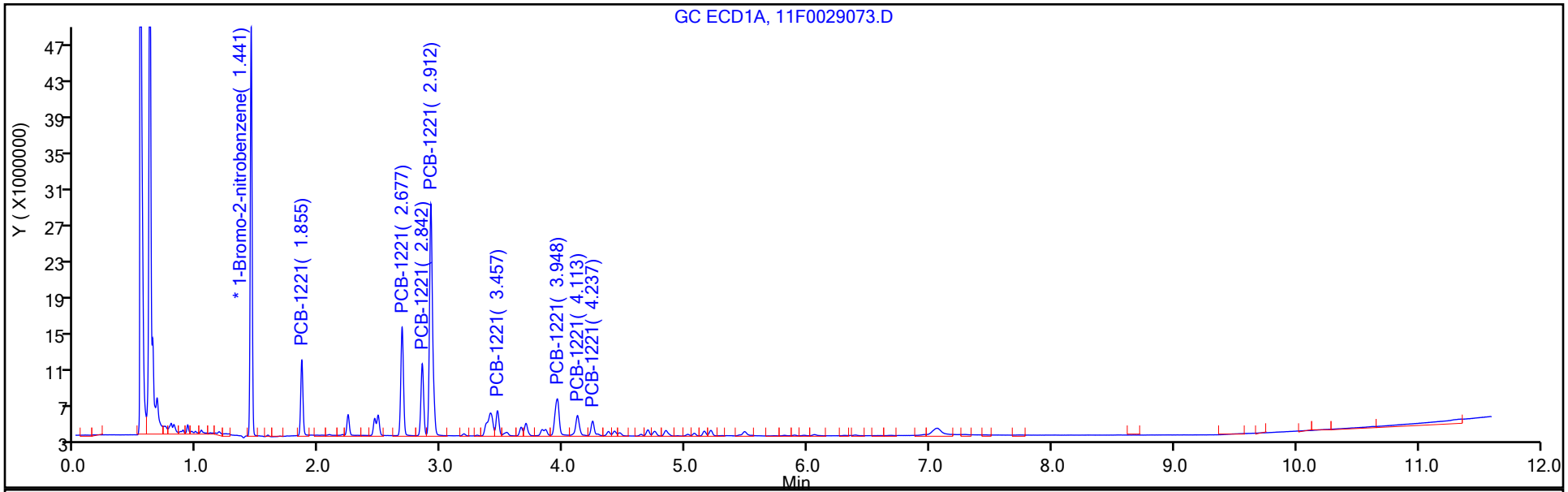
SG1221L4_00034	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

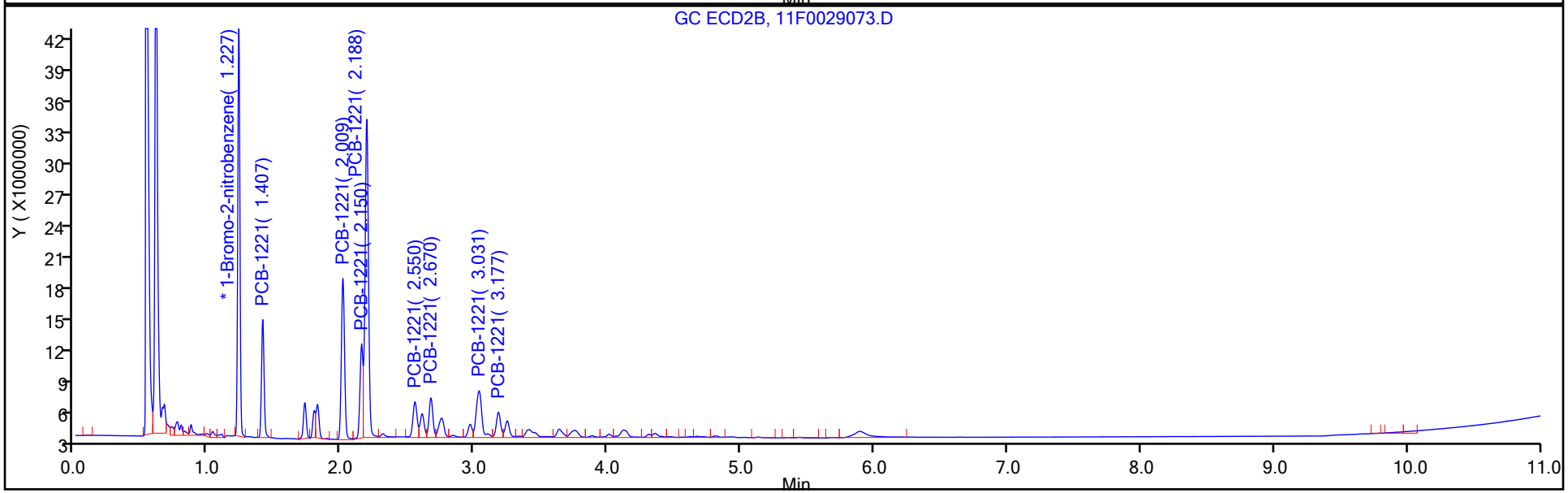
Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D

Injection Date:	21-Dec-2023 12:23:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison

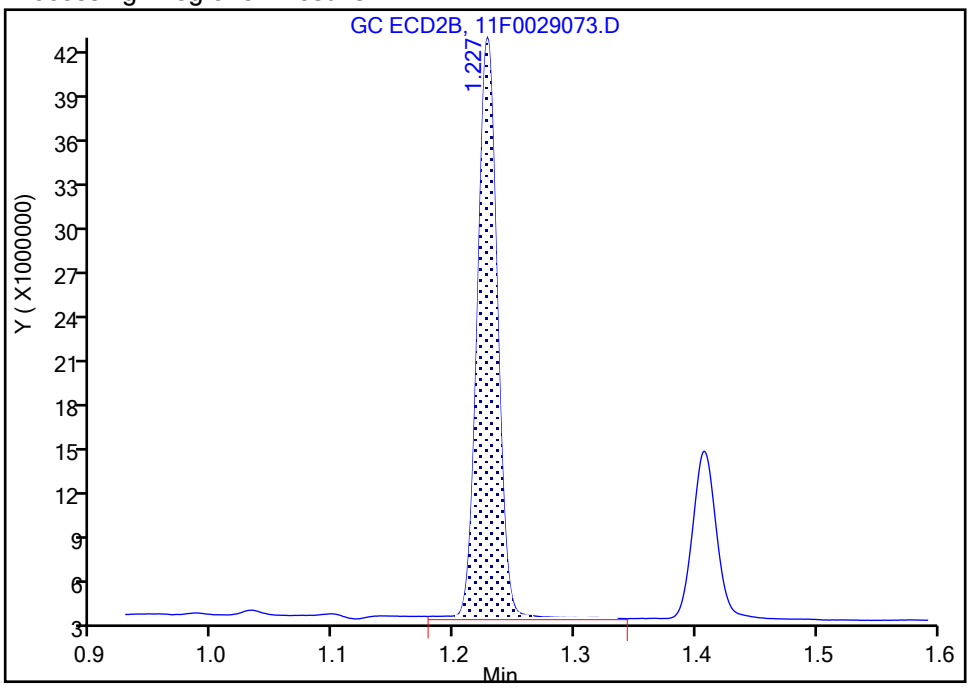
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

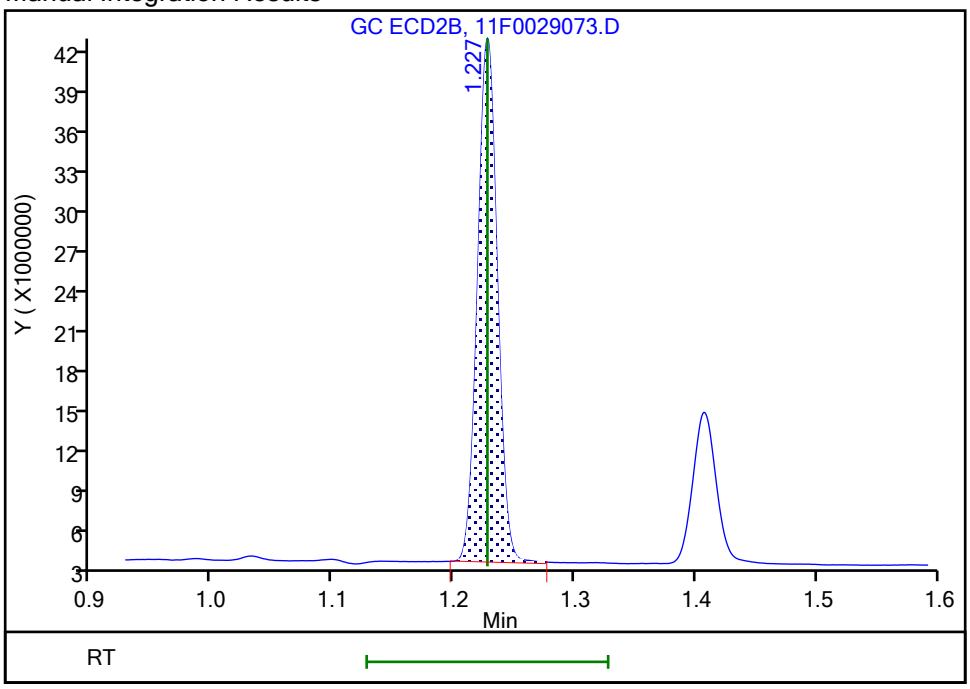
Processing Integration Results

RT: 1.23
Area: 44894270
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 43818560
Amount: 20.000000
Amount Units: ug/l



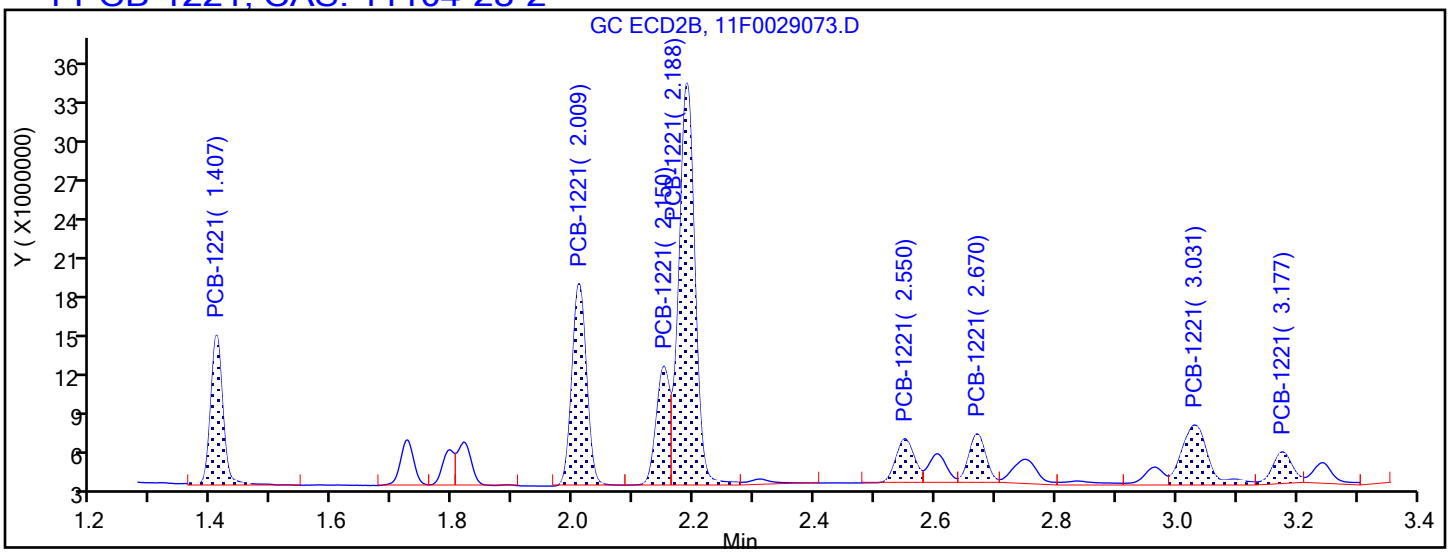
Reviewer: OR9X, 21-Dec-2023 14:19:48 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

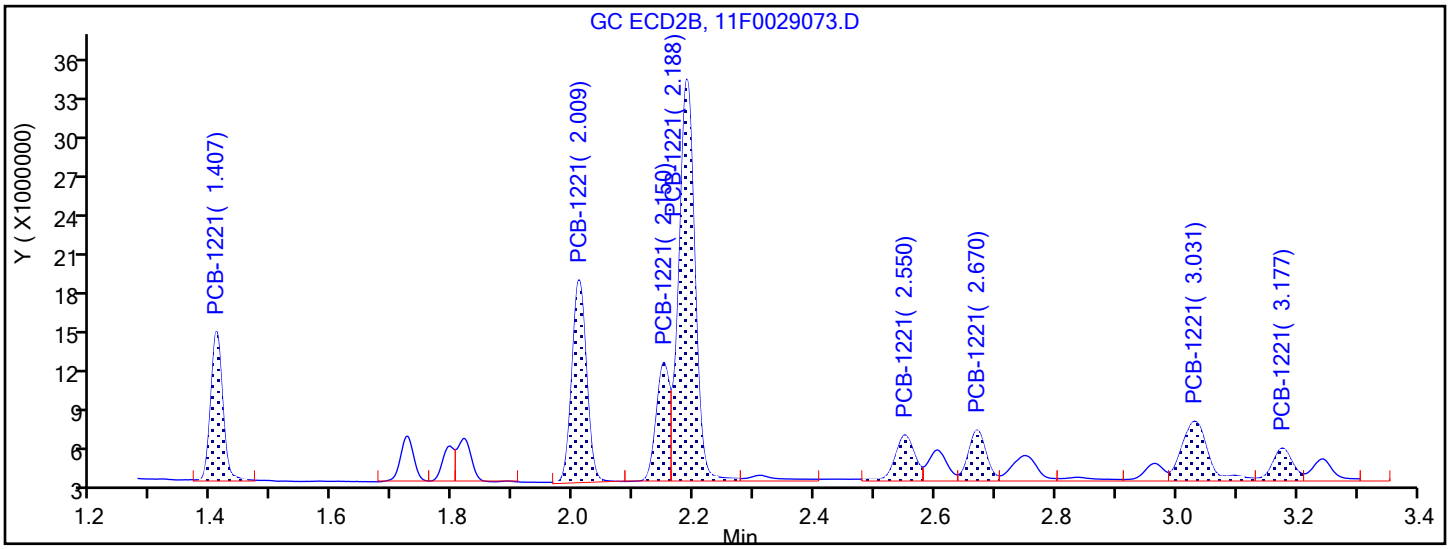
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.407	Response = 15490211
2.009	Response = 25462578
2.150	Response = 13443406
2.188	Response = 55417844
2.550	Response = 7452346
2.670	Response = 7521662
3.031	Response = 13137928
3.177	Response = 5475921



Manual Integration Results

1.407	Response = 15194154	M
2.009	Response = 25462578	
2.150	Response = 13443406	
2.188	Response = 55417844	
2.550	Response = 7452346	
2.670	Response = 7521662	

Calibration / PCB-1221 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

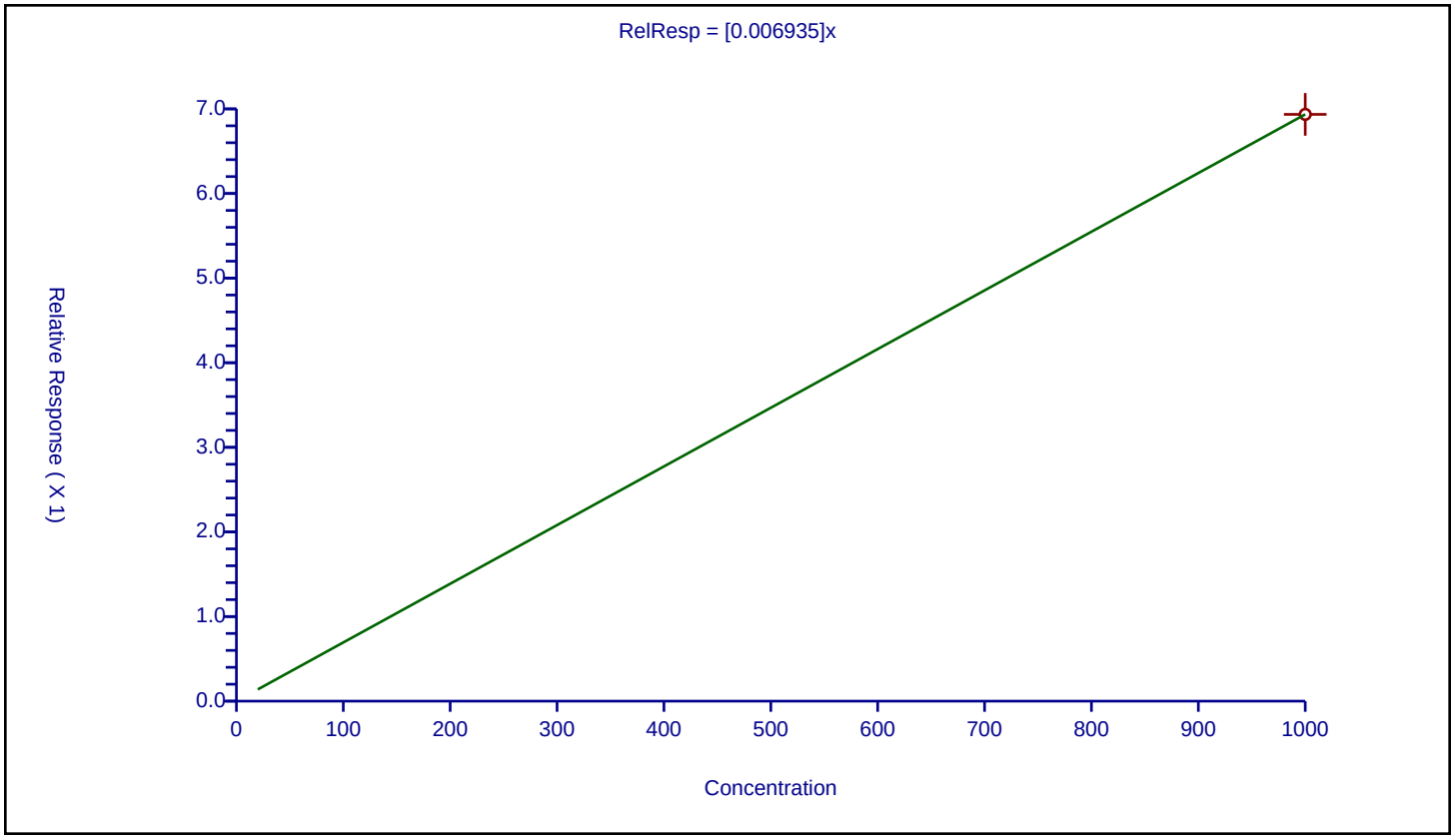
Curve Coefficients

Intercept:	0
Slope:	0.006935

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	6.935031	20.0	43818560.0	0.006935	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

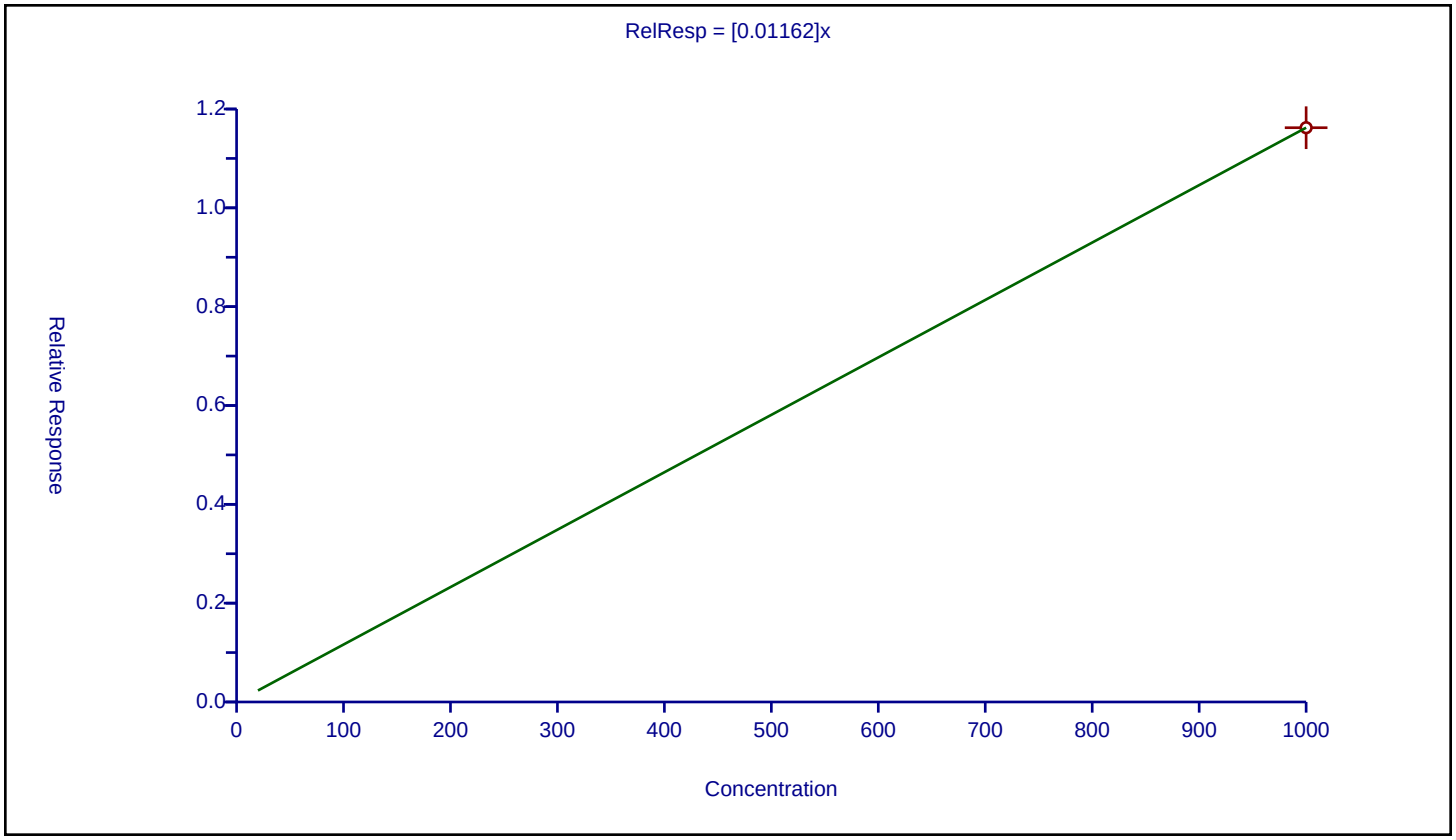
Curve Coefficients

Intercept:	0
Slope:	0.01162

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	11.621823	20.0	43818560.0	0.011622	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

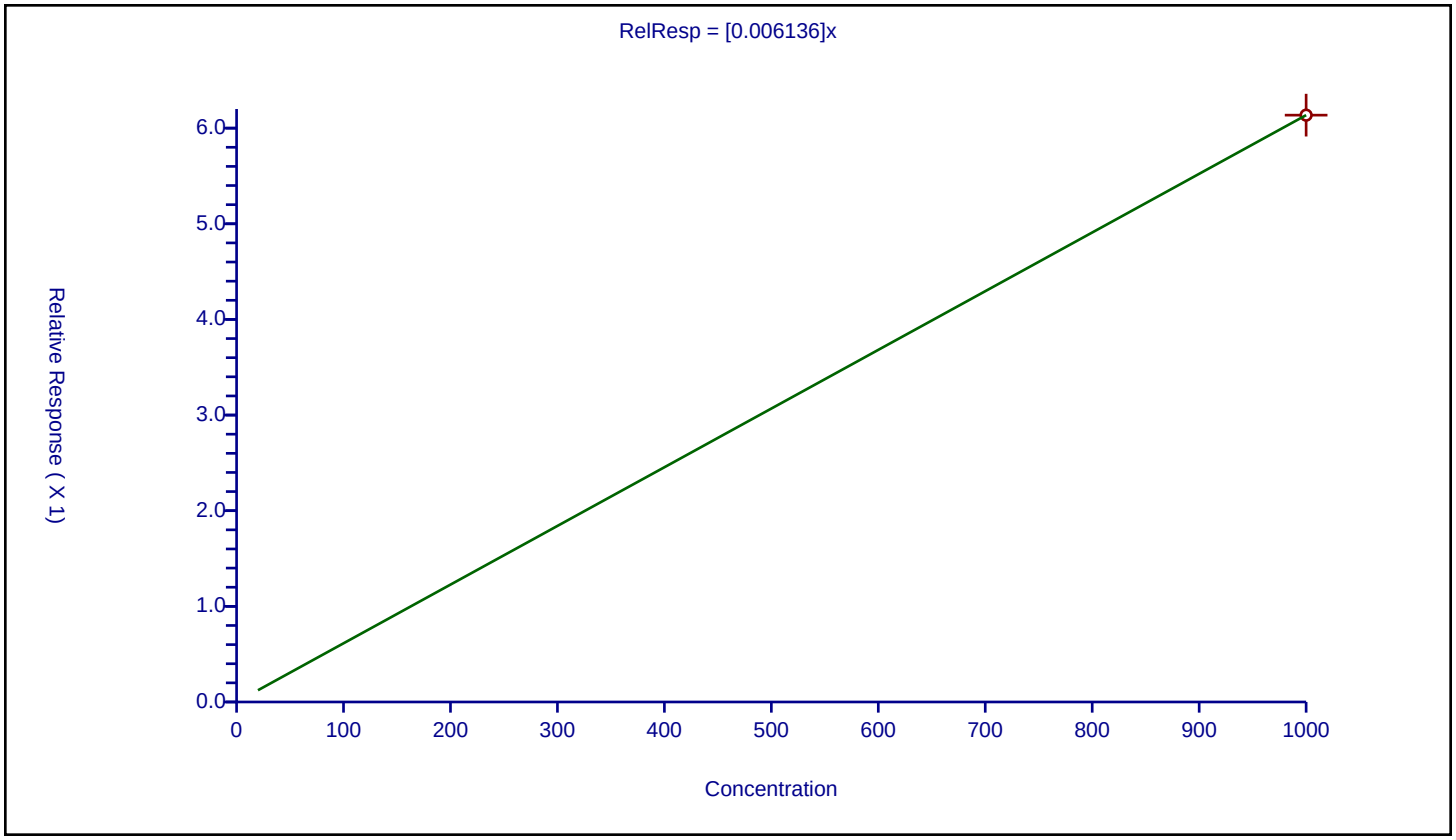
Curve Coefficients

Intercept:	0
Slope:	0.006136

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	6.135941	20.0	43818560.0	0.006136	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

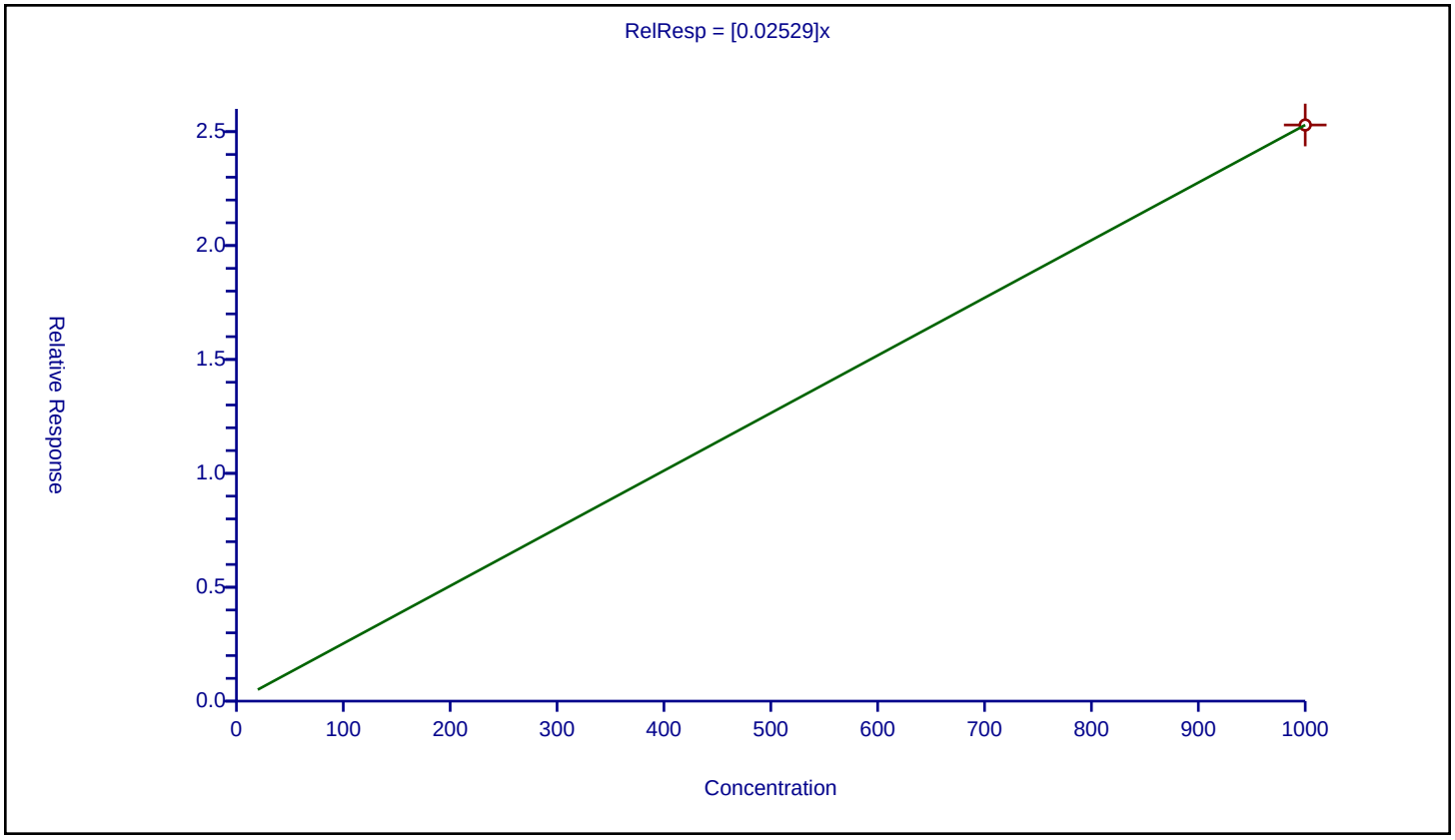
Curve Coefficients

Intercept:	0
Slope:	0.02529

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	25.294233	20.0	43818560.0	0.025294	Y



Calibration / PCB-1221 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

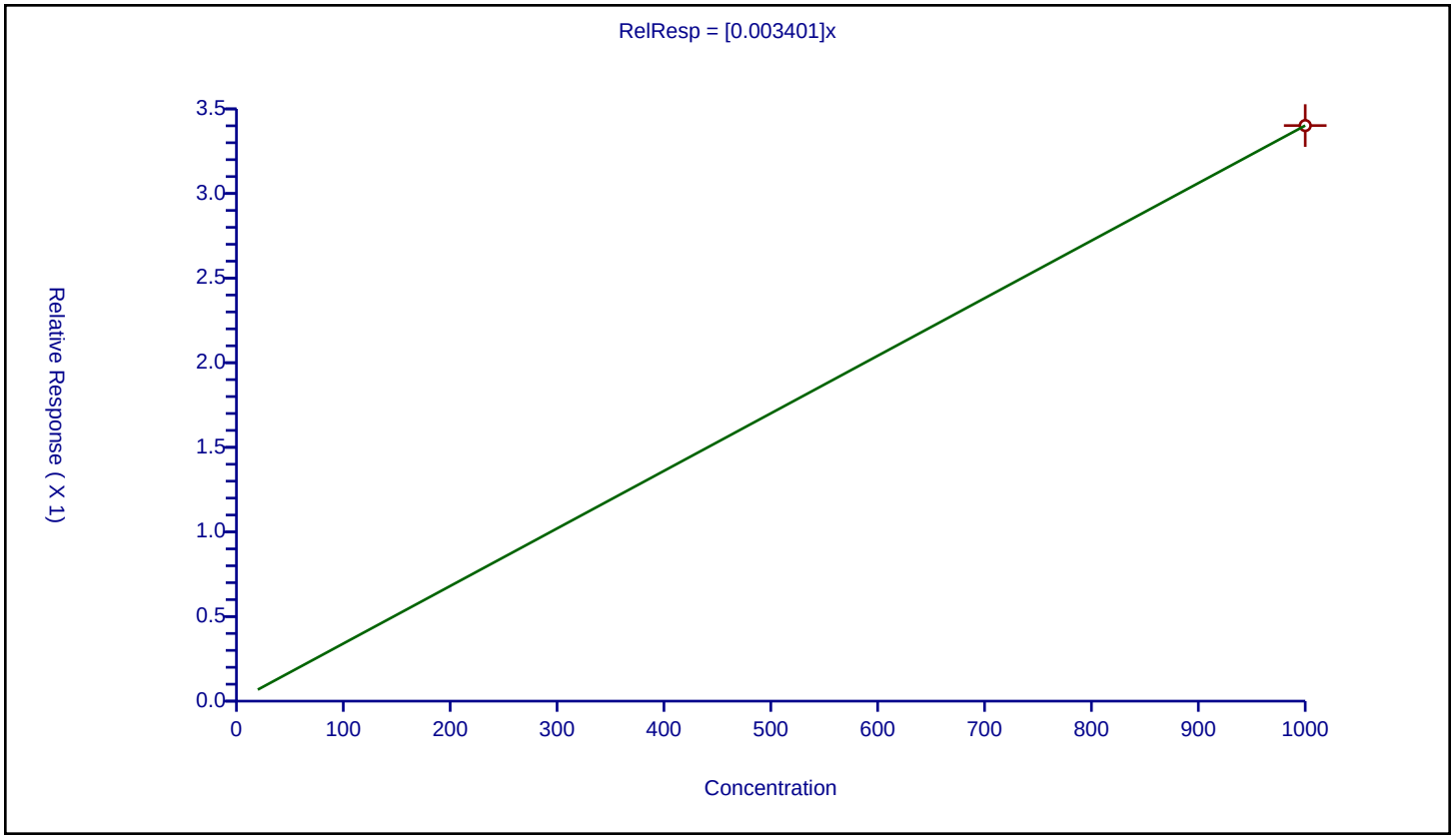
Curve Coefficients

Intercept:	0
Slope:	0.003401

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	3.401456	20.0	43818560.0	0.003401	Y



Calibration / PCB-1221 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

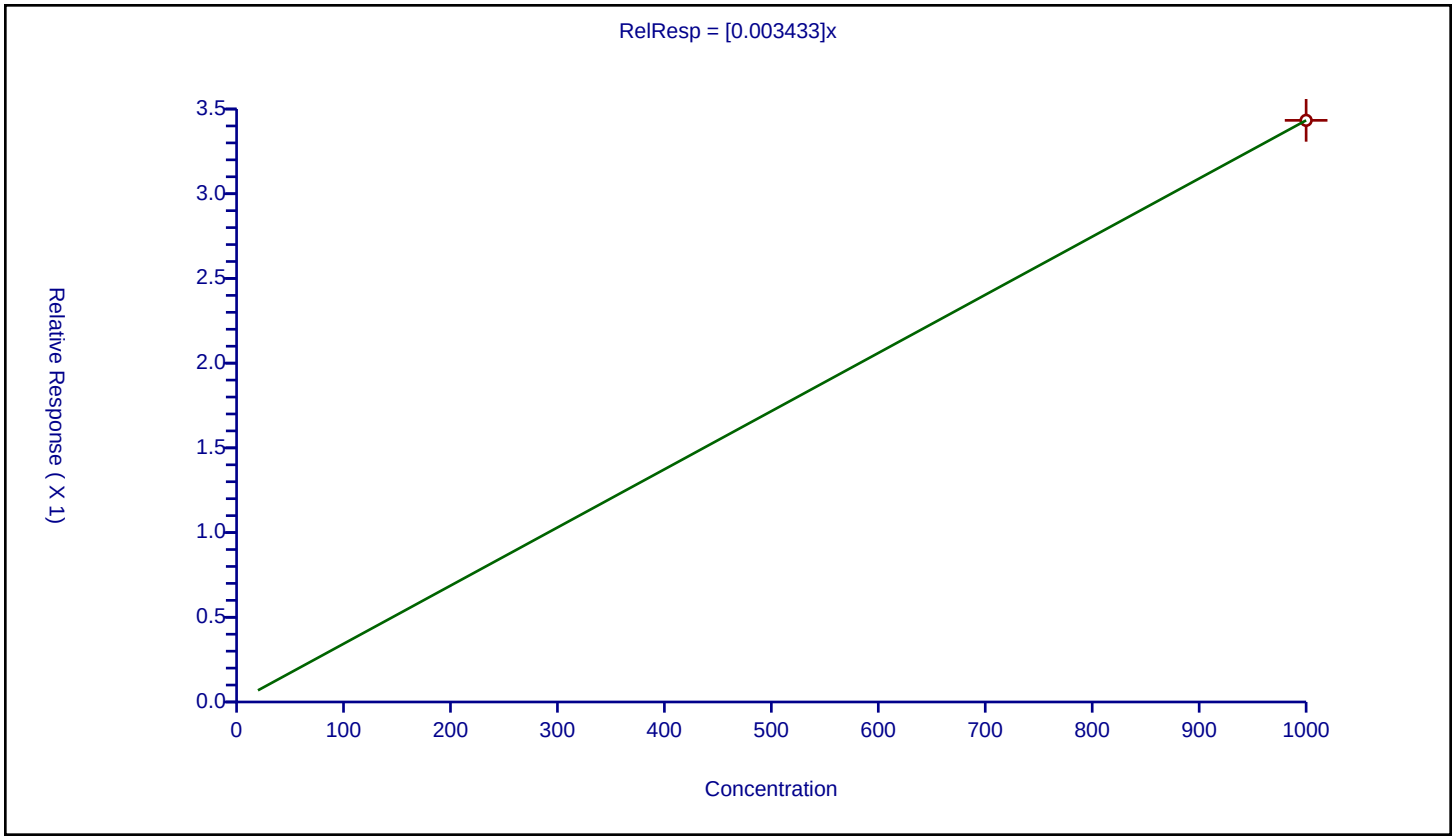
Curve Coefficients

Intercept:	0
Slope:	0.003433

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	3.433094	20.0	43818560.0	0.003433	Y



Calibration / PCB-1221 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

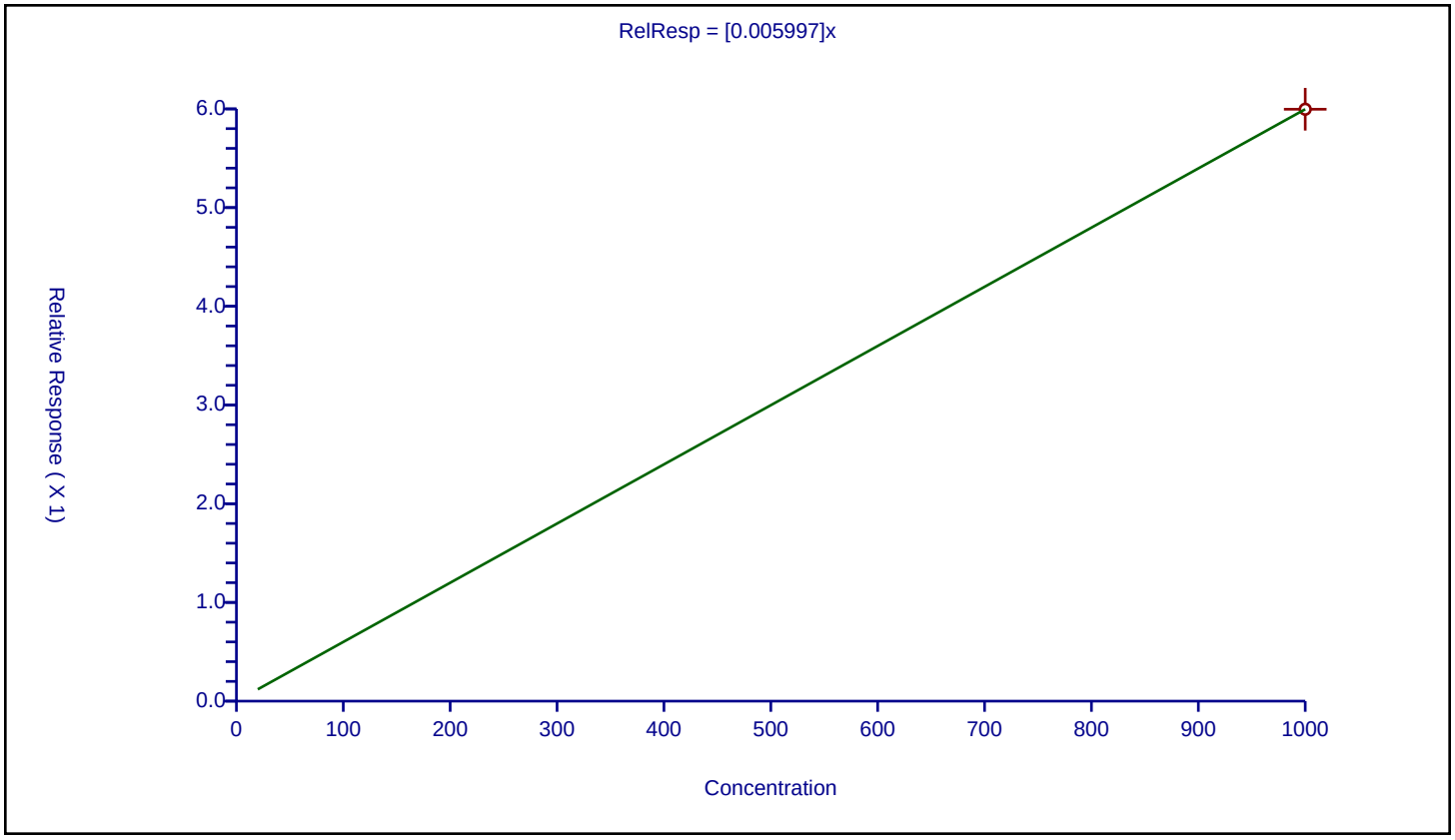
Curve Coefficients

Intercept:	0
Slope:	0.005997

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	5.996513	20.0	43818560.0	0.005997	Y



Calibration / PCB-1221 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

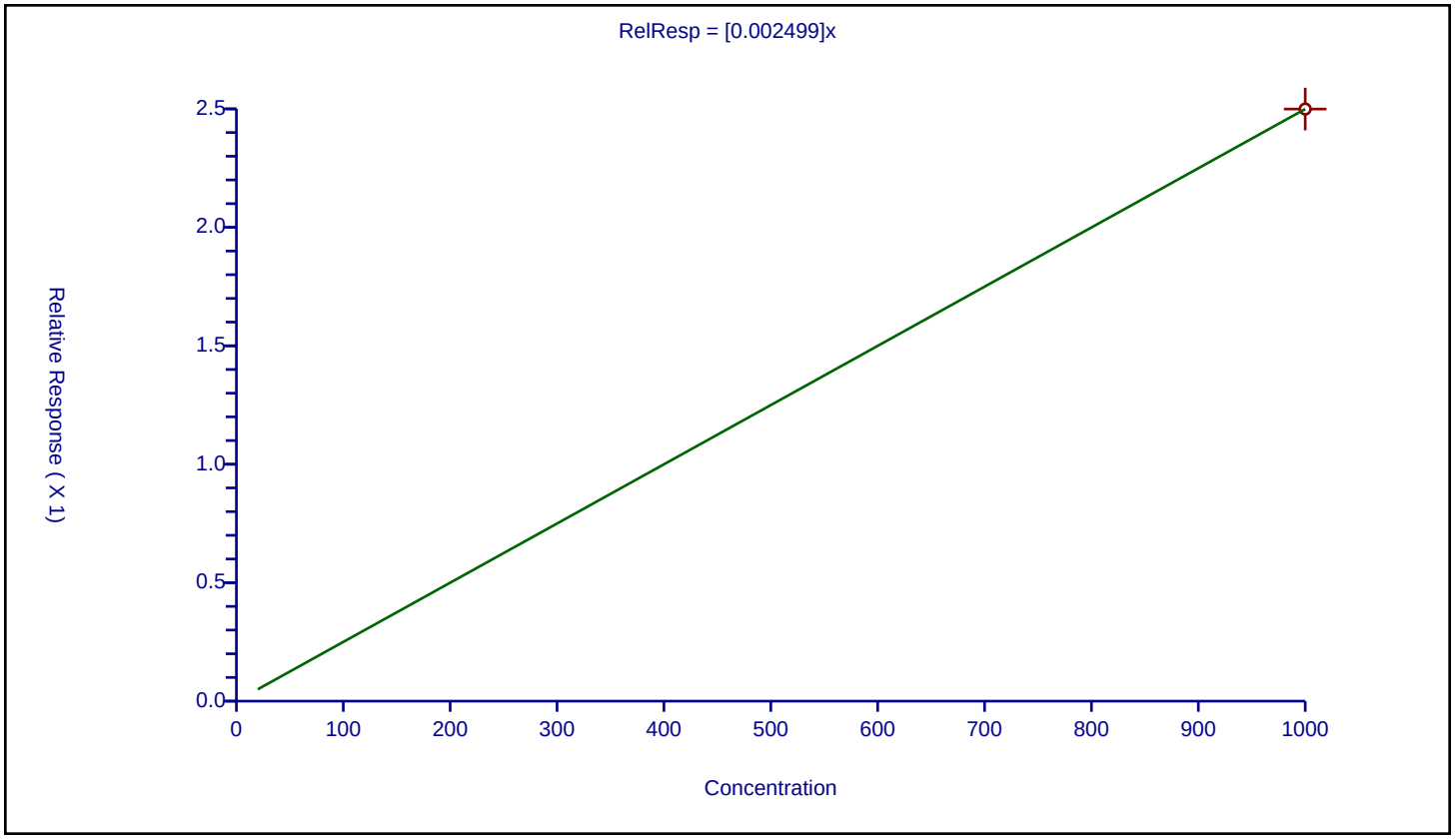
Curve Coefficients

Intercept:	0
Slope:	0.002499

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.499361	20.0	43818560.0	0.002499	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 Calibration End Date: 12/21/2023 12:39 Calibration ID: 95514

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0160					Ave		0.0160						20.0			
PCB-1232 Peak 2	0.0112					Ave		0.0112						20.0			
PCB-1232 Peak 3	0.0245					Ave		0.0245						20.0			
PCB-1232 Peak 4	0.0107					Ave		0.0107						20.0			
PCB-1232 Peak 5	0.0087					Ave		0.0087						20.0			
PCB-1232 Peak 6	0.0074					Ave		0.0074						20.0			
PCB-1232 Peak 7	0.0077					Ave		0.0077						20.0			
PCB-1232 Peak 8	0.0094					Ave		0.0094						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 | Calibration End Date: 12/21/2023 12:39 | Calibration ID: 95514

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	36797798					1000				
PCB-1232 Peak 2	BNB	Ave	25795592					1000				
PCB-1232 Peak 3	BNB	Ave	56451297					1000				
PCB-1232 Peak 4	BNB	Ave	24793857					1000				
PCB-1232 Peak 5	BNB	Ave	19972264					1000				
PCB-1232 Peak 6	BNB	Ave	17016664					1000				
PCB-1232 Peak 7	BNB	Ave	17729747					1000				
PCB-1232 Peak 8	BNB	Ave	21639647					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:39:53 ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:05 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:15:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	46131925	20.0	20.0	M
2	1.227	1.227	0.000	42183358	20.0	20.0	M
						RPD = 0.00	
3 PCB-1232							M
1	2.912	2.912	0.000	36797798	1000.0	1000.0	
1	3.400	3.400	0.000	25795592	1000.0	1000.0	M
1	3.946	3.946	0.000	56451297	1000.0	1000.0	M
1	4.113	4.113	0.000	24793857	1000.0	1000.0	M
1	4.237	4.237	0.000	19972264	1000.0	1000.0	M
1	4.690	4.690	0.000	17016664	1000.0	1000.0	M
1	5.151	5.151	0.000	17729747	1000.0	1000.0	M
1	5.206	5.206	0.000	21639647	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	45247606	1000.0	1000.0	
2	2.549	2.549	0.000	32127971	1000.0	1000.0	
2	2.750	2.750	0.000	22304643	1000.0	1000.0	
2	3.031	3.031	0.000	70019283	1000.0	1000.0	
2	3.176	3.176	0.000	29026423	1000.0	1000.0	
2	3.242	3.242	0.000	19310204	1000.0	1000.0	
2	3.634	3.634	0.000	28960158	1000.0	1000.0	
2	4.125	4.125	0.000	50062544	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

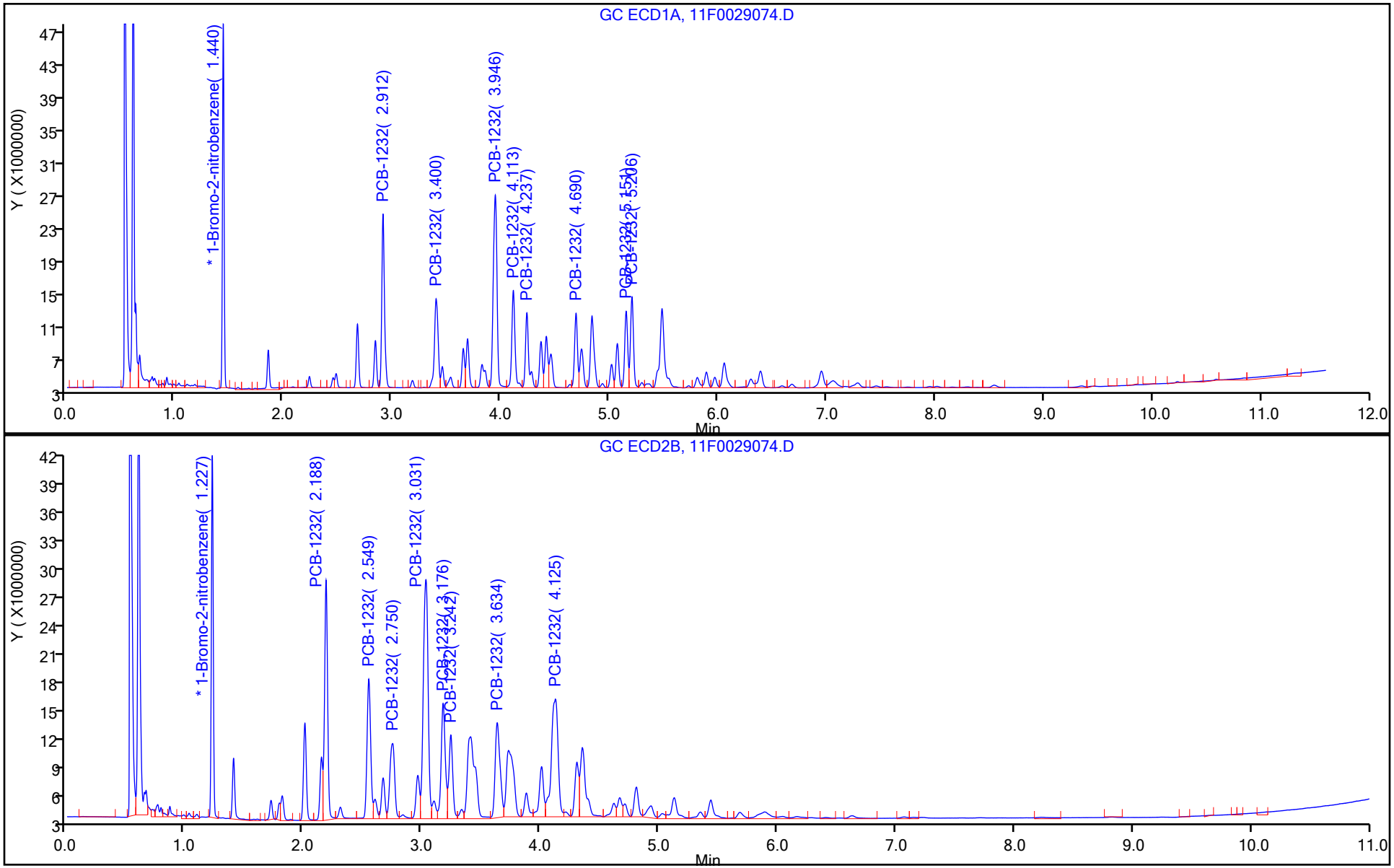
SG1232L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D

Injection Date:	21-Dec-2023 12:39:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Eurofins Edison

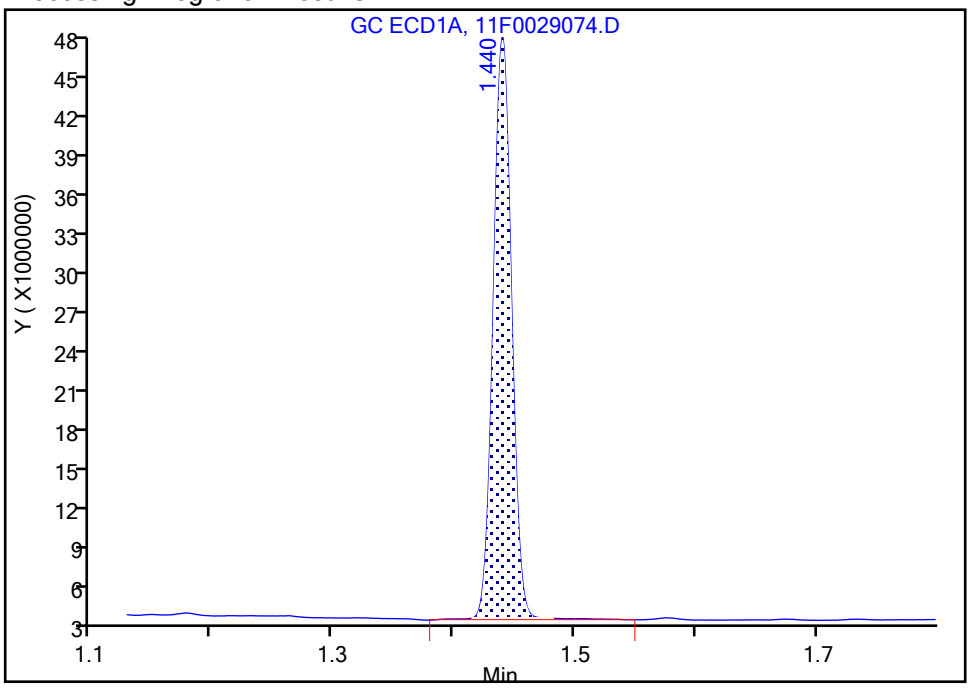
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

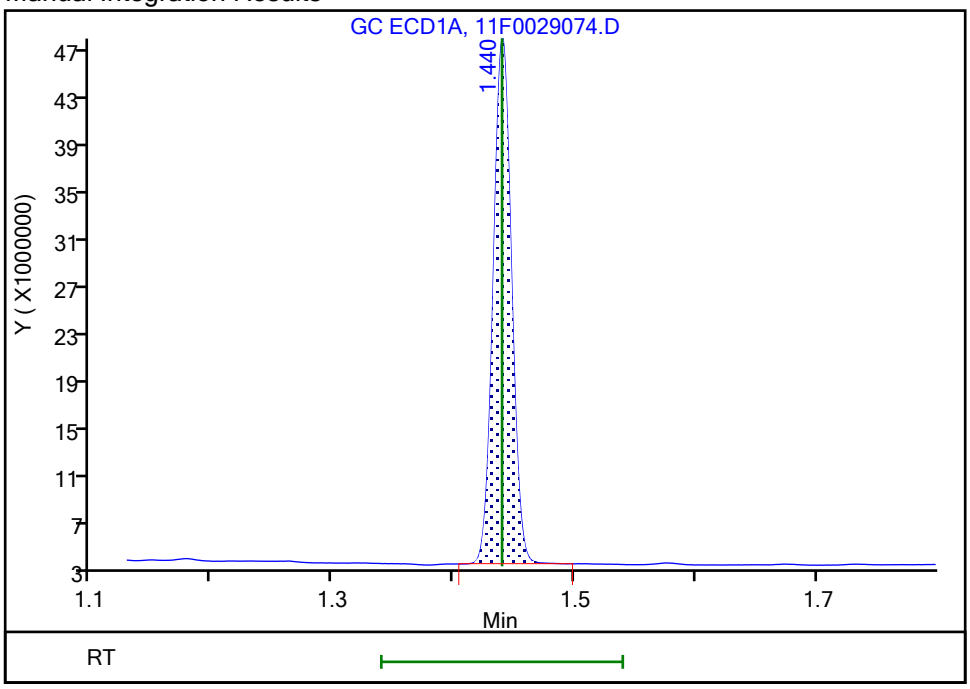
Processing Integration Results

RT: 1.44
Area: 46796054
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 46131925
Amount: 20.000000
Amount Units: ug/l



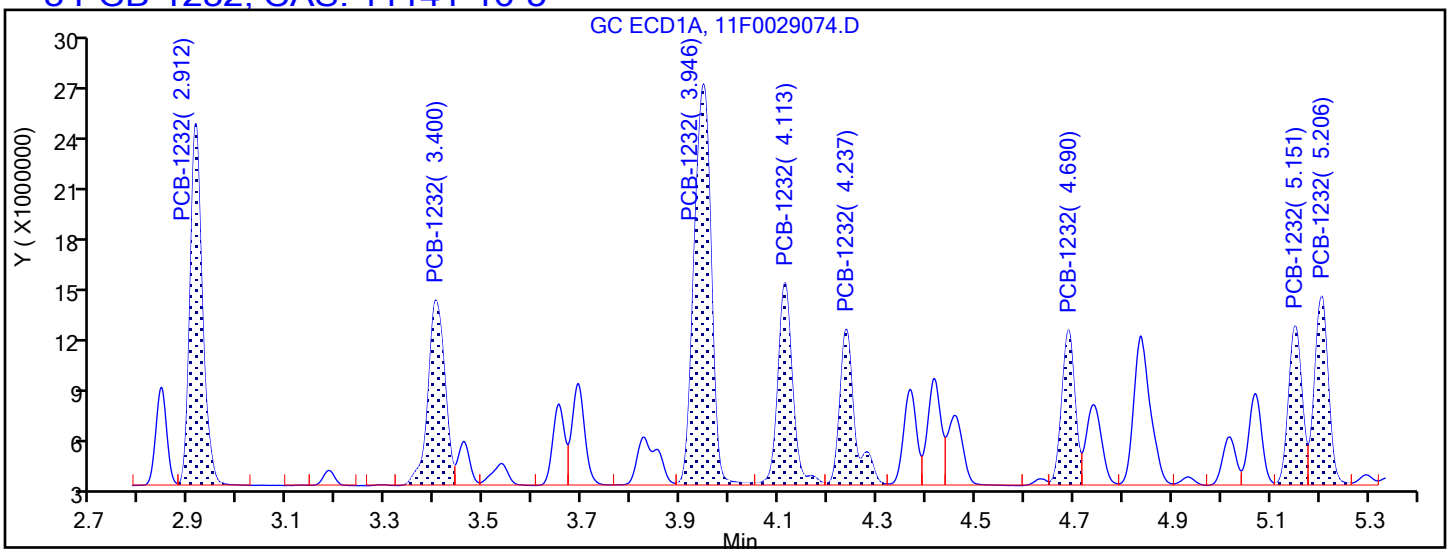
Reviewer: OR9X, 21-Dec-2023 14:19:21 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

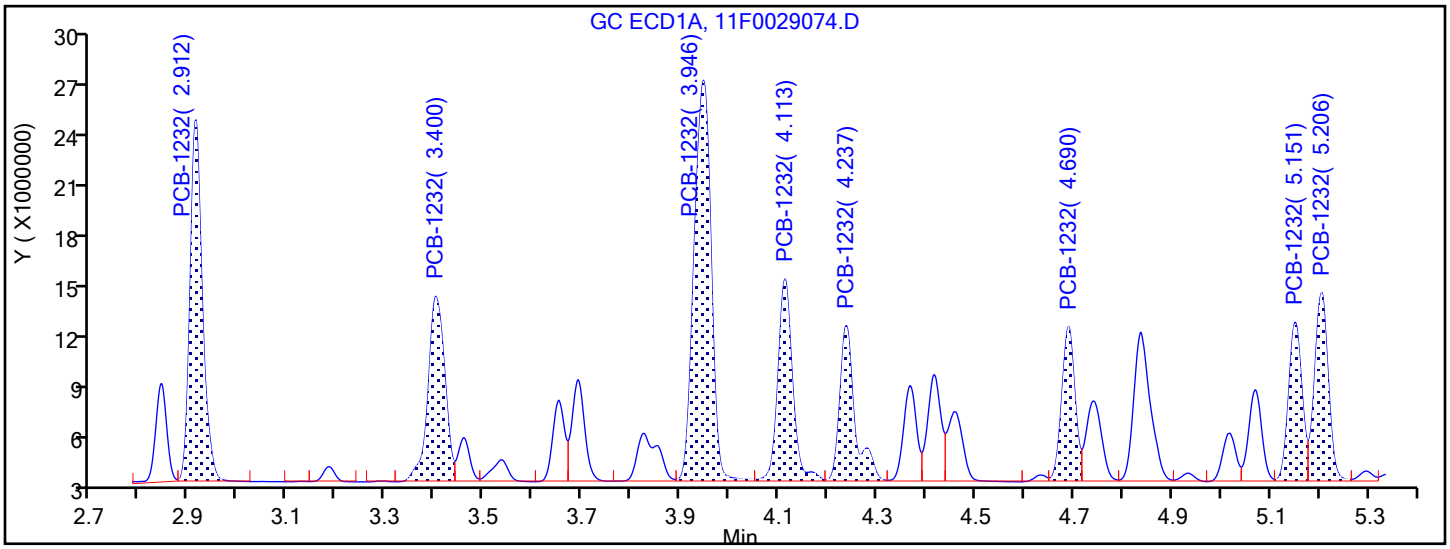
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

3 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.912	Response = 36797798
3.400	Response = 25654862
3.946	Response = 56112321
4.113	Response = 24447058
4.237	Response = 19624488
4.690	Response = 16765993
5.151	Response = 17430212
5.206	Response = 21243952



Manual Integration Results

2.912	Response = 36797798	
3.400	Response = 25795592	M
3.946	Response = 56451297	M
4.113	Response = 24793857	M
4.237	Response = 19972264	M
4.690	Response = 17016664	M

Calibration / PCB-1232 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

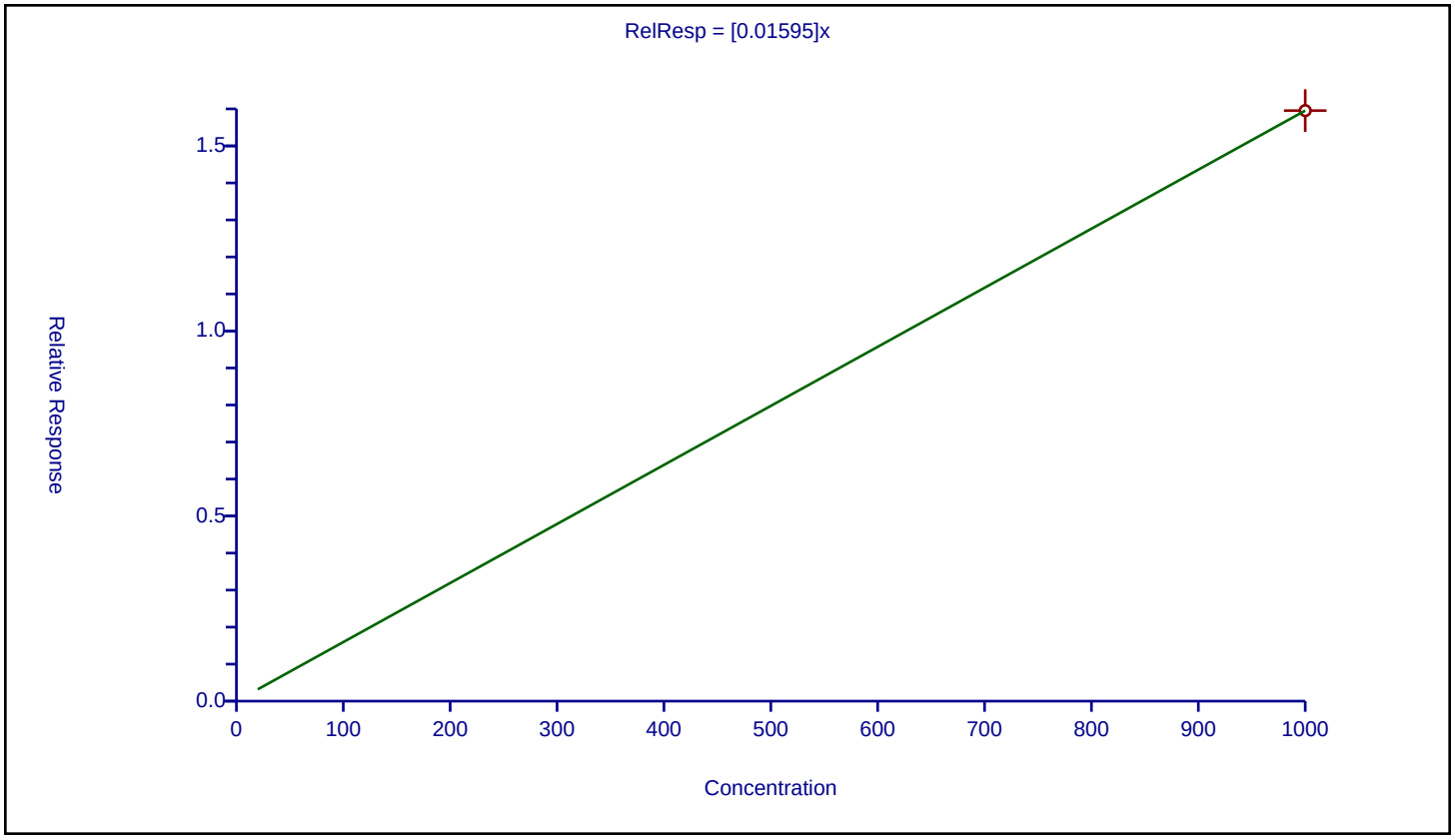
Curve Coefficients

Intercept:	0
Slope:	0.01595

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	15.95329	20.0	46131925.0	0.015953	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

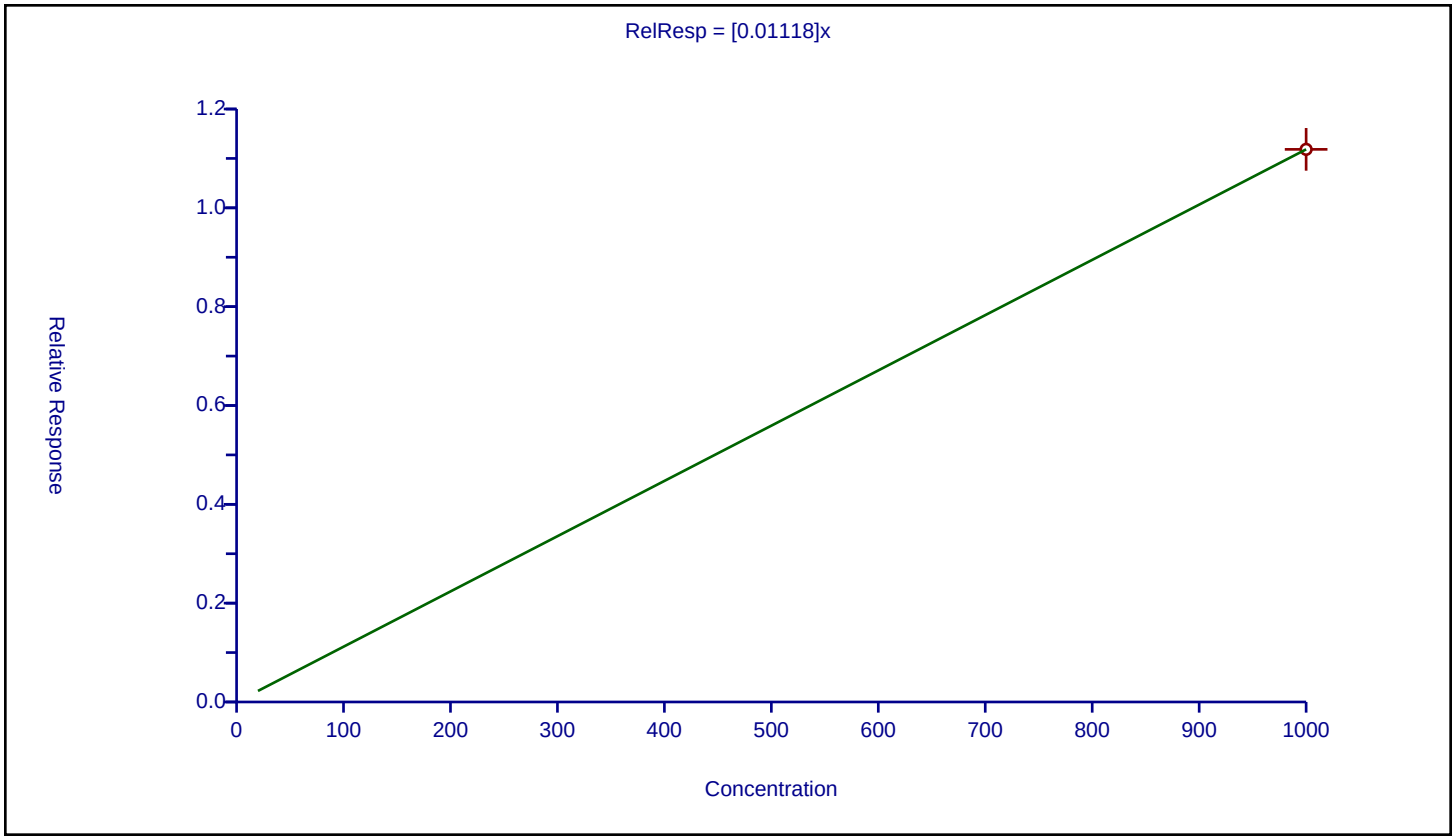
Curve Coefficients

Intercept:	0
Slope:	0.01118

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	11.183402	20.0	46131925.0	0.011183	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

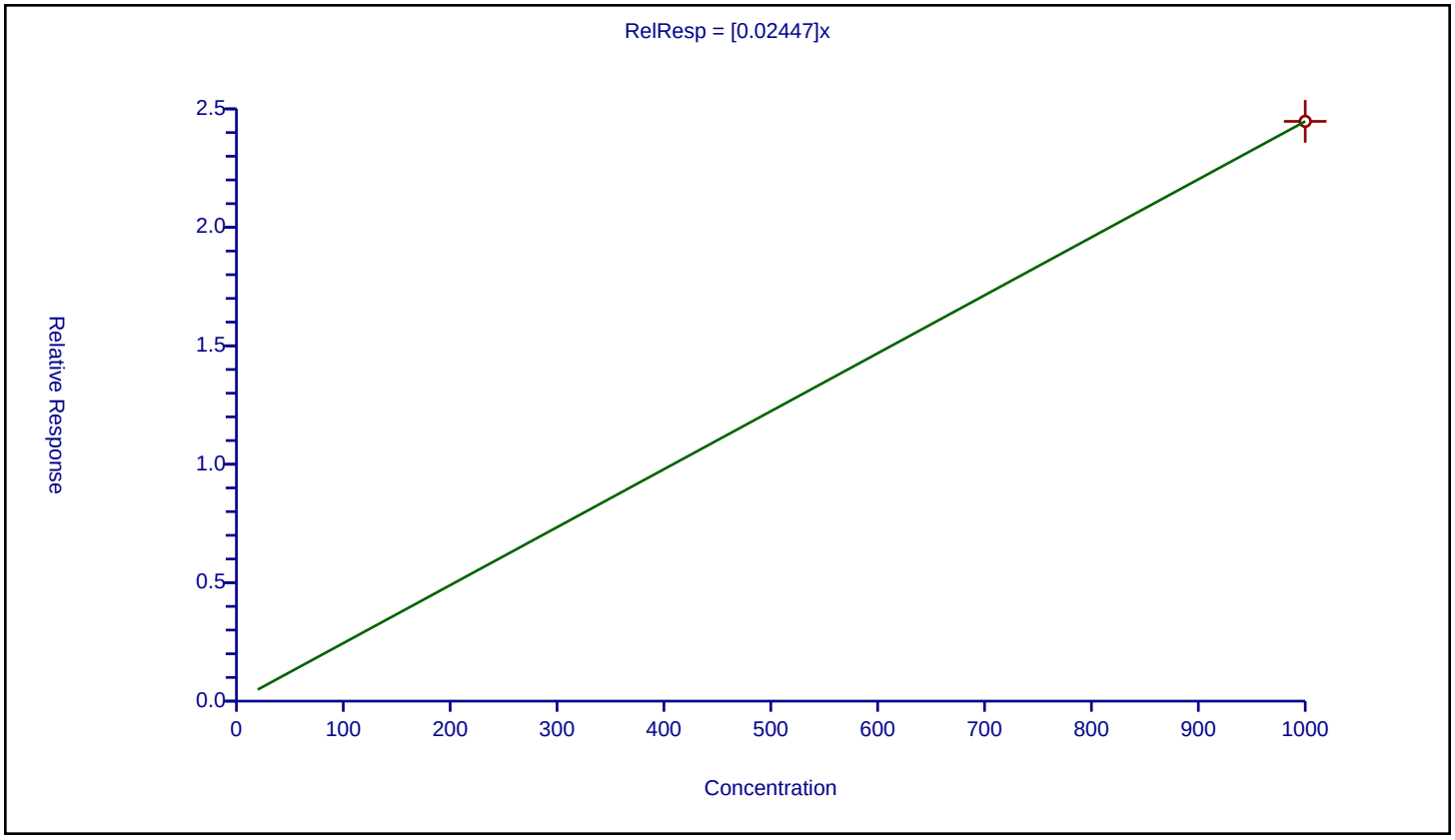
Curve Coefficients

Intercept:	0
Slope:	0.02447

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	24.473853	20.0	46131925.0	0.024474	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

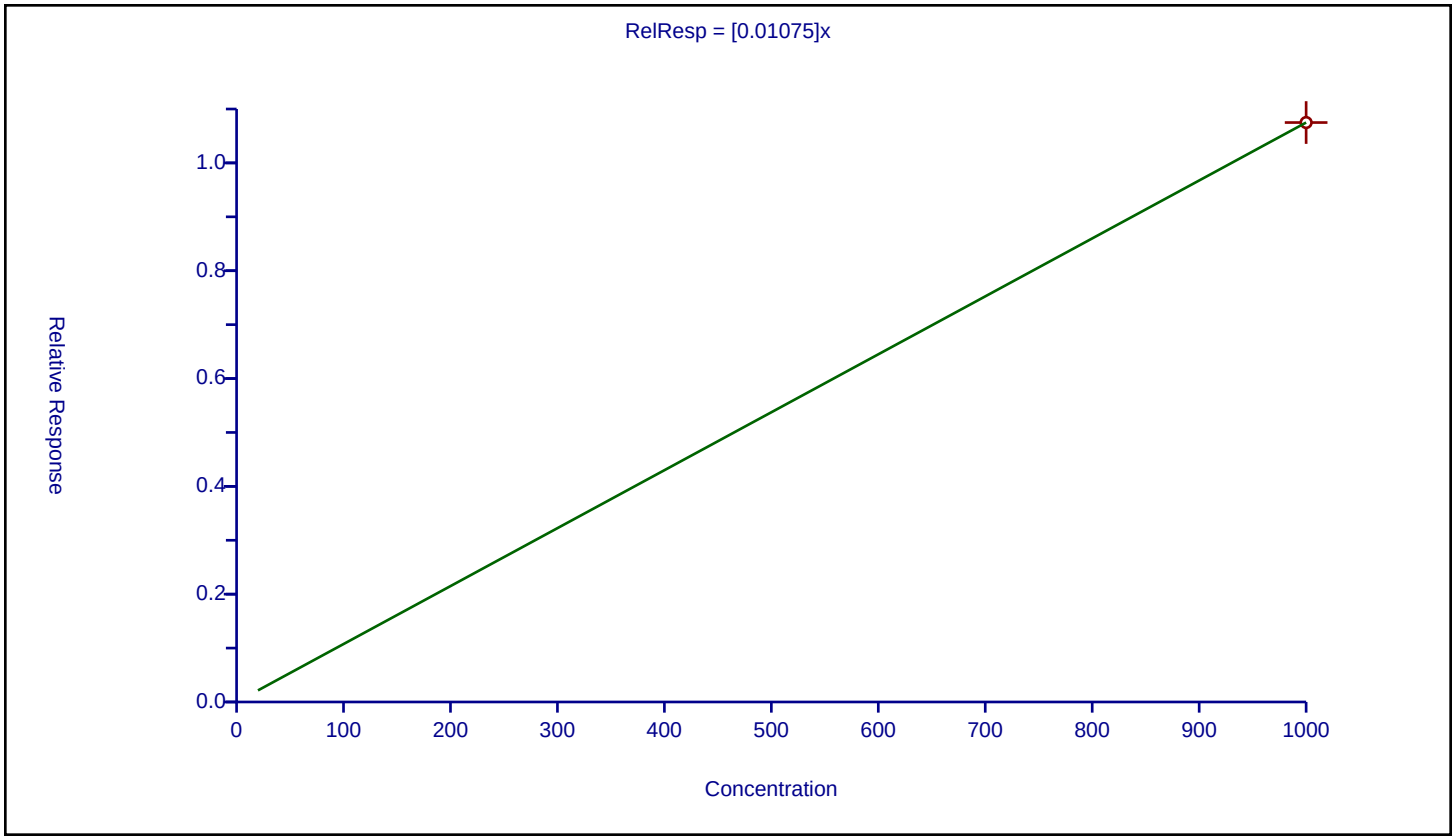
Curve Coefficients

Intercept:	0
Slope:	0.01075

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	10.74911	20.0	46131925.0	0.010749	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

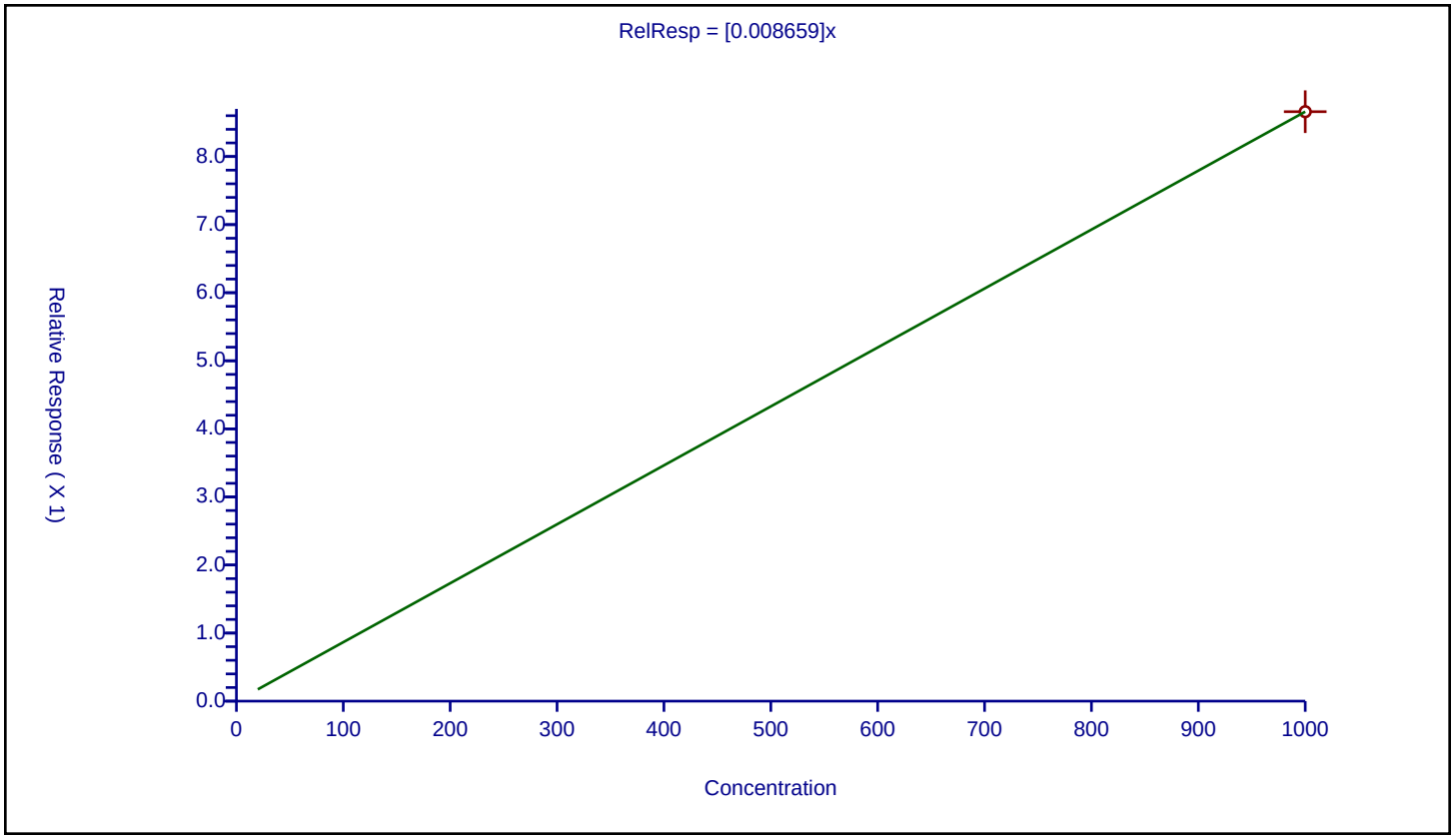
Curve Coefficients

Intercept:	0
Slope:	0.008659

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	8.65876	20.0	46131925.0	0.008659	Y



Calibration / PCB-1232 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

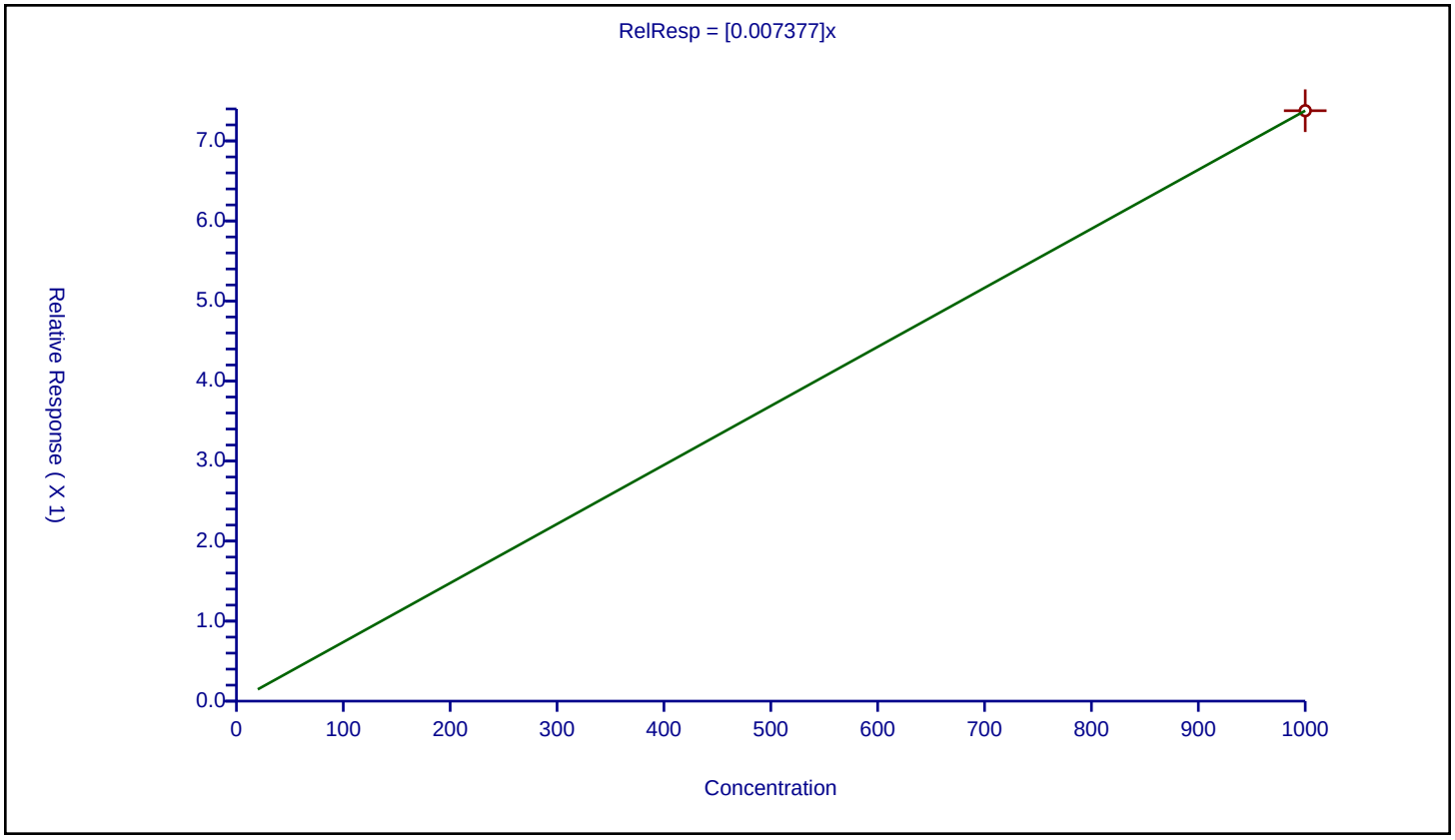
Curve Coefficients

Intercept:	0
Slope:	0.007377

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	7.377392	20.0	46131925.0	0.007377	Y



Calibration / PCB-1232 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

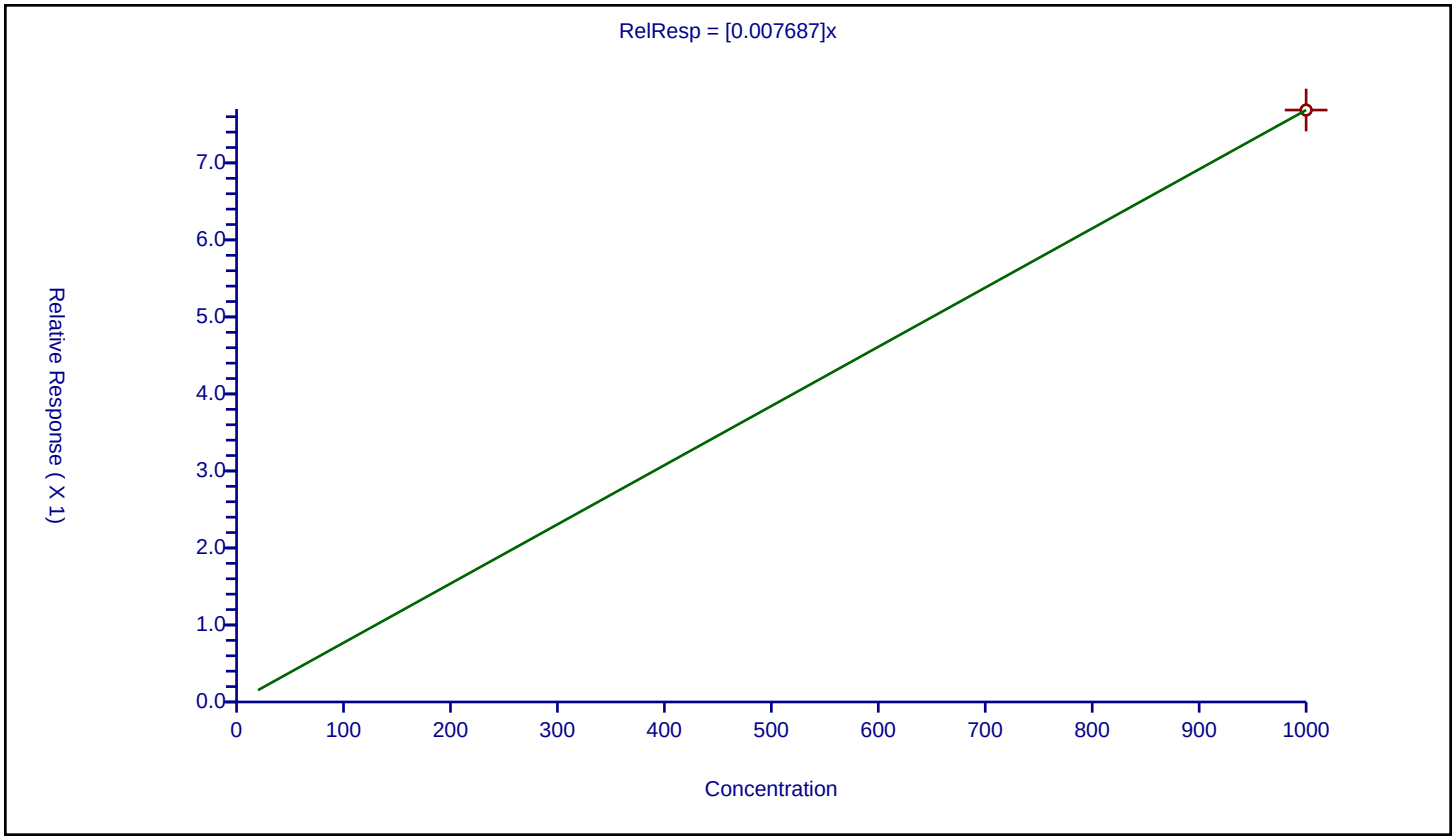
Curve Coefficients

Intercept:	0
Slope:	0.007687

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	7.686541	20.0	46131925.0	0.007687	Y



Calibration / PCB-1232 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

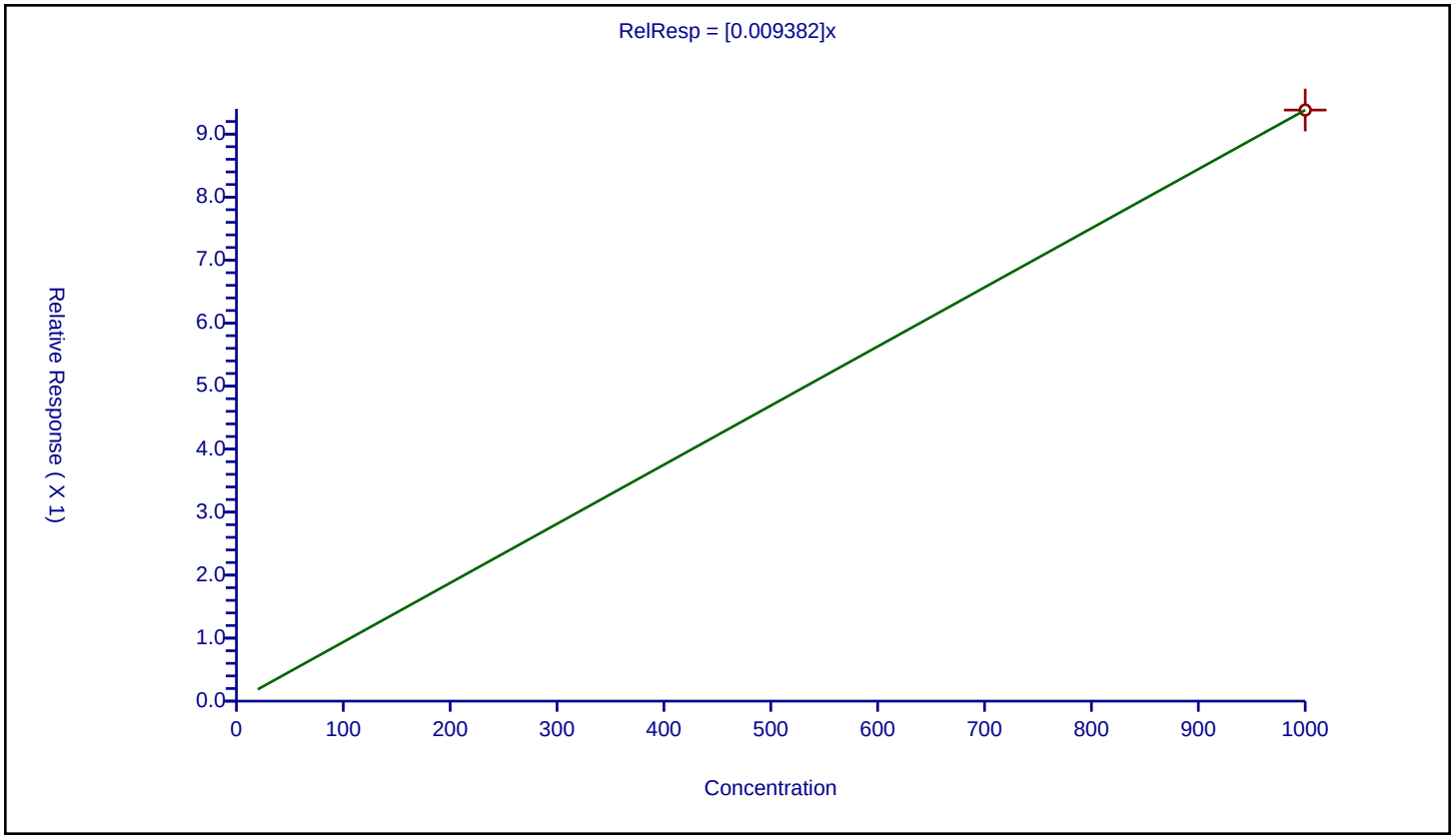
Curve Coefficients

Intercept:	0
Slope:	0.009382

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	9.381636	20.0	46131925.0	0.009382	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 Calibration End Date: 12/21/2023 12:39 Calibration ID: 95515

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0215					Ave		0.0215						20.0			
PCB-1232 Peak 2	0.0152					Ave		0.0152						20.0			
PCB-1232 Peak 3	0.0106					Ave		0.0106						20.0			
PCB-1232 Peak 4	0.0332					Ave		0.0332						20.0			
PCB-1232 Peak 5	0.0138					Ave		0.0138						20.0			
PCB-1232 Peak 6	0.0092					Ave		0.0092						20.0			
PCB-1232 Peak 7	0.0137					Ave		0.0137						20.0			
PCB-1232 Peak 8	0.0237					Ave		0.0237						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 | Calibration End Date: 12/21/2023 12:39 | Calibration ID: 95515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	45247606					1000				
PCB-1232 Peak 2	BNB	Ave	32127971					1000				
PCB-1232 Peak 3	BNB	Ave	22304643					1000				
PCB-1232 Peak 4	BNB	Ave	70019283					1000				
PCB-1232 Peak 5	BNB	Ave	29026423					1000				
PCB-1232 Peak 6	BNB	Ave	19310204					1000				
PCB-1232 Peak 7	BNB	Ave	28960158					1000				
PCB-1232 Peak 8	BNB	Ave	50062544					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:39:53 ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:05 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:15:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	46131925	20.0	20.0	M
2	1.227	1.227	0.000	42183358	20.0	20.0	M
						RPD = 0.00	
3 PCB-1232							M
1	2.912	2.912	0.000	36797798	1000.0	1000.0	
1	3.400	3.400	0.000	25795592	1000.0	1000.0	M
1	3.946	3.946	0.000	56451297	1000.0	1000.0	M
1	4.113	4.113	0.000	24793857	1000.0	1000.0	M
1	4.237	4.237	0.000	19972264	1000.0	1000.0	M
1	4.690	4.690	0.000	17016664	1000.0	1000.0	M
1	5.151	5.151	0.000	17729747	1000.0	1000.0	M
1	5.206	5.206	0.000	21639647	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	45247606	1000.0	1000.0	
2	2.549	2.549	0.000	32127971	1000.0	1000.0	
2	2.750	2.750	0.000	22304643	1000.0	1000.0	
2	3.031	3.031	0.000	70019283	1000.0	1000.0	
2	3.176	3.176	0.000	29026423	1000.0	1000.0	
2	3.242	3.242	0.000	19310204	1000.0	1000.0	
2	3.634	3.634	0.000	28960158	1000.0	1000.0	
2	4.125	4.125	0.000	50062544	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

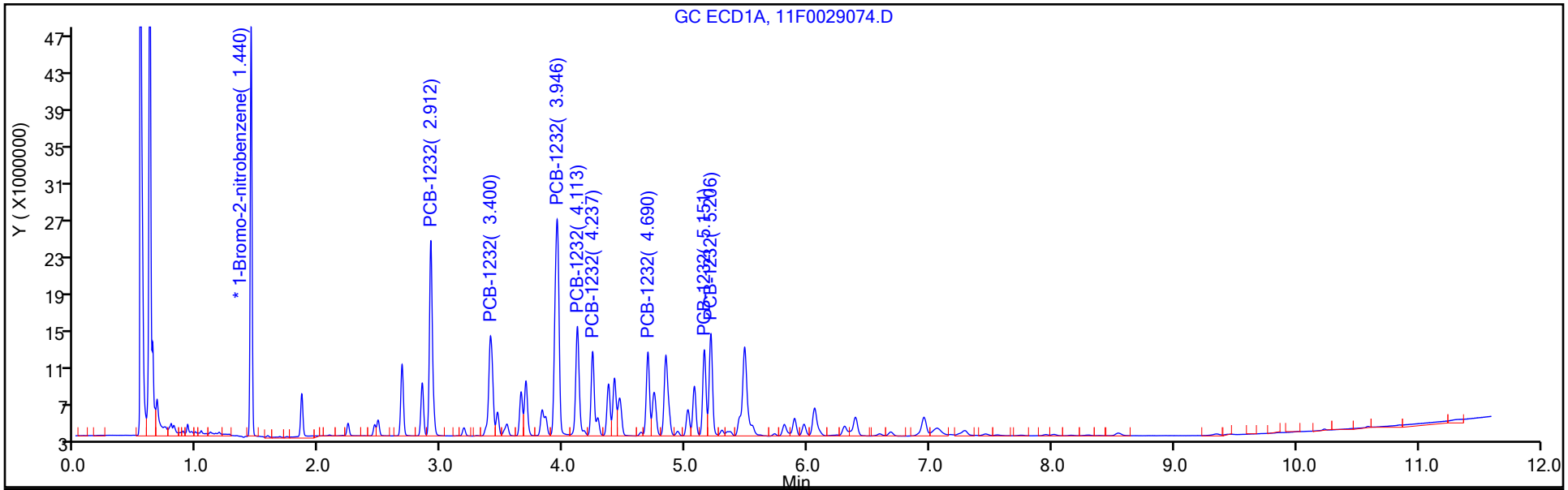
SG1232L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

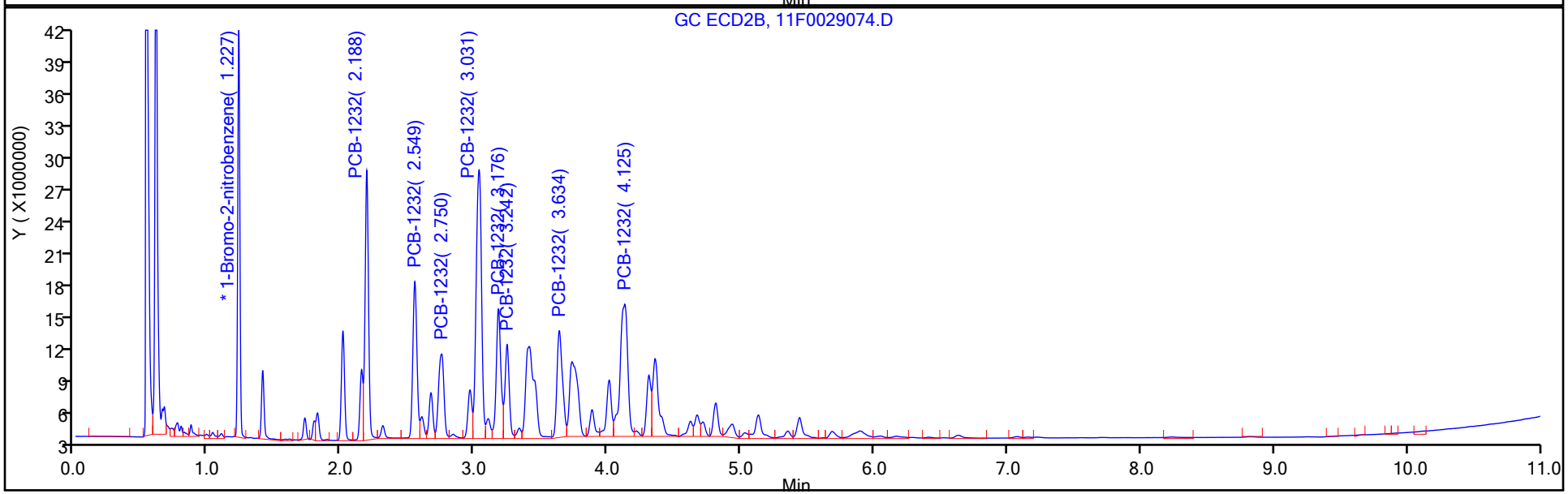
Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D

Injection Date:	21-Dec-2023 12:39:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison

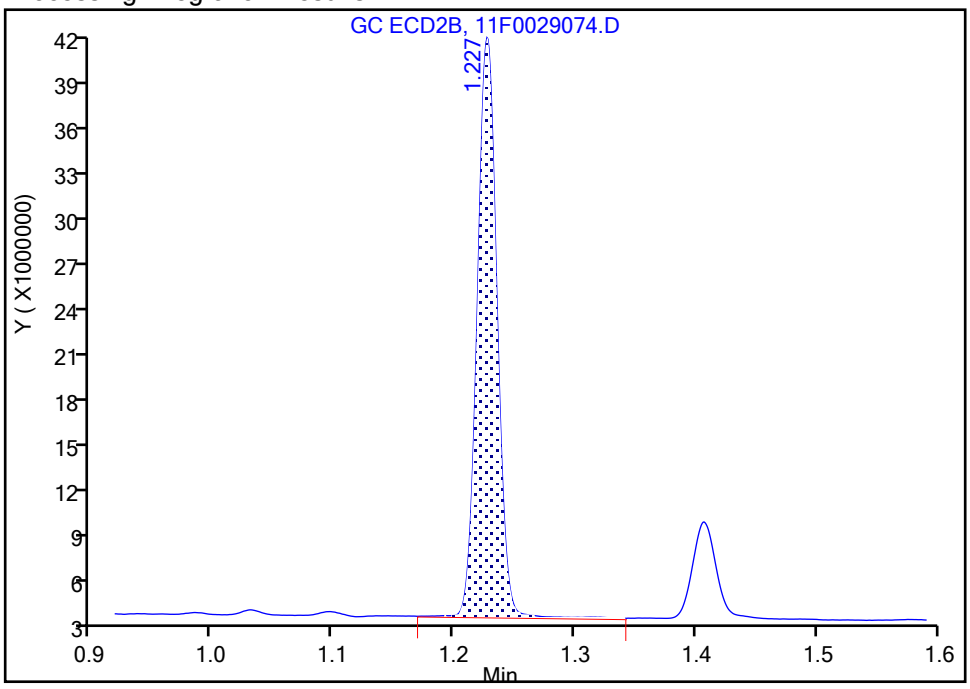
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

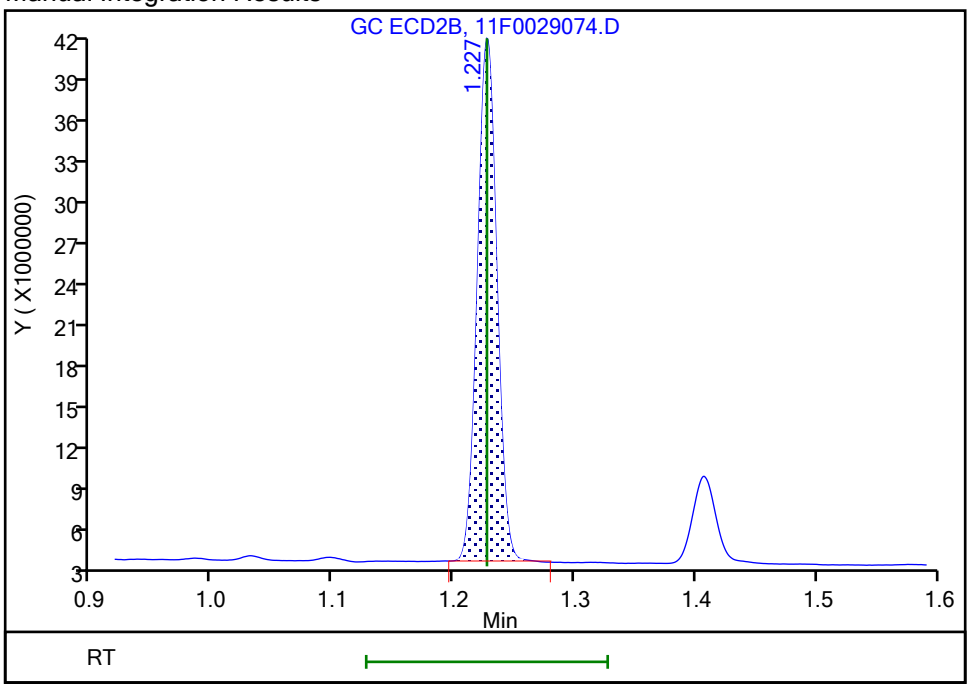
Processing Integration Results

RT: 1.23
Area: 43045994
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 42183358
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 14:19:05 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Calibration / PCB-1232 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

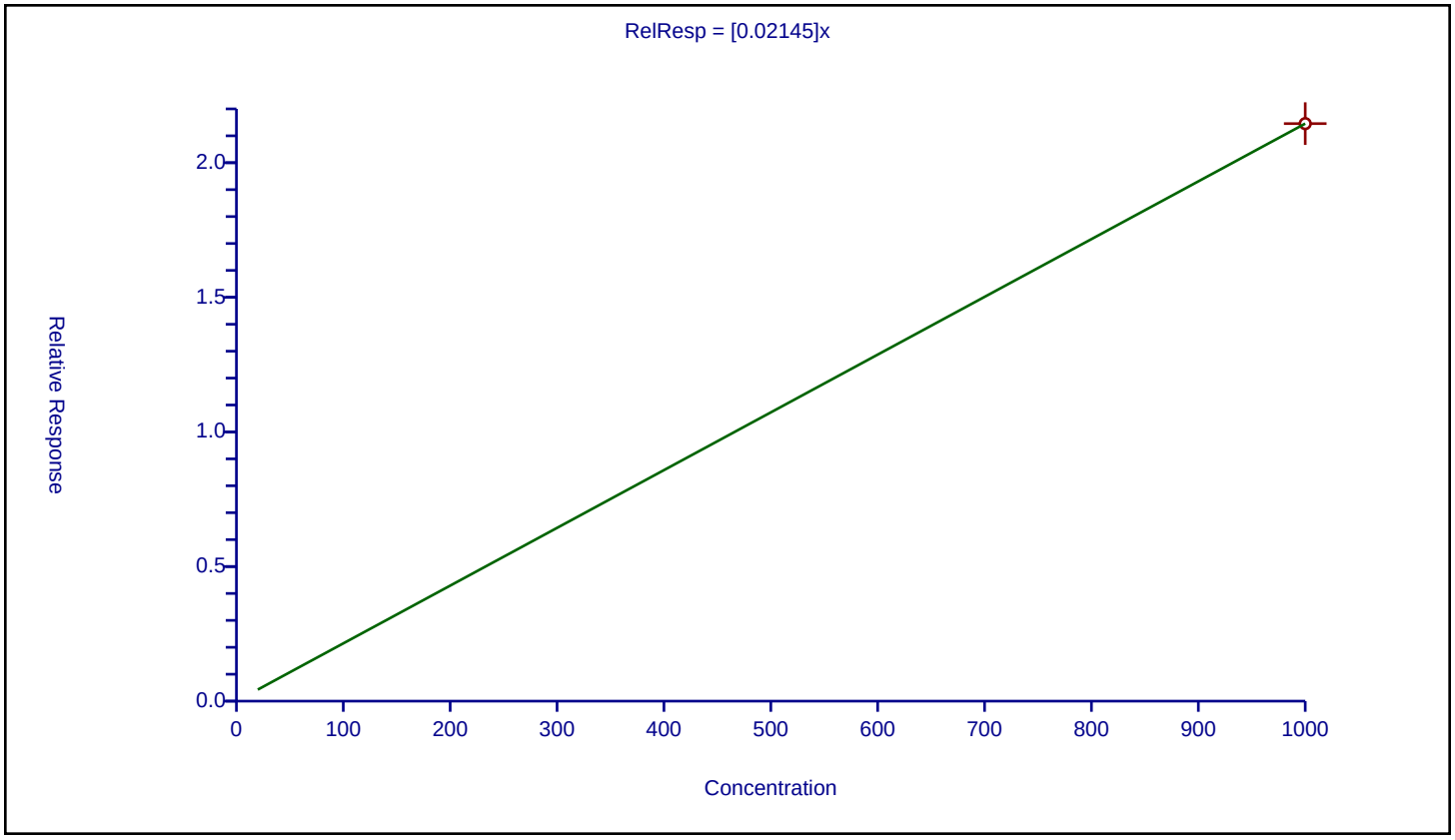
Curve Coefficients

Intercept:	0
Slope:	0.02145

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	21.452823	20.0	42183358.0	0.021453	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

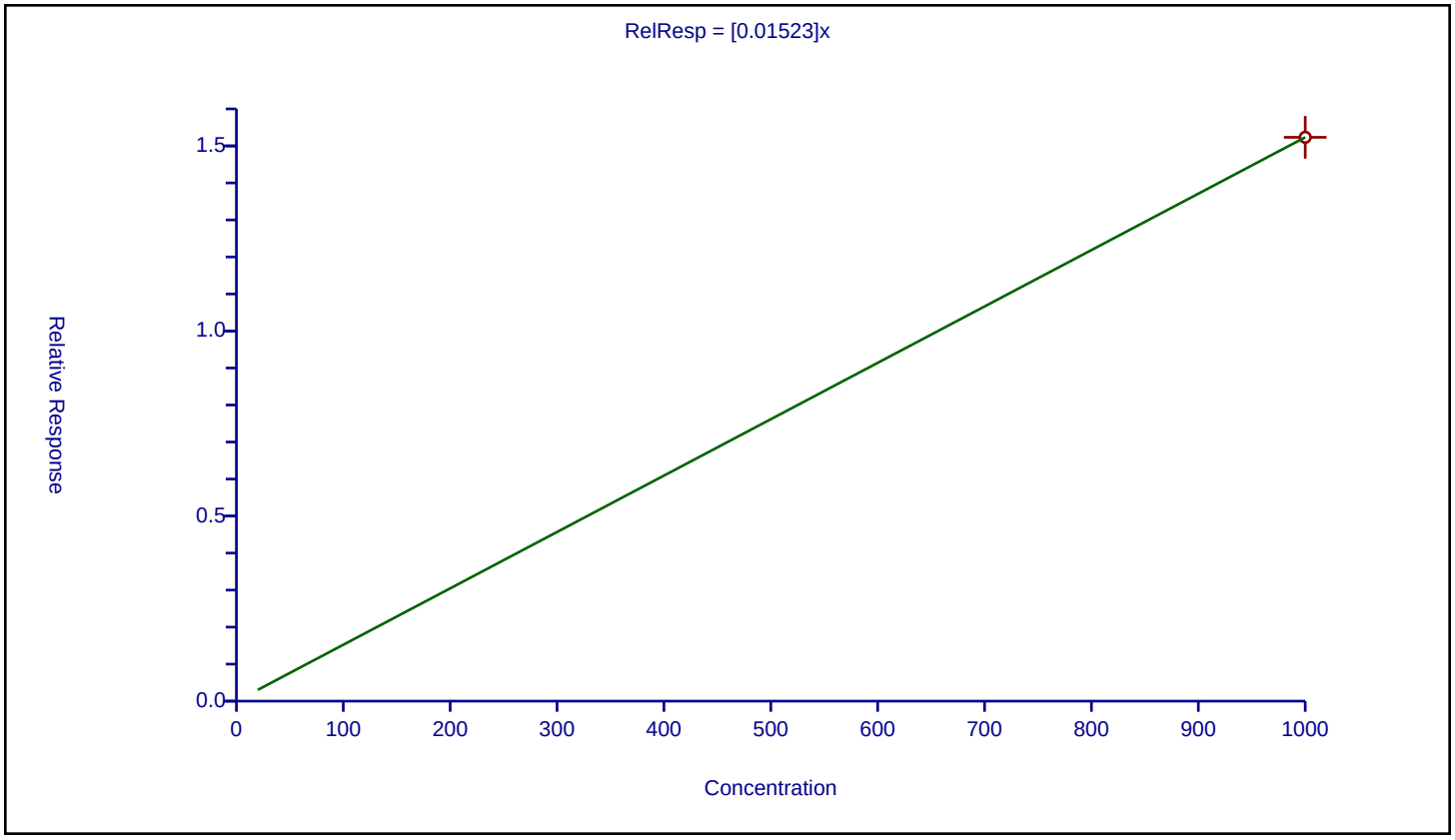
Curve Coefficients

Intercept:	0
Slope:	0.01523

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	15.232534	20.0	42183358.0	0.015233	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

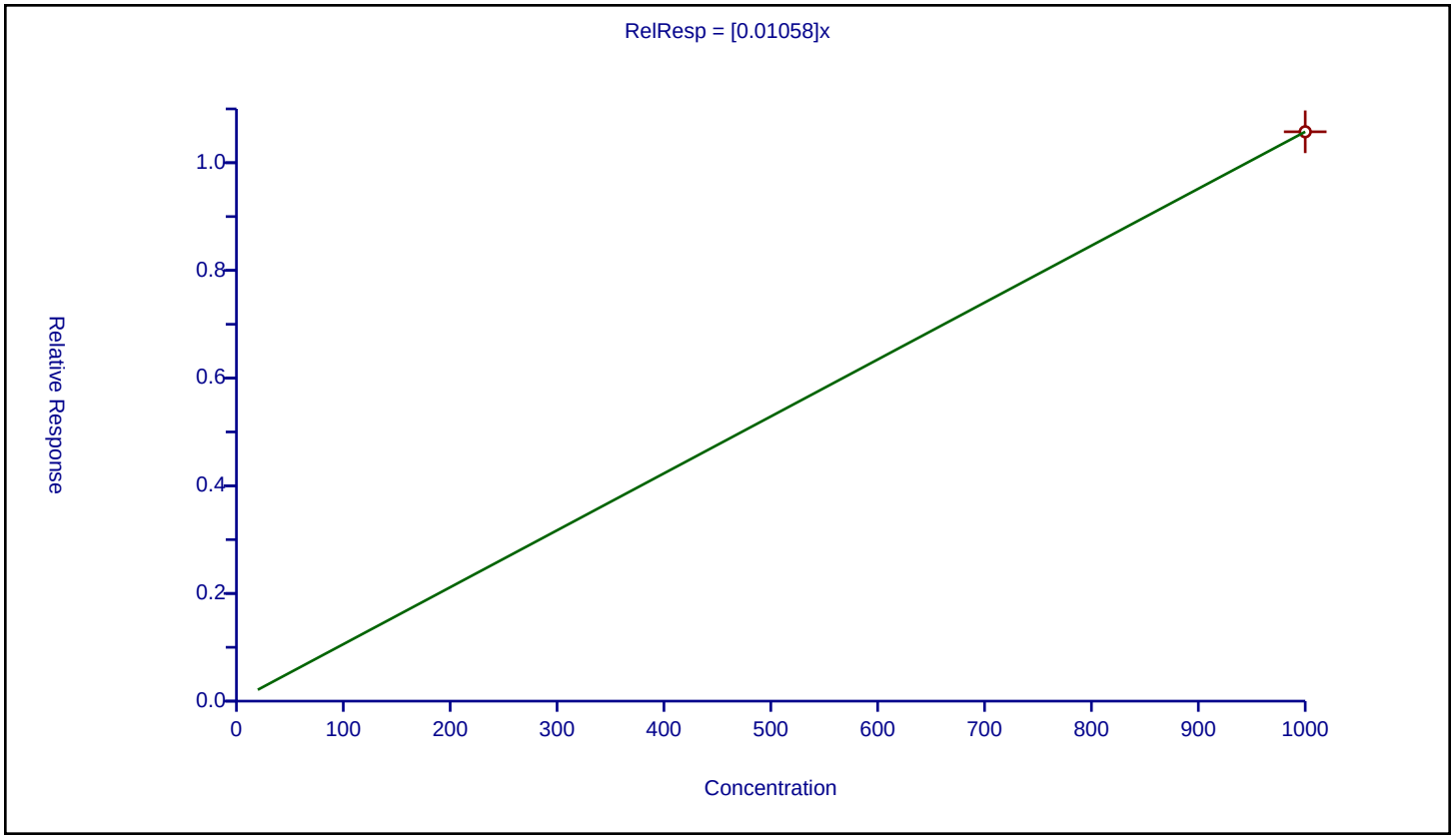
Curve Coefficients

Intercept:	0
Slope:	0.01058

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	10.575091	20.0	42183358.0	0.010575	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

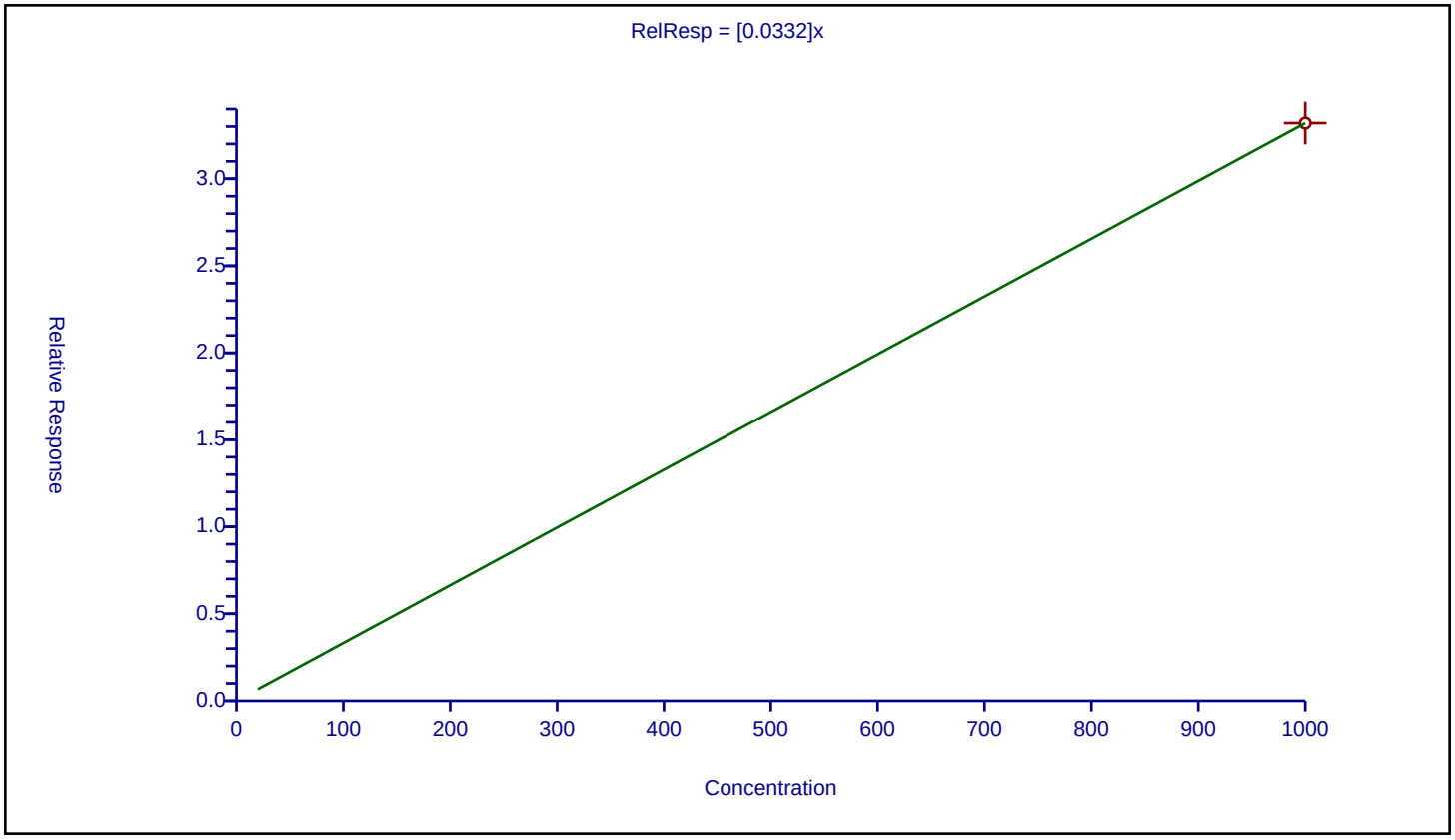
Curve Coefficients

Intercept:	0
Slope:	0.0332

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	33.197586	20.0	42183358.0	0.033198	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

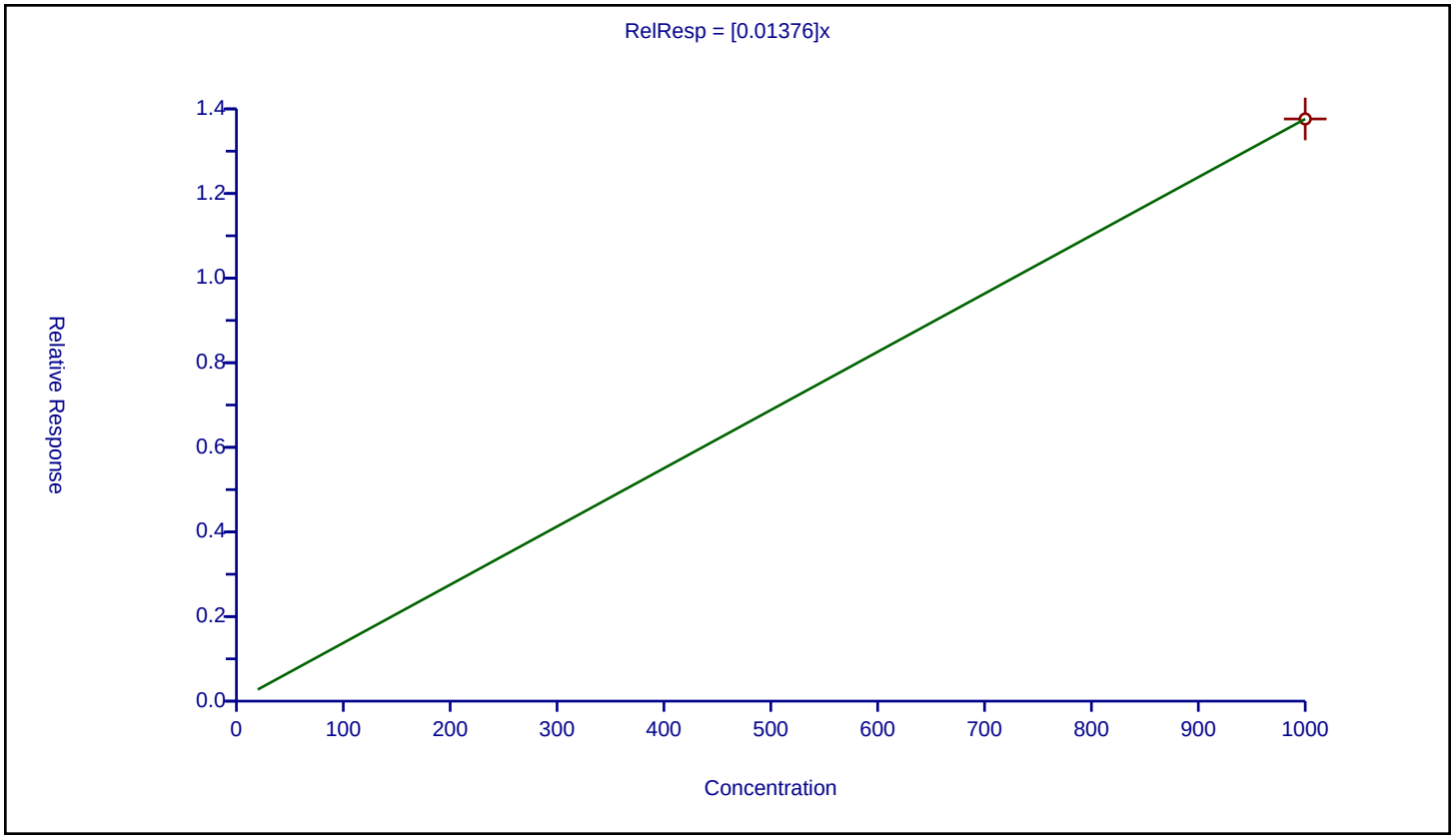
Curve Coefficients

Intercept:	0
Slope:	0.01376

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	13.762026	20.0	42183358.0	0.013762	Y



Calibration / PCB-1232 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

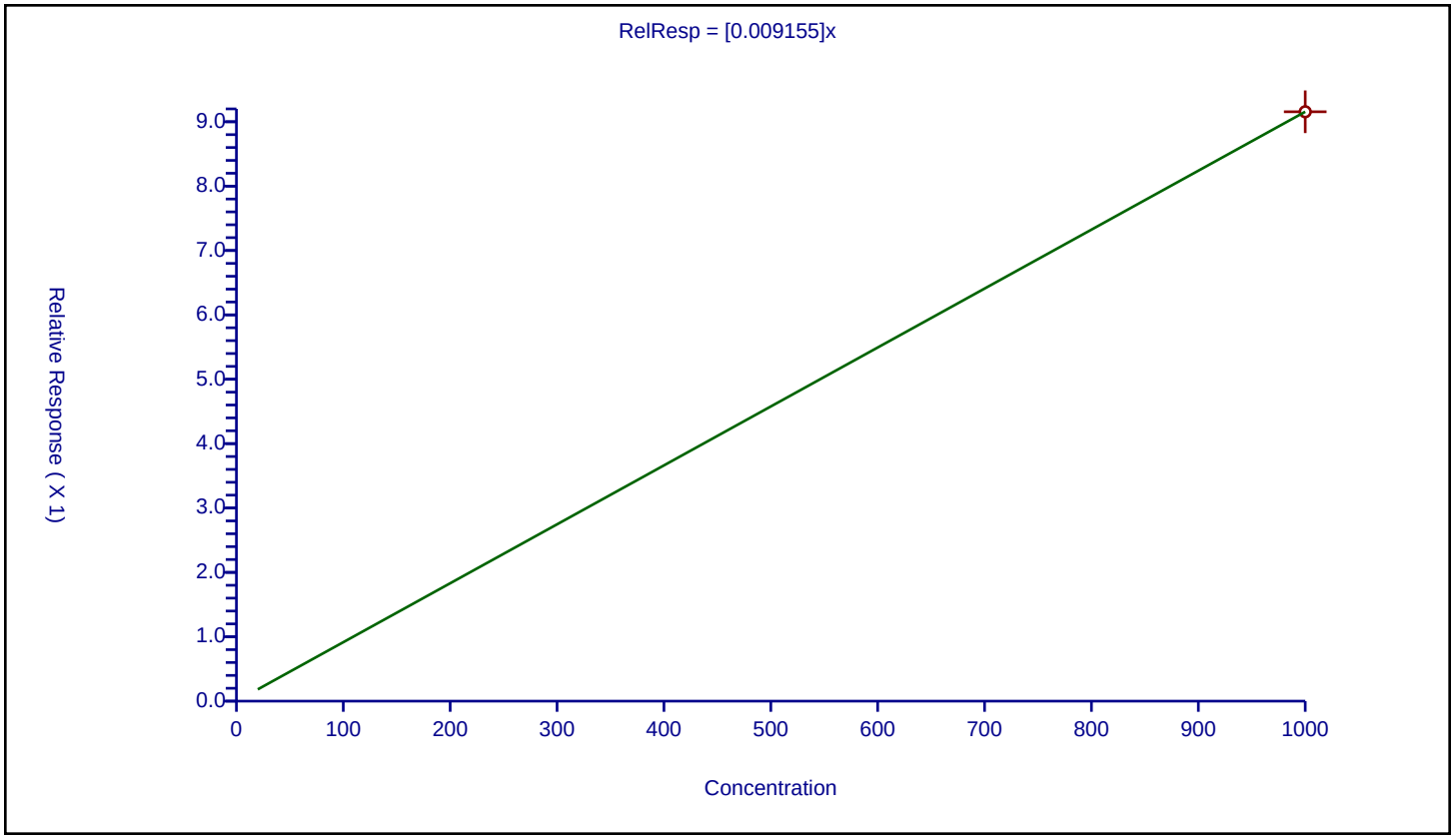
Curve Coefficients

Intercept:	0
Slope:	0.009155

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	9.155366	20.0	42183358.0	0.009155	Y



Calibration / PCB-1232 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

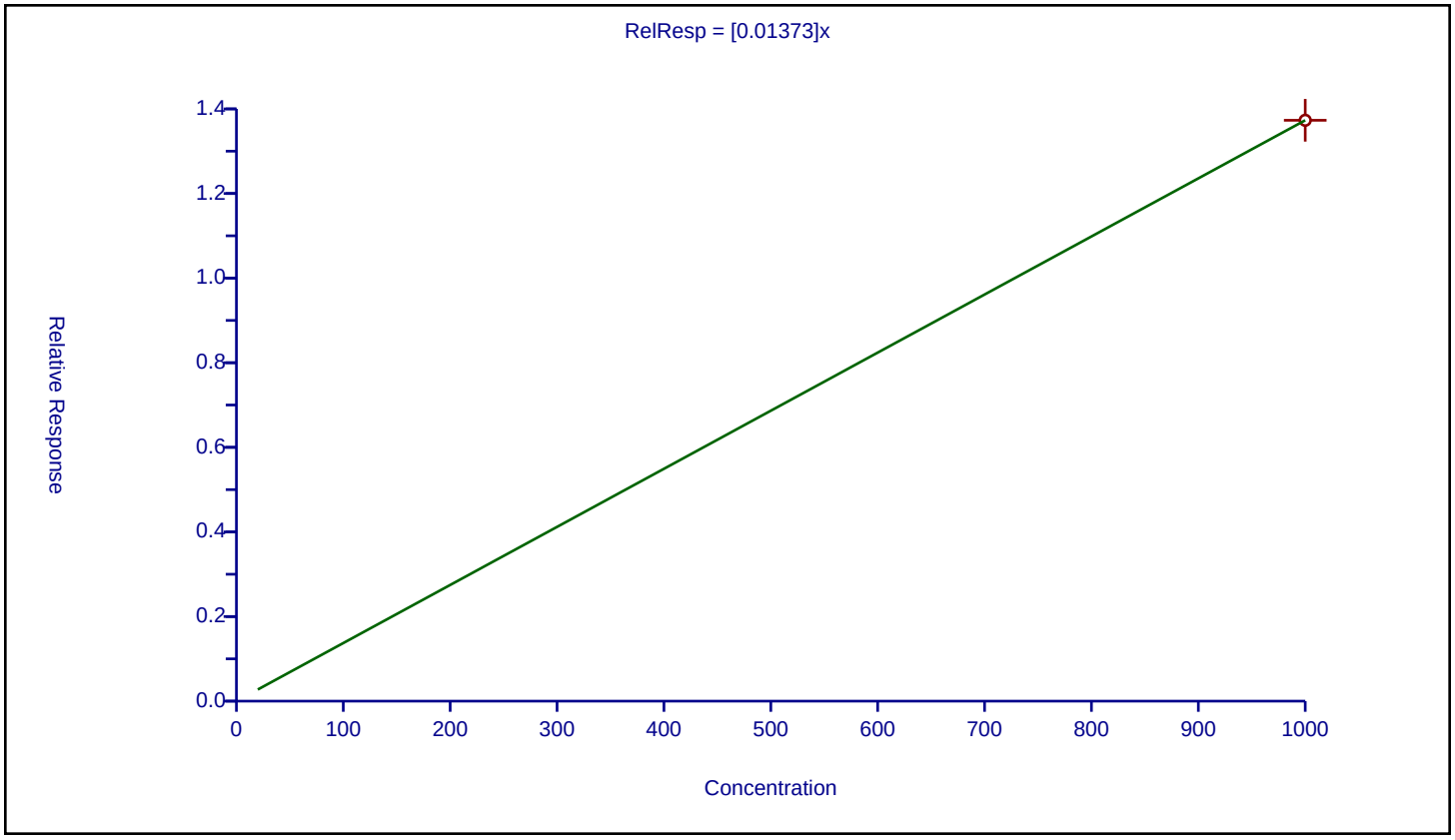
Curve Coefficients

Intercept:	0
Slope:	0.01373

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	13.730608	20.0	42183358.0	0.013731	Y



Calibration / PCB-1232 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

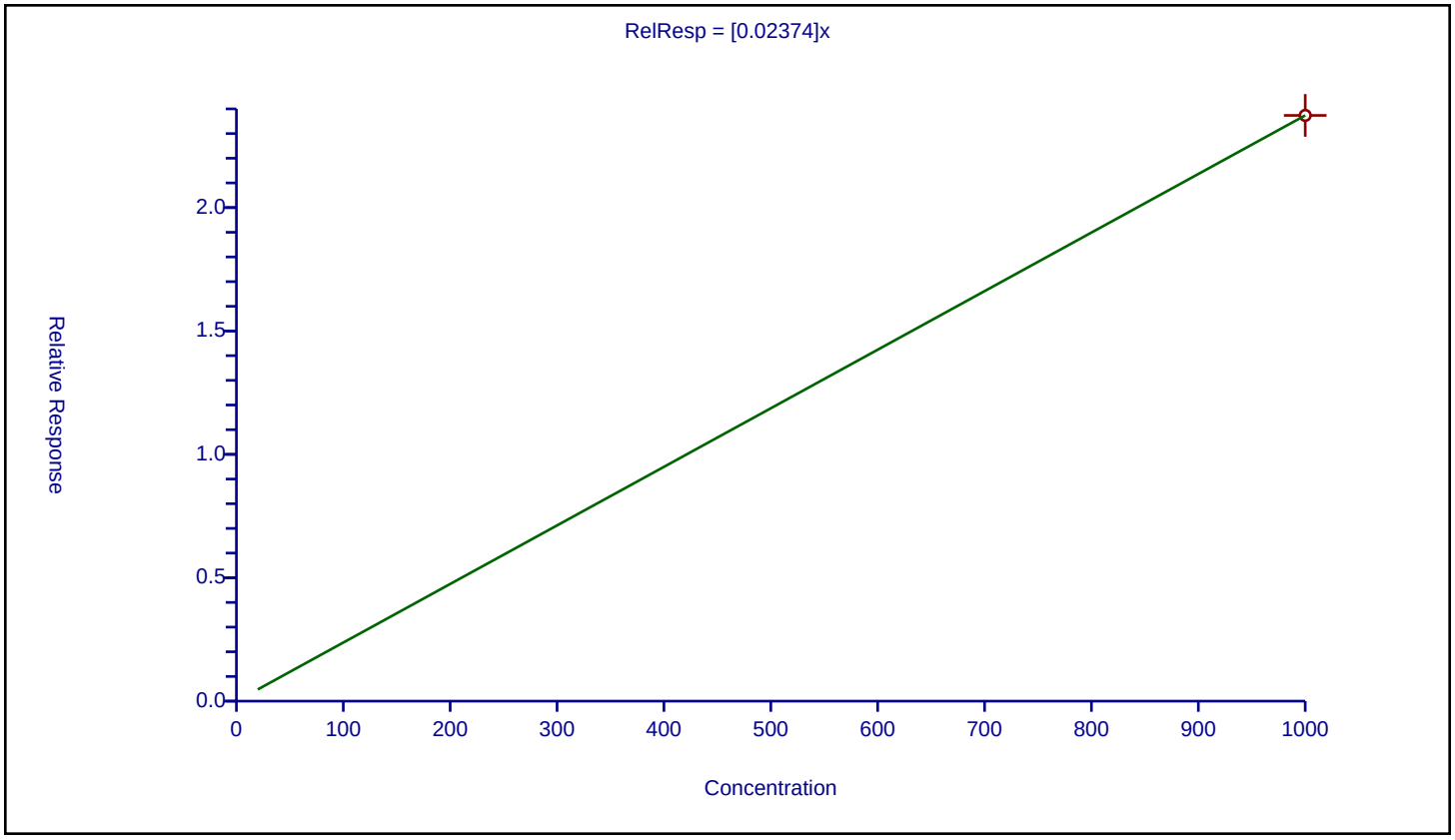
Curve Coefficients

Intercept:	0
Slope:	0.02374

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	23.735685	20.0	42183358.0	0.023736	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 Calibration End Date: 12/21/2023 12:56 Calibration ID: 95520

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0103					Ave		0.0103						20.0			
PCB-1242 Peak 2	0.0198					Ave		0.0198						20.0			
PCB-1242 Peak 3	0.0429					Ave		0.0429						20.0			
PCB-1242 Peak 4	0.0186					Ave		0.0186						20.0			
PCB-1242 Peak 5	0.0152					Ave		0.0152						20.0			
PCB-1242 Peak 6	0.0172					Ave		0.0172						20.0			
PCB-1242 Peak 7	0.0141					Ave		0.0141						20.0			
PCB-1242 Peak 8	0.0168					Ave		0.0168						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 | Calibration End Date: 12/21/2023 12:56 | Calibration ID: 95520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	25629218					1000				
PCB-1242 Peak 2	BNB	Ave	49180779					1000				
PCB-1242 Peak 3	BNB	Ave	106498435					1000				
PCB-1242 Peak 4	BNB	Ave	46178038					1000				
PCB-1242 Peak 5	BNB	Ave	37686294					1000				
PCB-1242 Peak 6	BNB	Ave	42651724					1000				
PCB-1242 Peak 7	BNB	Ave	34995569					1000				
PCB-1242 Peak 8	BNB	Ave	41750022					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:56:38 ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49667639	20.0	20.0	
2	1.227	1.227	0.000	45364679	20.0	20.0	M
						RPD = 0.00	
4 PCB-1242							M
1	2.912	2.912	0.000	25629218	1000.0	1000.0	
1	3.402	3.402	0.000	49180779	1000.0	1000.0	M
1	3.947	3.947	0.000	106498435	1000.0	1000.0	M
1	4.112	4.112	0.000	46178038	1000.0	1000.0	M
1	4.237	4.237	0.000	37686294	1000.0	1000.0	M
1	4.838	4.838	0.000	42651724	1000.0	1000.0	M
1	5.153	5.153	0.000	34995569	1000.0	1000.0	M
1	5.206	5.206	0.000	41750022	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	32009388	1000.0	1000.0	M
2	2.549	2.549	0.000	64490403	1000.0	1000.0	M
2	2.747	2.747	0.000	42274487	1000.0	1000.0	M
2	3.030	3.030	0.000	133113778	1000.0	1000.0	M
2	3.177	3.177	0.000	56071136	1000.0	1000.0	M
2	3.242	3.242	0.000	36741274	1000.0	1000.0	M
2	3.634	3.634	0.000	59253599	1000.0	1000.0	M
2	4.120	4.120	0.000	100755490	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

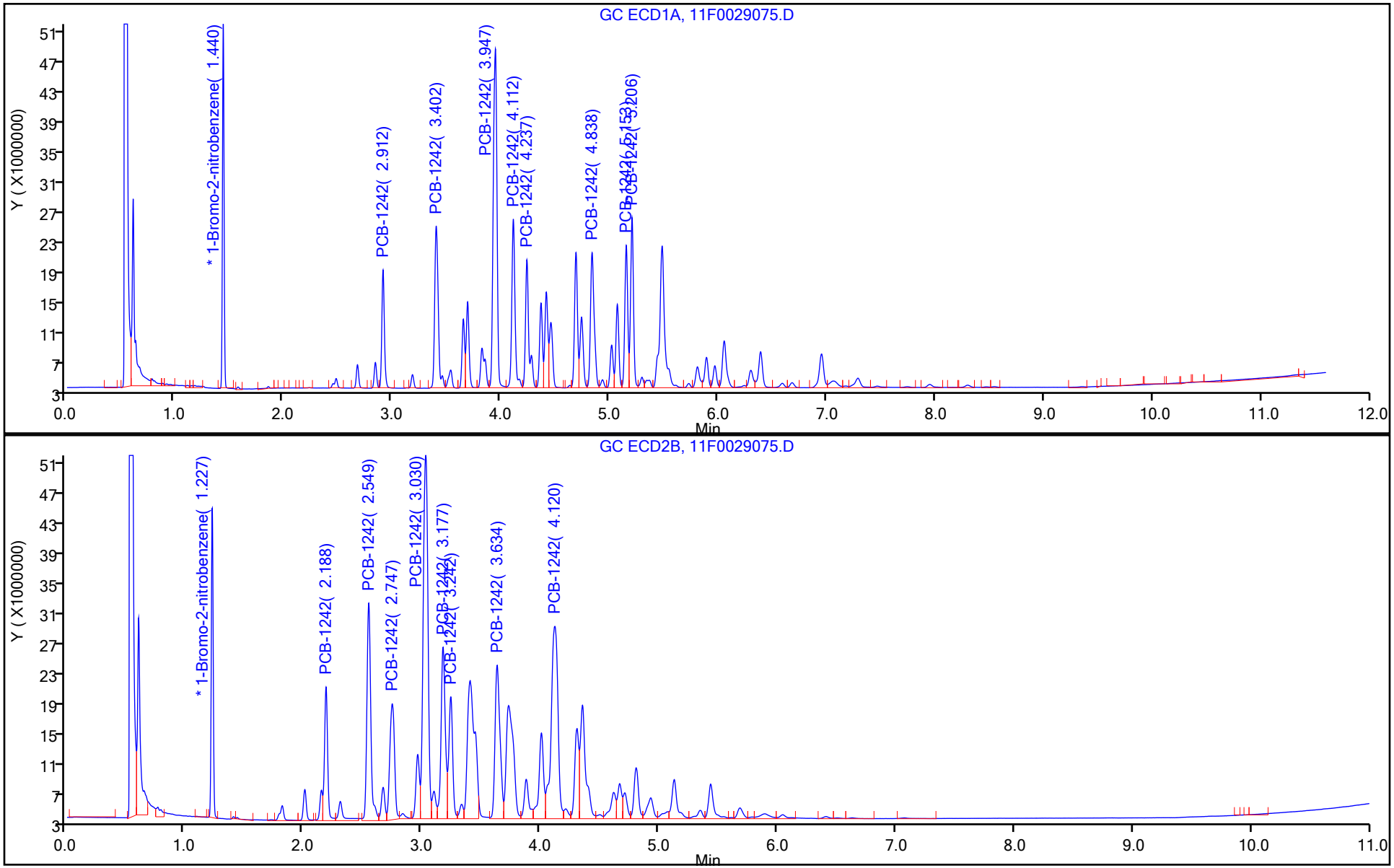
SG1242L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D

Injection Date:	21-Dec-2023 12:56:38	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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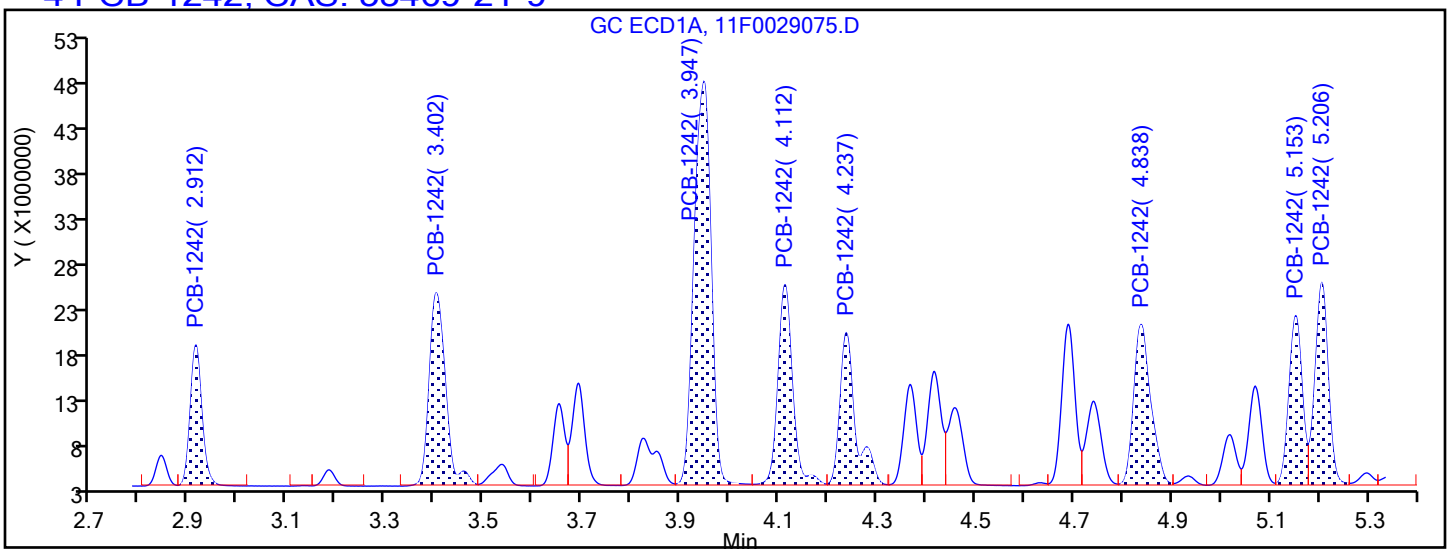
12:01:22 PM

Report Date: 21-Dec-2023 14:24:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

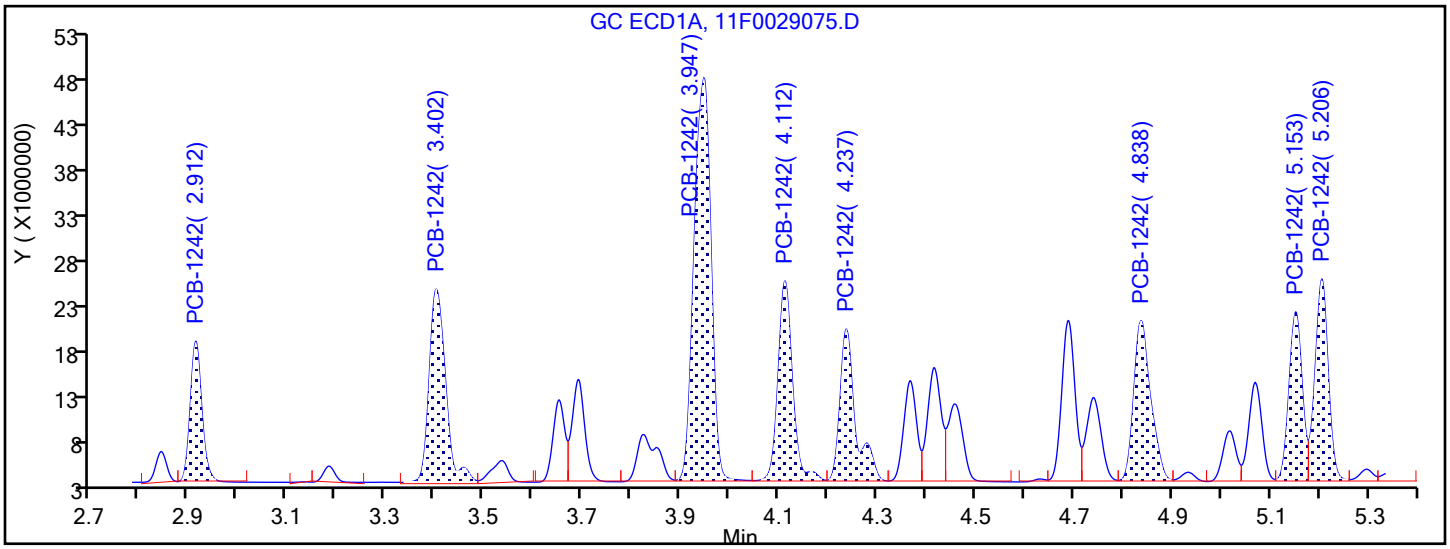
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.912	Response = 25629218
3.402	Response = 48872709
3.947	Response = 105564301
4.112	Response = 45255521
4.237	Response = 36962929
4.838	Response = 42218757
5.153	Response = 34848135
5.206	Response = 41576529



Manual Integration Results

2.912	Response = 25629218	
3.402	Response = 49180779	M
3.947	Response = 106498435	M
4.112	Response = 46178038	M
4.237	Response = 37686294	M
4.838	Response = 42651724	M

Calibration / PCB-1242 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

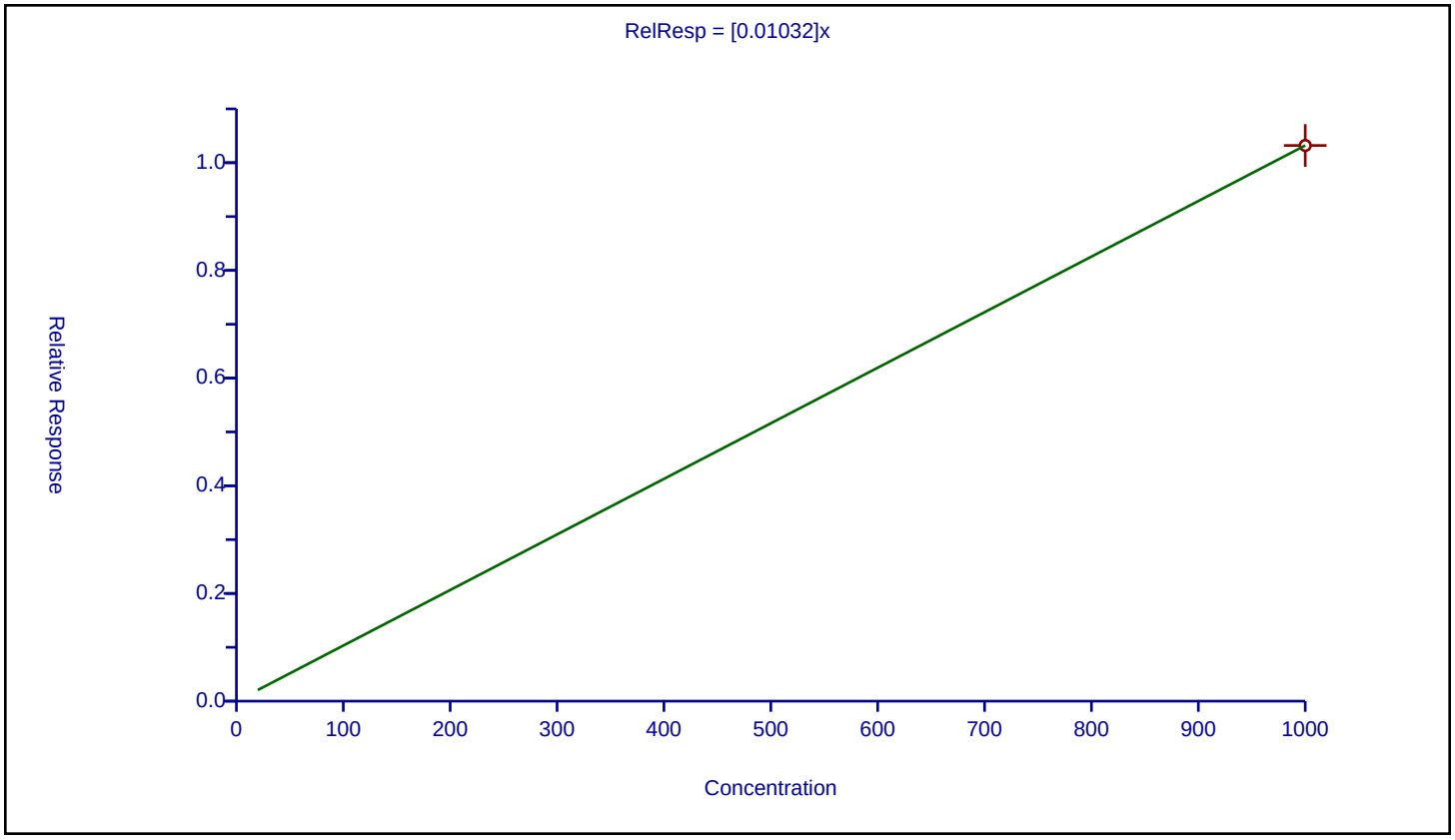
Curve Coefficients

Intercept:	0
Slope:	0.01032

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	10.320288	20.0	49667639.0	0.01032	Y



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12:01:22 PM

Calibration / PCB-1242 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

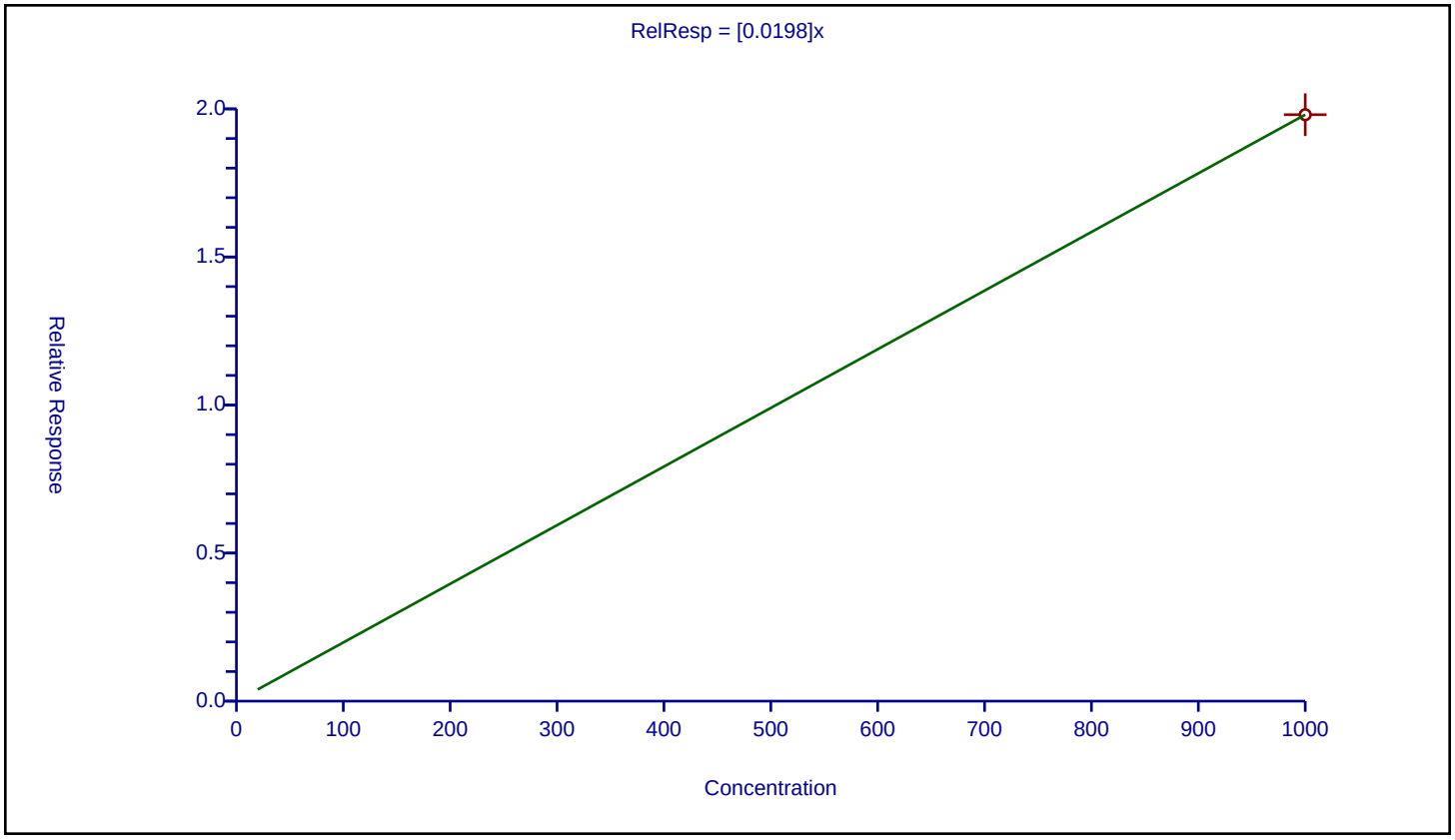
Curve Coefficients

Intercept:	0
Slope:	0.0198

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	19.803953	20.0	49667639.0	0.019804	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

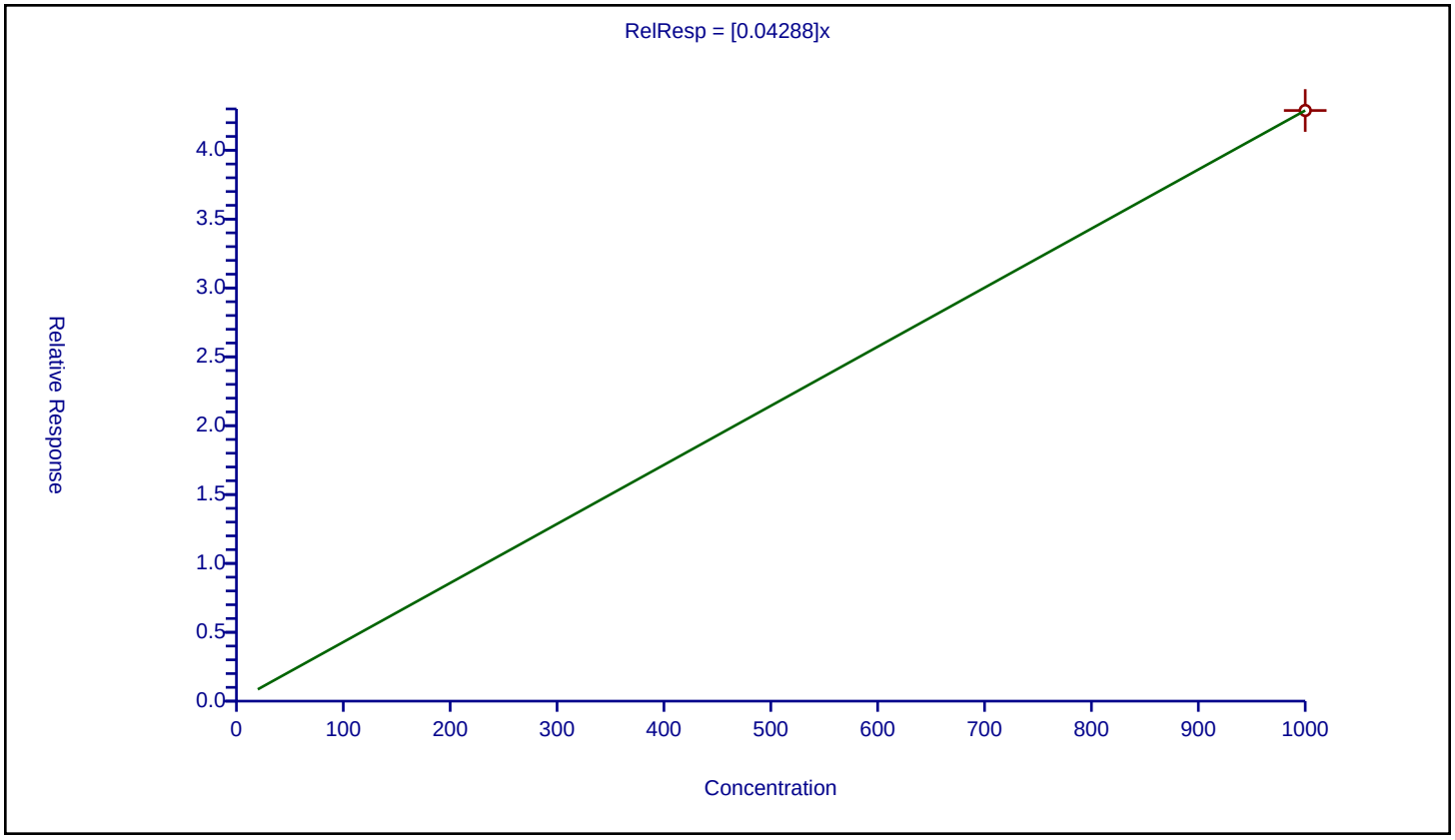
Curve Coefficients

Intercept:	0
Slope:	0.04288

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	42.884436	20.0	49667639.0	0.042884	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

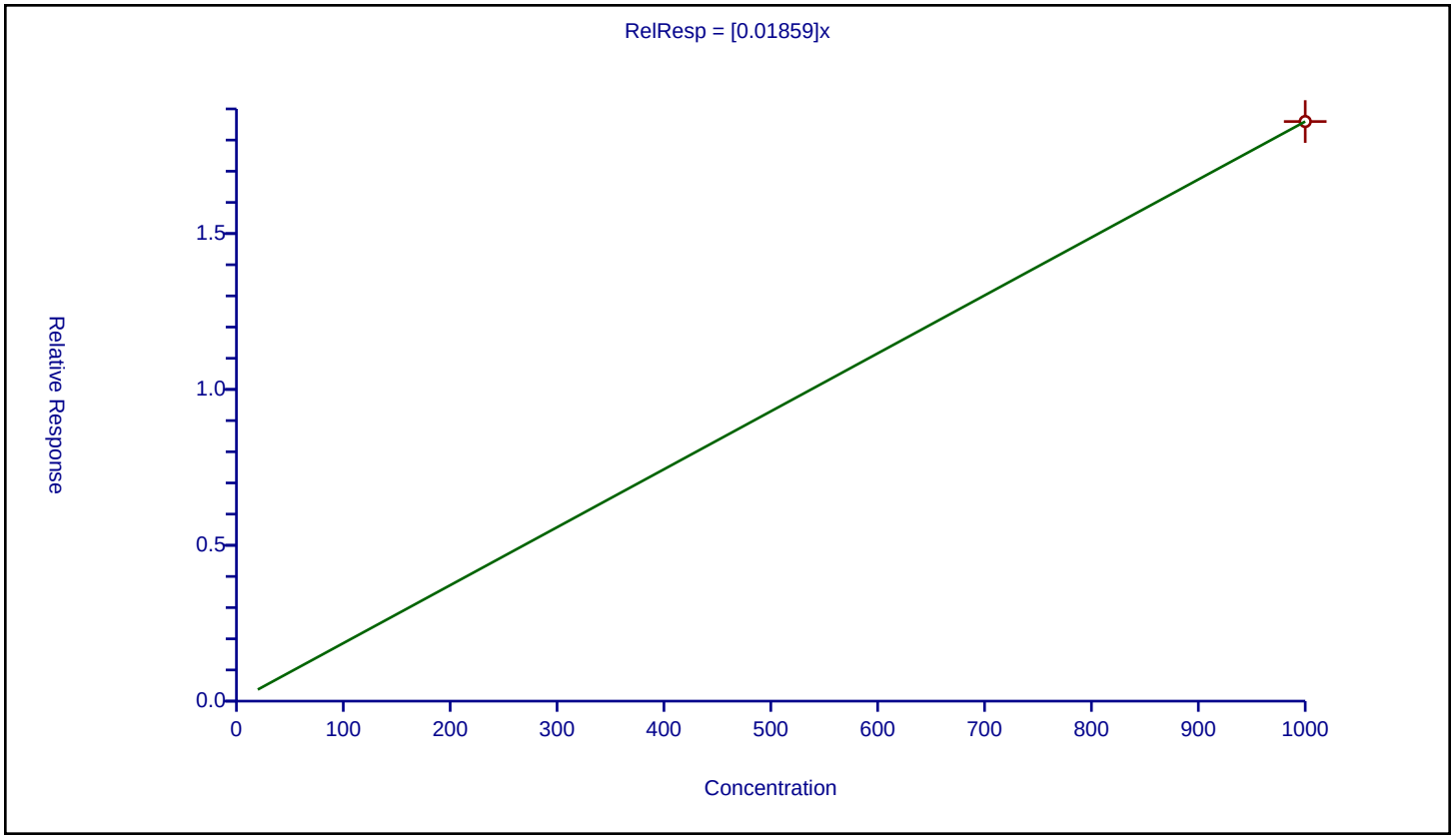
Curve Coefficients

Intercept:	0
Slope:	0.01859

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	18.594819	20.0	49667639.0	0.018595	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

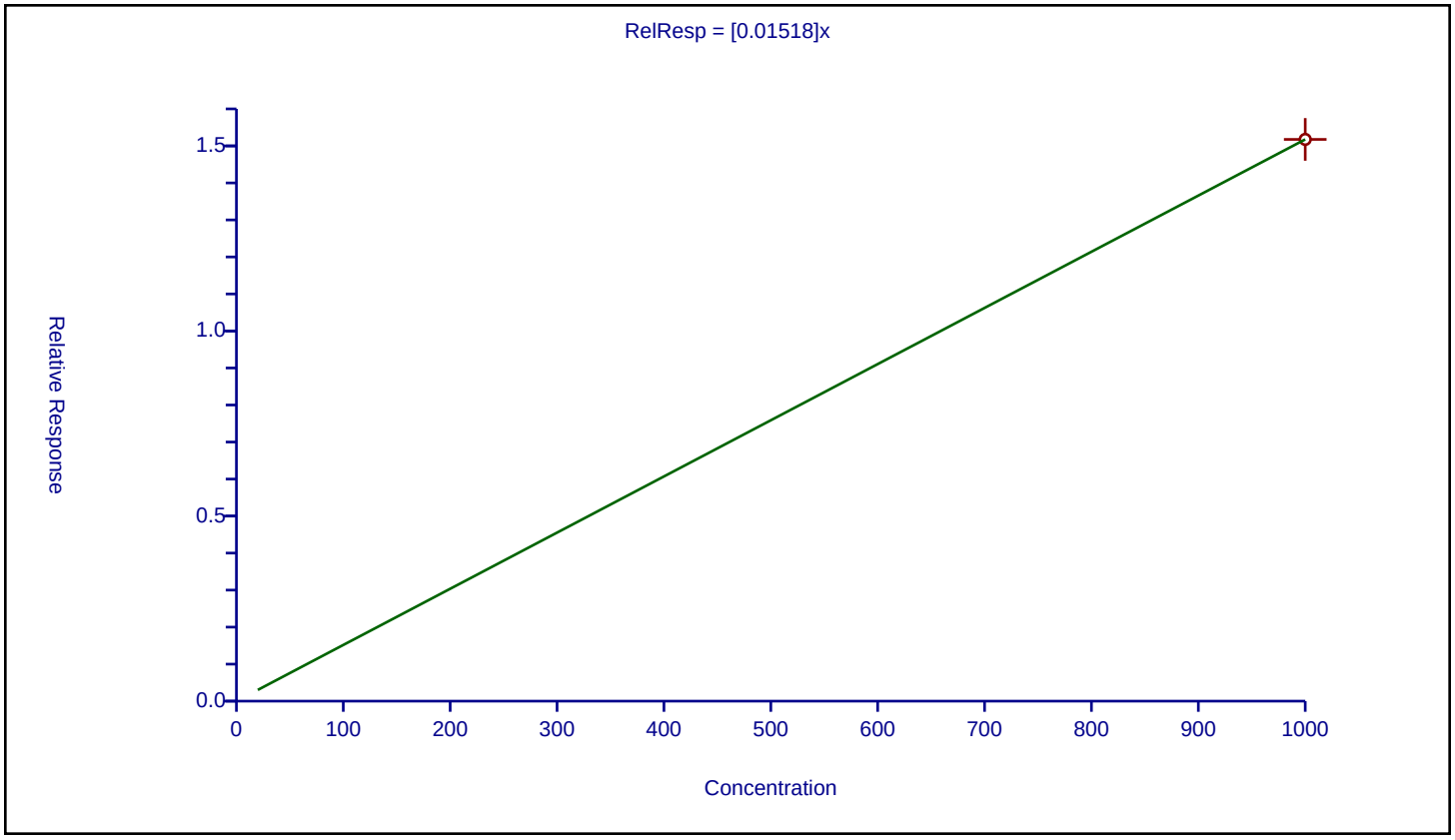
Curve Coefficients

Intercept:	0
Slope:	0.01518

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	15.175392	20.0	49667639.0	0.015175	Y



Calibration / PCB-1242 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

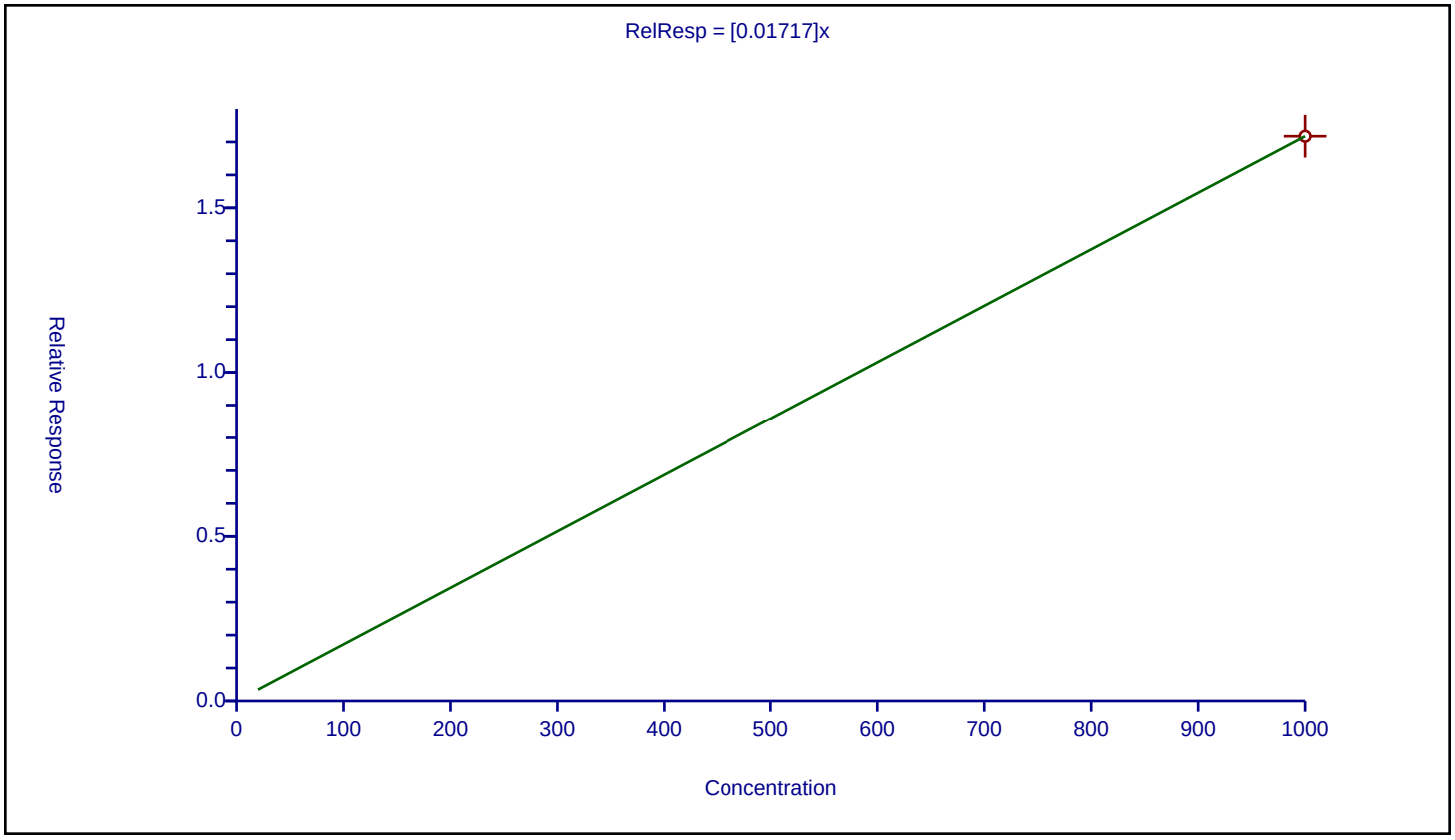
Curve Coefficients

Intercept:	0
Slope:	0.01717

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	17.174855	20.0	49667639.0	0.017175	Y



Calibration / PCB-1242 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

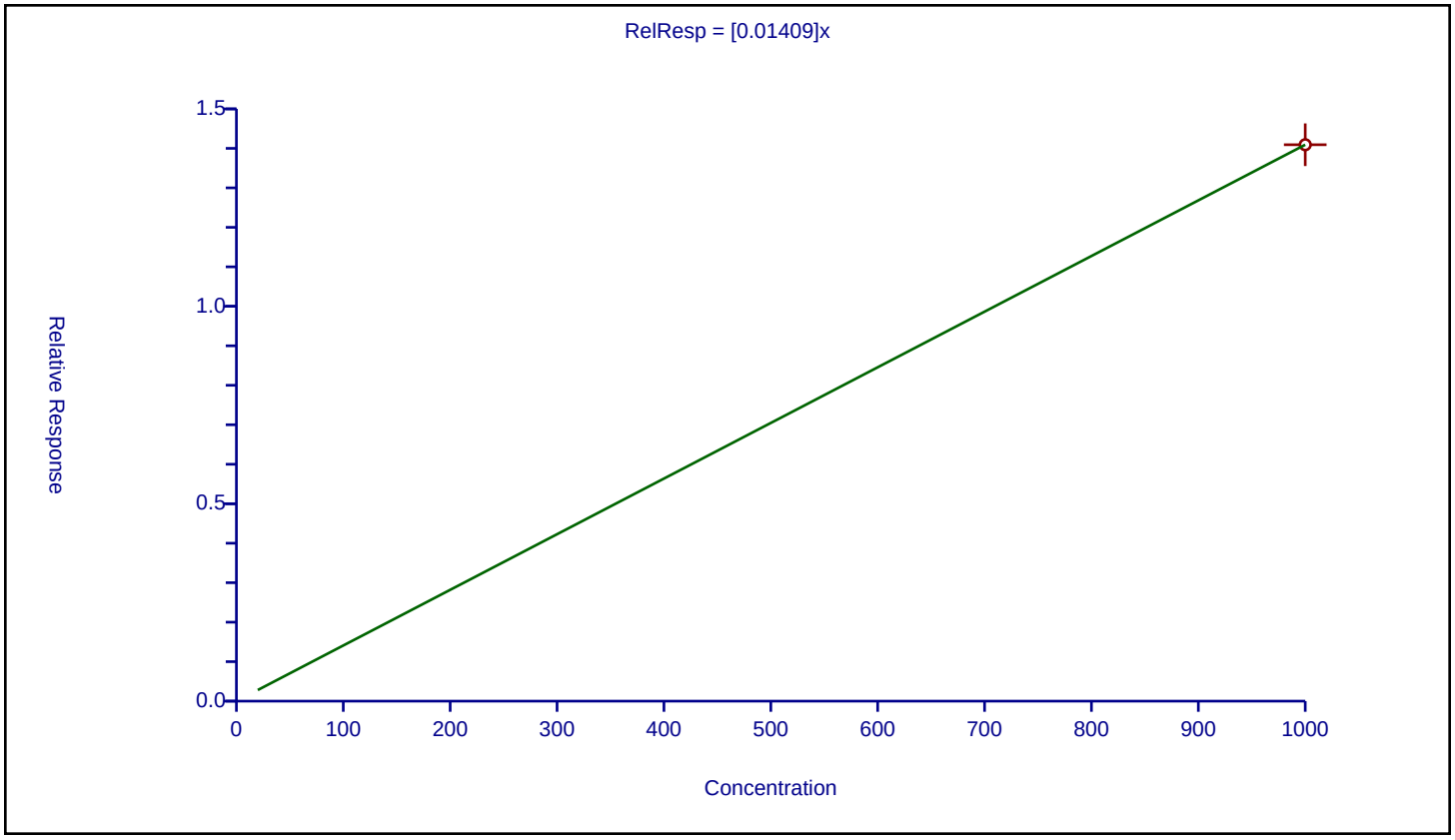
Curve Coefficients

Intercept:	0
Slope:	0.01409

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	14.0919	20.0	49667639.0	0.014092	Y



Calibration / PCB-1242 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

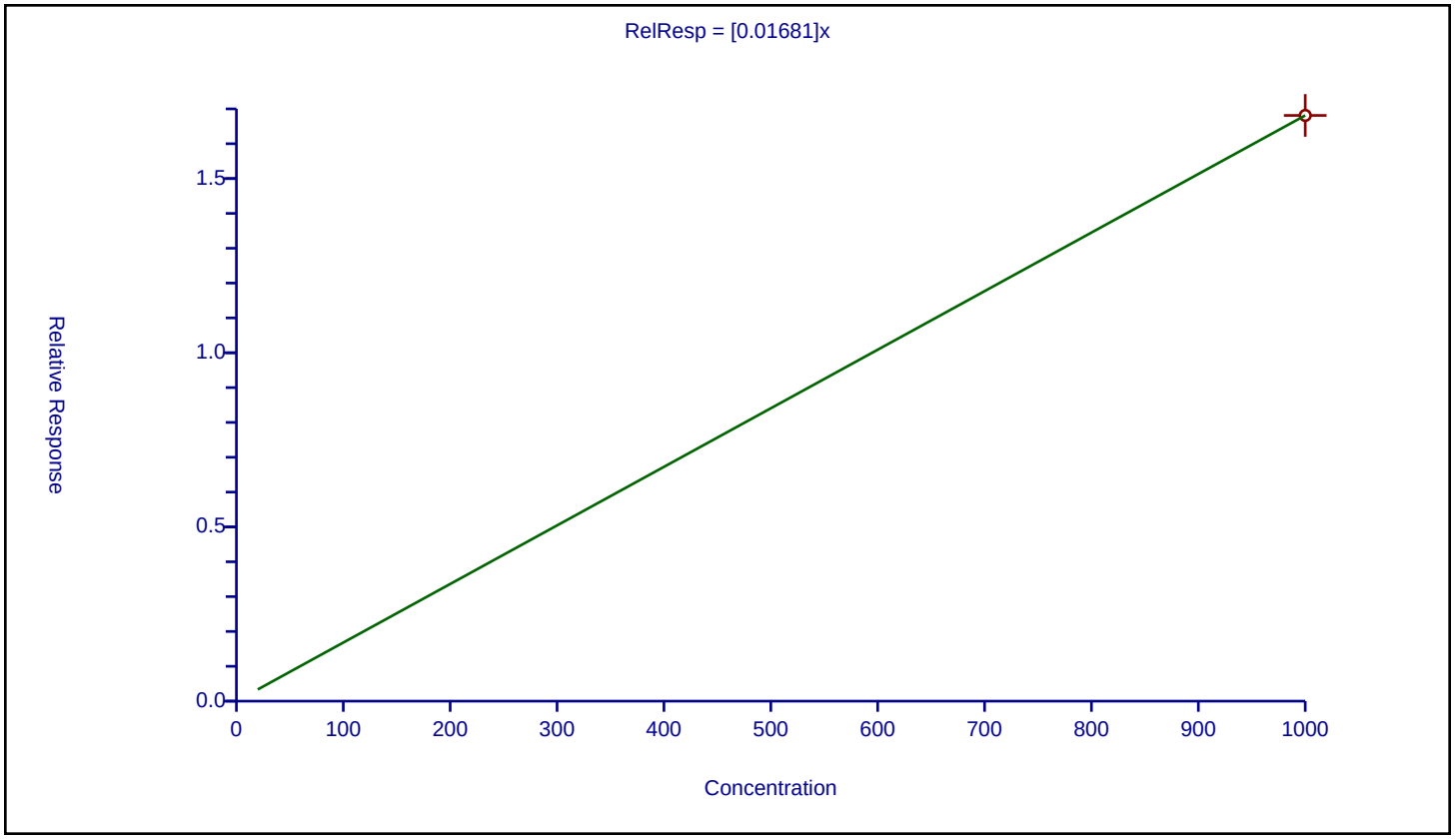
Curve Coefficients

Intercept:	0
Slope:	0.01681

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	16.81176	20.0	49667639.0	0.016812	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 Calibration End Date: 12/21/2023 12:56 Calibration ID: 95521

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0141					Ave		0.0141						20.0			
PCB-1242 Peak 2	0.0284					Ave		0.0284						20.0			
PCB-1242 Peak 3	0.0186					Ave		0.0186						20.0			
PCB-1242 Peak 4	0.0587					Ave		0.0587						20.0			
PCB-1242 Peak 5	0.0247					Ave		0.0247						20.0			
PCB-1242 Peak 6	0.0162					Ave		0.0162						20.0			
PCB-1242 Peak 7	0.0261					Ave		0.0261						20.0			
PCB-1242 Peak 8	0.0444					Ave		0.0444						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 | Calibration End Date: 12/21/2023 12:56 | Calibration ID: 95521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	32009388					1000				
PCB-1242 Peak 2	BNB	Ave	64490403					1000				
PCB-1242 Peak 3	BNB	Ave	42274487					1000				
PCB-1242 Peak 4	BNB	Ave	133113778					1000				
PCB-1242 Peak 5	BNB	Ave	56071136					1000				
PCB-1242 Peak 6	BNB	Ave	36741274					1000				
PCB-1242 Peak 7	BNB	Ave	59253599					1000				
PCB-1242 Peak 8	BNB	Ave	100755490					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:56:38 ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49667639	20.0	20.0	
2	1.227	1.227	0.000	45364679	20.0	20.0	M
						RPD = 0.00	
4 PCB-1242							M
1	2.912	2.912	0.000	25629218	1000.0	1000.0	
1	3.402	3.402	0.000	49180779	1000.0	1000.0	M
1	3.947	3.947	0.000	106498435	1000.0	1000.0	M
1	4.112	4.112	0.000	46178038	1000.0	1000.0	M
1	4.237	4.237	0.000	37686294	1000.0	1000.0	M
1	4.838	4.838	0.000	42651724	1000.0	1000.0	M
1	5.153	5.153	0.000	34995569	1000.0	1000.0	M
1	5.206	5.206	0.000	41750022	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	32009388	1000.0	1000.0	M
2	2.549	2.549	0.000	64490403	1000.0	1000.0	M
2	2.747	2.747	0.000	42274487	1000.0	1000.0	M
2	3.030	3.030	0.000	133113778	1000.0	1000.0	M
2	3.177	3.177	0.000	56071136	1000.0	1000.0	M
2	3.242	3.242	0.000	36741274	1000.0	1000.0	M
2	3.634	3.634	0.000	59253599	1000.0	1000.0	M
2	4.120	4.120	0.000	100755490	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

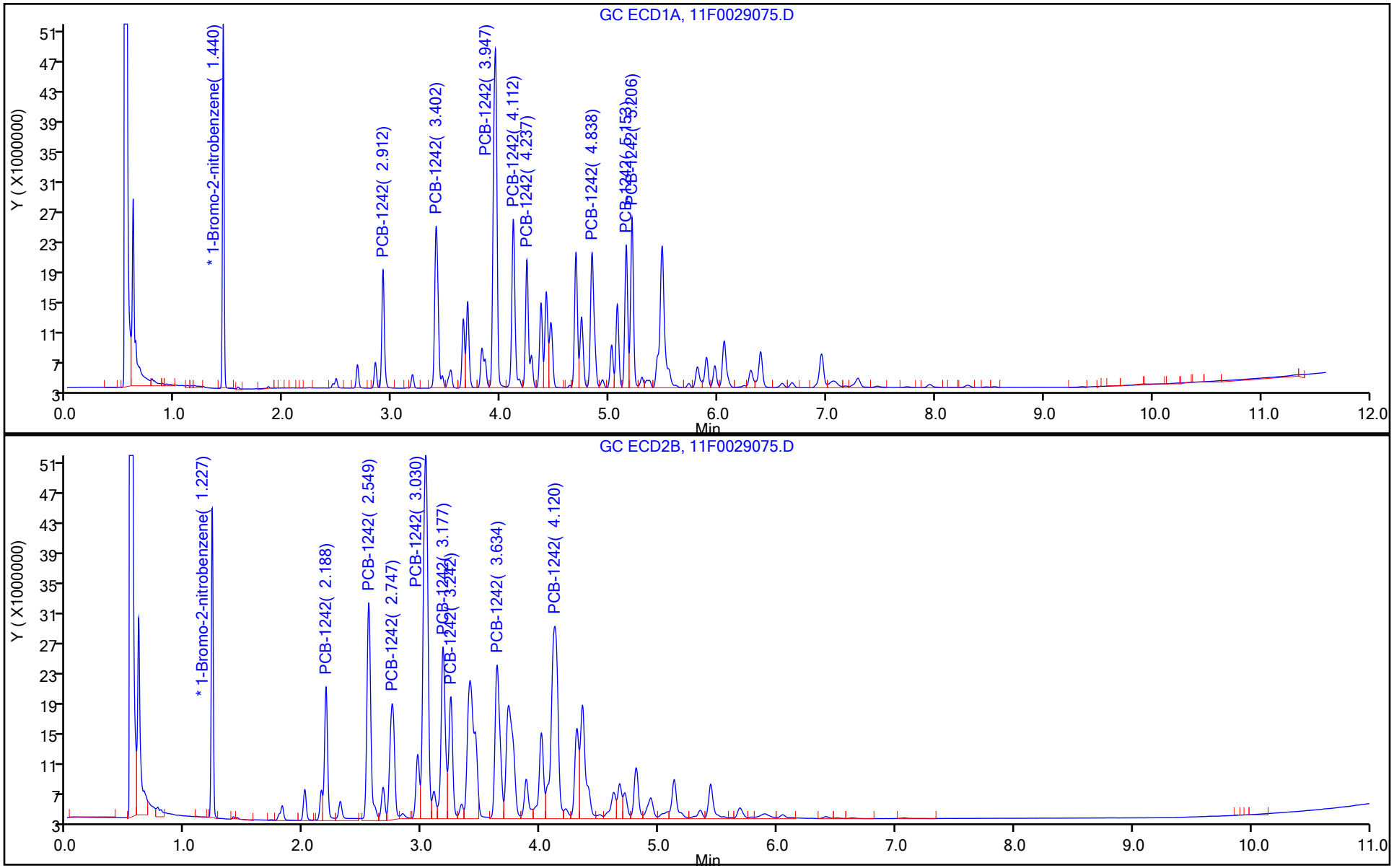
SG1242L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:15 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D

Injection Date:	21-Dec-2023 12:56:38	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

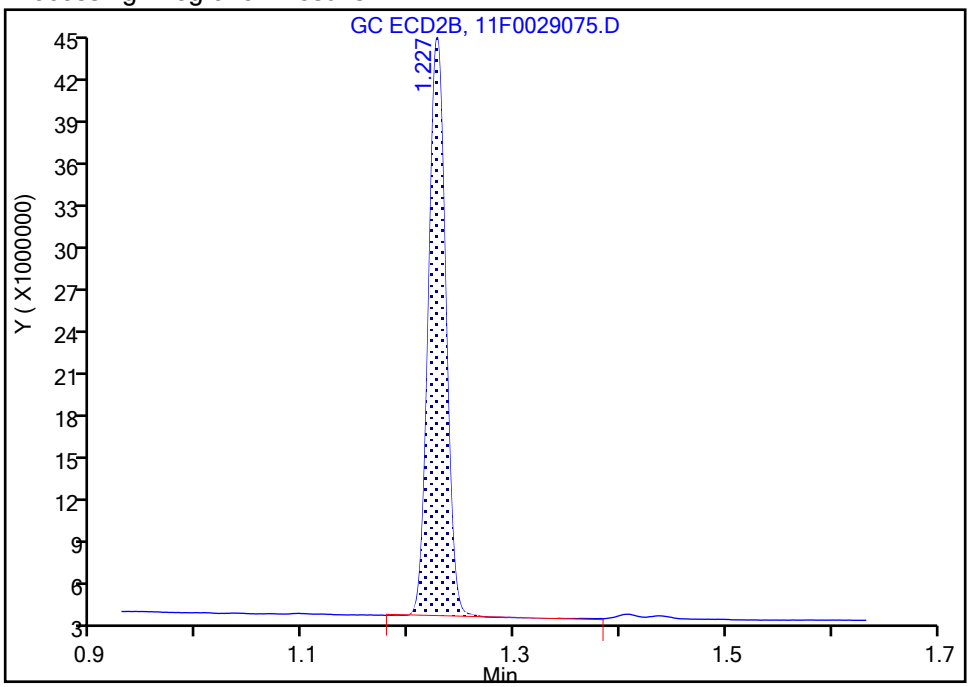
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

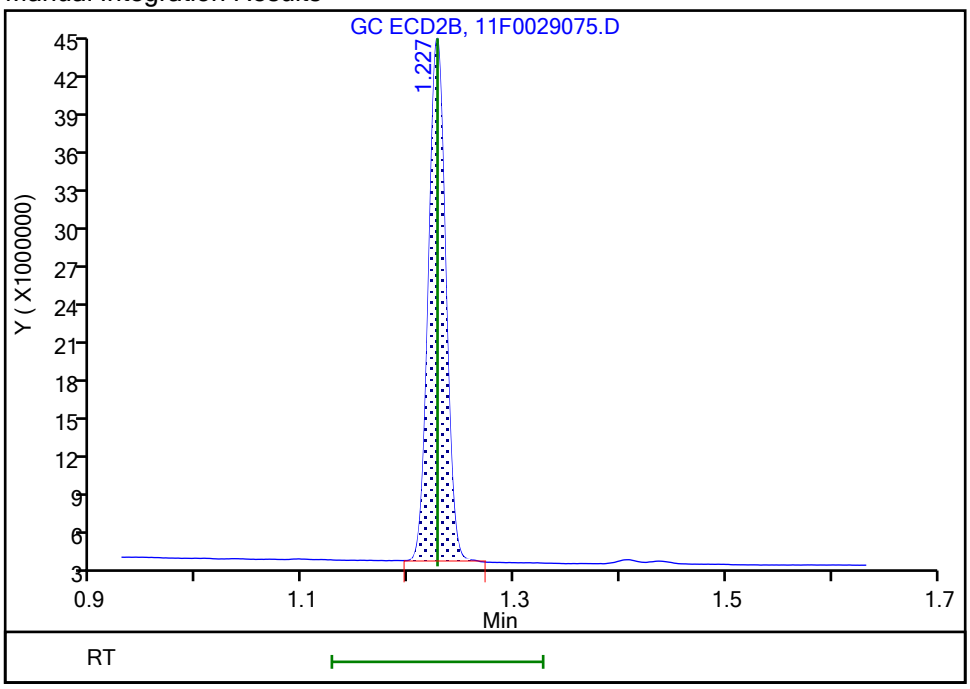
Processing Integration Results

RT: 1.23
Area: 45618859
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 45364679
Amount: 20.000000
Amount Units: ug/l



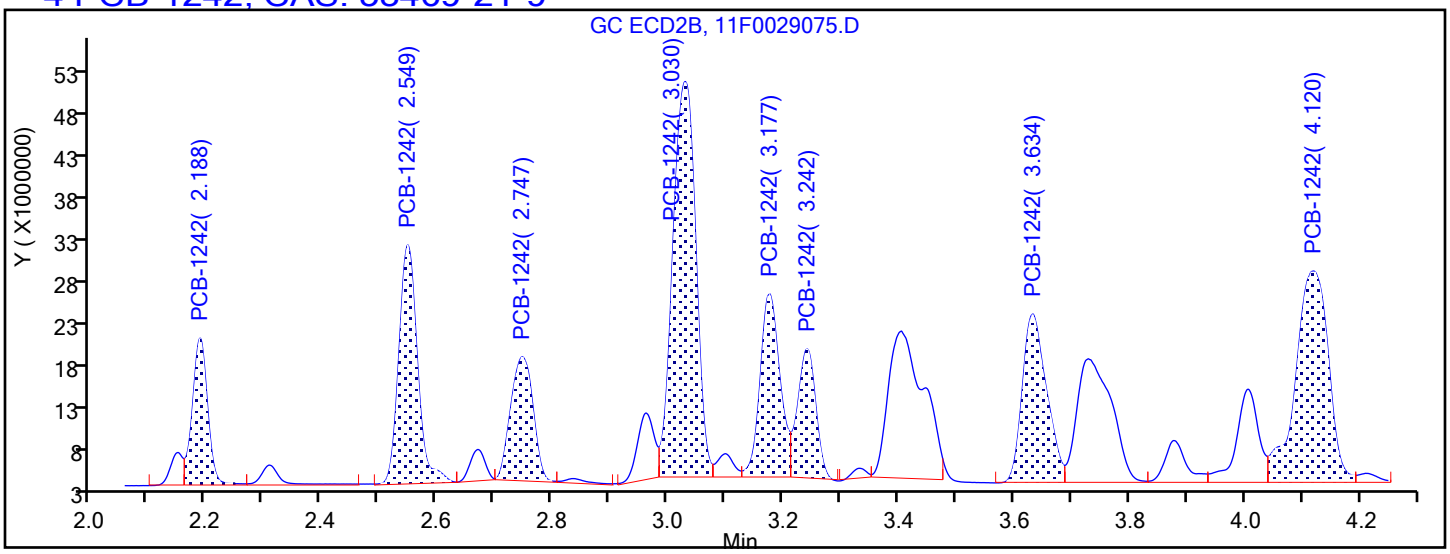
Reviewer: OR9X, 21-Dec-2023 14:18:45 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:15 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

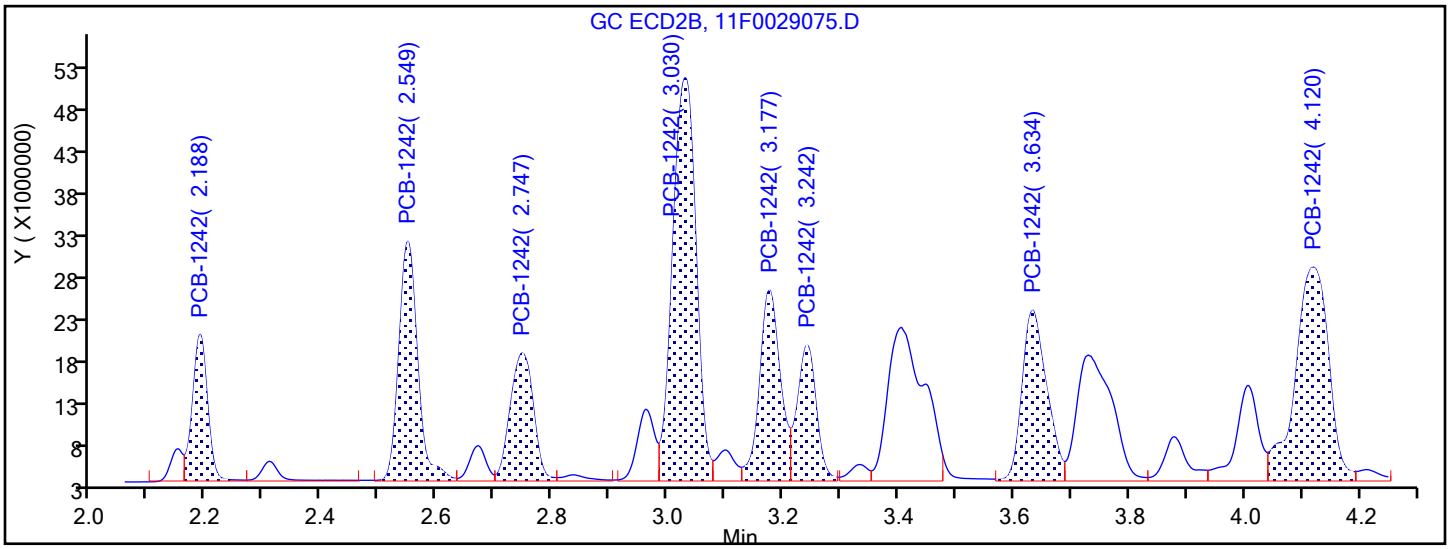
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.188	Response = 30757715
2.549	Response = 62184716
2.747	Response = 38289474
3.030	Response = 127024111
3.177	Response = 51023217
3.242	Response = 33252817
3.634	Response = 57718653
4.120	Response = 99269517



Manual Integration Results

2.188	Response = 32009388	M
2.549	Response = 64490403	M
2.747	Response = 42274487	M
3.030	Response = 133113778	M
3.177	Response = 56071136	M
3.242	Response = 36741274	M

Calibration / PCB-1242 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

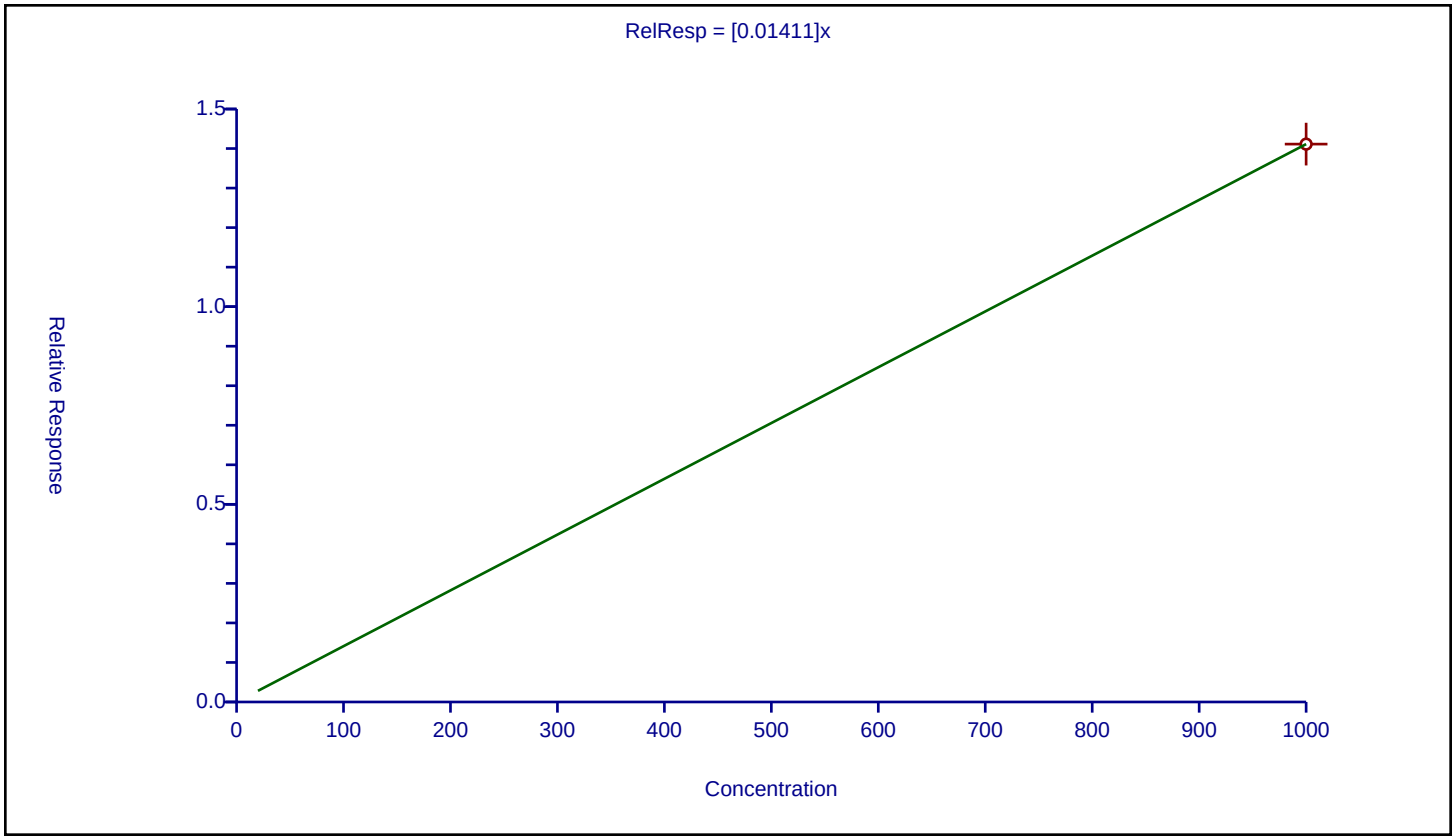
Curve Coefficients

Intercept:	0
Slope:	0.01411

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	14.112031	20.0	45364679.0	0.014112	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

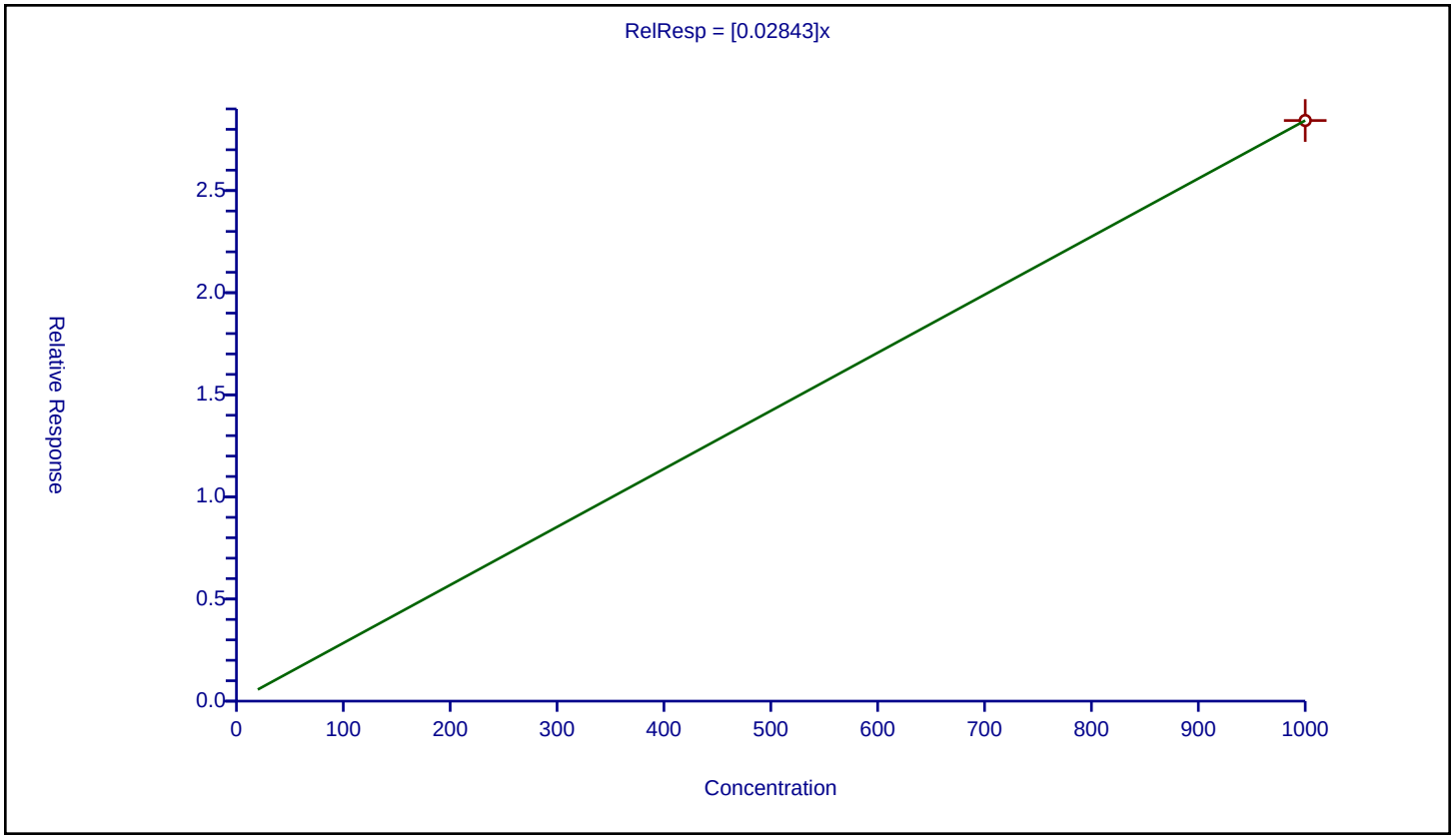
Curve Coefficients

Intercept:	0
Slope:	0.02843

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	28.431989	20.0	45364679.0	0.028432	Y



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Calibration / PCB-1242 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

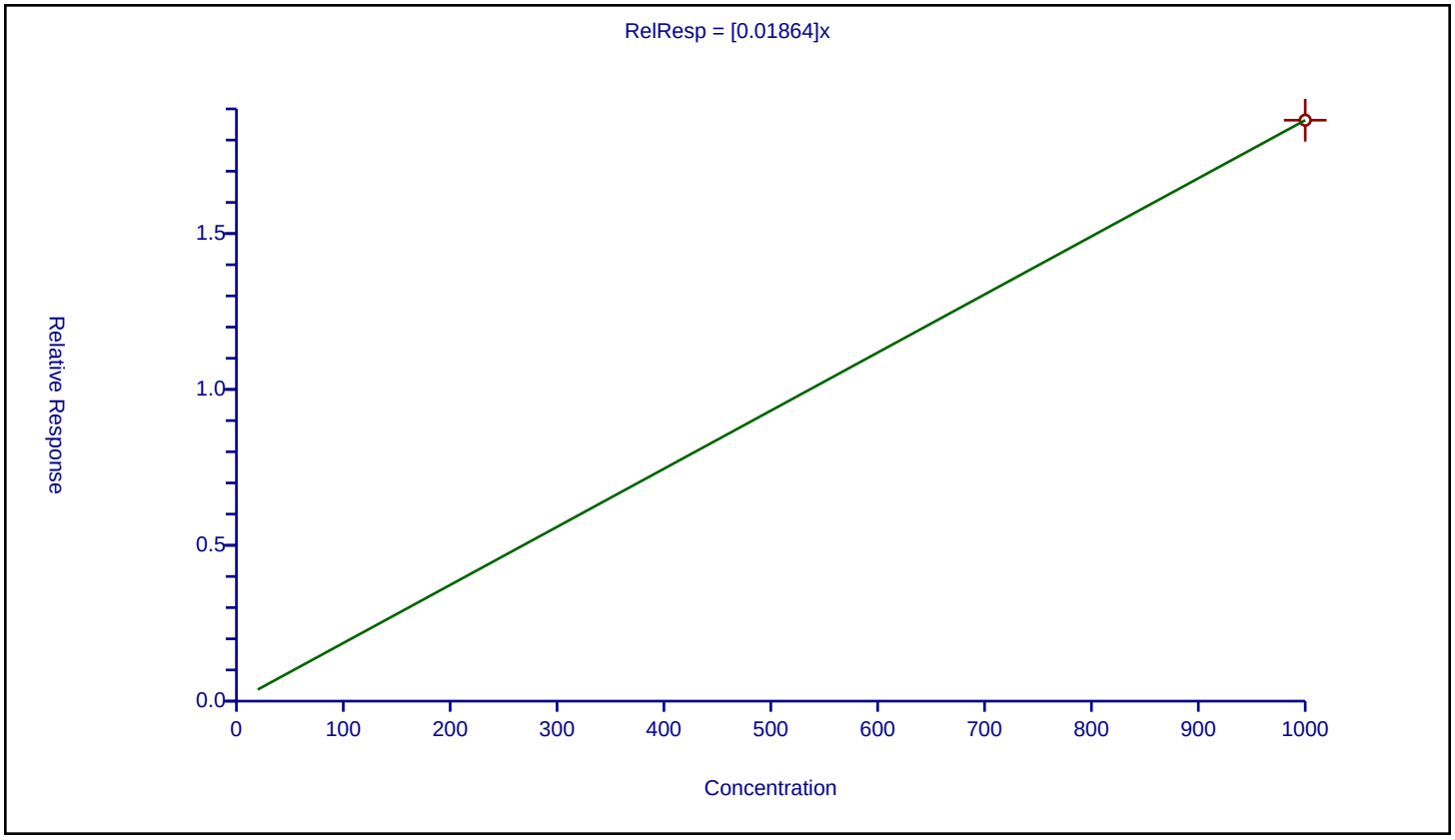
Curve Coefficients

Intercept:	0
Slope:	0.01864

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	18.637622	20.0	45364679.0	0.018638	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

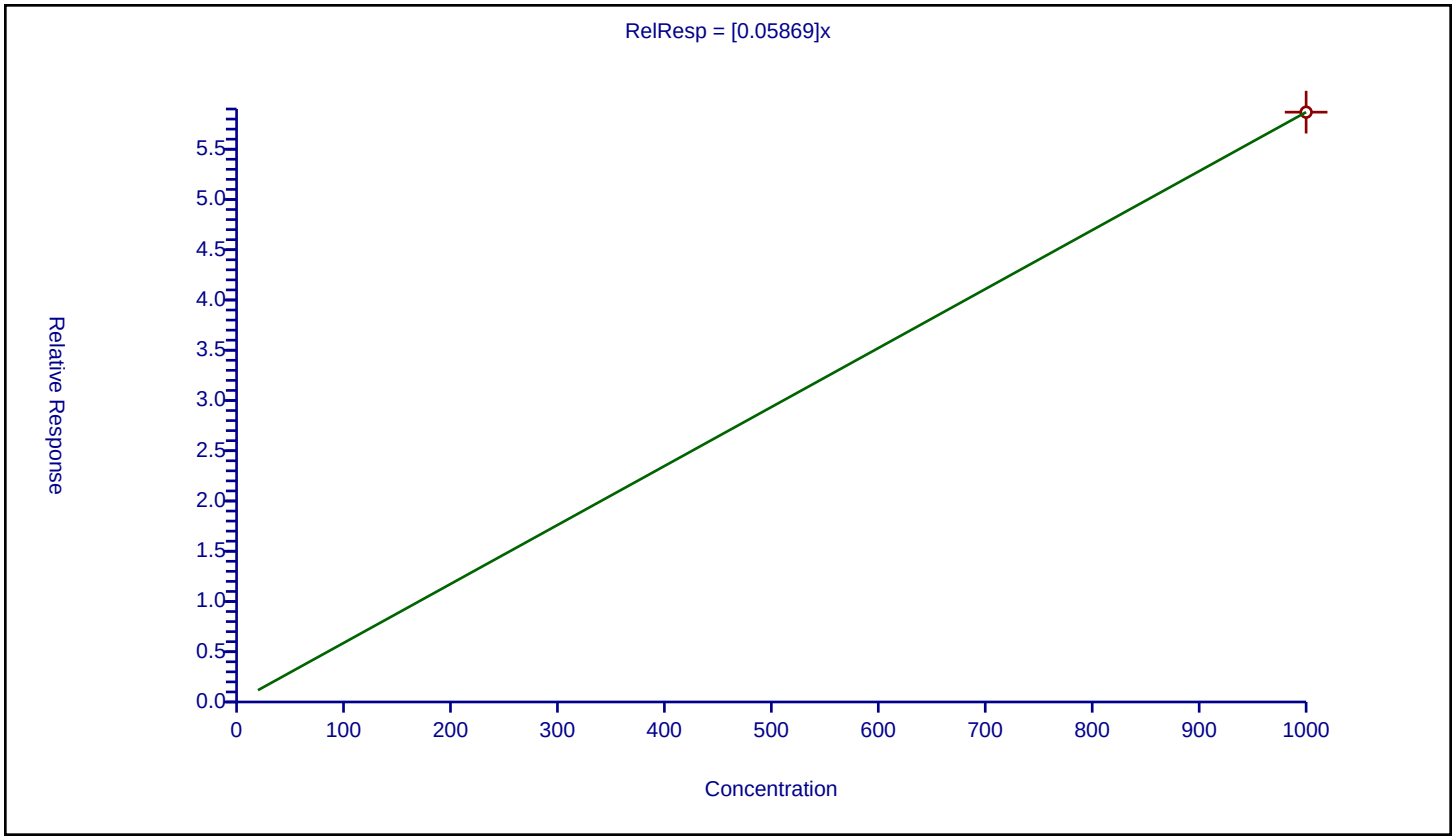
Curve Coefficients

Intercept:	0
Slope:	0.05869

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	58.686088	20.0	45364679.0	0.058686	Y



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Calibration / PCB-1242 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

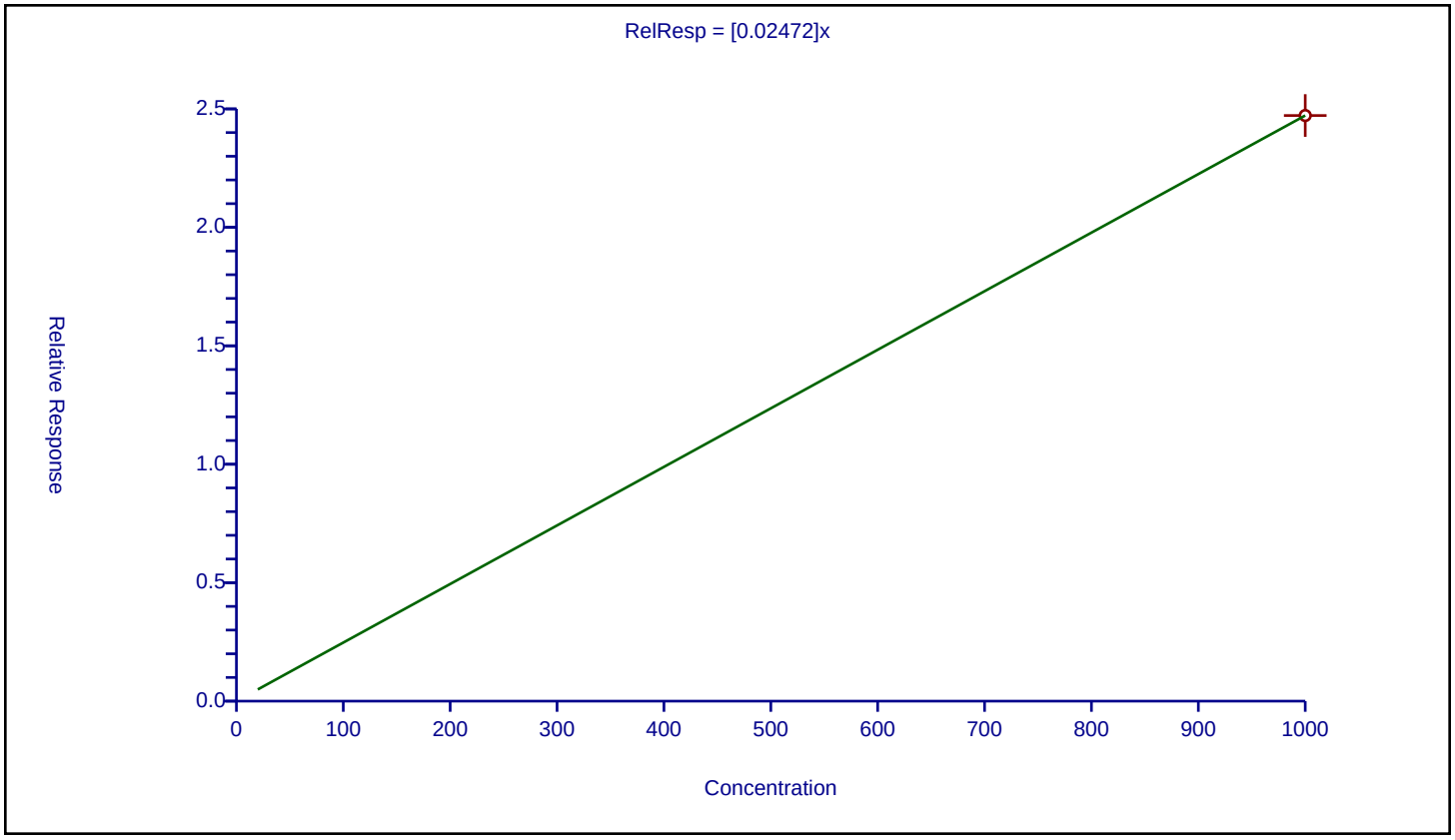
Curve Coefficients

Intercept:	0
Slope:	0.02472

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	24.720173	20.0	45364679.0	0.02472	Y



Calibration / PCB-1242 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

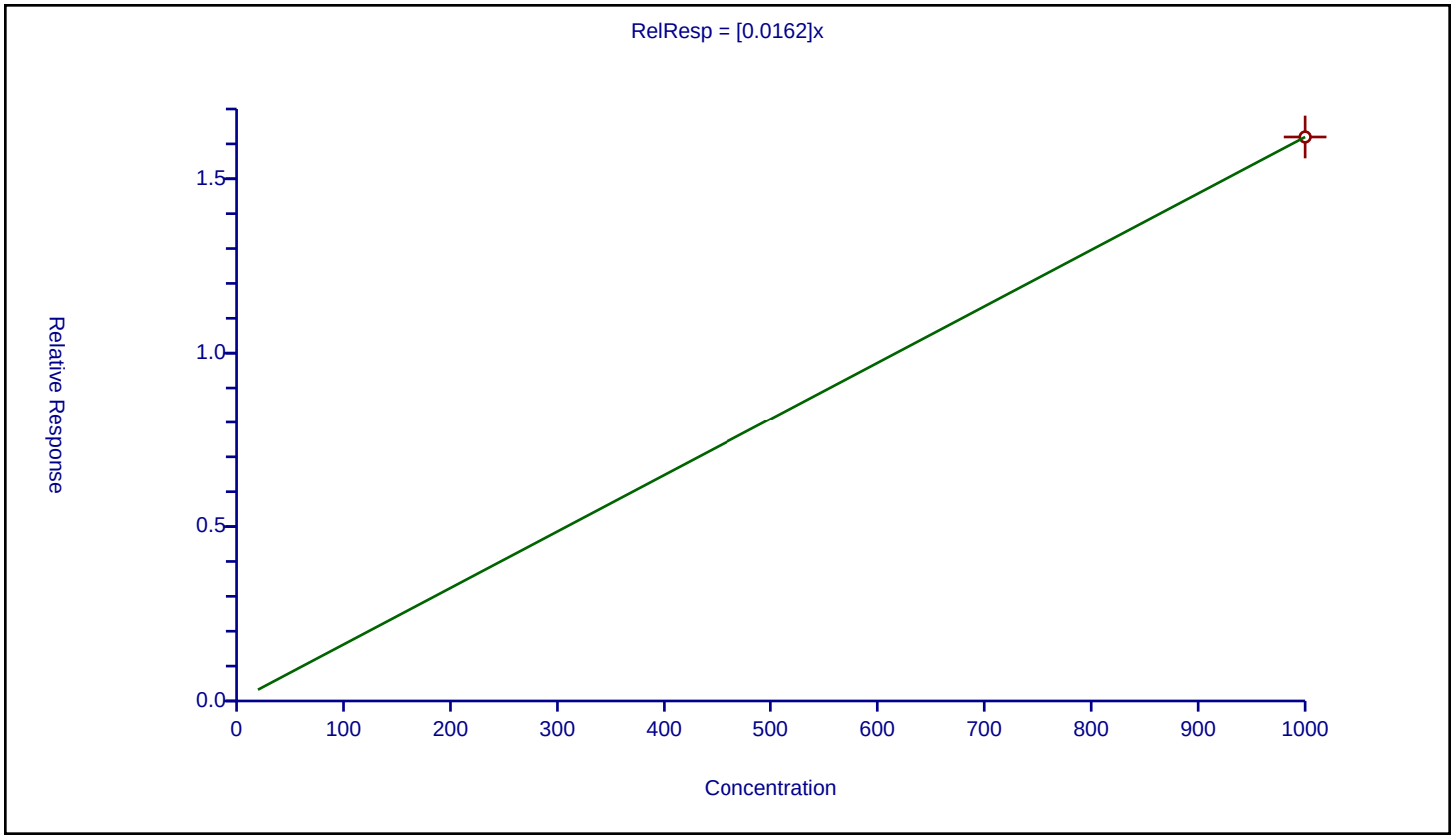
Curve Coefficients

Intercept:	0
Slope:	0.0162

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	16.198185	20.0	45364679.0	0.016198	Y



Calibration / PCB-1242 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

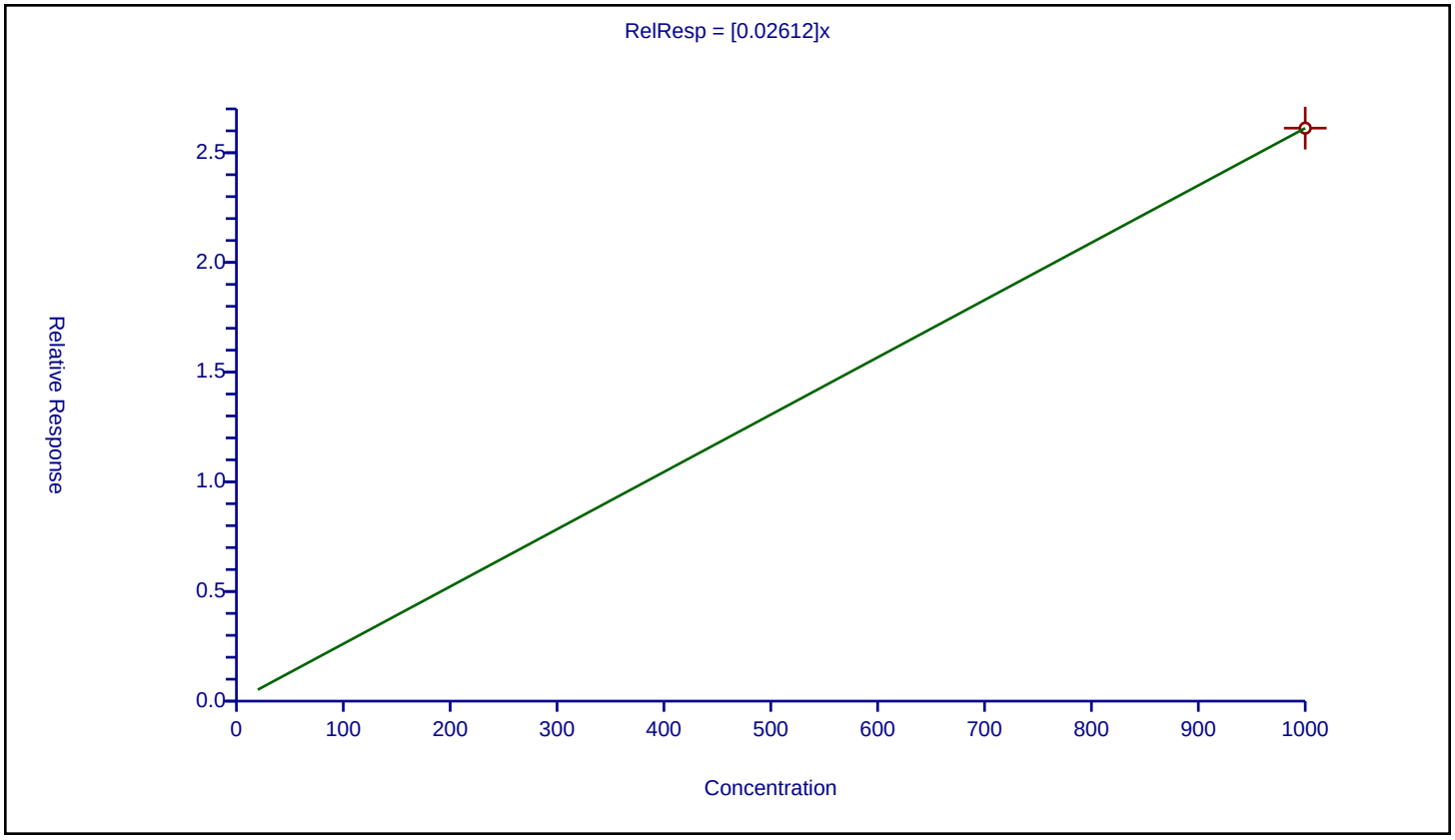
Curve Coefficients

Intercept:	0
Slope:	0.02612

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	26.123231	20.0	45364679.0	0.026123	Y



Calibration / PCB-1242 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

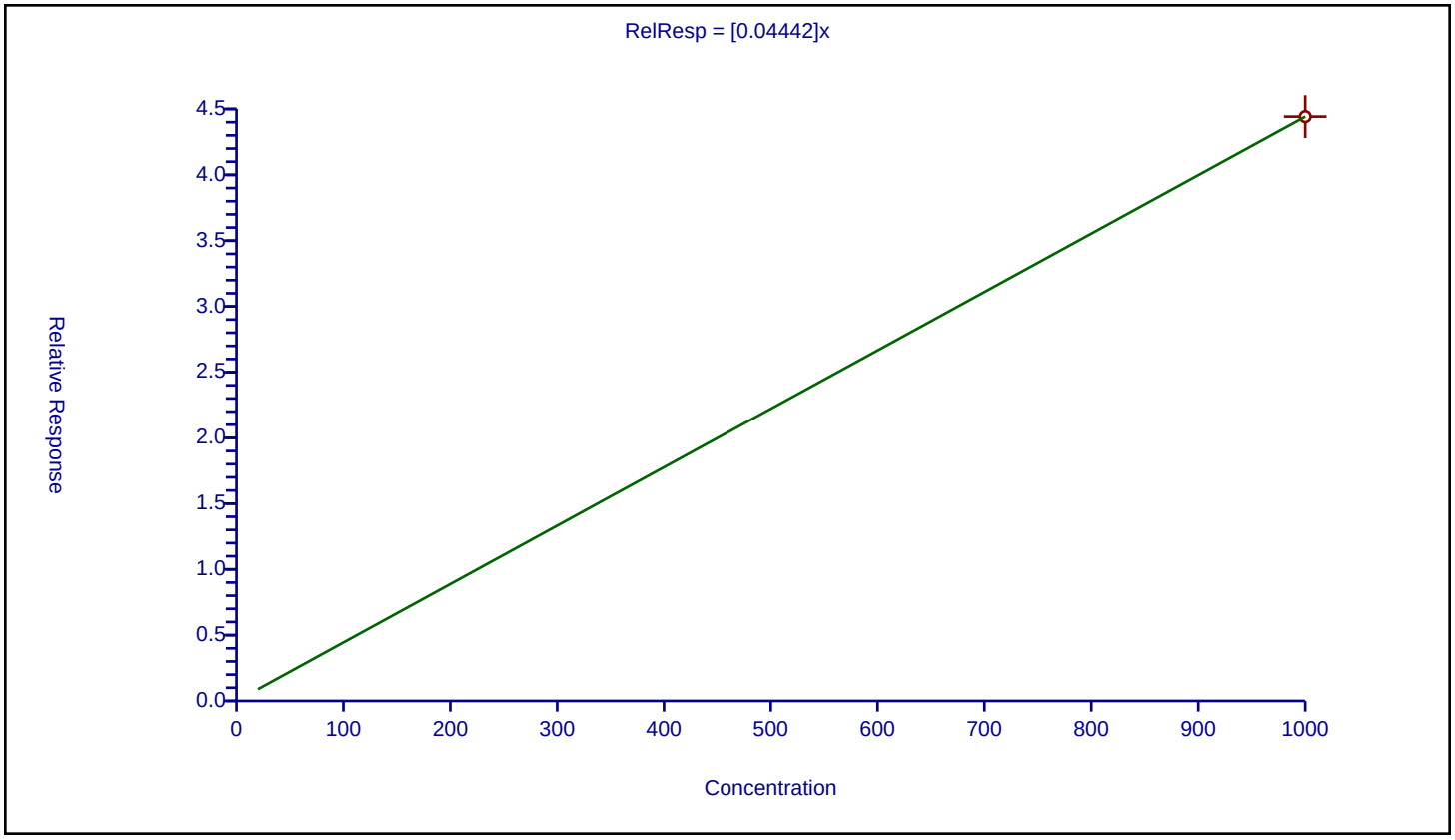
Curve Coefficients

Intercept:	0
Slope:	0.04442

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	44.420237	20.0	45364679.0	0.04442	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 Calibration End Date: 12/21/2023 13:13 Calibration ID: 95526

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0097					Ave		0.0097						20.0			
PCB-1248 Peak 2	0.0284					Ave		0.0284						20.0			
PCB-1248 Peak 3	0.0160					Ave		0.0160						20.0			
PCB-1248 Peak 4	0.0156					Ave		0.0156						20.0			
PCB-1248 Peak 5	0.0280					Ave		0.0280						20.0			
PCB-1248 Peak 6	0.0276					Ave		0.0276						20.0			
PCB-1248 Peak 7	0.0322					Ave		0.0322						20.0			
PCB-1248 Peak 8	0.0180					Ave		0.0180						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 | Calibration End Date: 12/21/2023 13:13 | Calibration ID: 95526

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	23408467					1000				
PCB-1248 Peak 2	BNB	Ave	68897701					1000				
PCB-1248 Peak 3	BNB	Ave	38785451					1000				
PCB-1248 Peak 4	BNB	Ave	37722262					1000				
PCB-1248 Peak 5	BNB	Ave	67793741					1000				
PCB-1248 Peak 6	BNB	Ave	66981490					1000				
PCB-1248 Peak 7	BNB	Ave	77992368					1000				
PCB-1248 Peak 8	BNB	Ave	43643655					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:13:20 ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:18 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	48497799	20.0	20.0	
2	1.227	1.227	0.000	44318297	20.0	20.0	M
						RPD = 0.00	
6 PCB-1248							M
1	3.400	3.400	0.000	23408467	1000.0	1000.0	M
1	3.943	3.943	0.000	68897701	1000.0	1000.0	M
1	4.368	4.368	0.000	38785451	1000.0	1000.0	M
1	4.416	4.416	0.000	37722262	1000.0	1000.0	M
1	4.838	4.838	0.000	67793741	1000.0	1000.0	M
1	5.153	5.153	0.000	66981490	1000.0	1000.0	M
1	5.205	5.205	0.000	77992368	1000.0	1000.0	M
1	6.055	6.055	0.000	43643655	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.548	2.548	0.000	30458537	1000.0	1000.0	
2	3.026	3.026	0.000	85055313	1000.0	1000.0	
2	3.403	3.403	0.000	103876365	1000.0	1000.0	M
2	3.727	3.727	0.000	62792607	1000.0	1000.0	M
2	4.114	4.114	0.000	166948568	1000.0	1000.0	M
2	4.354	4.354	0.000	79967226	1000.0	1000.0	M
2	4.807	4.807	0.000	48315324	1000.0	1000.0	M
2	5.436	5.436	0.000	33940669	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

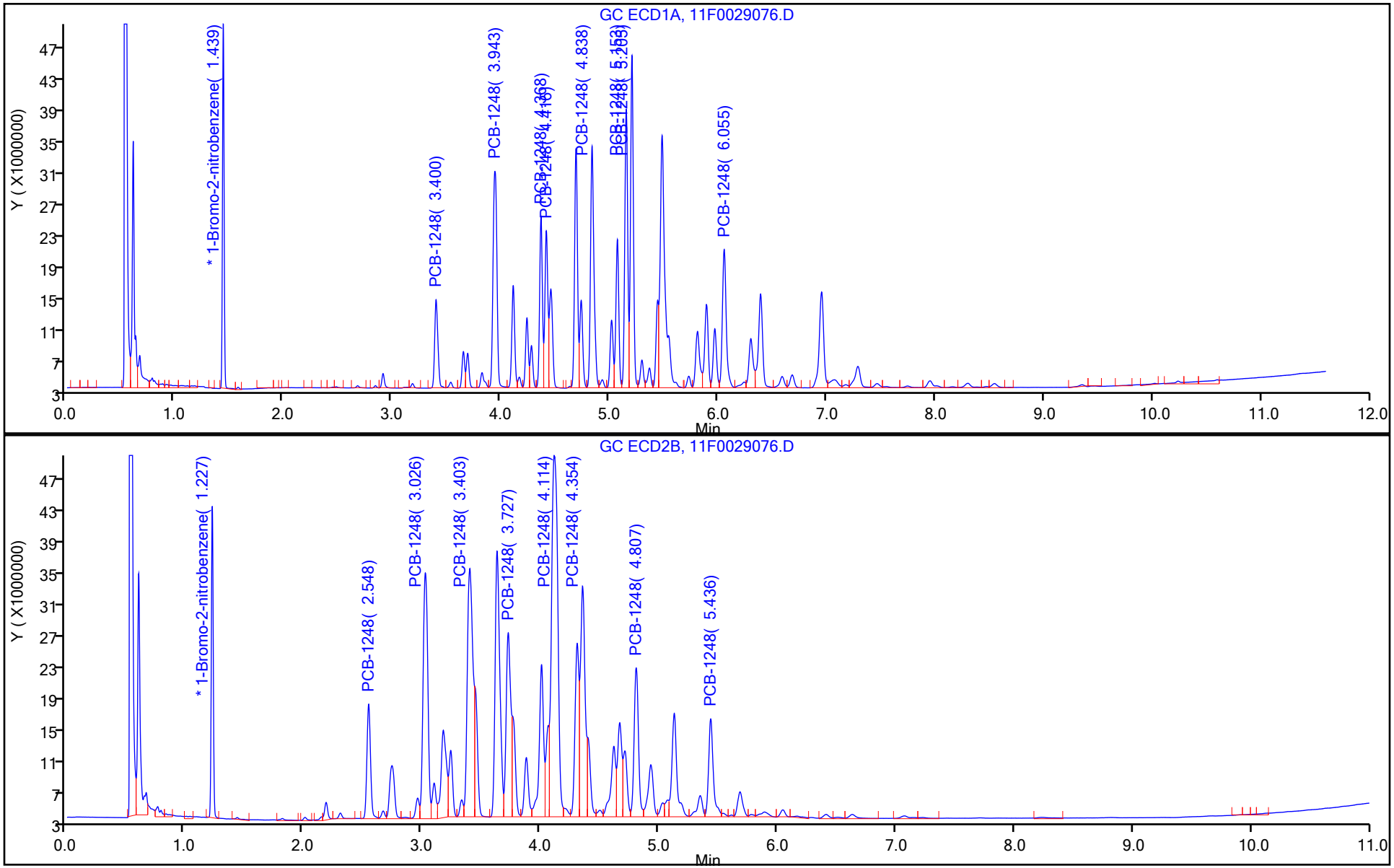
SG1248L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D

Injection Date:	21-Dec-2023 13:13:20	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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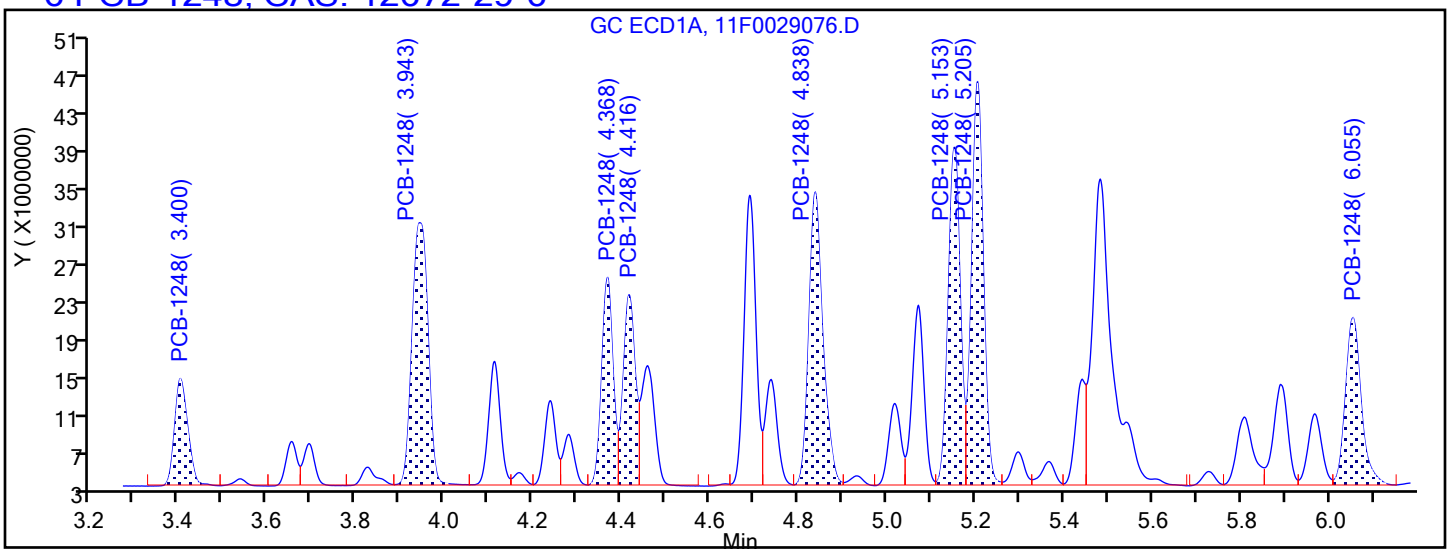
Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

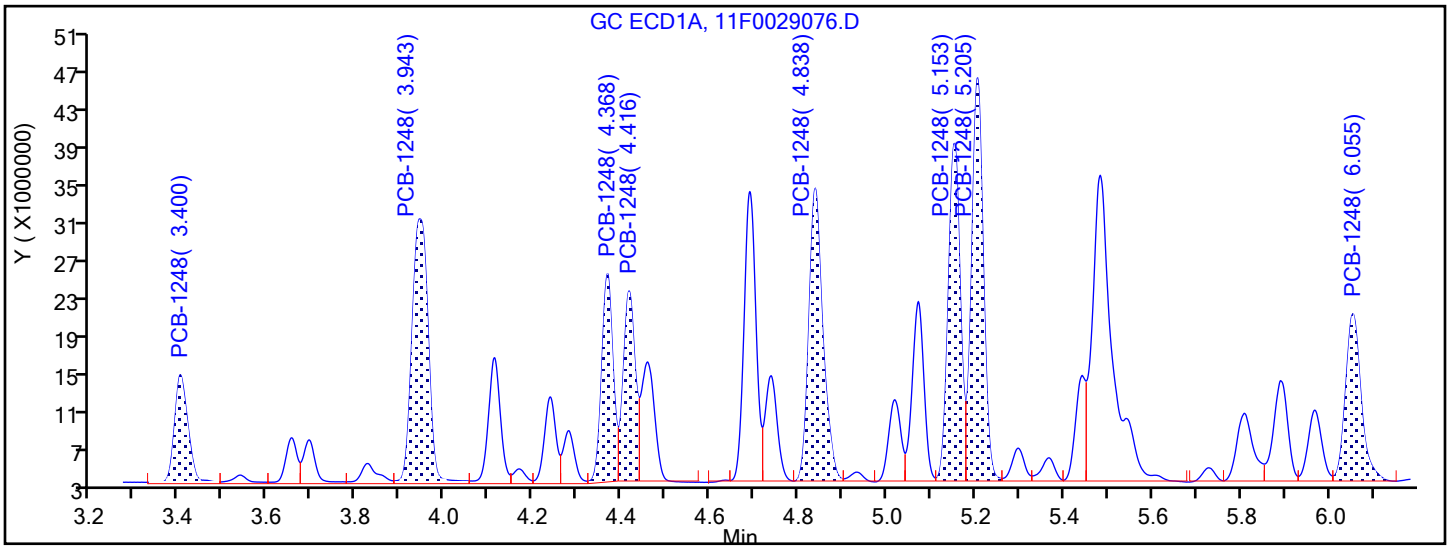
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.400	Response = 23229458
3.943	Response = 68052676
4.368	Response = 38491803
4.416	Response = 37537204
4.838	Response = 67435337
5.153	Response = 66840292
5.205	Response = 77830766
6.055	Response = 43504129



Manual Integration Results

3.400	Response = 23408467	M
3.943	Response = 68897701	M
4.368	Response = 38785451	M
4.416	Response = 37722262	M
4.838	Response = 67793741	M
5.153	Response = 66981490	M

Calibration / PCB-1248 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

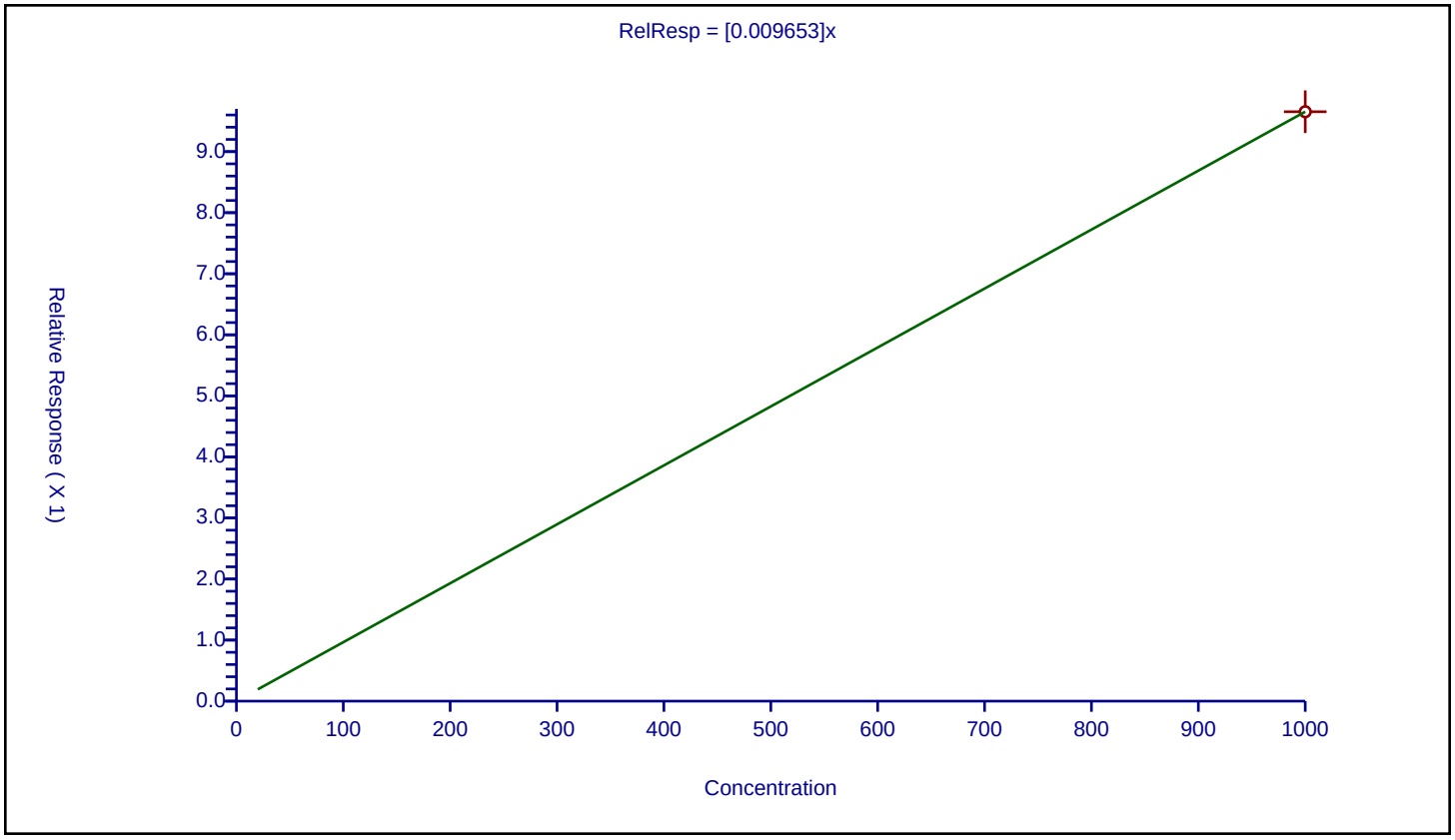
Curve Coefficients

Intercept:	0
Slope:	0.009653

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	9.653414	20.0	48497799.0	0.009653	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

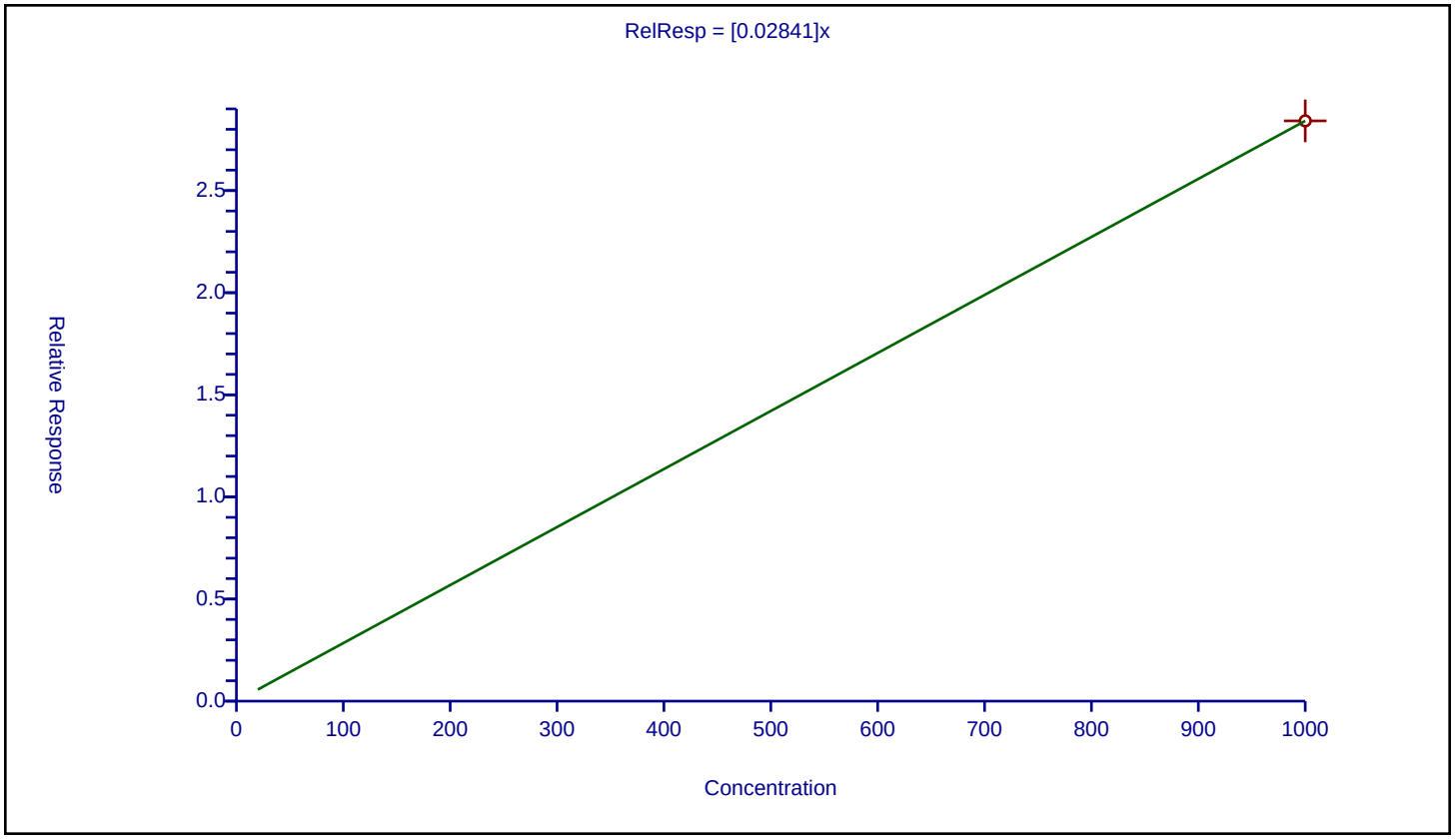
Curve Coefficients

Intercept:	0
Slope:	0.02841

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	28.412713	20.0	48497799.0	0.028413	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

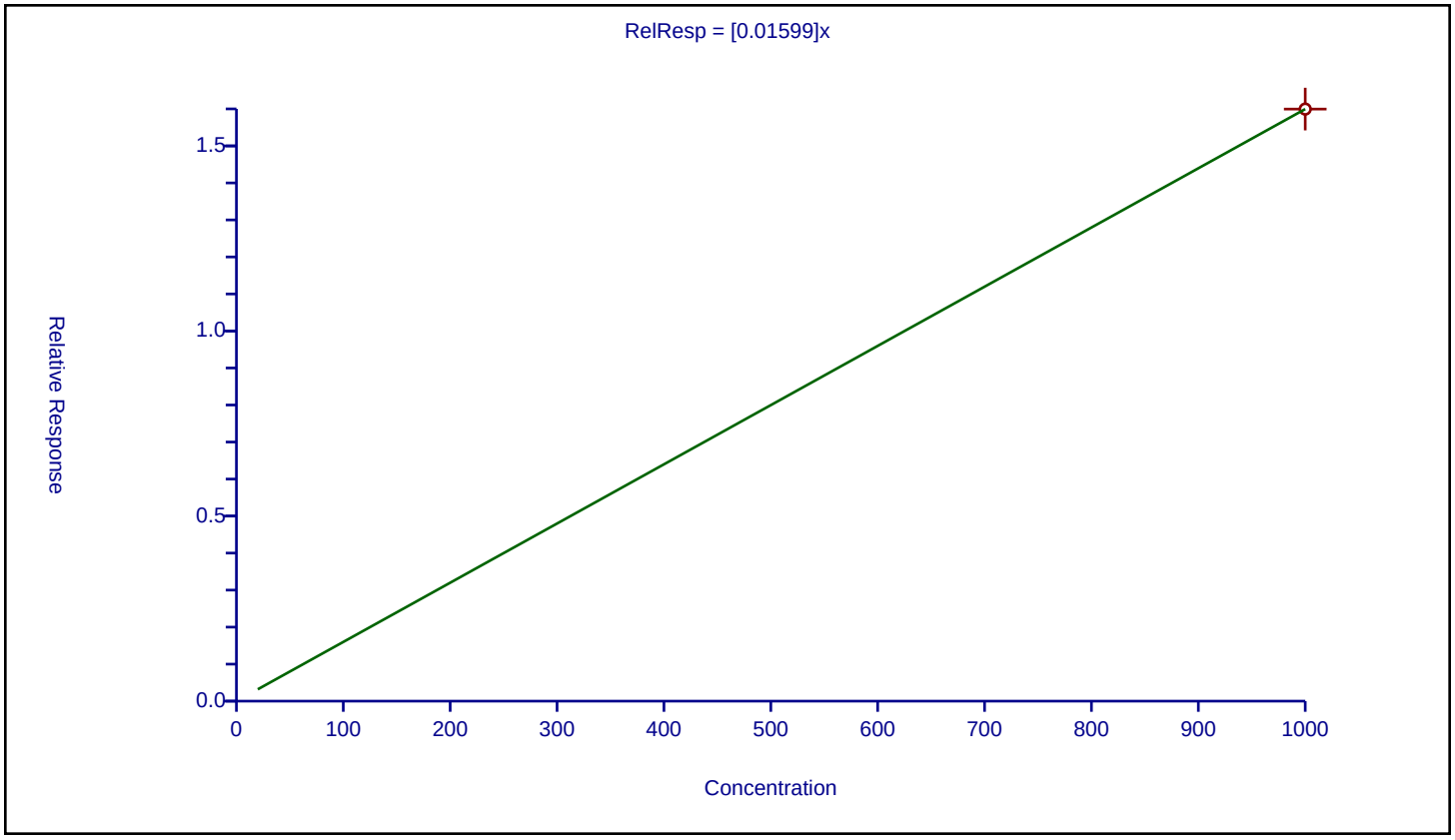
Curve Coefficients

Intercept:	0
Slope:	0.01599

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.994726	20.0	48497799.0	0.015995	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

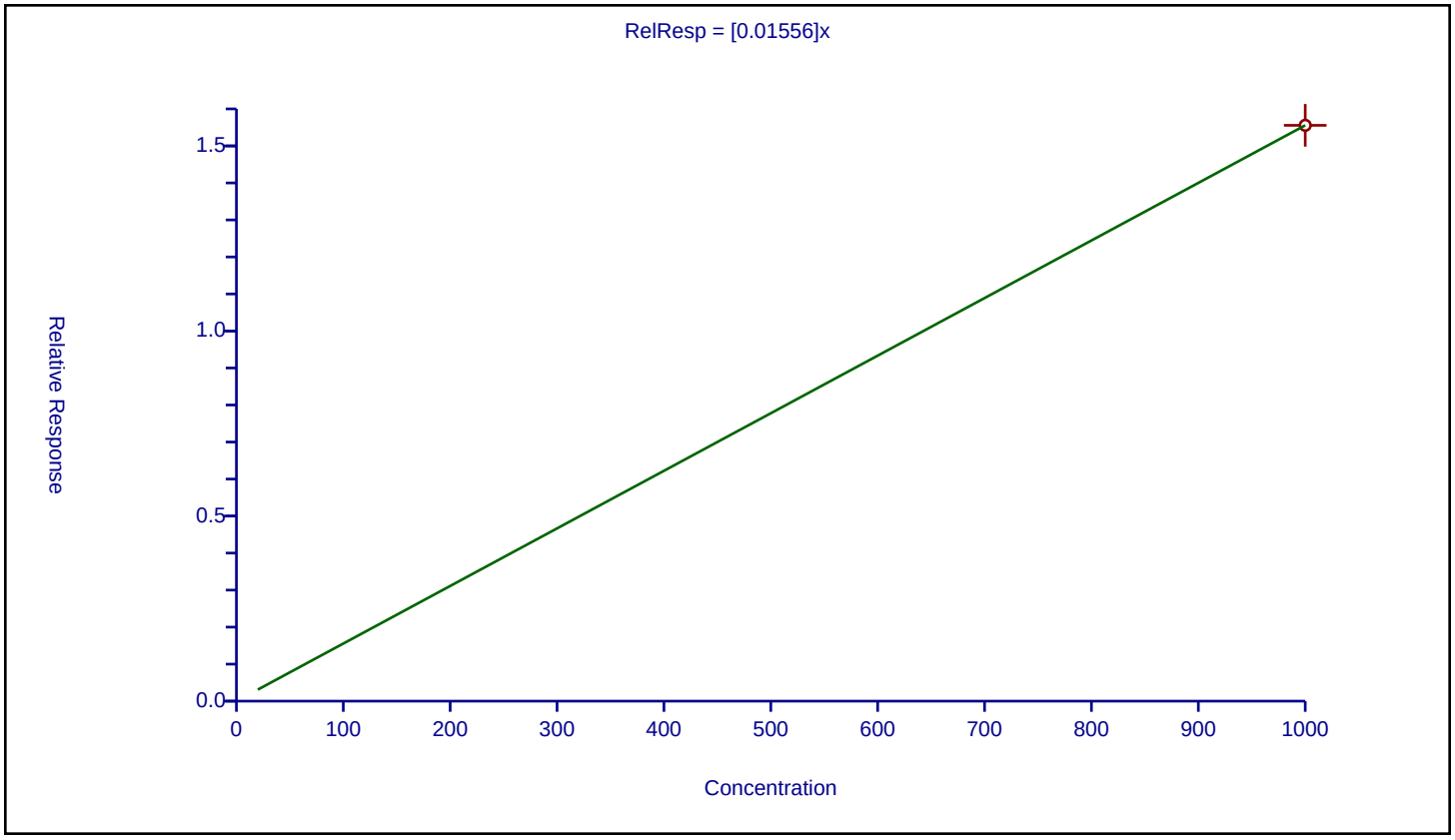
Curve Coefficients

Intercept:	0
Slope:	0.01556

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.556278	20.0	48497799.0	0.015556	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

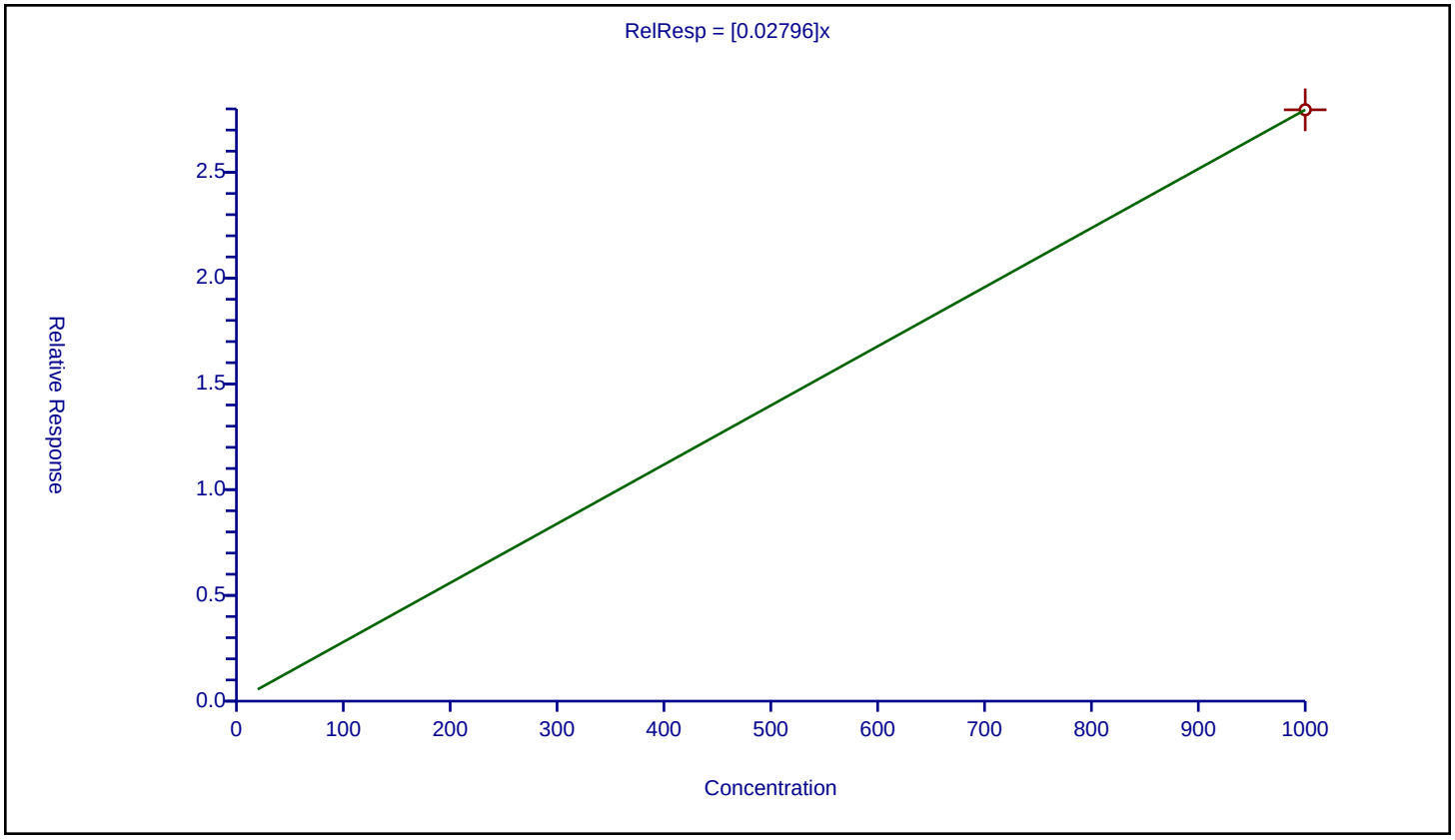
Curve Coefficients

Intercept:	0
Slope:	0.02796

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	27.957451	20.0	48497799.0	0.027957	Y



Calibration / PCB-1248 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

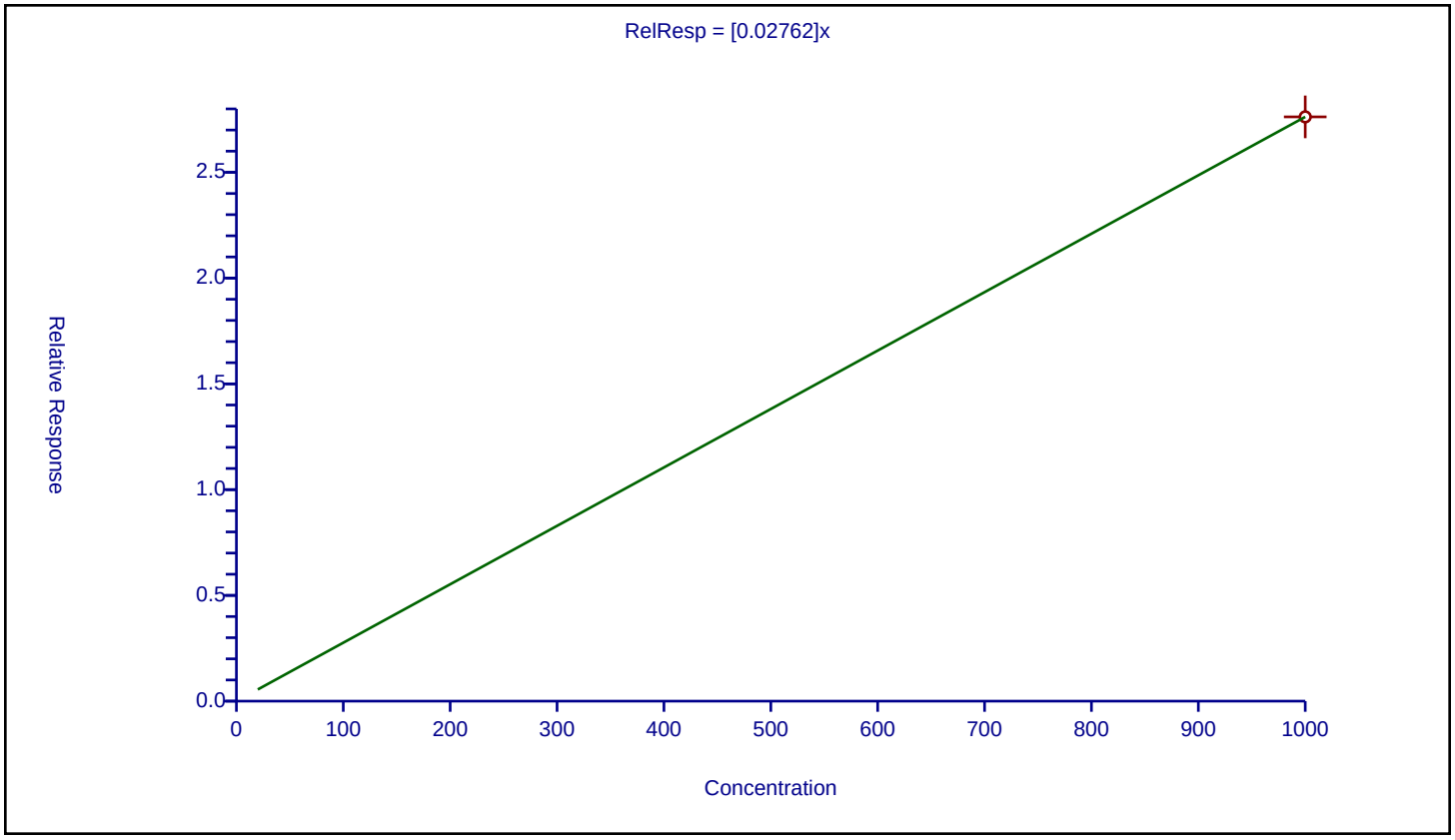
Curve Coefficients

Intercept:	0
Slope:	0.02762

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	27.622487	20.0	48497799.0	0.027622	Y



Calibration / PCB-1248 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

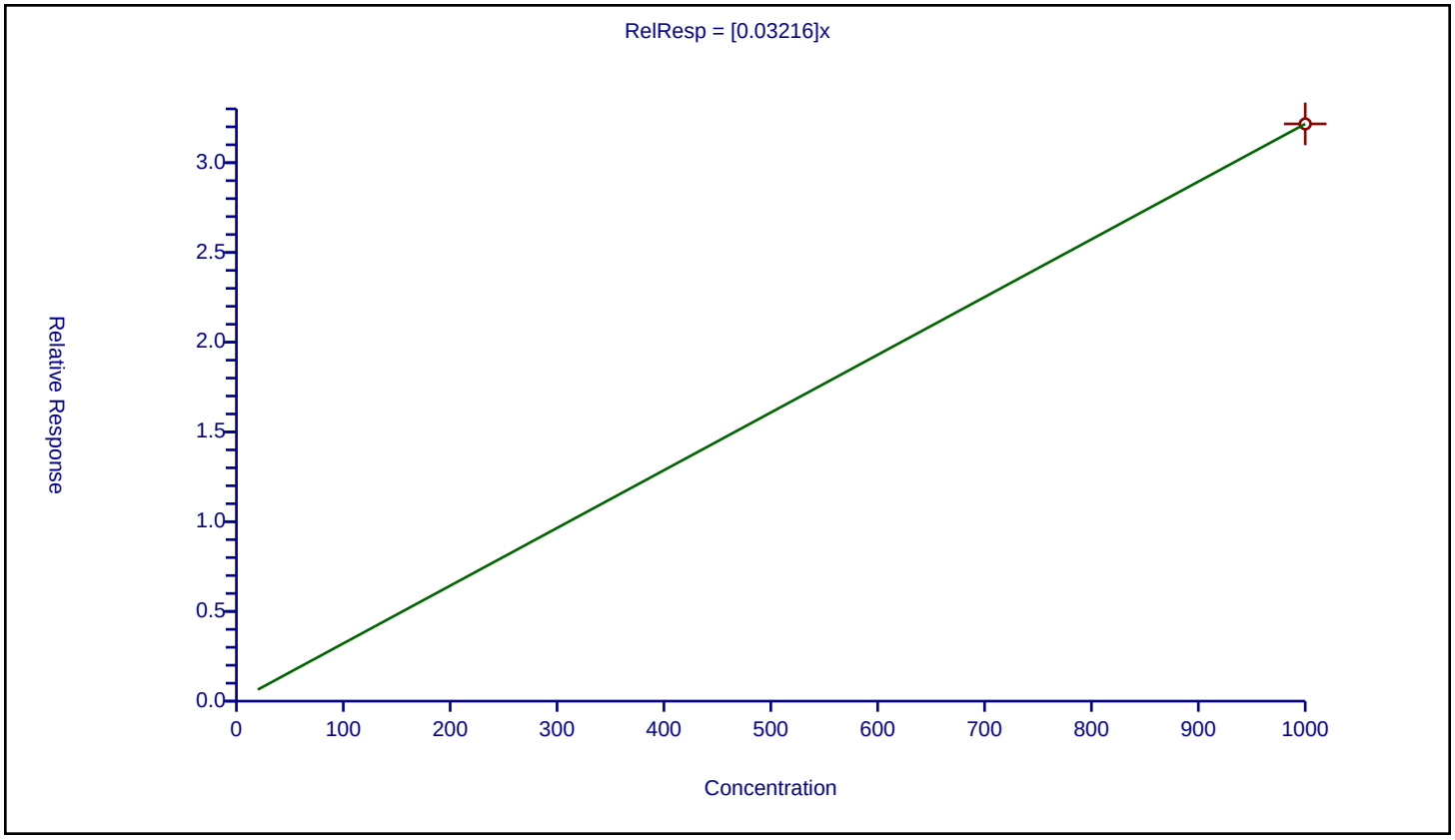
Curve Coefficients

Intercept:	0
Slope:	0.03216

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	32.163261	20.0	48497799.0	0.032163	Y



Calibration / PCB-1248 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

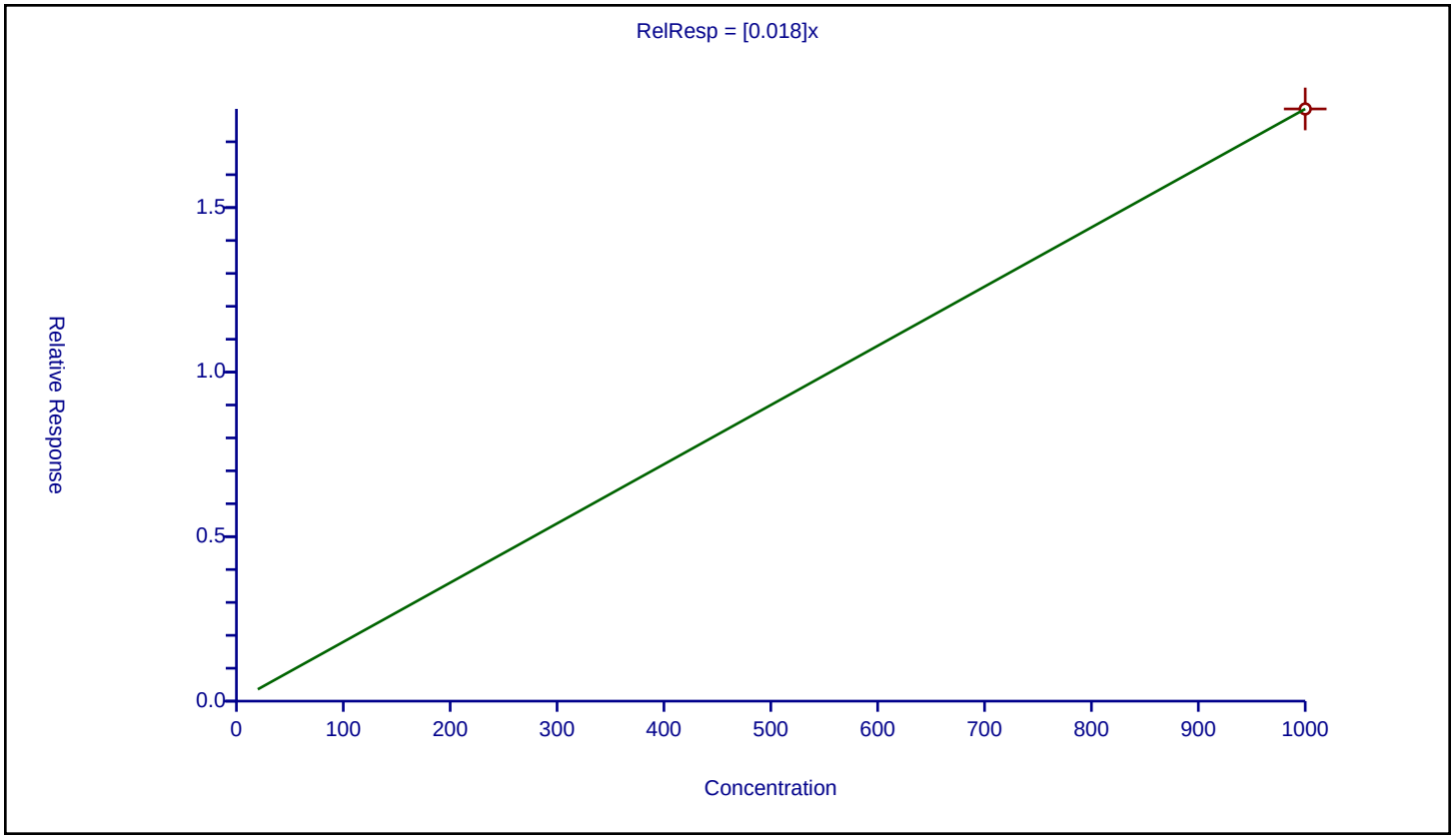
Curve Coefficients

Intercept:	0
Slope:	0.018

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	17.9982	20.0	48497799.0	0.017998	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 Calibration End Date: 12/21/2023 13:13 Calibration ID: 95527

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0137					Ave		0.0137						20.0			
PCB-1248 Peak 2	0.0384					Ave		0.0384						20.0			
PCB-1248 Peak 3	0.0469					Ave		0.0469						20.0			
PCB-1248 Peak 4	0.0283					Ave		0.0283						20.0			
PCB-1248 Peak 5	0.0753					Ave		0.0753						20.0			
PCB-1248 Peak 6	0.0361					Ave		0.0361						20.0			
PCB-1248 Peak 7	0.0218					Ave		0.0218						20.0			
PCB-1248 Peak 8	0.0153					Ave		0.0153						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 | Calibration End Date: 12/21/2023 13:13 | Calibration ID: 95527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	30458537					1000				
PCB-1248 Peak 2	BNB	Ave	85055313					1000				
PCB-1248 Peak 3	BNB	Ave	103876365					1000				
PCB-1248 Peak 4	BNB	Ave	62792607					1000				
PCB-1248 Peak 5	BNB	Ave	166948568					1000				
PCB-1248 Peak 6	BNB	Ave	79967226					1000				
PCB-1248 Peak 7	BNB	Ave	48315324					1000				
PCB-1248 Peak 8	BNB	Ave	33940669					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:13:20 ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:18 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	48497799	20.0	20.0	
2	1.227	1.227	0.000	44318297	20.0	20.0	M
						RPD = 0.00	
6 PCB-1248							M
1	3.400	3.400	0.000	23408467	1000.0	1000.0	M
1	3.943	3.943	0.000	68897701	1000.0	1000.0	M
1	4.368	4.368	0.000	38785451	1000.0	1000.0	M
1	4.416	4.416	0.000	37722262	1000.0	1000.0	M
1	4.838	4.838	0.000	67793741	1000.0	1000.0	M
1	5.153	5.153	0.000	66981490	1000.0	1000.0	M
1	5.205	5.205	0.000	77992368	1000.0	1000.0	M
1	6.055	6.055	0.000	43643655	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.548	2.548	0.000	30458537	1000.0	1000.0	
2	3.026	3.026	0.000	85055313	1000.0	1000.0	
2	3.403	3.403	0.000	103876365	1000.0	1000.0	M
2	3.727	3.727	0.000	62792607	1000.0	1000.0	M
2	4.114	4.114	0.000	166948568	1000.0	1000.0	M
2	4.354	4.354	0.000	79967226	1000.0	1000.0	M
2	4.807	4.807	0.000	48315324	1000.0	1000.0	M
2	5.436	5.436	0.000	33940669	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

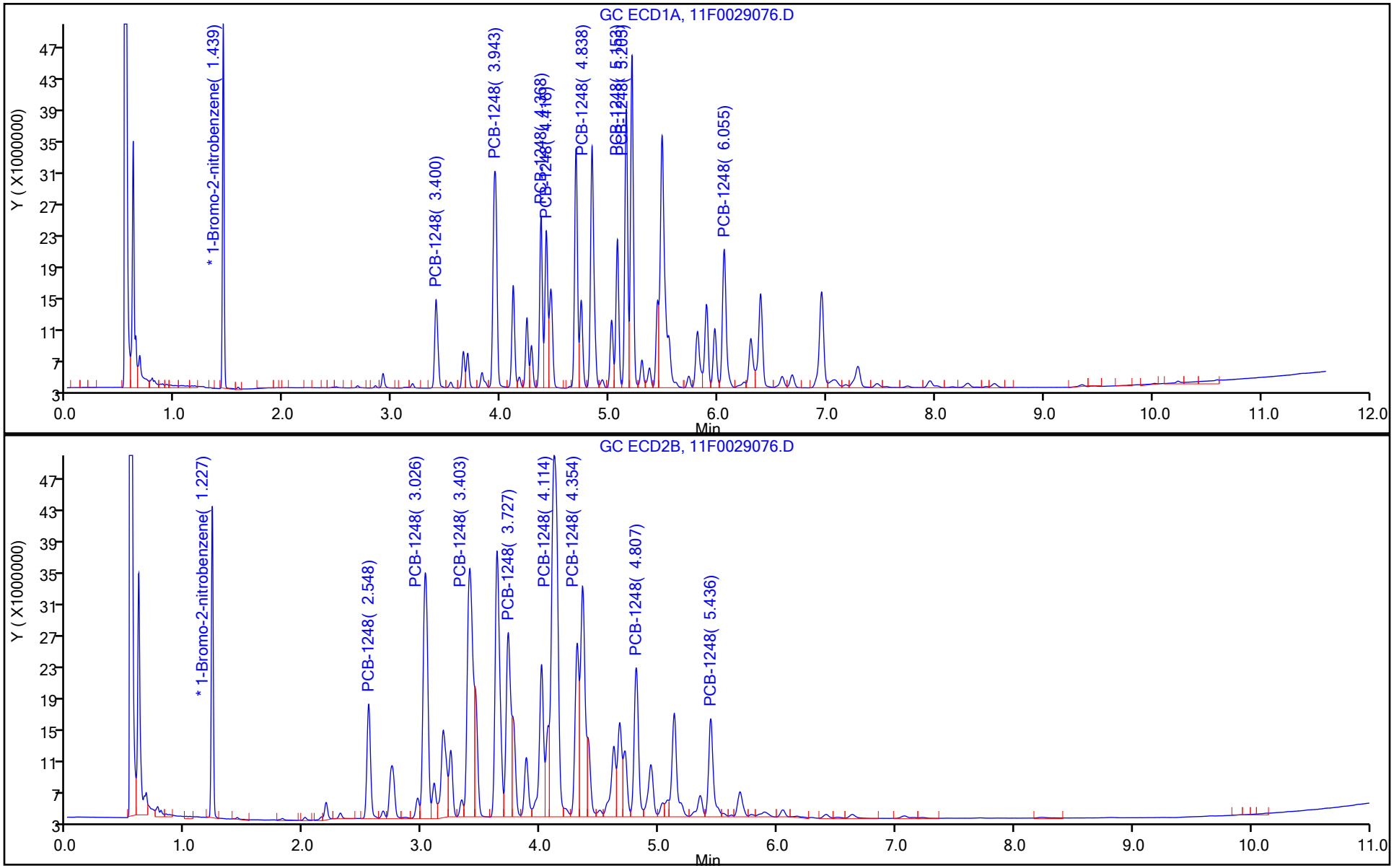
SG1248L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D

Injection Date:	21-Dec-2023 13:13:20	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

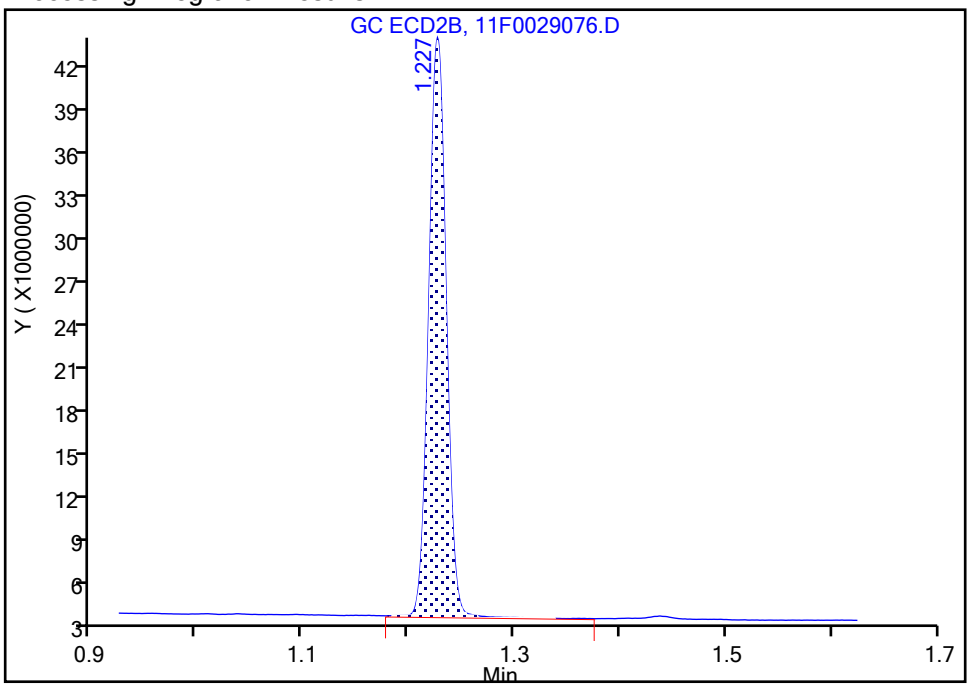
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

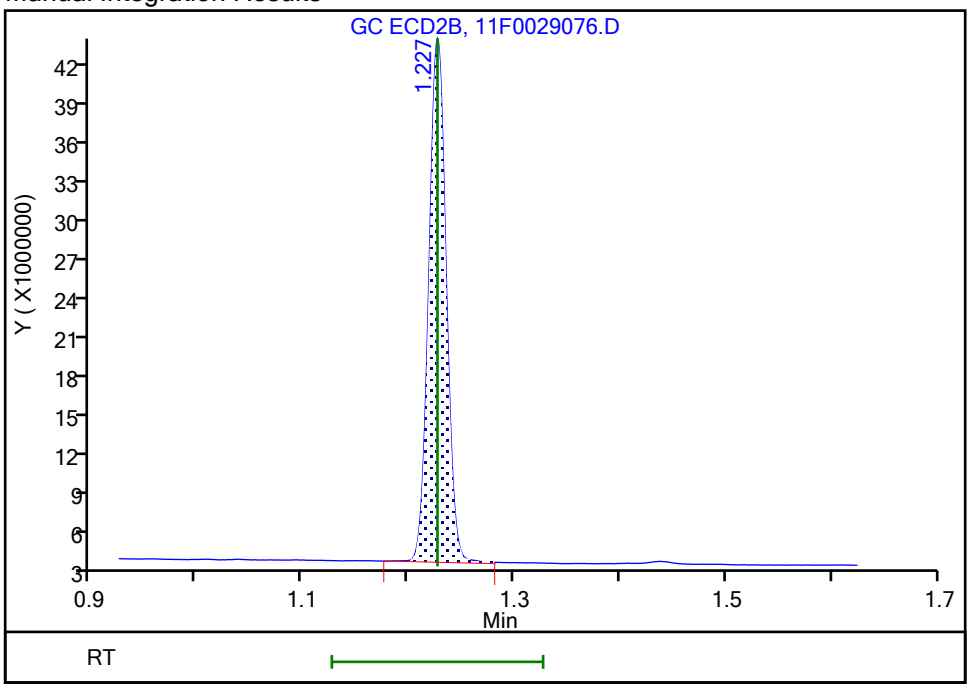
Processing Integration Results

RT: 1.23
Area: 44868681
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44318297
Amount: 20.000000
Amount Units: ug/l



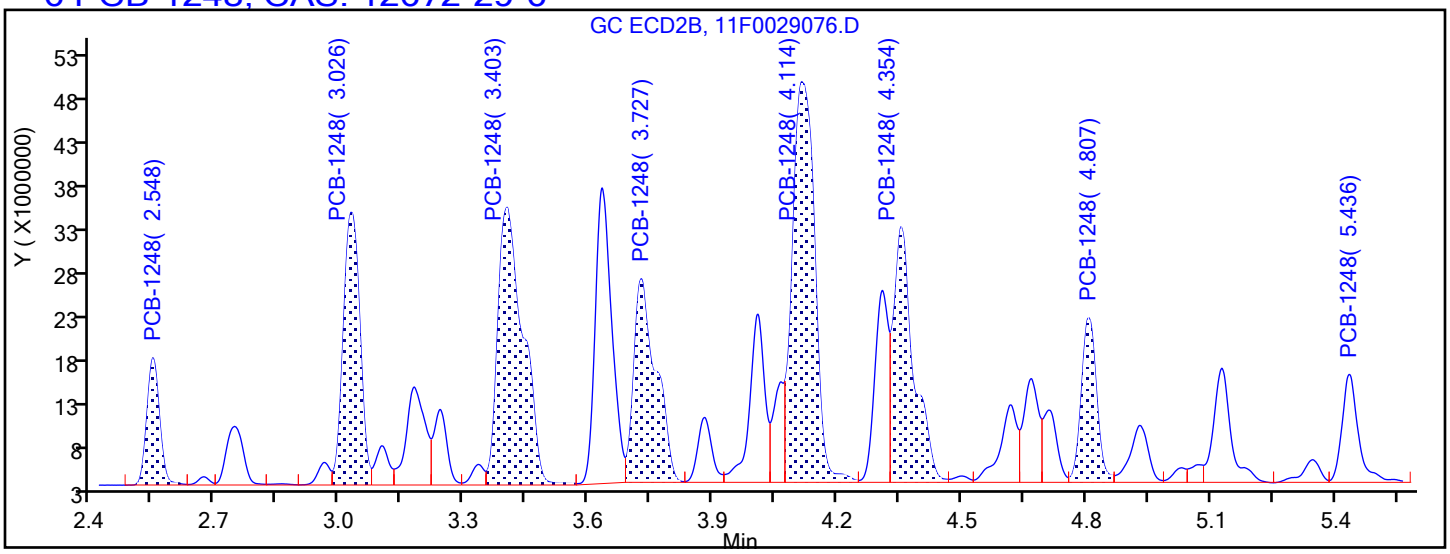
Reviewer: OR9X, 21-Dec-2023 14:17:44 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

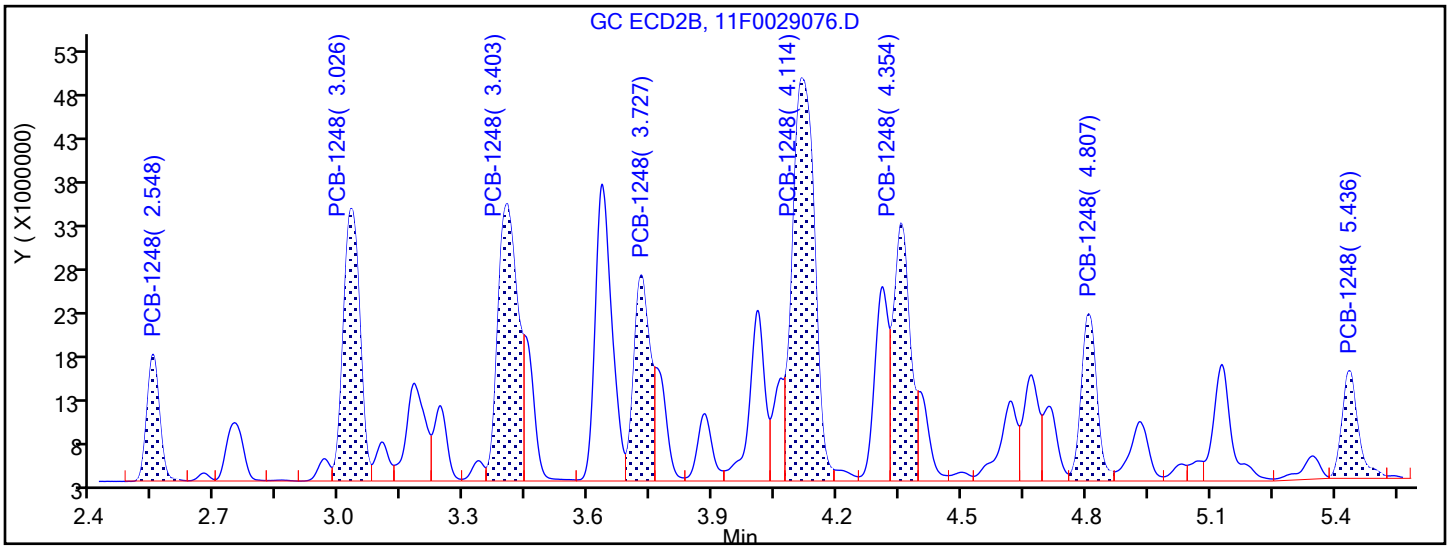
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.548	Response = 30458537
3.026	Response = 85055313
3.403	Response = 129977811
3.727	Response = 84941134
4.114	Response = 167463740
4.354	Response = 95593531
4.807	Response = 46981883
5.436	Response = 34622529



Manual Integration Results

2.548	Response = 30458537	
3.026	Response = 85055313	
3.403	Response = 103876365	M
3.727	Response = 62792607	M
4.114	Response = 166948568	M
4.354	Response = 79967226	M

Calibration / PCB-1248 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

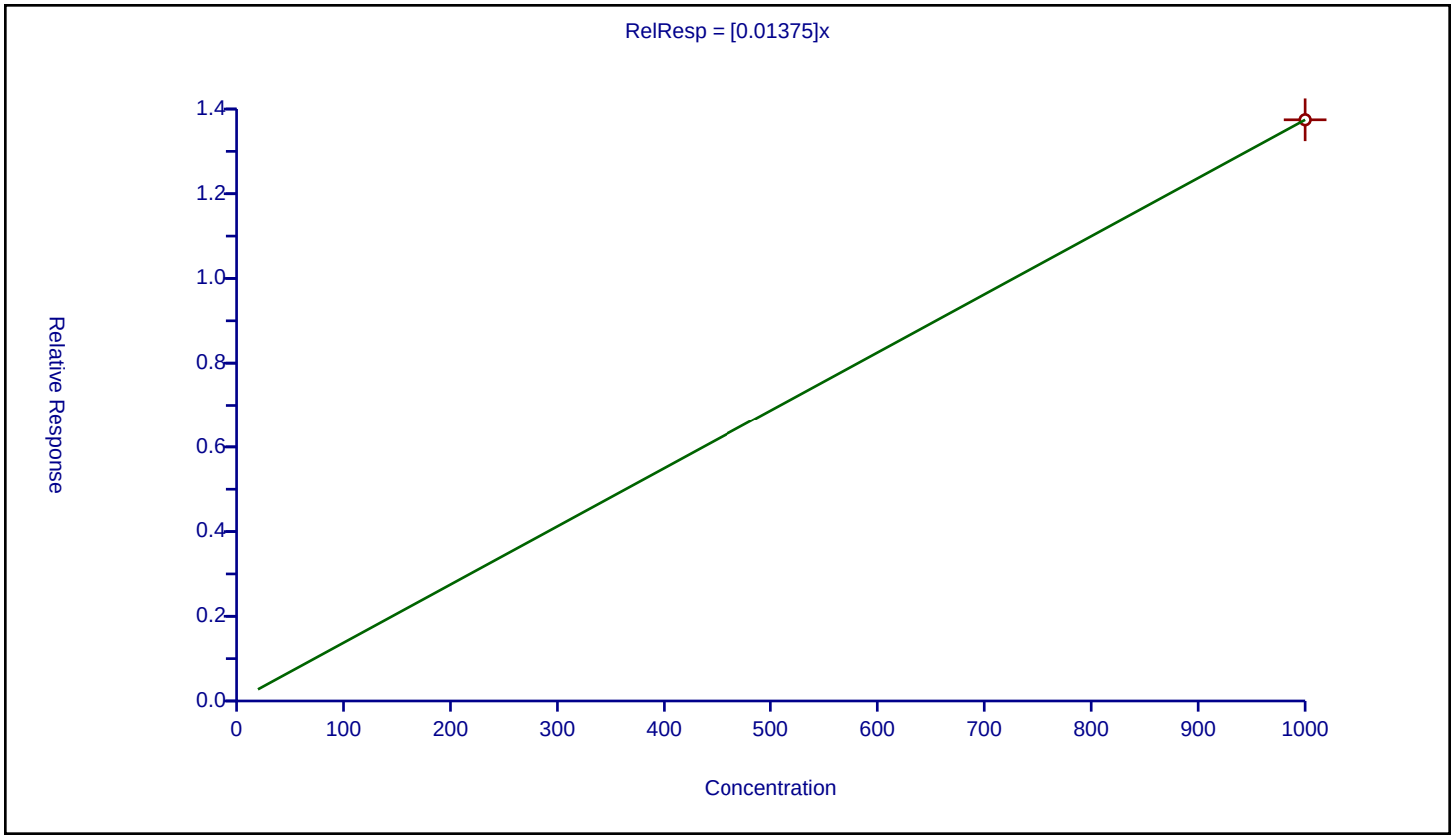
Curve Coefficients

Intercept:	0
Slope:	0.01375

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	13.745355	20.0	44318297.0	0.013745	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

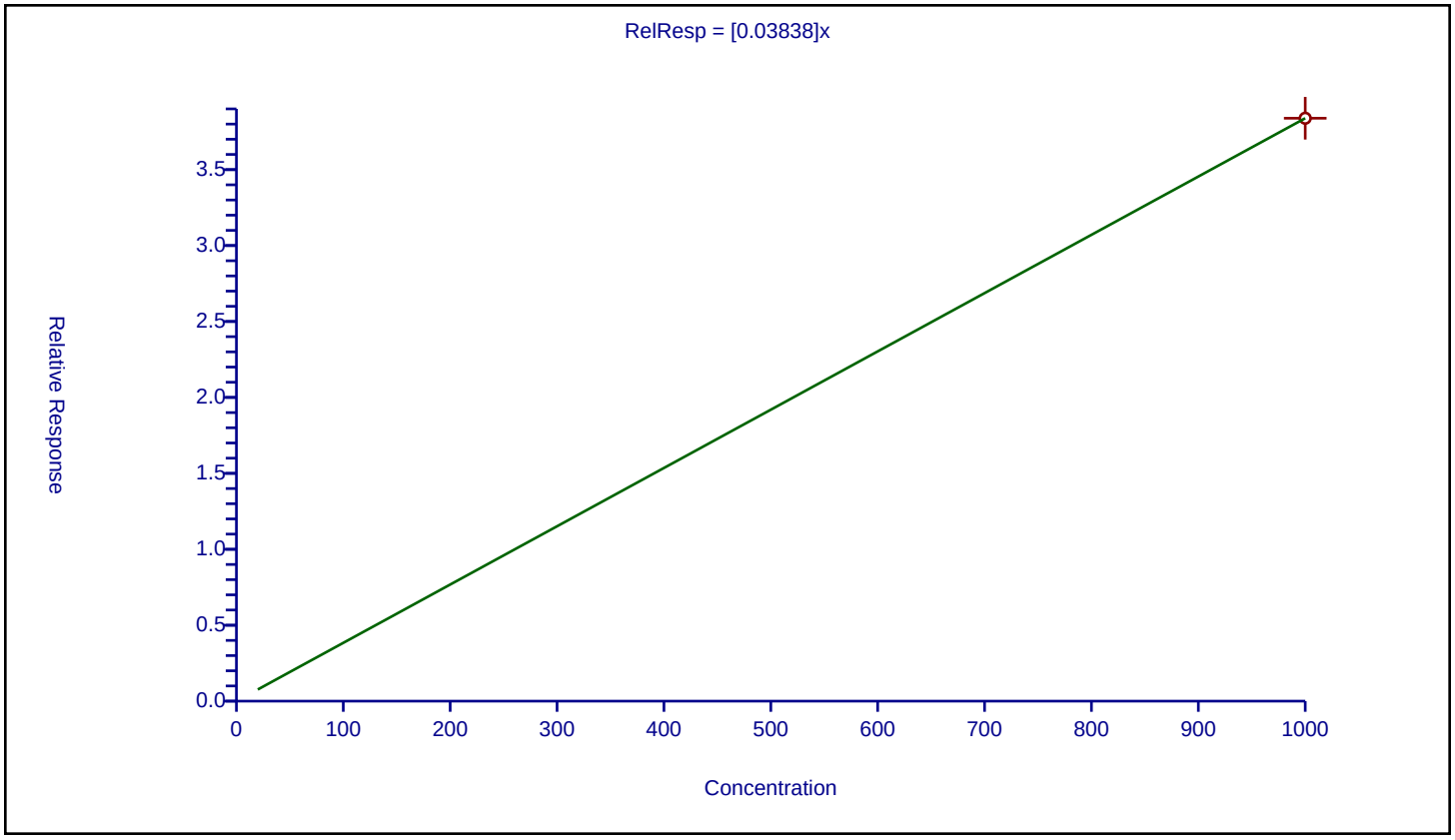
Curve Coefficients

Intercept:	0
Slope:	0.03838

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	38.383836	20.0	44318297.0	0.038384	Y



3/27/2024
12:01:22 PM

Calibration / PCB-1248 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

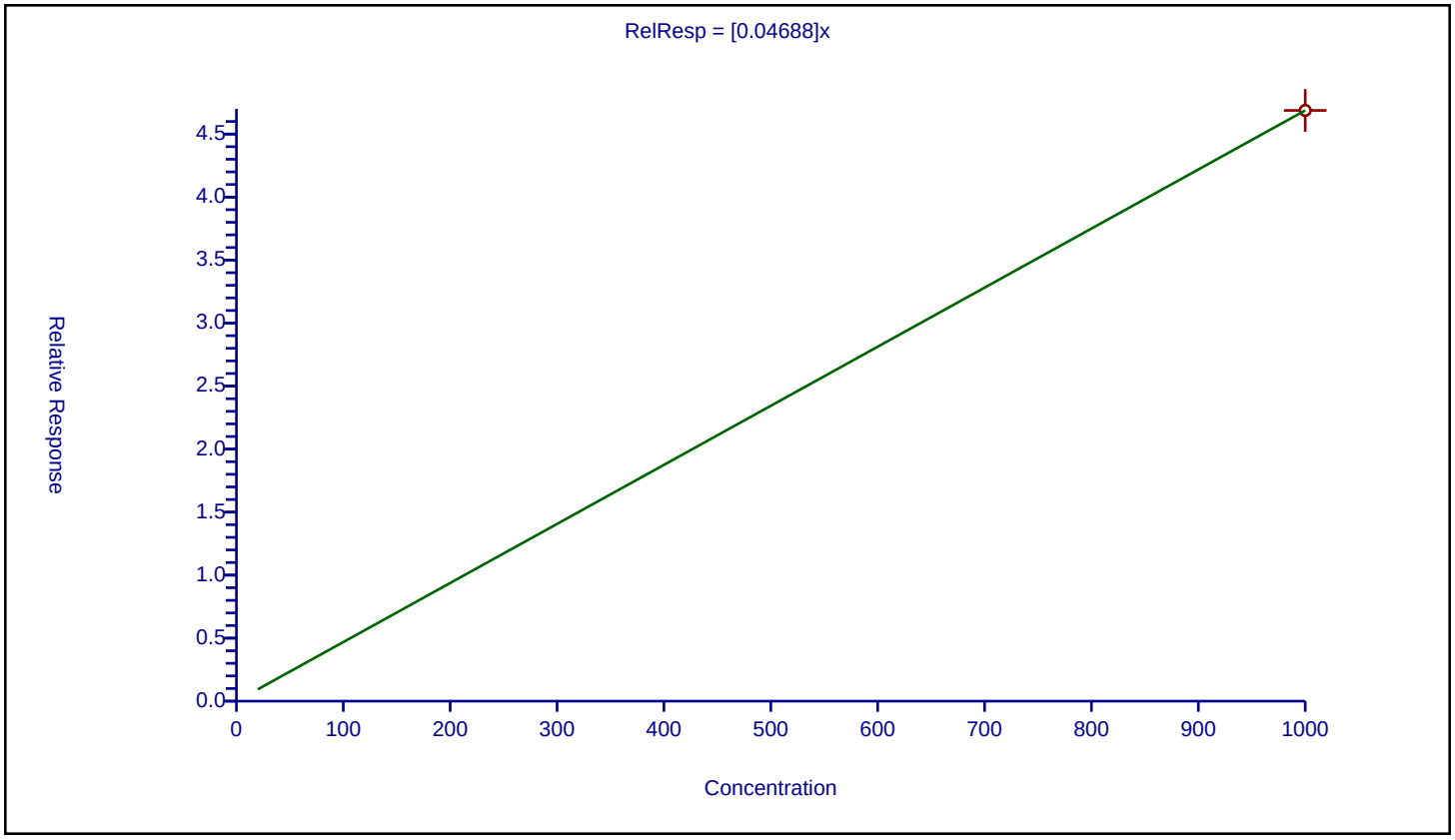
Curve Coefficients

Intercept:	0
Slope:	0.04688

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	46.877417	20.0	44318297.0	0.046877	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

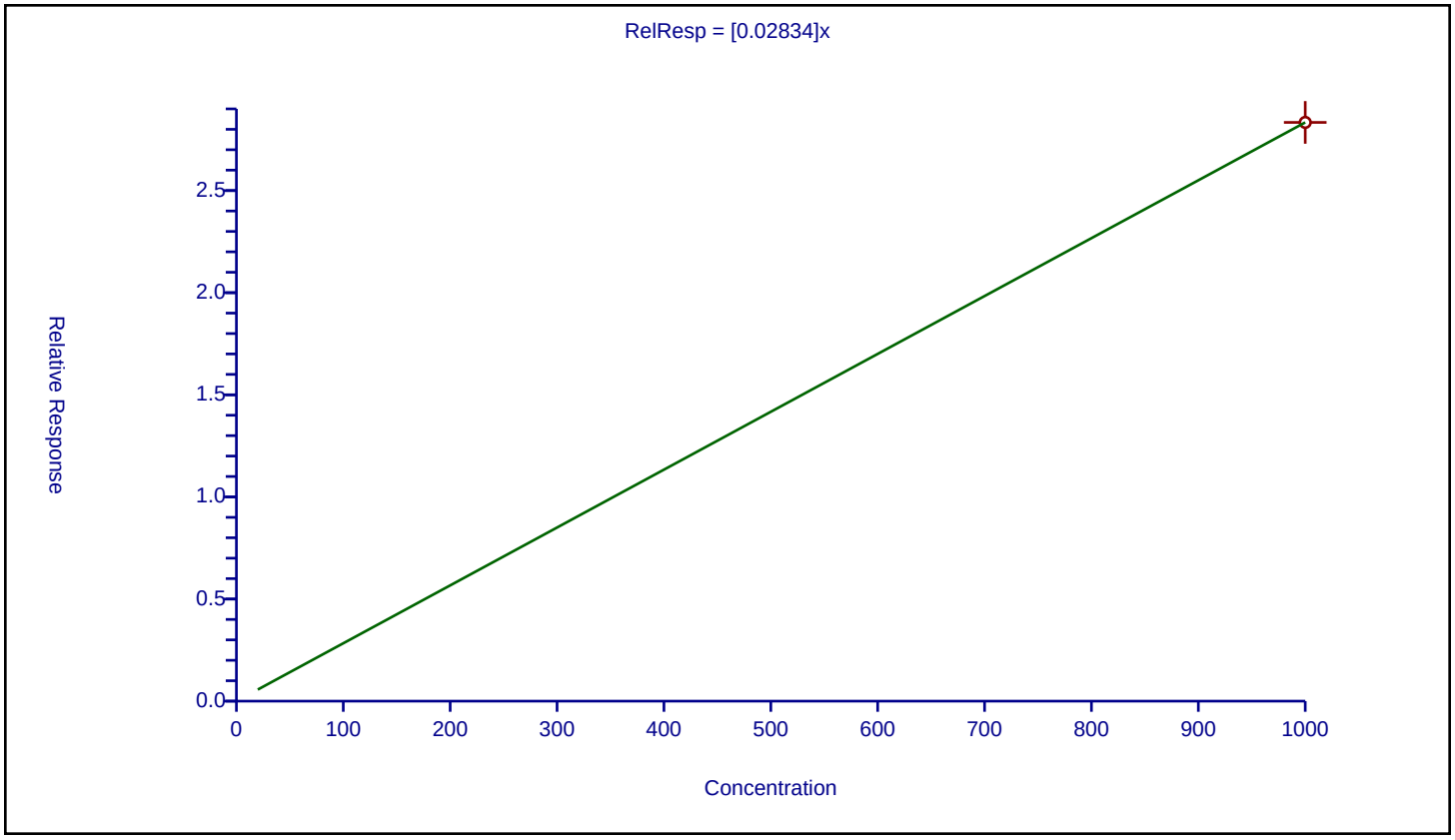
Curve Coefficients

Intercept:	0
Slope:	0.02834

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	28.337103	20.0	44318297.0	0.028337	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

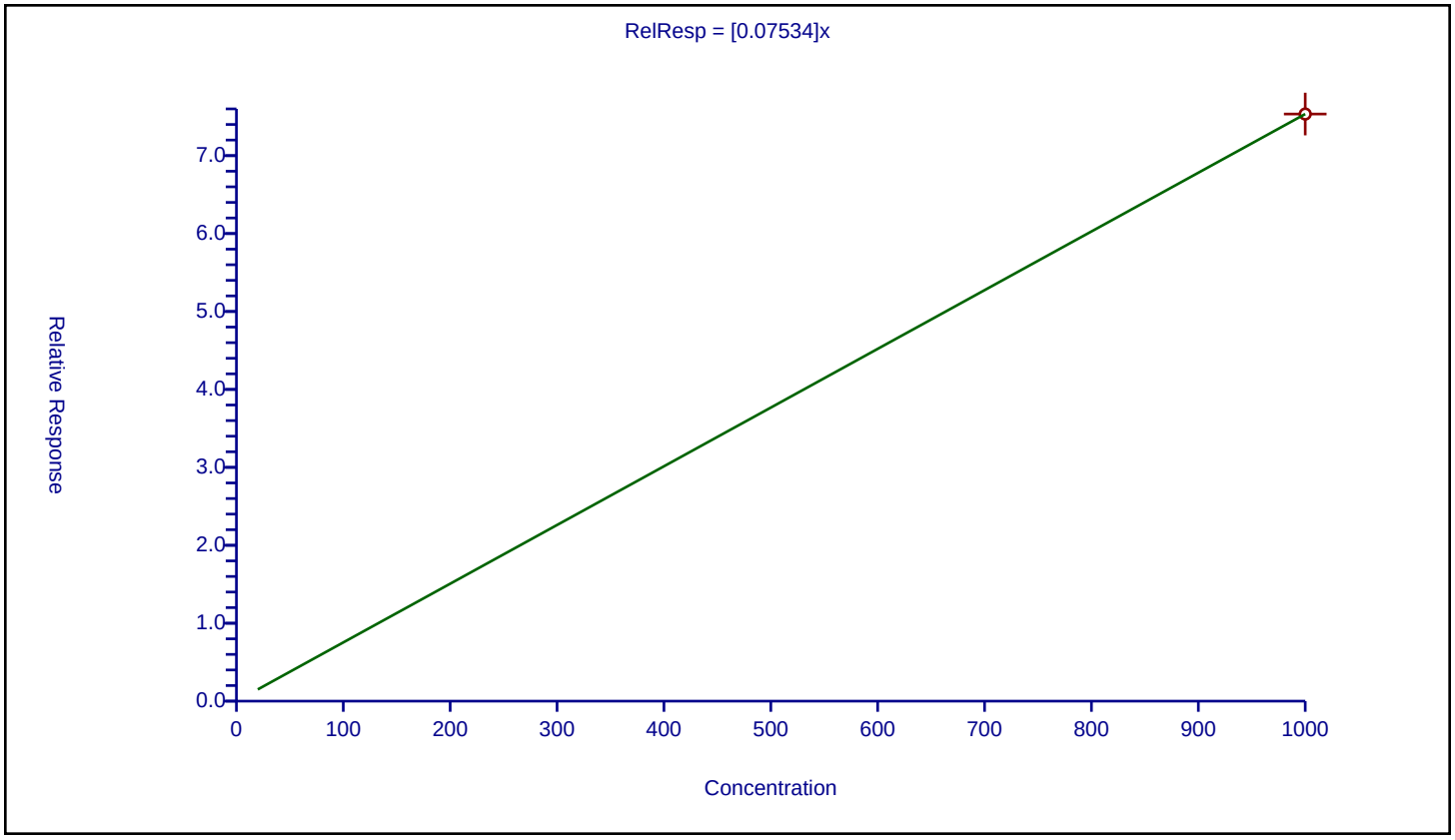
Curve Coefficients

Intercept:	0
Slope:	0.07534

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	75.340696	20.0	44318297.0	0.075341	Y



Calibration / PCB-1248 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

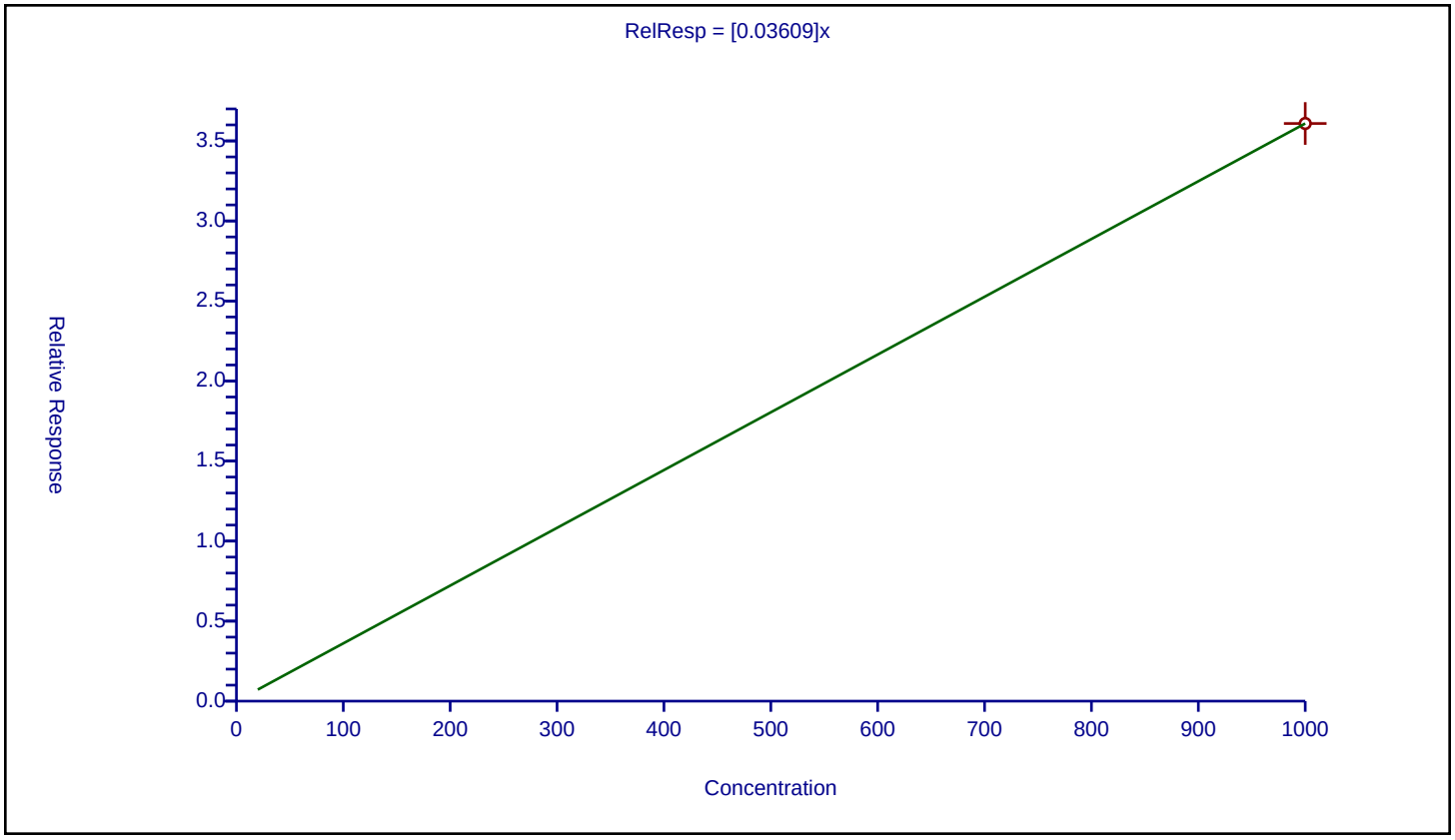
Curve Coefficients

Intercept:	0
Slope:	0.03609

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	36.08768	20.0	44318297.0	0.036088	Y



Calibration / PCB-1248 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

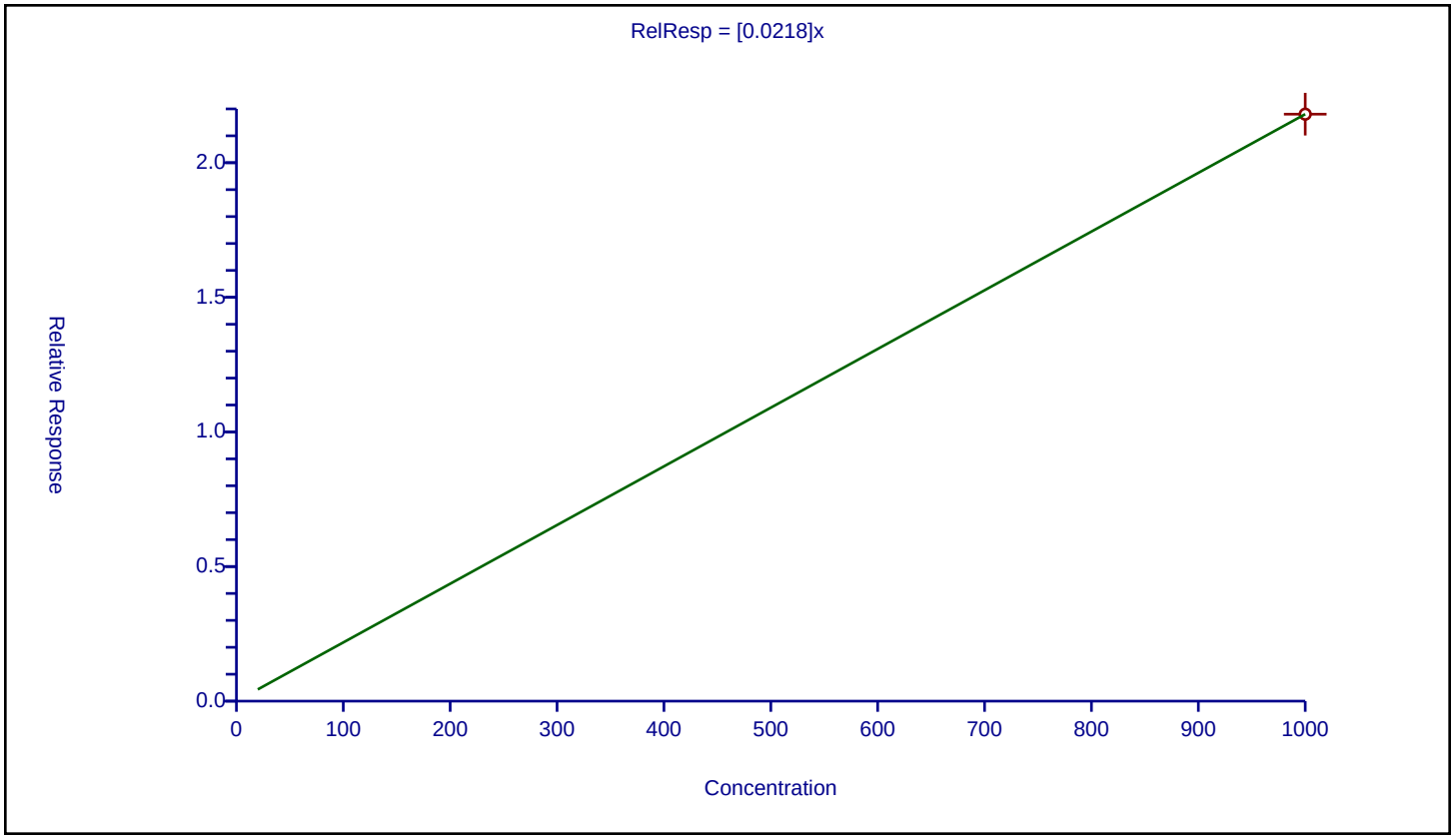
Curve Coefficients

Intercept:	0
Slope:	0.0218

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	21.803782	20.0	44318297.0	0.021804	Y



Calibration / PCB-1248 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

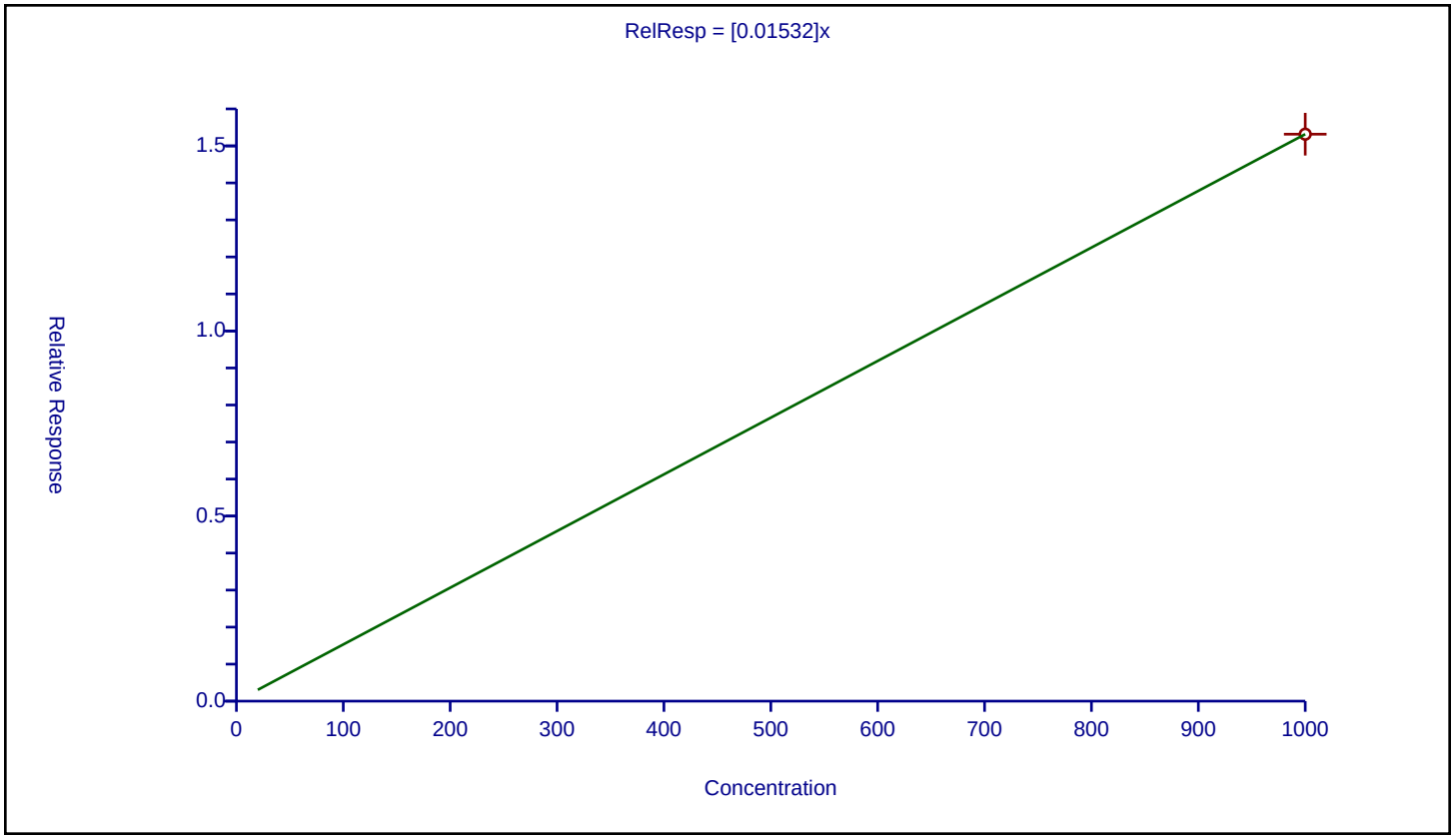
Curve Coefficients

Intercept:	0
Slope:	0.01532

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.316775	20.0	44318297.0	0.015317	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 Calibration End Date: 12/21/2023 13:30 Calibration ID: 95532

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0091					Ave		0.0091						20.0			
PCB-1254 Peak 2	0.0258					Ave		0.0258						20.0			
PCB-1254 Peak 3	0.0301					Ave		0.0301						20.0			
PCB-1254 Peak 4	0.0264					Ave		0.0264						20.0			
PCB-1254 Peak 5	0.0548					Ave		0.0548						20.0			
PCB-1254 Peak 6	0.0392					Ave		0.0392						20.0			
PCB-1254 Peak 7	0.0466					Ave		0.0466						20.0			
PCB-1254 Peak 8	0.0554					Ave		0.0554						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 | Calibration End Date: 12/21/2023 13:30 | Calibration ID: 95532

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	22143548					1000				
PCB-1254 Peak 2	BNB	Ave	62546007					1000				
PCB-1254 Peak 3	BNB	Ave	72981695					1000				
PCB-1254 Peak 4	BNB	Ave	63960606					1000				
PCB-1254 Peak 5	BNB	Ave	132627919					1000				
PCB-1254 Peak 6	BNB	Ave	94909987					1000				
PCB-1254 Peak 7	BNB	Ave	112853426					1000				
PCB-1254 Peak 8	BNB	Ave	134168431					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:30:05 ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:23 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	48433299	20.0	20.0	
2	1.226	1.226	0.000	44333667	20.0	20.0	M
						RPD = 0.00	
7 PCB-1254							M
1	4.690	4.690	0.000	22143548	1000.0	1000.0	
1	5.205	5.205	0.000	62546007	1000.0	1000.0	
1	5.440	5.440	0.000	72981695	1000.0	1000.0	
1	5.892	5.892	0.000	63960606	1000.0	1000.0	
1	6.056	6.056	0.000	132627919	1000.0	1000.0	
1	6.391	6.391	0.000	94909987	1000.0	1000.0	
1	6.950	6.950	0.000	112853426	1000.0	1000.0	
1	7.288	7.288	0.000	134168431	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.630	3.630	0.000	28001150	1000.0	1000.0	
2	4.062	4.062	0.000	76685363	1000.0	1000.0	
2	4.364	4.364	0.000	116078429	1000.0	1000.0	M
2	4.666	4.666	0.000	91185100	1000.0	1000.0	M
2	4.806	4.806	0.000	145667574	1000.0	1000.0	M
2	5.130	5.130	0.000	121873670	1000.0	1000.0	
2	5.349	5.349	0.000	99796819	1000.0	1000.0	
2	5.682	5.682	0.000	150905772	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

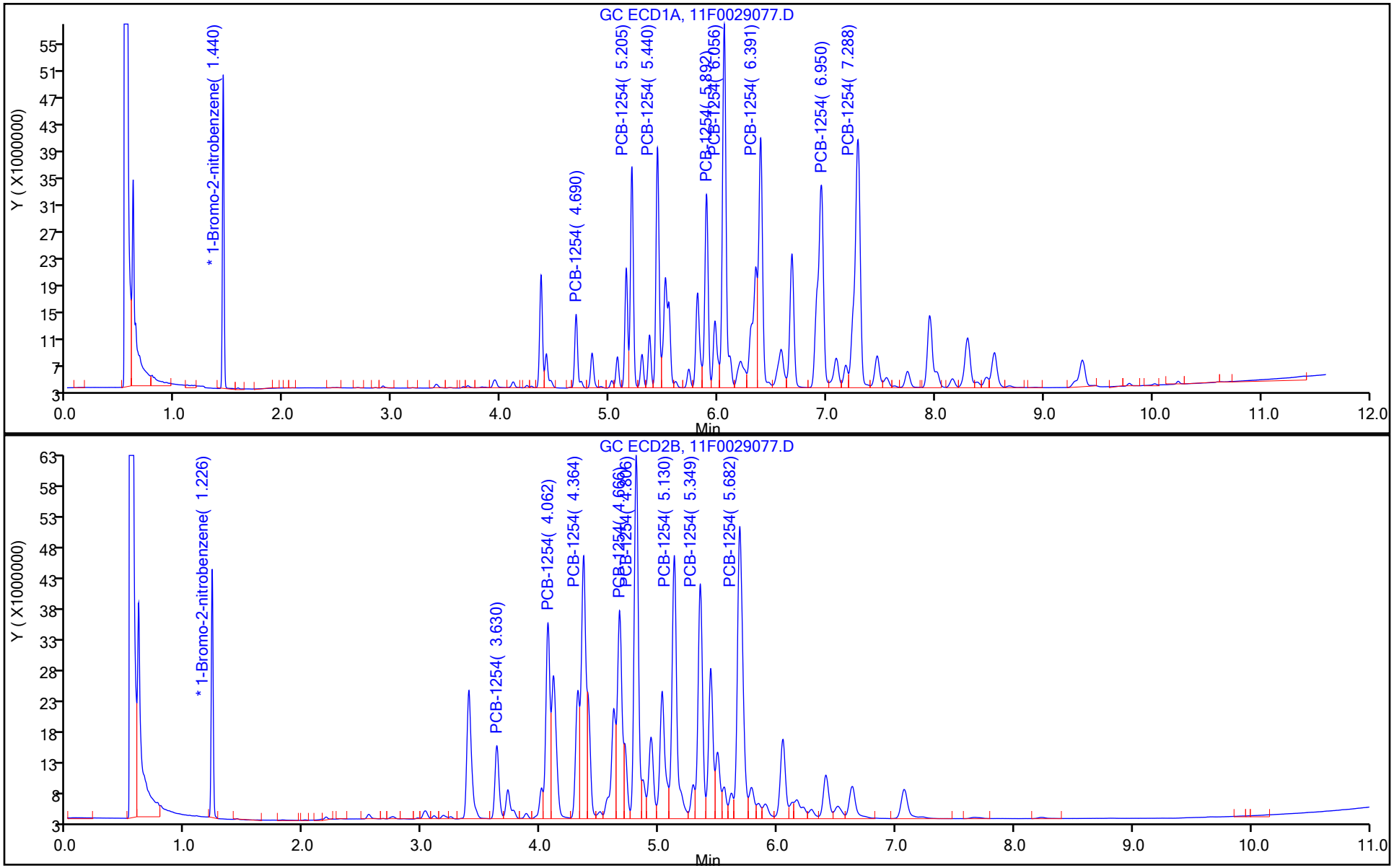
SG1254L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D

Injection Date:	21-Dec-2023 13:30:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Calibration / PCB-1254 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

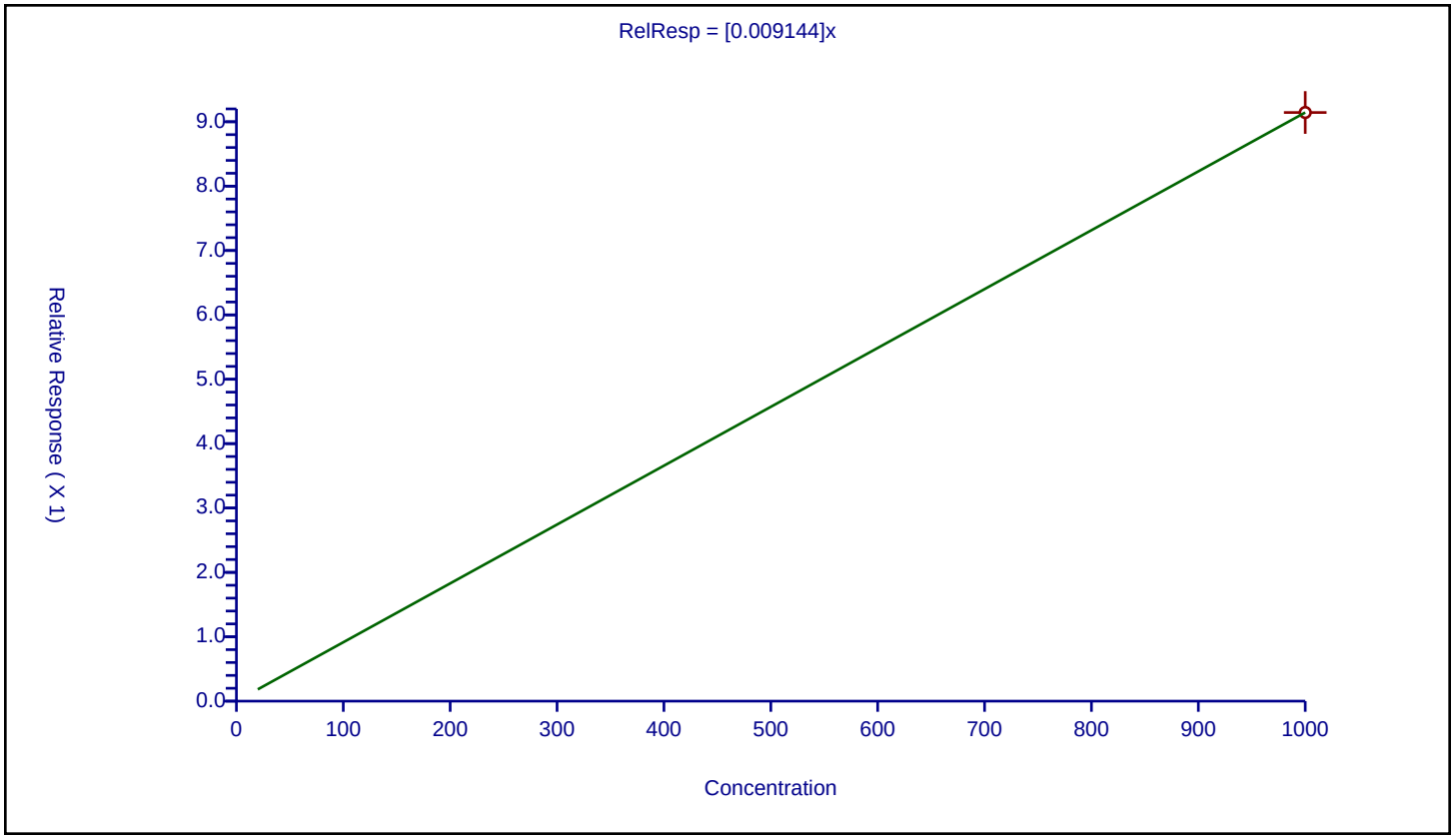
Curve Coefficients

Intercept:	0
Slope:	0.009144

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	9.143935	20.0	48433299.0	0.009144	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

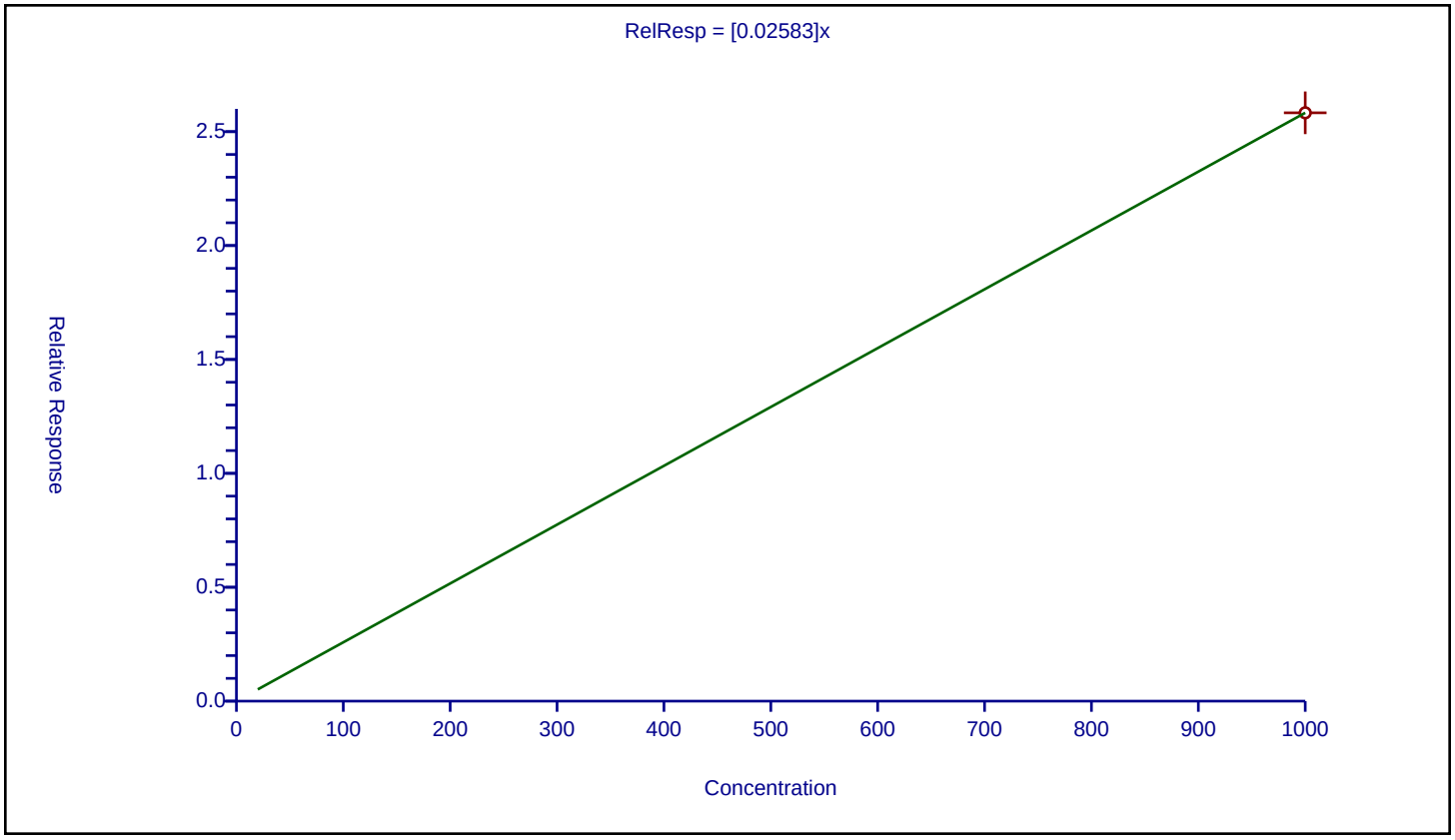
Curve Coefficients

Intercept:	0
Slope:	0.02583

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	25.827688	20.0	48433299.0	0.025828	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

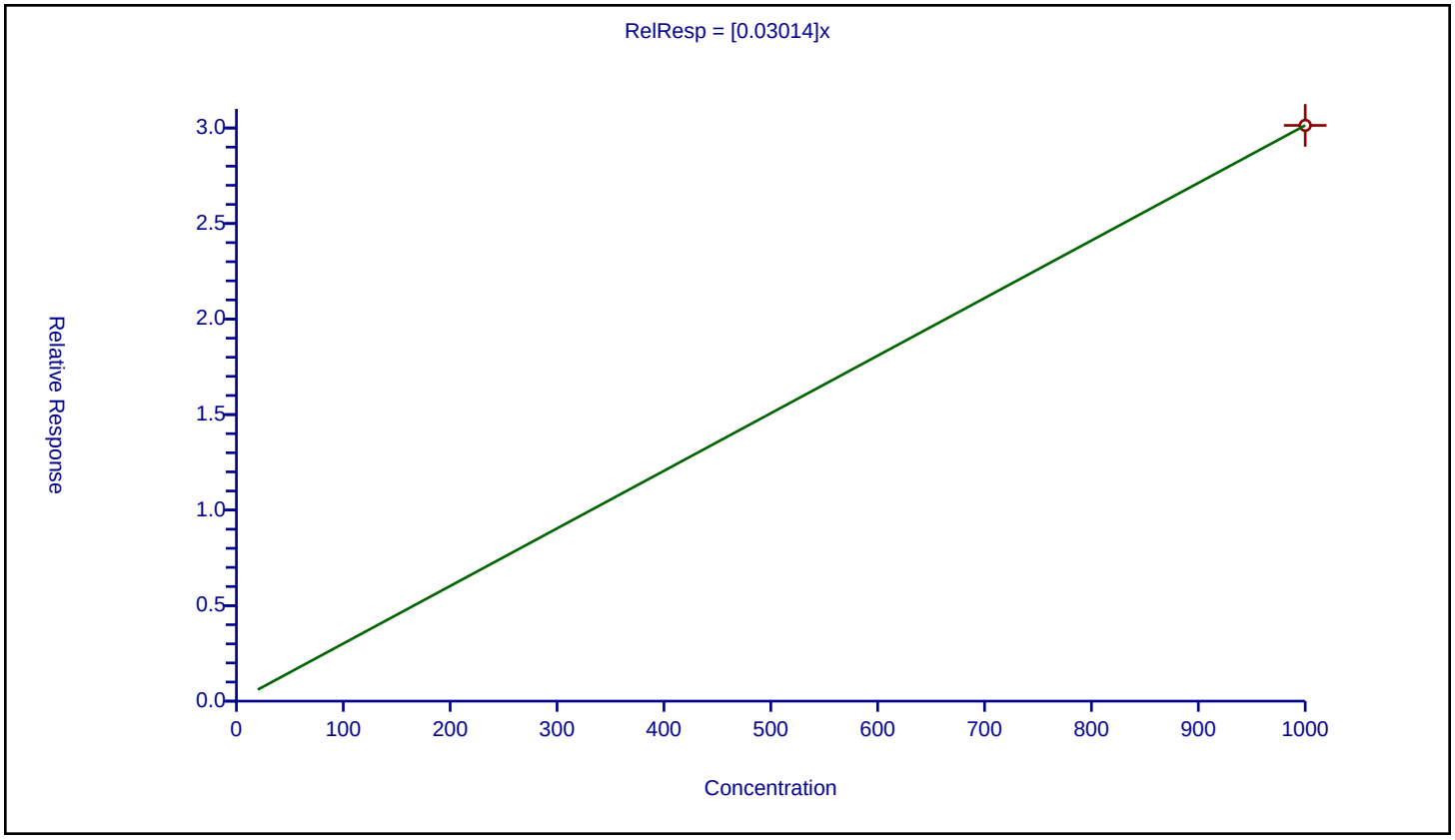
Curve Coefficients

Intercept:	0
Slope:	0.03014

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	30.136991	20.0	48433299.0	0.030137	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

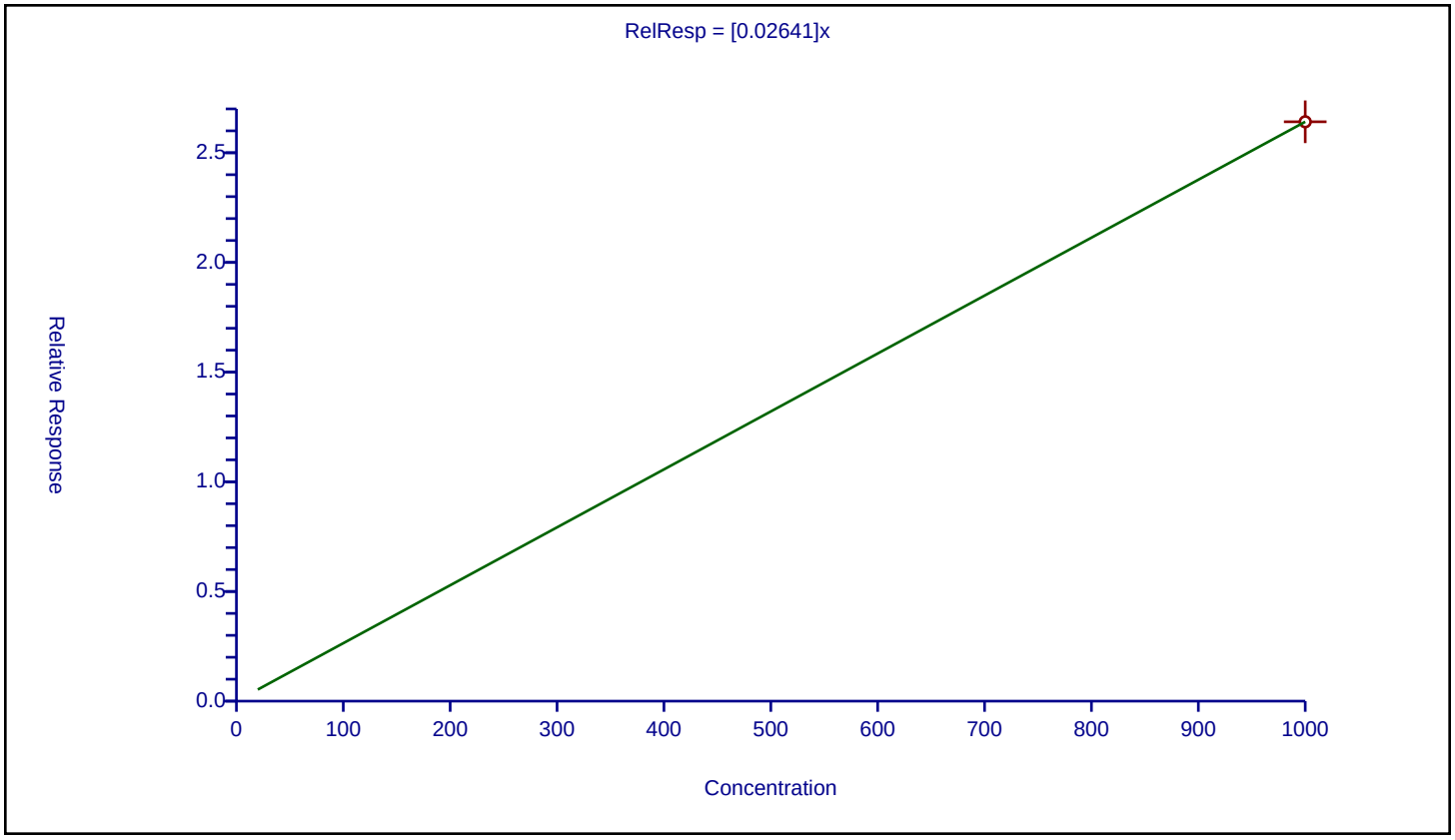
Curve Coefficients

Intercept:	0
Slope:	0.02641

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	26.411831	20.0	48433299.0	0.026412	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

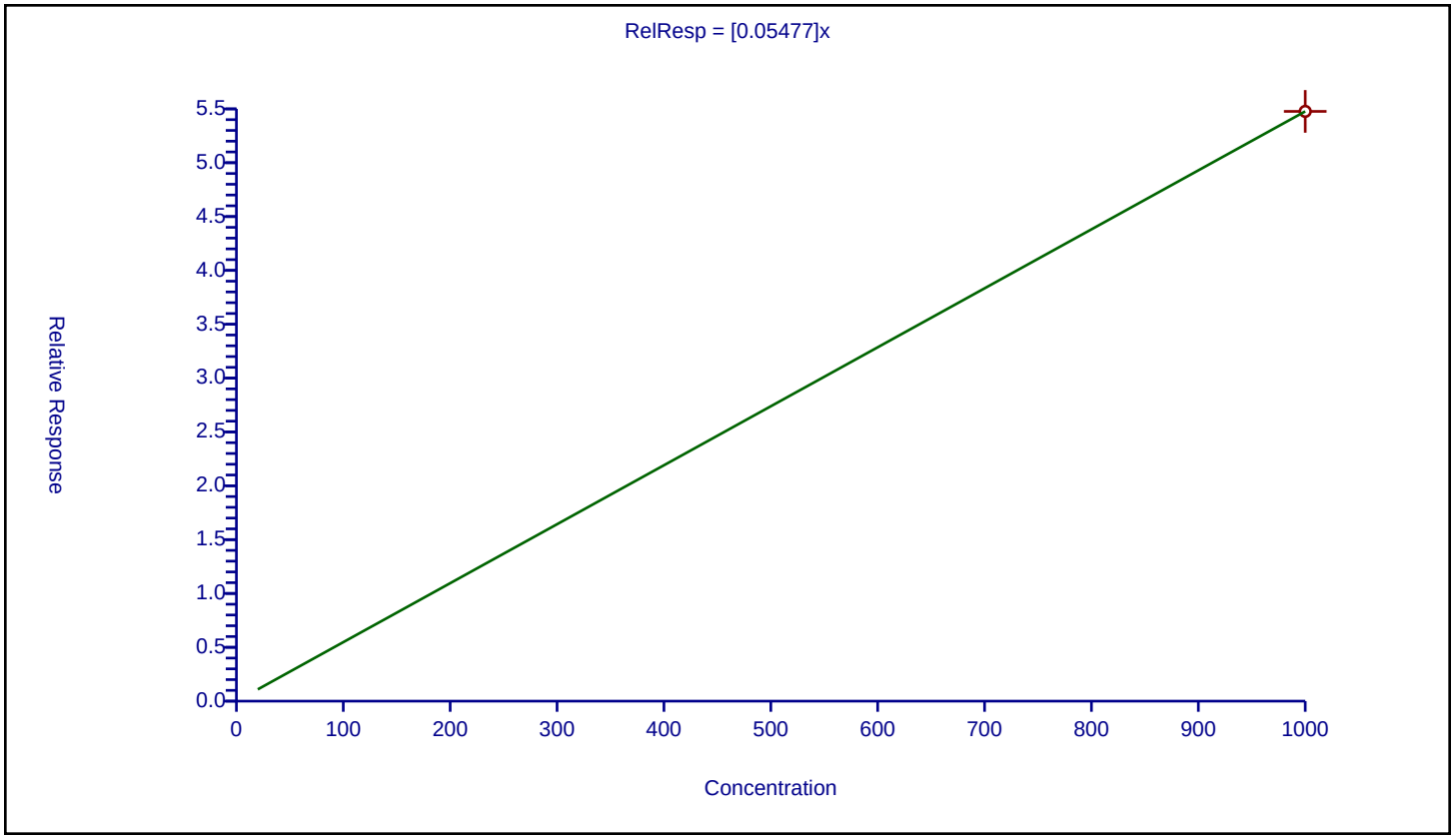
Curve Coefficients

Intercept:	0
Slope:	0.05477

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	54.767246	20.0	48433299.0	0.054767	Y



Calibration / PCB-1254 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

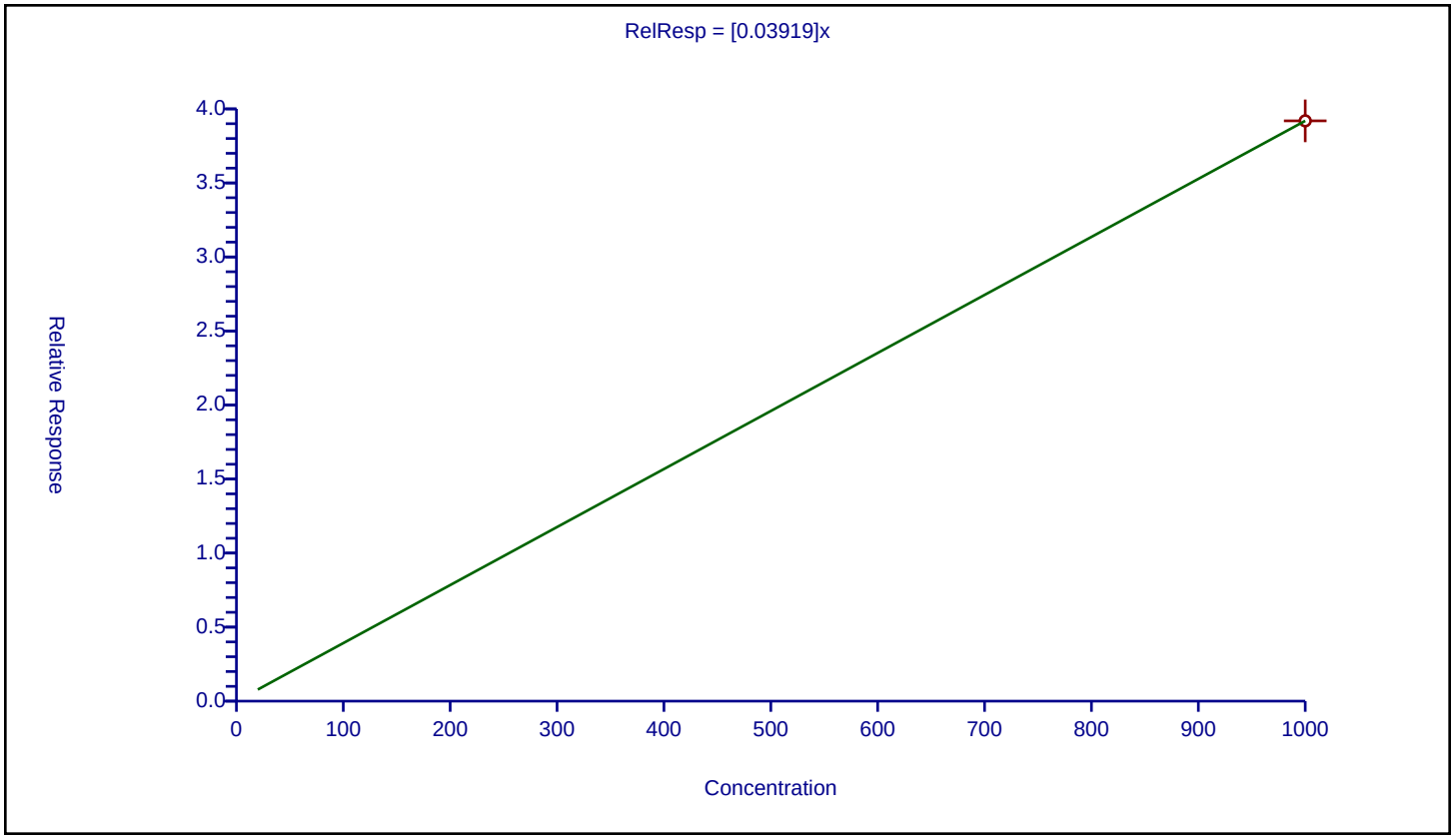
Curve Coefficients

Intercept:	0
Slope:	0.03919

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	39.192039	20.0	48433299.0	0.039192	Y



Calibration / PCB-1254 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

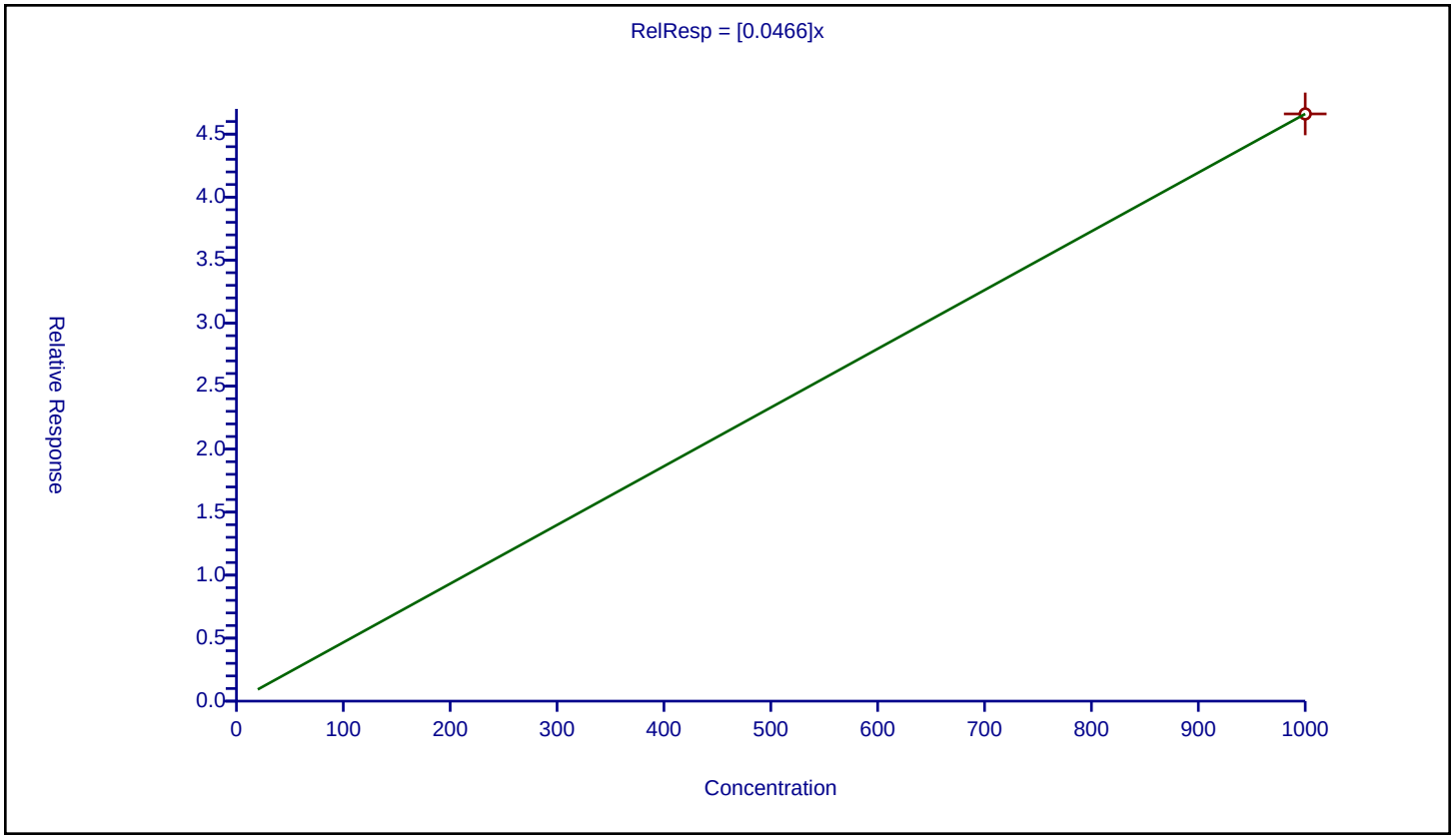
Curve Coefficients

Intercept:	0
Slope:	0.0466

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	46.601585	20.0	48433299.0	0.046602	Y



Calibration / PCB-1254 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

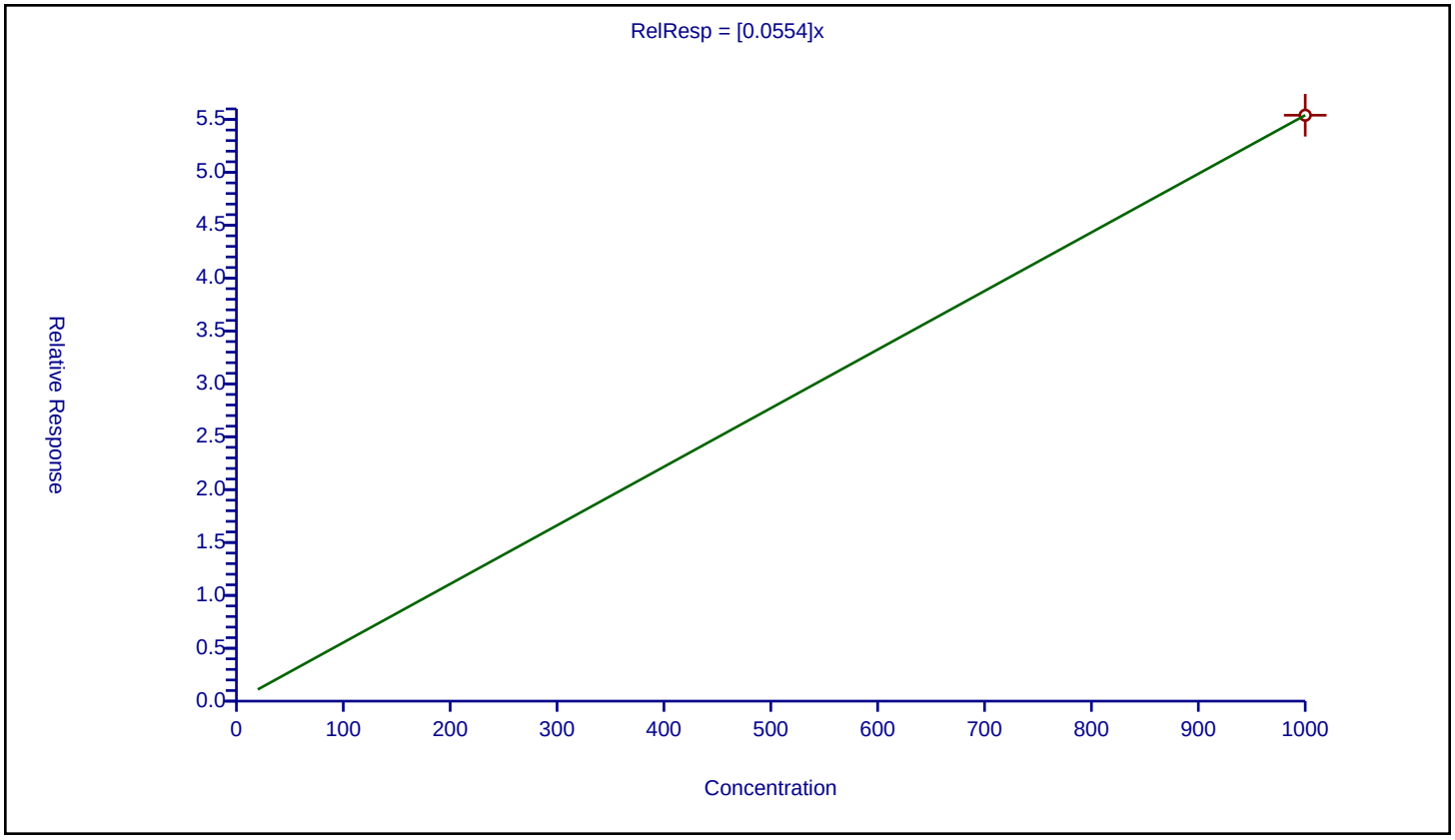
Curve Coefficients

Intercept:	0
Slope:	0.0554

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	55.403383	20.0	48433299.0	0.055403	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 Calibration End Date: 12/21/2023 13:30 Calibration ID: 95533

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0126					Ave		0.0126						20.0			
PCB-1254 Peak 2	0.0346					Ave		0.0346						20.0			
PCB-1254 Peak 3	0.0524					Ave		0.0524						20.0			
PCB-1254 Peak 4	0.0411					Ave		0.0411						20.0			
PCB-1254 Peak 5	0.0657					Ave		0.0657						20.0			
PCB-1254 Peak 6	0.0550					Ave		0.0550						20.0			
PCB-1254 Peak 7	0.0450					Ave		0.0450						20.0			
PCB-1254 Peak 8	0.0681					Ave		0.0681						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 | Calibration End Date: 12/21/2023 13:30 | Calibration ID: 95533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	28001150					1000				
PCB-1254 Peak 2	BNB	Ave	76685363					1000				
PCB-1254 Peak 3	BNB	Ave	116078429					1000				
PCB-1254 Peak 4	BNB	Ave	91185100					1000				
PCB-1254 Peak 5	BNB	Ave	145667574					1000				
PCB-1254 Peak 6	BNB	Ave	121873670					1000				
PCB-1254 Peak 7	BNB	Ave	99796819					1000				
PCB-1254 Peak 8	BNB	Ave	150905772					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:30:05 ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:23 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	48433299	20.0	20.0	
2	1.226	1.226	0.000	44333667	20.0	20.0	M
						RPD = 0.00	
7 PCB-1254							M
1	4.690	4.690	0.000	22143548	1000.0	1000.0	
1	5.205	5.205	0.000	62546007	1000.0	1000.0	
1	5.440	5.440	0.000	72981695	1000.0	1000.0	
1	5.892	5.892	0.000	63960606	1000.0	1000.0	
1	6.056	6.056	0.000	132627919	1000.0	1000.0	
1	6.391	6.391	0.000	94909987	1000.0	1000.0	
1	6.950	6.950	0.000	112853426	1000.0	1000.0	
1	7.288	7.288	0.000	134168431	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.630	3.630	0.000	28001150	1000.0	1000.0	
2	4.062	4.062	0.000	76685363	1000.0	1000.0	
2	4.364	4.364	0.000	116078429	1000.0	1000.0	M
2	4.666	4.666	0.000	91185100	1000.0	1000.0	M
2	4.806	4.806	0.000	145667574	1000.0	1000.0	M
2	5.130	5.130	0.000	121873670	1000.0	1000.0	
2	5.349	5.349	0.000	99796819	1000.0	1000.0	
2	5.682	5.682	0.000	150905772	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

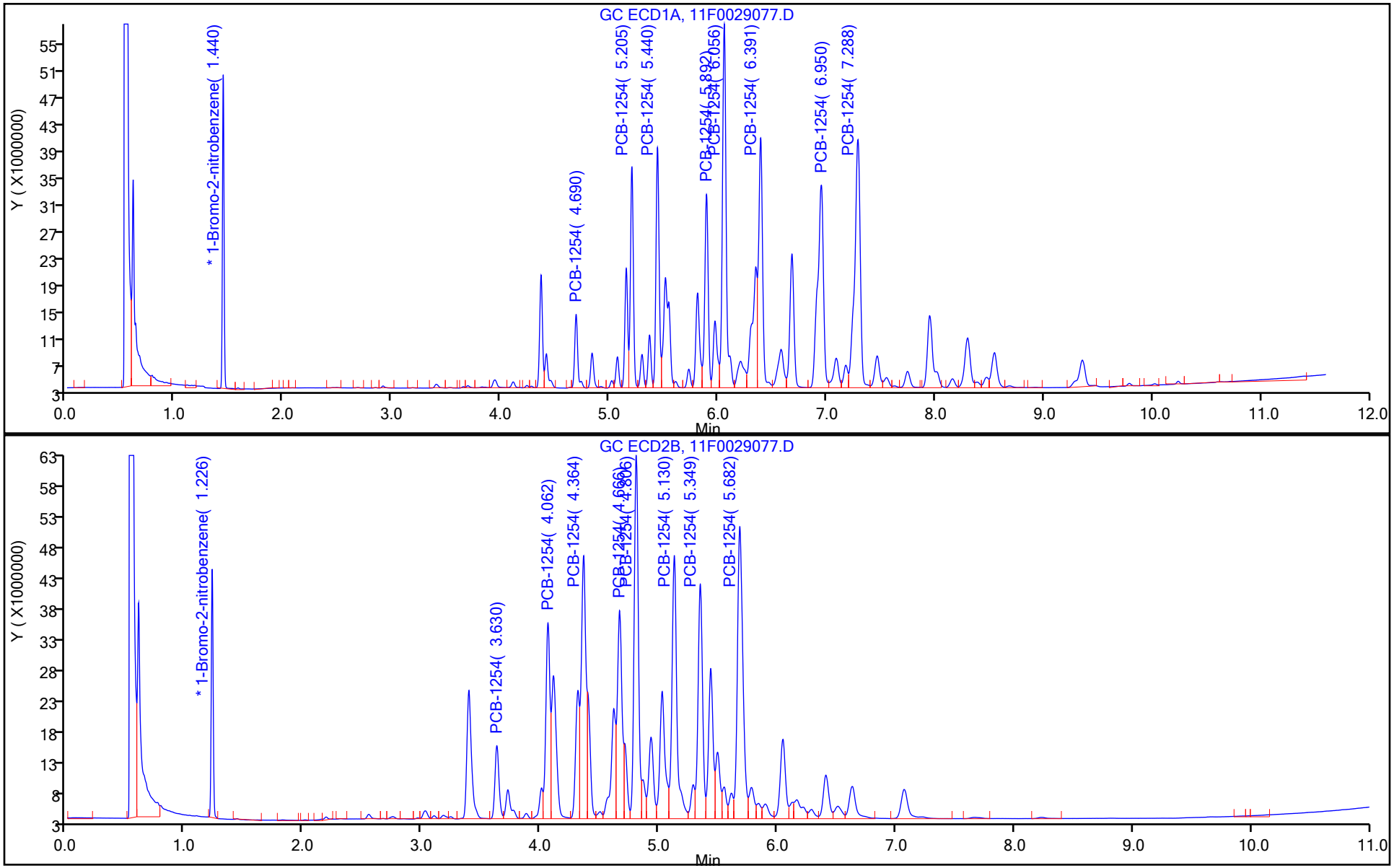
SG1254L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D

Injection Date:	21-Dec-2023 13:30:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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Manual Integration/User Assign Peak Report

Eurofins Edison

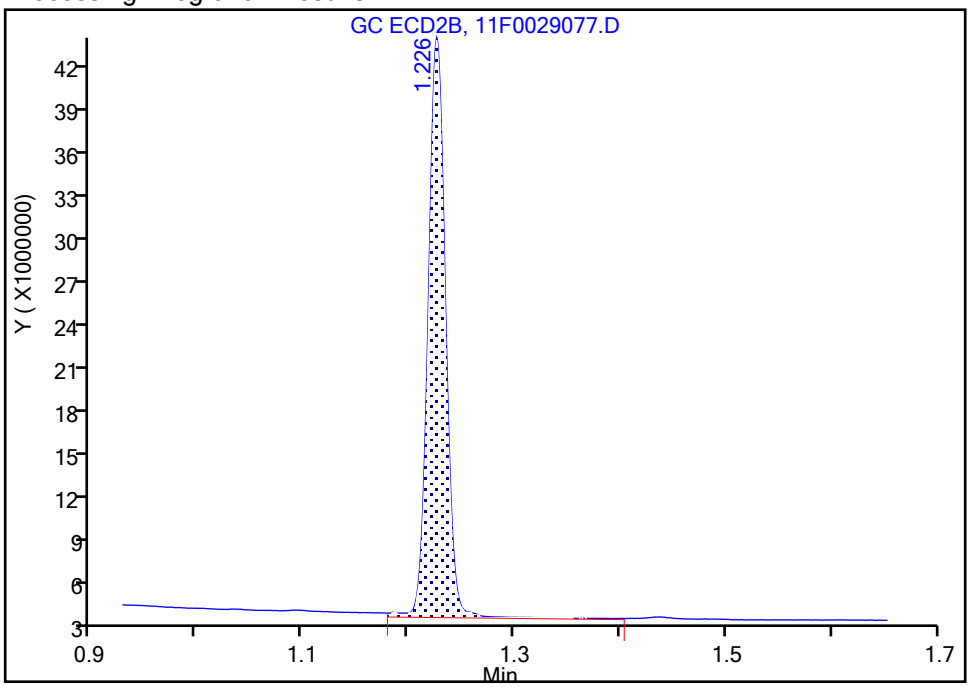
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Injection Date: 21-Dec-2023 13:30:05 Instrument ID: CPESTGC11
Lims ID: IC 1254
Client ID:
Operator ID: ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

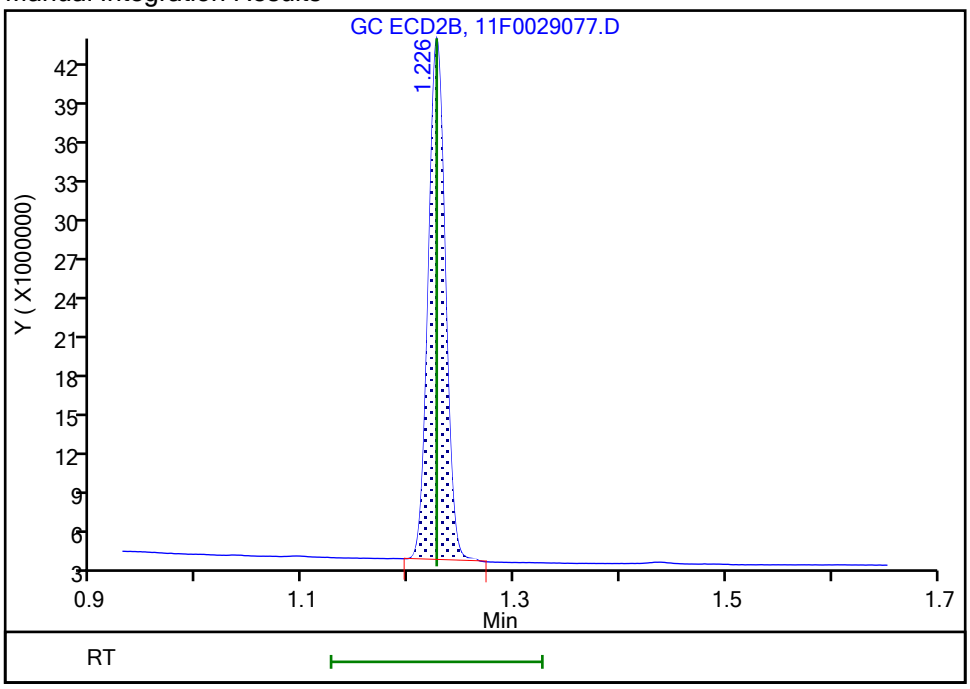
Processing Integration Results

RT: 1.23
Area: 45498498
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44333667
Amount: 20.000000
Amount Units: ug/l



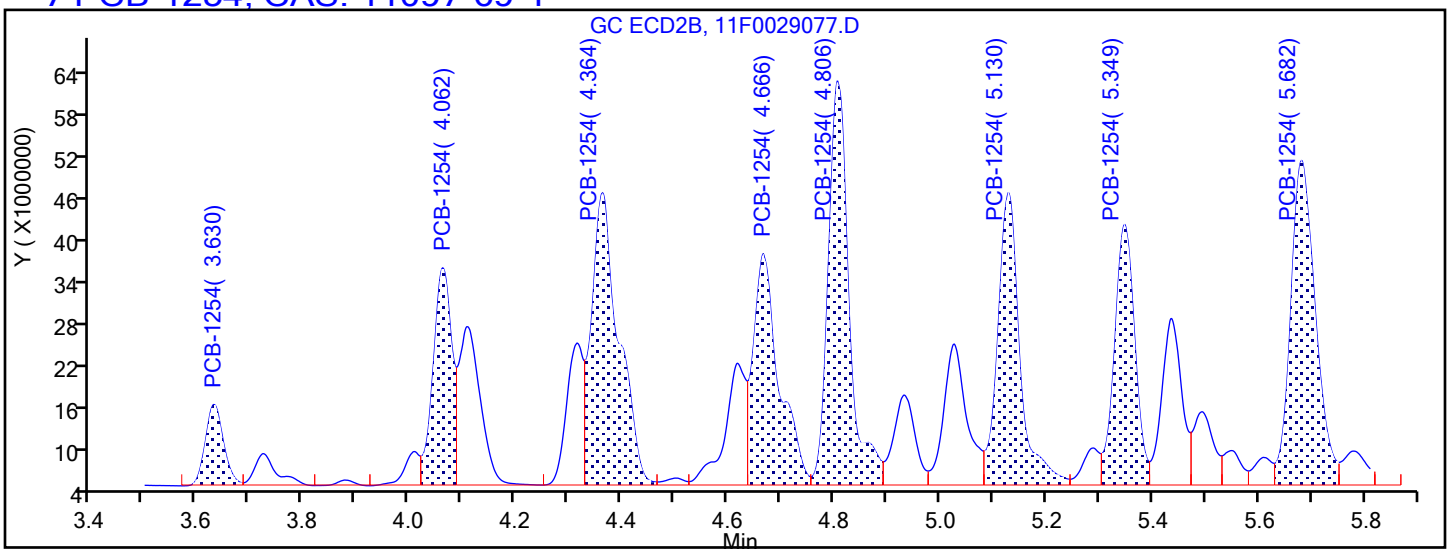
Reviewer: OR9X, 21-Dec-2023 14:17:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

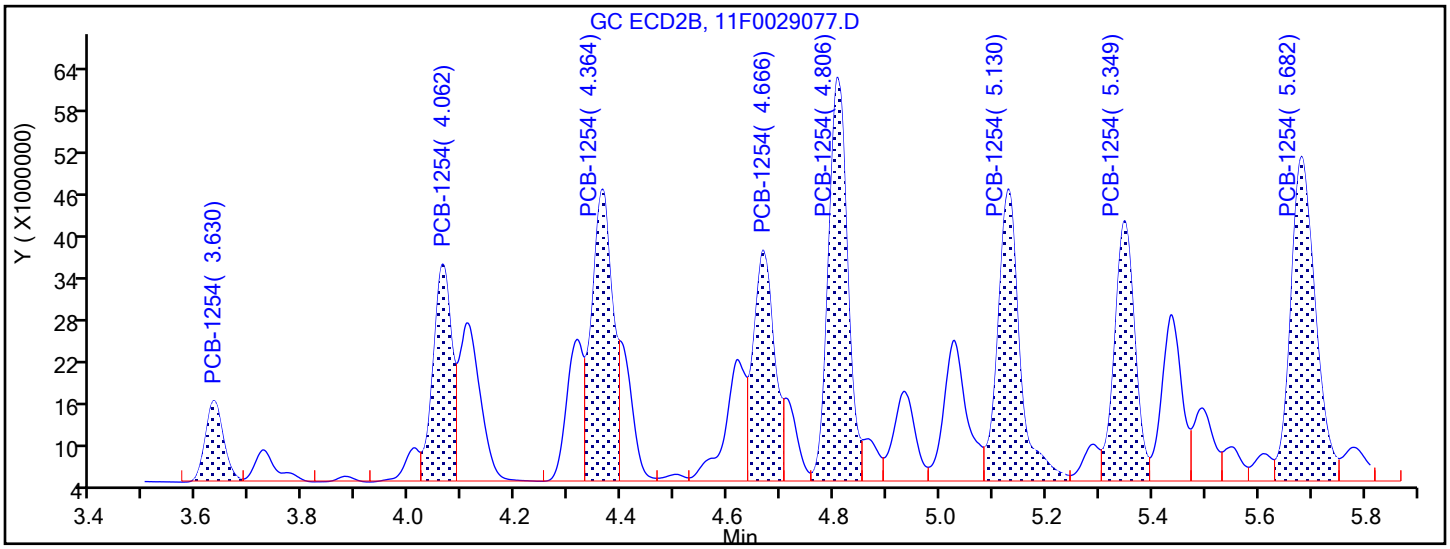
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Injection Date: 21-Dec-2023 13:30:05 Instrument ID: CPESTGC11
Lims ID: IC 1254
Client ID:
Operator ID: ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

3.630	Response = 28001150
4.062	Response = 76685363
4.364	Response = 148987375
4.666	Response = 111452899
4.806	Response = 158083193
5.130	Response = 121873670
5.349	Response = 99796819
5.682	Response = 150905772



Manual Integration Results

3.630	Response = 28001150	
4.062	Response = 76685363	
4.364	Response = 116078429	M
4.666	Response = 91185100	M
4.806	Response = 145667574	M
5.130	Response = 121873670	

Calibration / PCB-1254 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

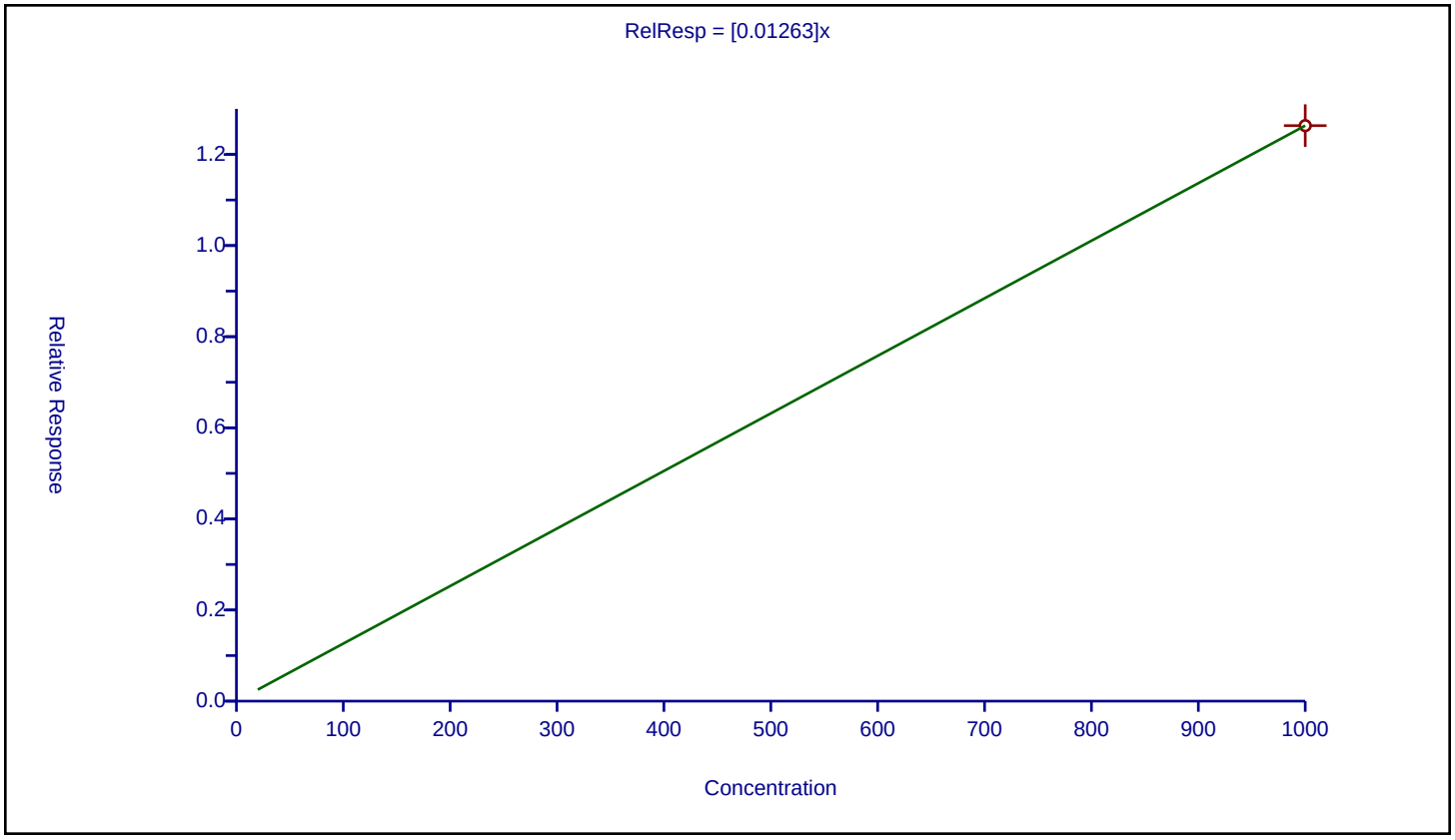
Curve Coefficients

Intercept:	0
Slope:	0.01263

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	12.632003	20.0	44333667.0	0.012632	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

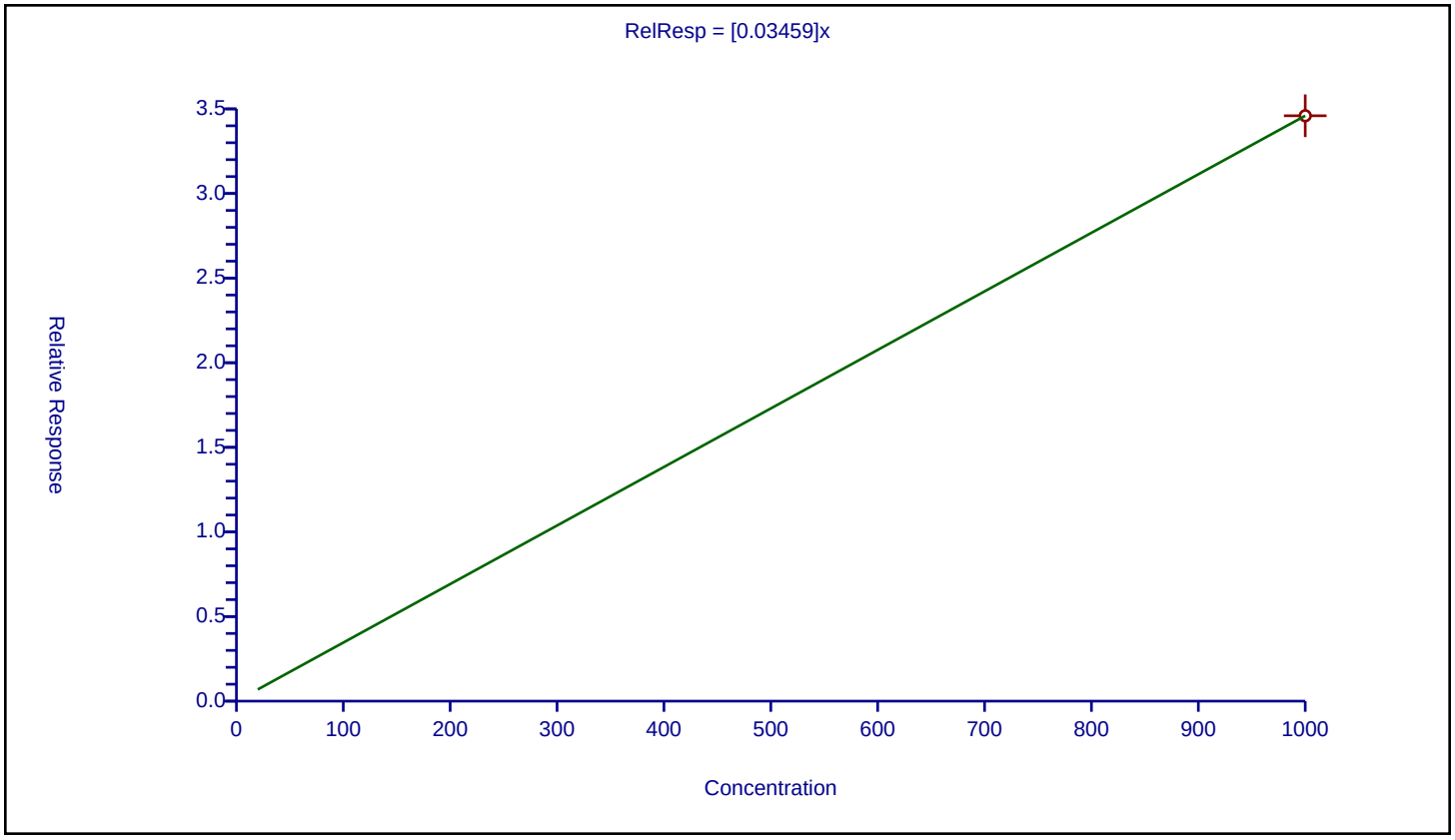
Curve Coefficients

Intercept:	0
Slope:	0.03459

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	34.59464	20.0	44333667.0	0.034595	Y



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Calibration / PCB-1254 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

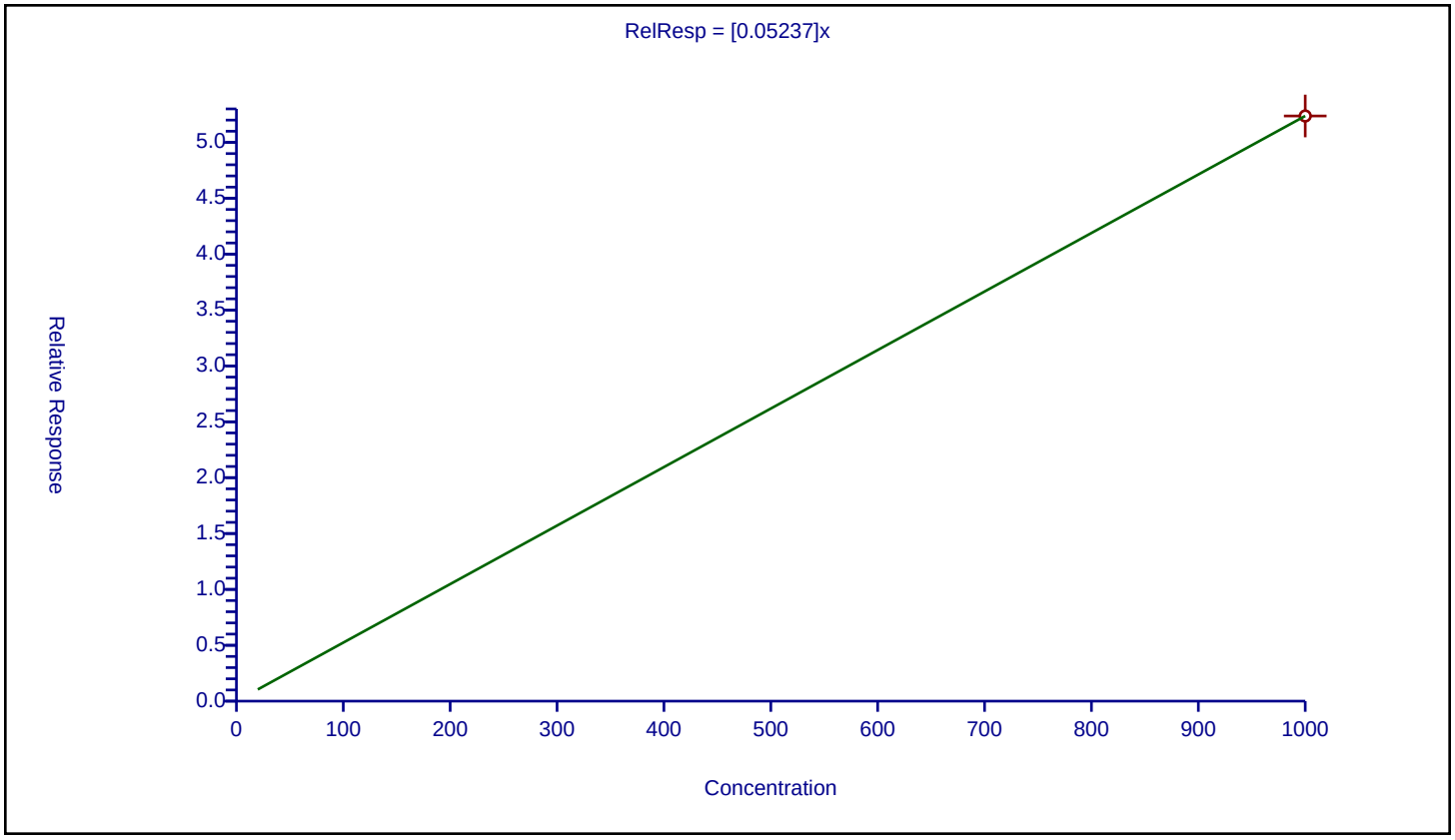
Curve Coefficients

Intercept:	0
Slope:	0.05237

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	52.365814	20.0	44333667.0	0.052366	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

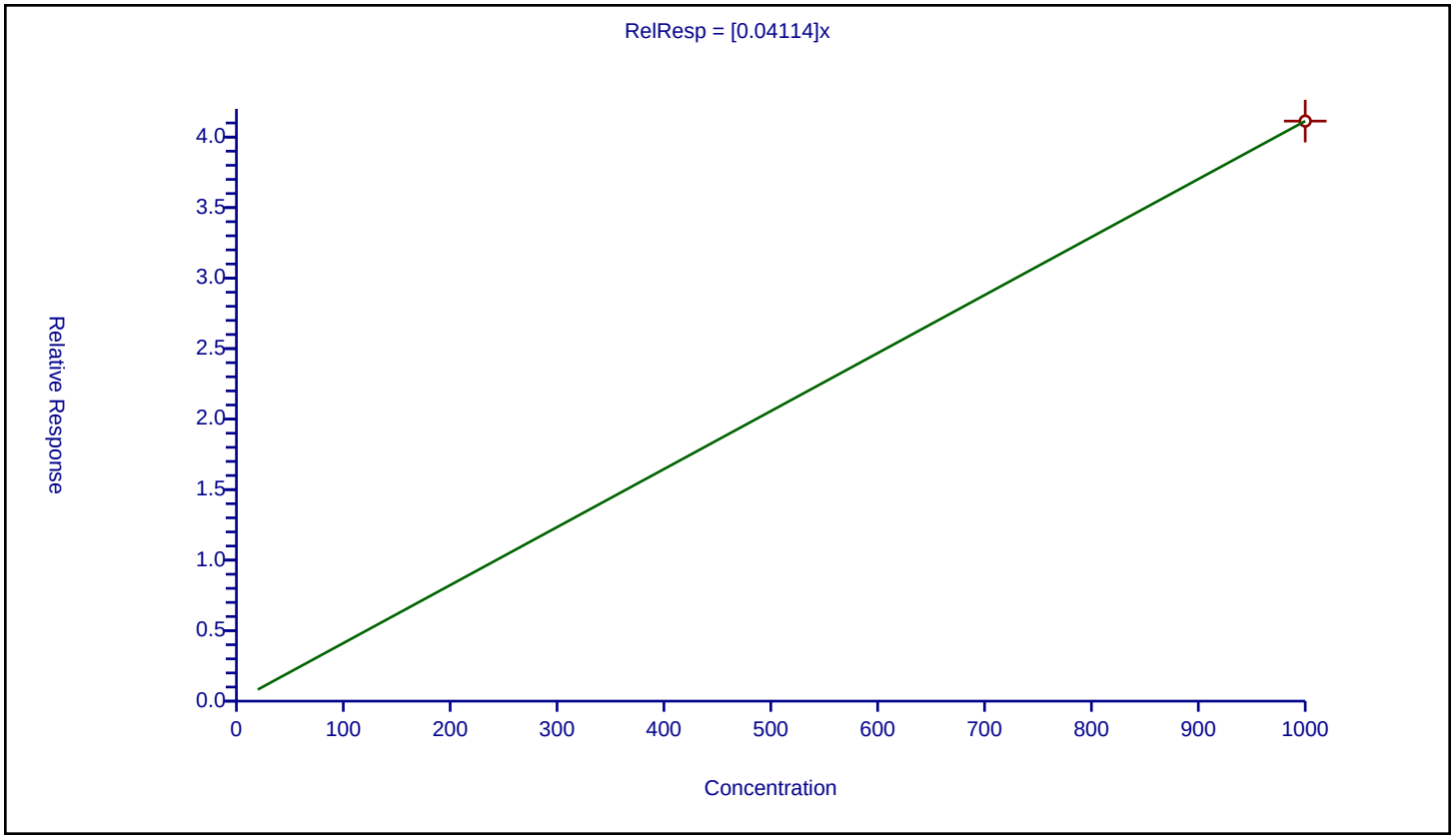
Curve Coefficients

Intercept:	0
Slope:	0.04114

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	41.135826	20.0	44333667.0	0.041136	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

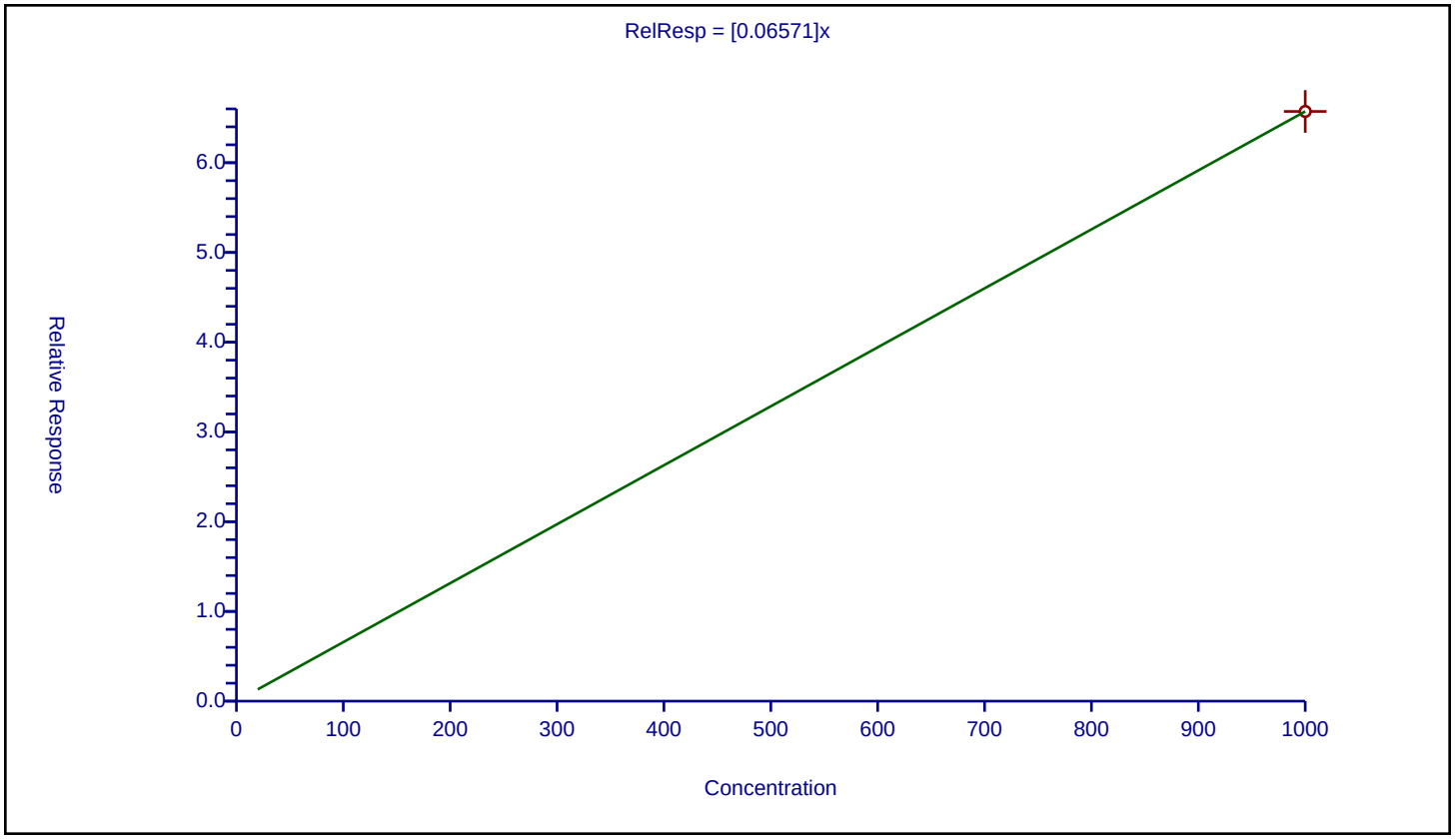
Curve Coefficients

Intercept:	0
Slope:	0.06571

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	65.7142	20.0	44333667.0	0.065714	Y



Calibration / PCB-1254 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

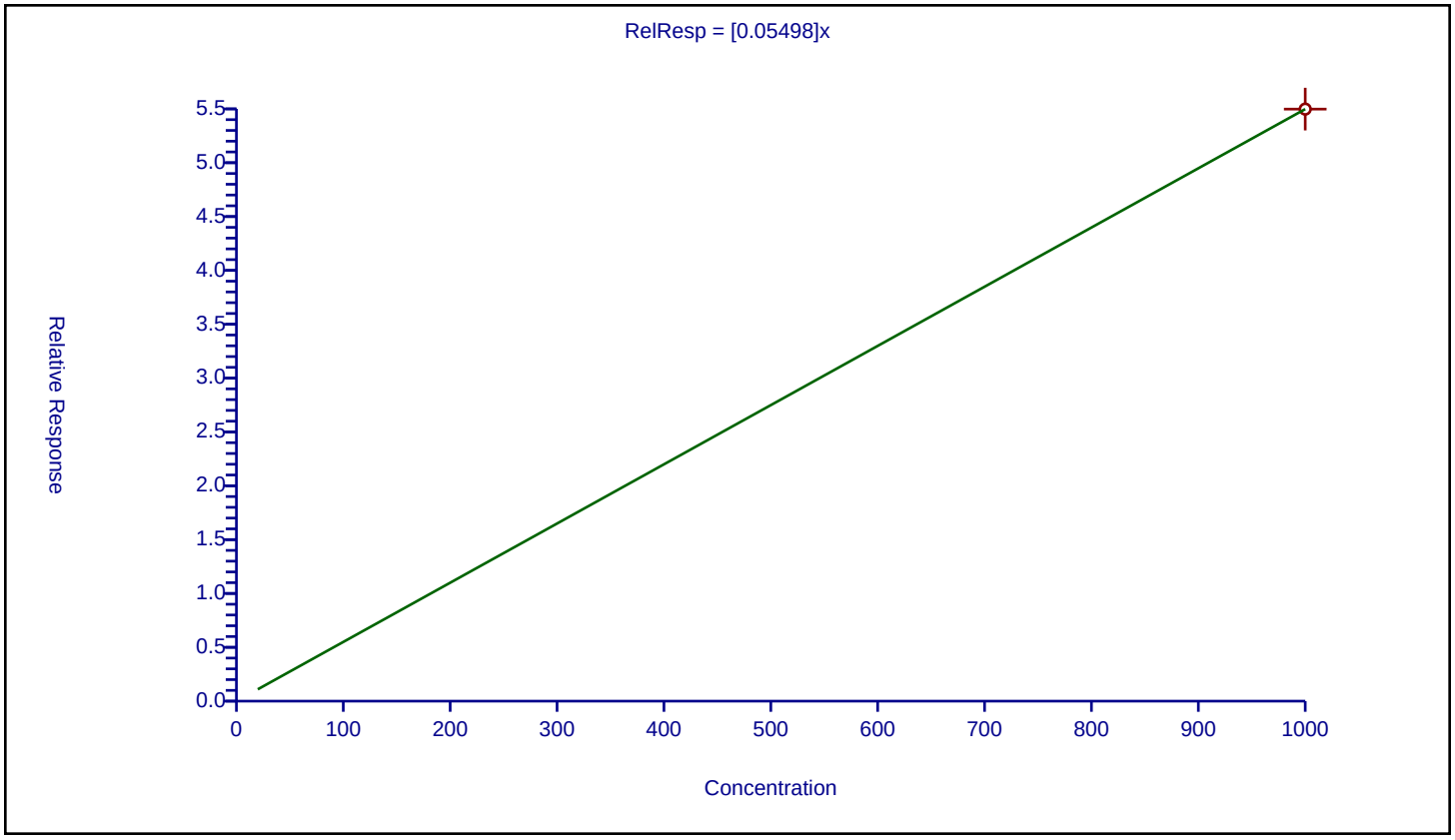
Curve Coefficients

Intercept:	0
Slope:	0.05498

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	54.980189	20.0	44333667.0	0.05498	Y



Calibration / PCB-1254 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

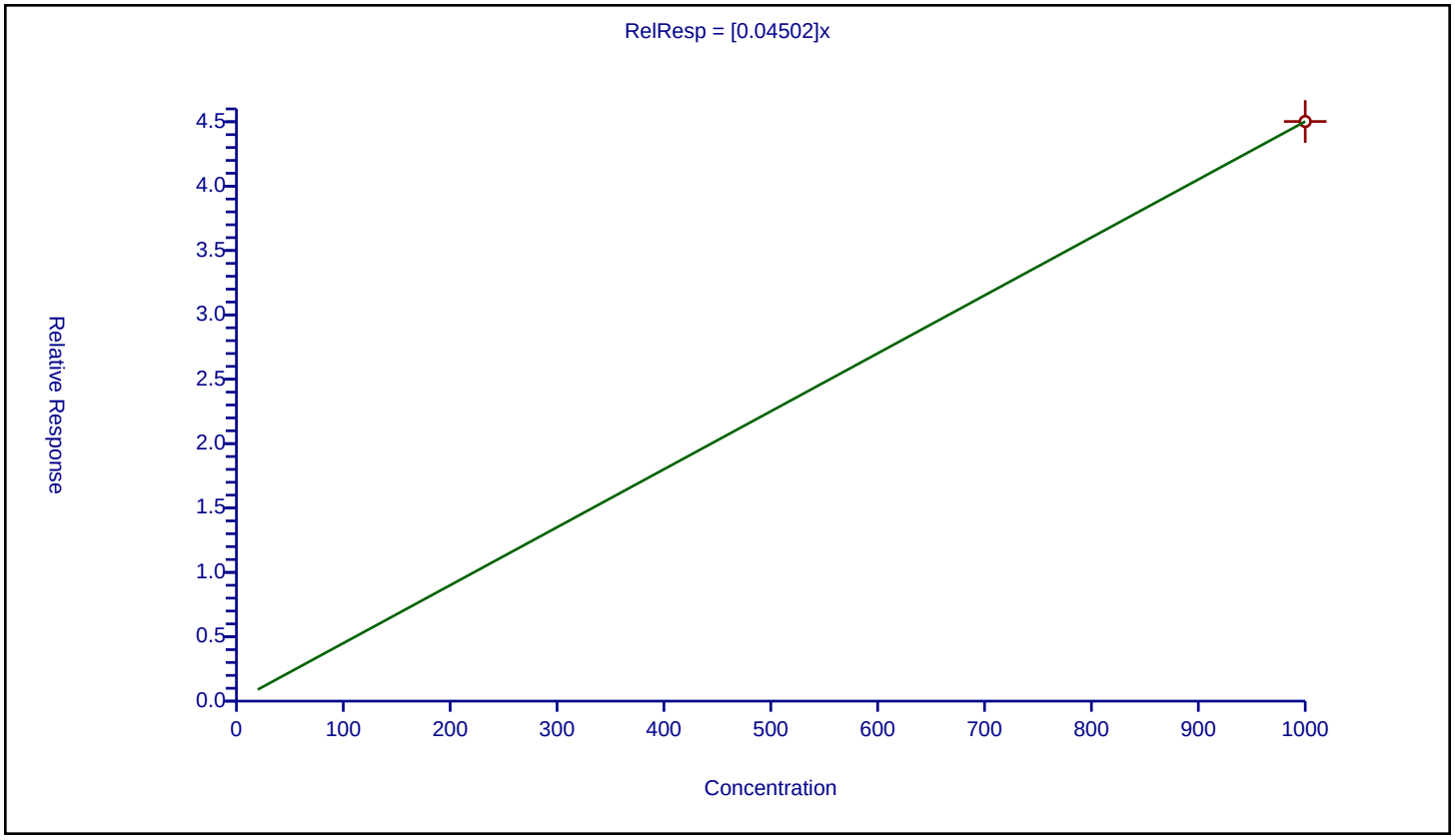
Curve Coefficients

Intercept:	0
Slope:	0.04502

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	45.020783	20.0	44333667.0	0.045021	Y



Calibration / PCB-1254 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

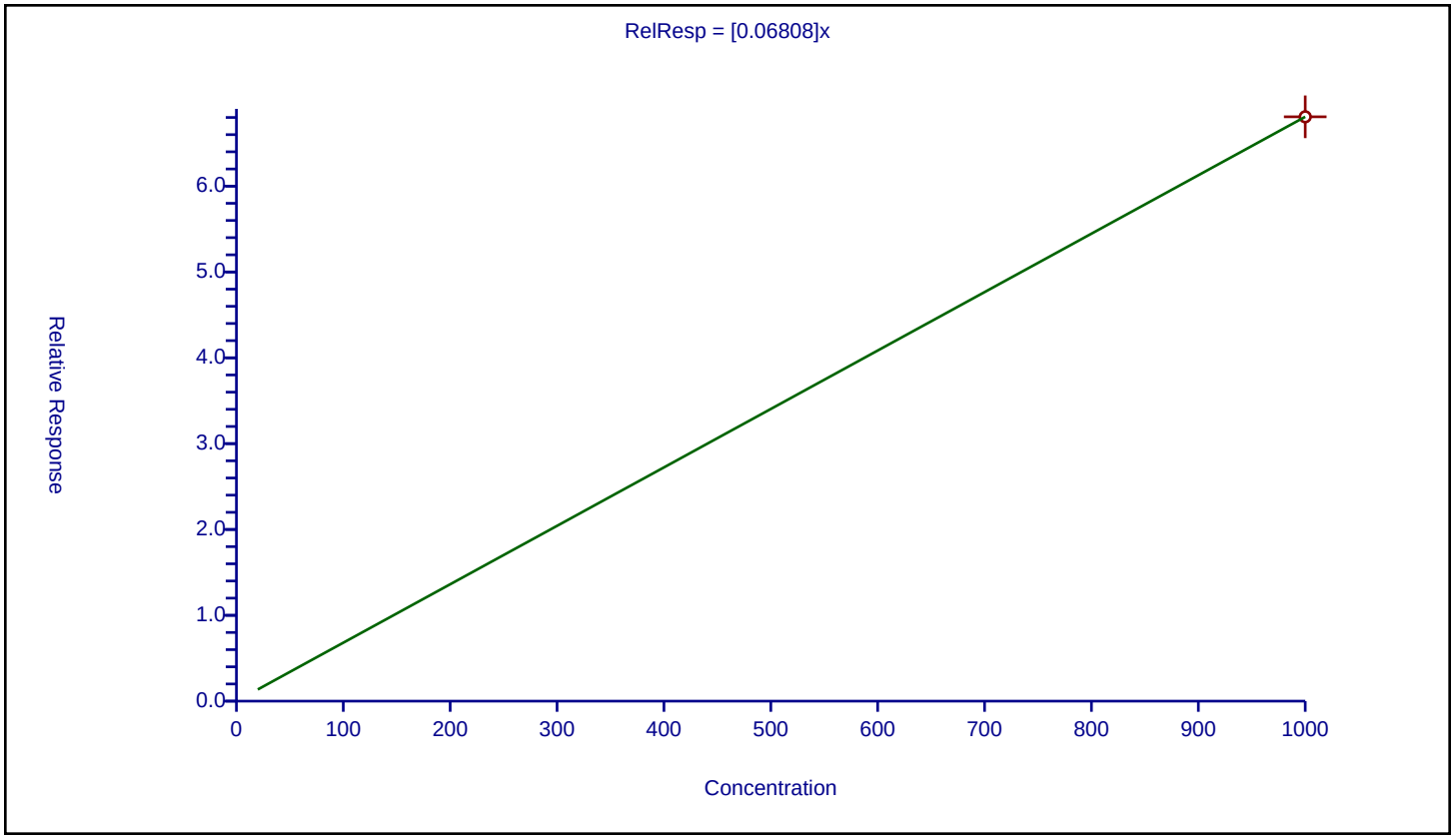
Curve Coefficients

Intercept:	0
Slope:	0.06808

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	68.07728	20.0	44333667.0	0.068077	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 Calibration End Date: 12/21/2023 13:46 Calibration ID: 95538

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0320					Ave		0.0320						20.0			
PCB-1262 Peak 2	0.0386					Ave		0.0386						20.0			
PCB-1262 Peak 3	0.0601					Ave		0.0601						20.0			
PCB-1262 Peak 4	0.0572					Ave		0.0572						20.0			
PCB-1262 Peak 5	0.1326					Ave		0.1326						20.0			
PCB-1262 Peak 6	0.0224					Ave		0.0224						20.0			
PCB-1262 Peak 7	0.0539					Ave		0.0539						20.0			
PCB-1262 Peak 8	0.0186					Ave		0.0186						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 | Calibration End Date: 12/21/2023 13:46 | Calibration ID: 95538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	76162496					1000				
PCB-1262 Peak 2	BNB	Ave	91833284					1000				
PCB-1262 Peak 3	BNB	Ave	143042847					1000				
PCB-1262 Peak 4	BNB	Ave	136136821					1000				
PCB-1262 Peak 5	BNB	Ave	315654511					1000				
PCB-1262 Peak 6	BNB	Ave	53229817					1000				
PCB-1262 Peak 7	BNB	Ave	128405514					1000				
PCB-1262 Peak 8	BNB	Ave	44369653					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:46:48 ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:27 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:16:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	47606359	20.0	20.0	
2	1.228	1.228	0.000	43525586	20.0	20.0	M
						RPD = 0.00	
9 PCB-1262							M
1	6.348	6.348	0.000	76162496	1000.0	1000.0	M
1	6.678	6.678	0.000	91833284	1000.0	1000.0	M
1	7.455	7.455	0.000	143042847	1000.0	1000.0	M
1	8.017	8.017	0.000	136136821	1000.0	1000.0	M
1	8.544	8.544	0.000	315654511	1000.0	1000.0	M
1	10.018	10.018	0.000	53229817	1000.0	1000.0	
1	10.233	10.233	0.000	128405514	1000.0	1000.0	
1	10.591	10.591	0.000	44369653	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.026	5.026	0.000	93077365	1000.0	1000.0	
2	6.165	6.165	0.000	217540550	1000.0	1000.0	
2	6.628	6.628	0.000	352079939	1000.0	1000.0	
2	7.070	7.070	0.000	113377891	1000.0	1000.0	
2	7.220	7.220	0.000	149132494	1000.0	1000.0	
2	7.710	7.710	0.000	56651470	1000.0	1000.0	
2	8.228	8.228	0.000	135158832	1000.0	1000.0	
2	8.829	8.829	0.000	48084099	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

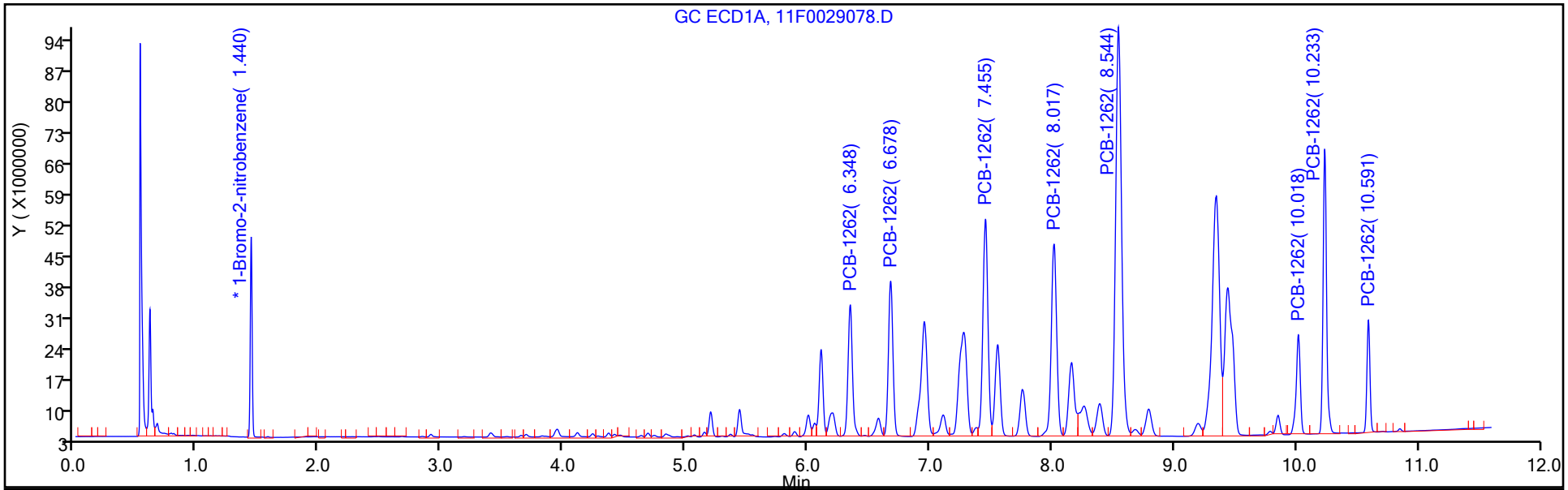
SG1262L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

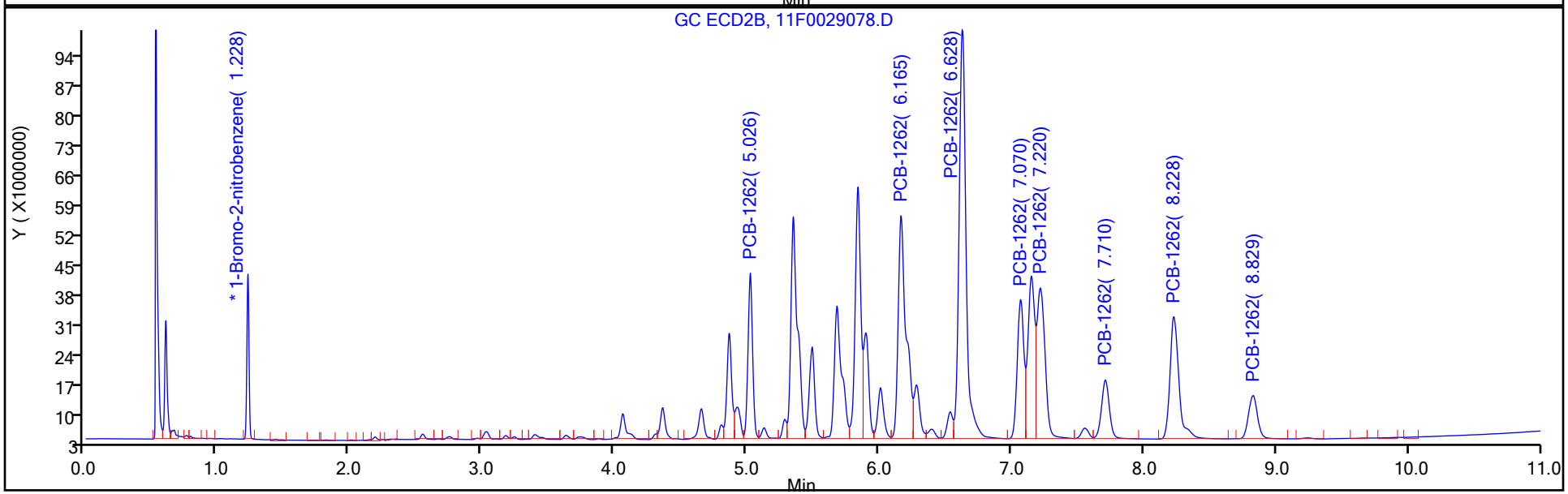
Report Date: 21-Dec-2023 14:24:28 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D

Injection Date:	21-Dec-2023 13:46:48	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





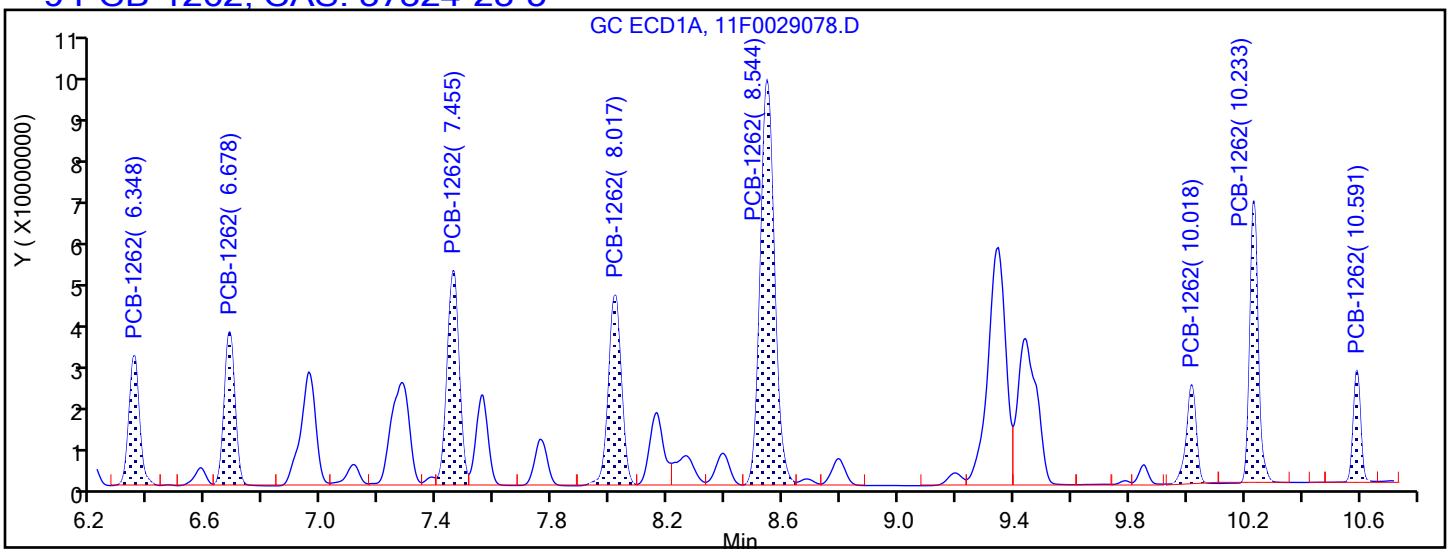
3/27/2024
12:01:22 PM

Report Date: 21-Dec-2023 14:24:28 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

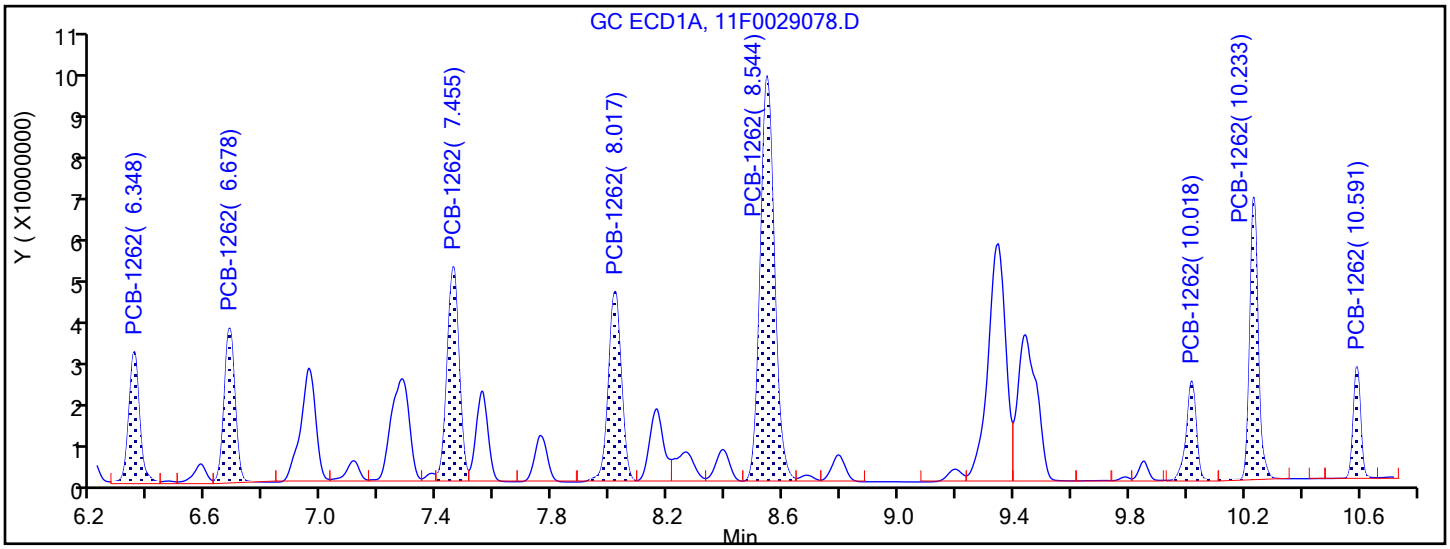
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Injection Date: 21-Dec-2023 13:46:48 Instrument ID: CPESTGC11
Lims ID: IC 1262
Client ID:
Operator ID: ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

9 PCB-1262, CAS: 37324-23-5



Processing Integration Results

6.348	Response = 76081844
6.678	Response = 91575285
7.455	Response = 142477499
8.017	Response = 134999609
8.544	Response = 314219564
10.018	Response = 53229817
10.233	Response = 128405514
10.591	Response = 44369653



Manual Integration Results

6.348	Response = 76162496	M
6.678	Response = 91833284	M
7.455	Response = 143042847	M
8.017	Response = 136136821	M
8.544	Response = 315654511	M
10.018	Response = 53229817	

Calibration / PCB-1262 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

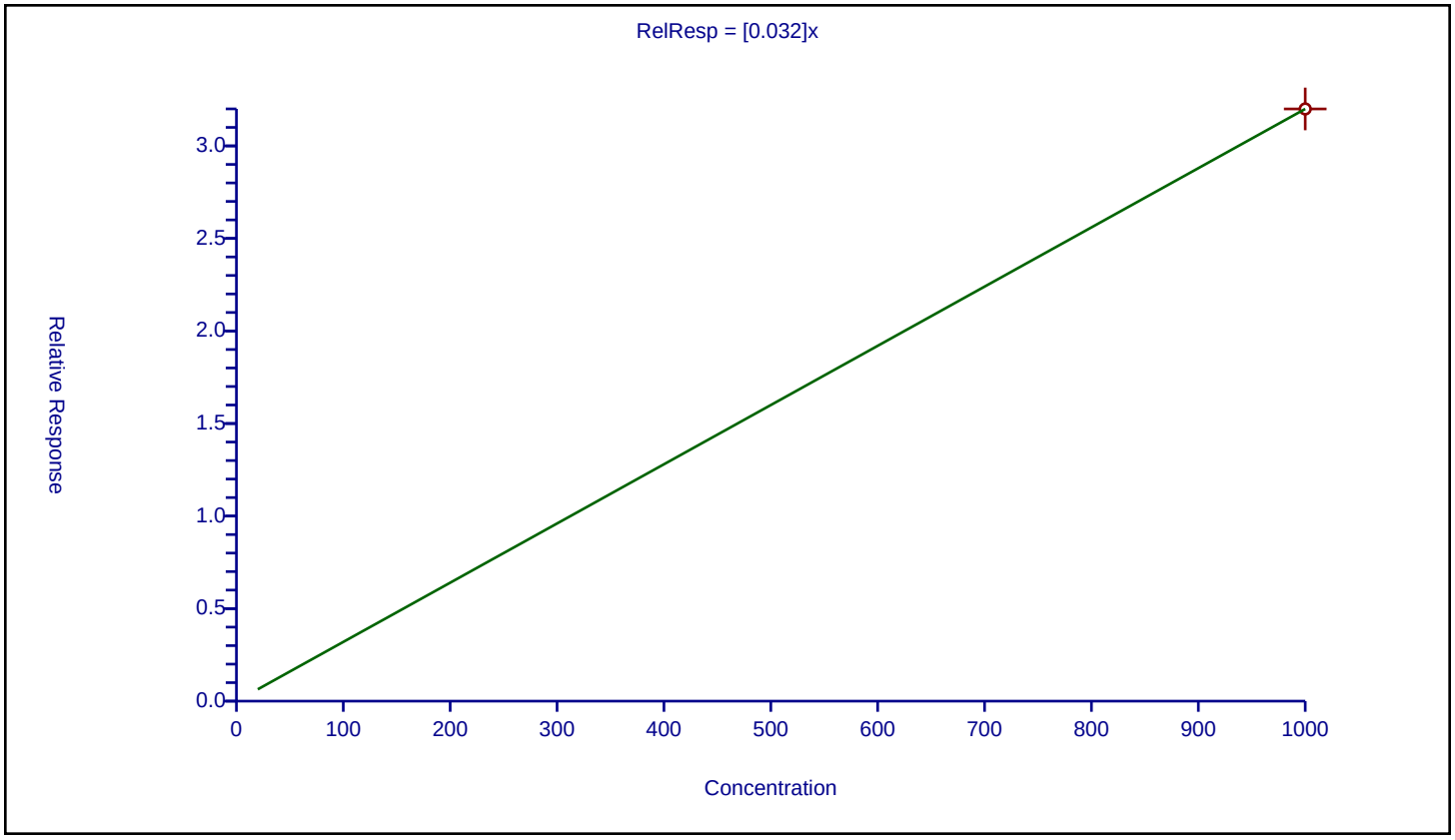
Curve Coefficients

Intercept:	0
Slope:	0.032

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	31.996774	20.0	47606359.0	0.031997	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

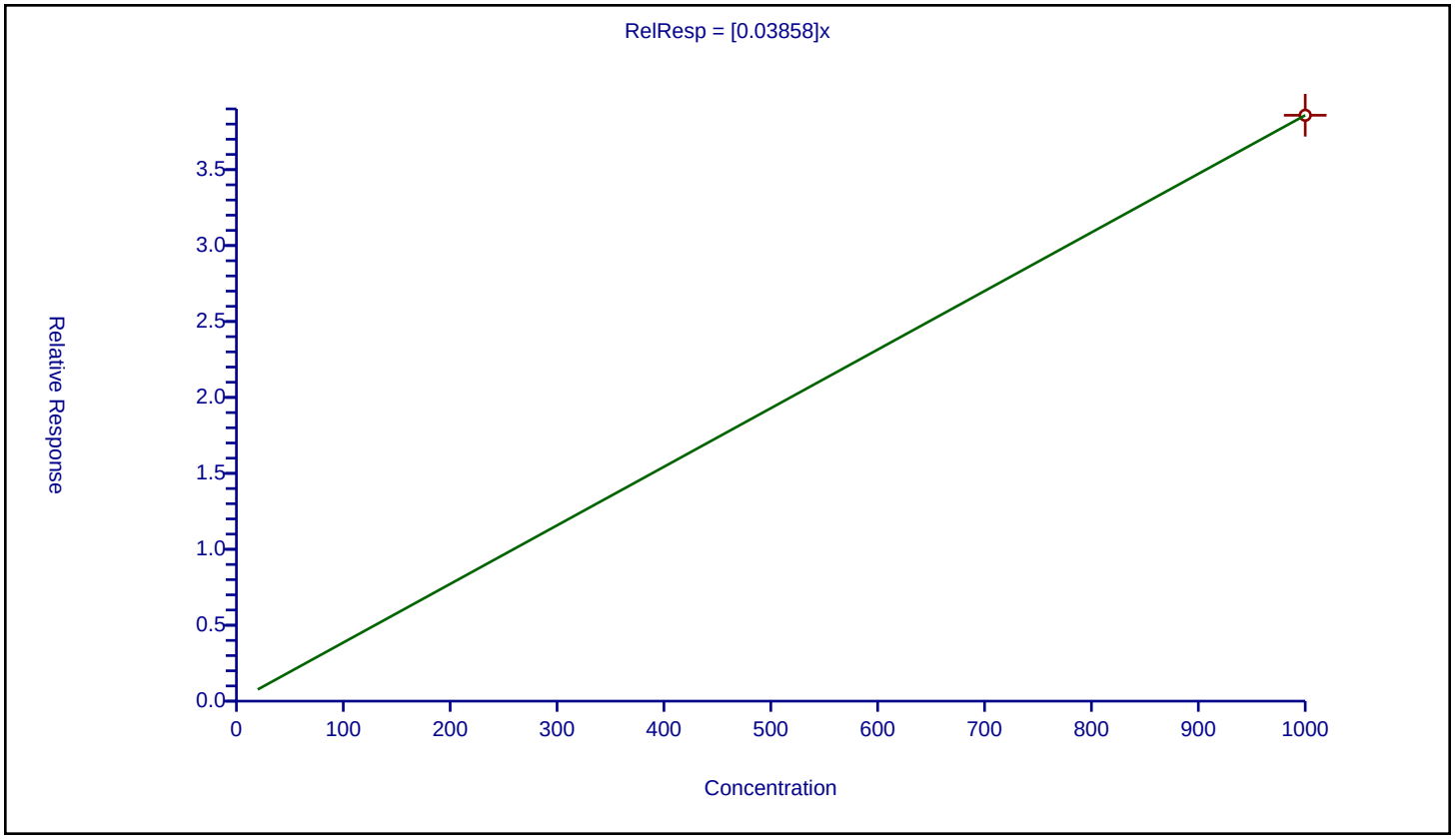
Curve Coefficients

Intercept:	0
Slope:	0.03858

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	38.580259	20.0	47606359.0	0.03858	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

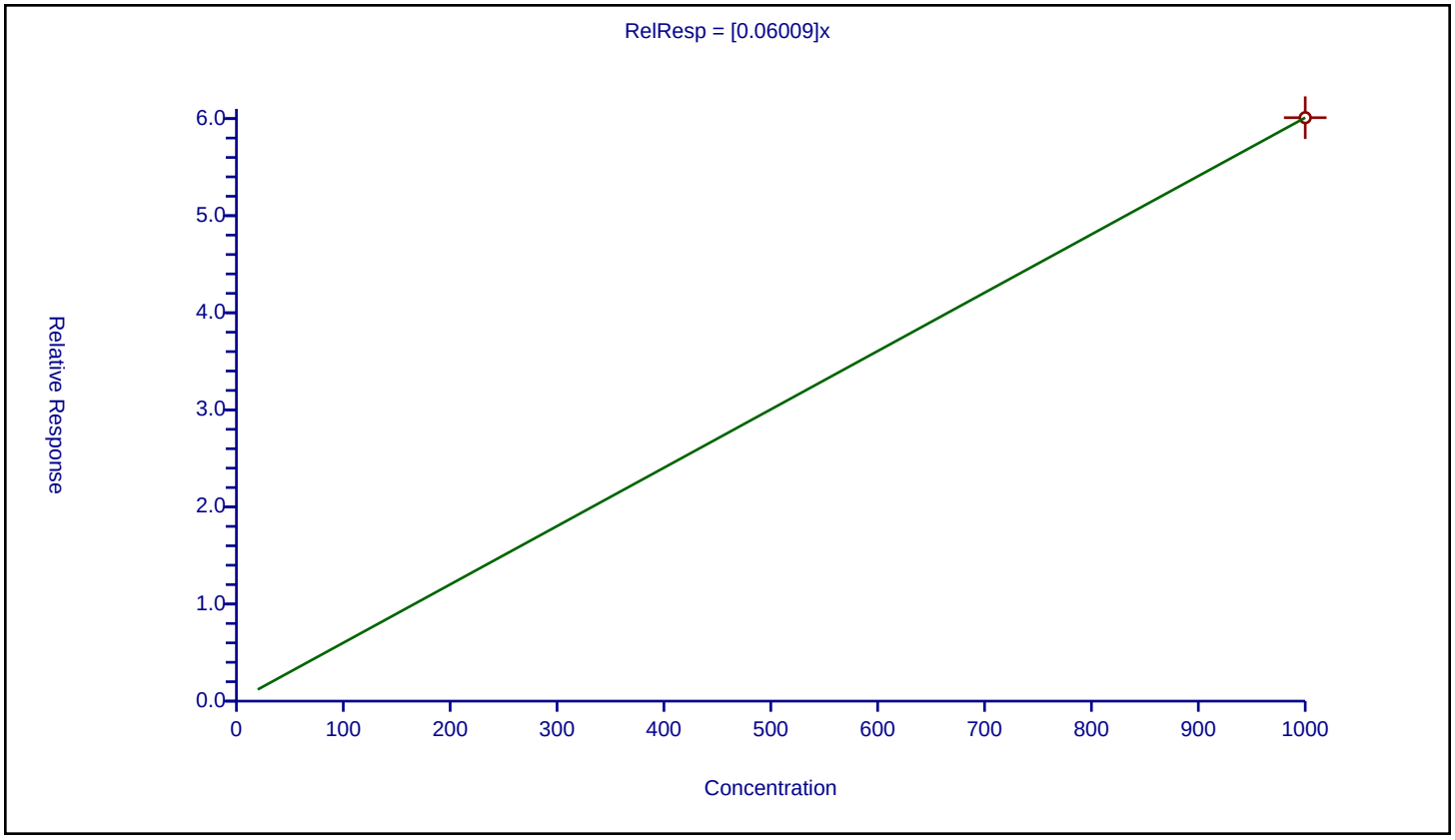
Curve Coefficients

Intercept:	0
Slope:	0.06009

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	60.094008	20.0	47606359.0	0.060094	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

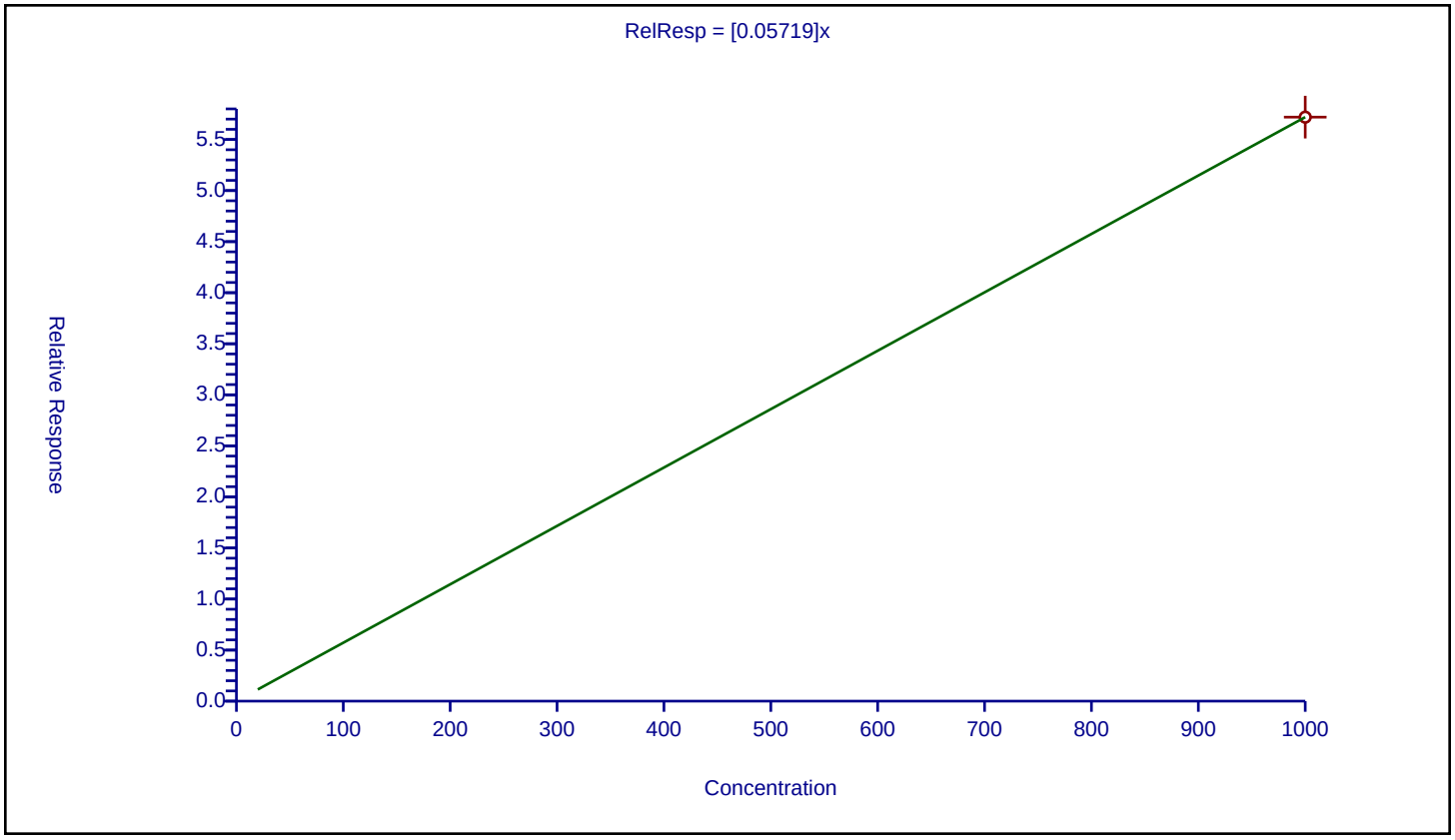
Curve Coefficients

Intercept:	0
Slope:	0.05719

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	57.192704	20.0	47606359.0	0.057193	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

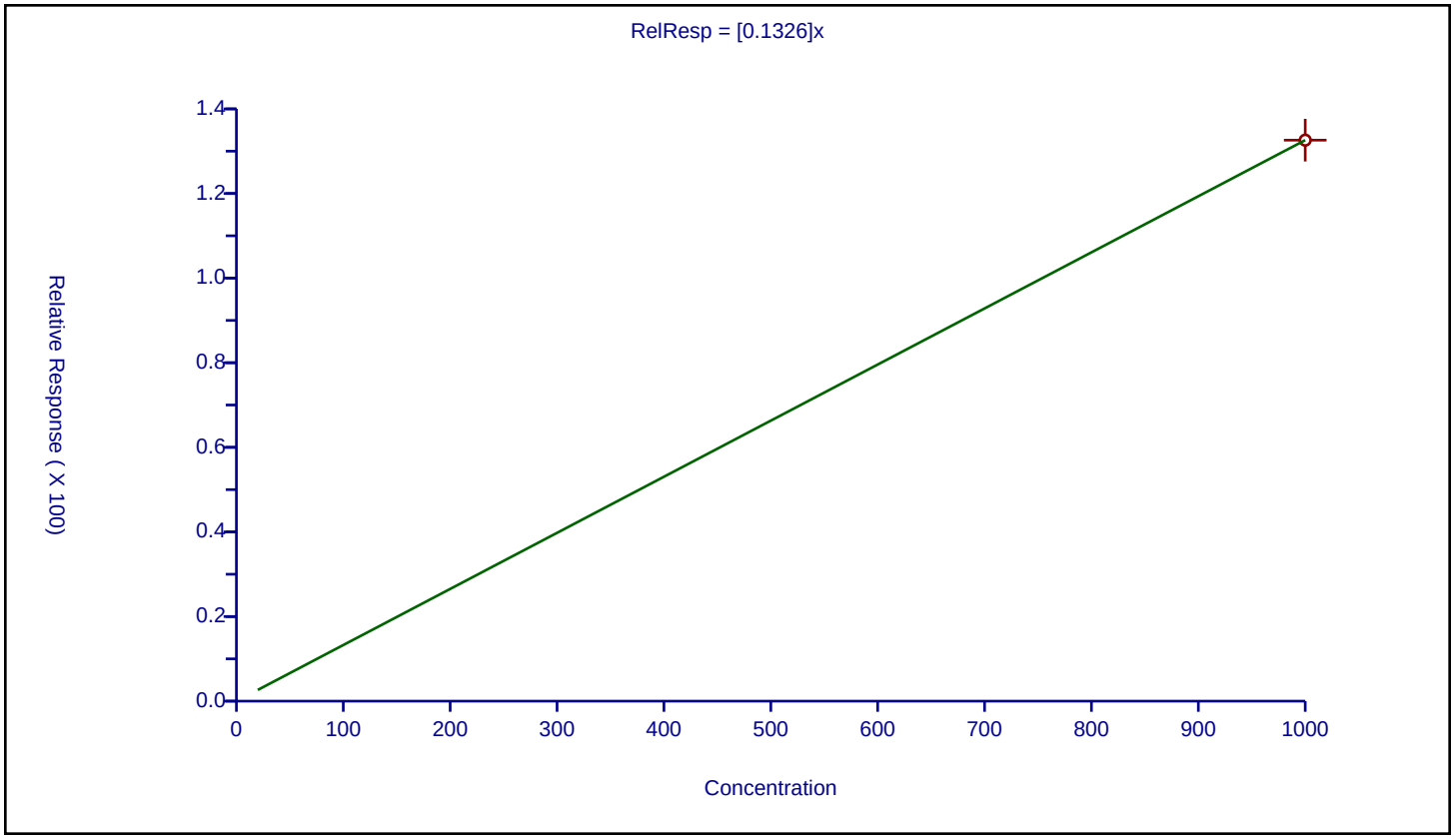
Curve Coefficients

Intercept:	0
Slope:	0.1326

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	132.61023	20.0	47606359.0	0.13261	Y



Calibration / PCB-1262 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

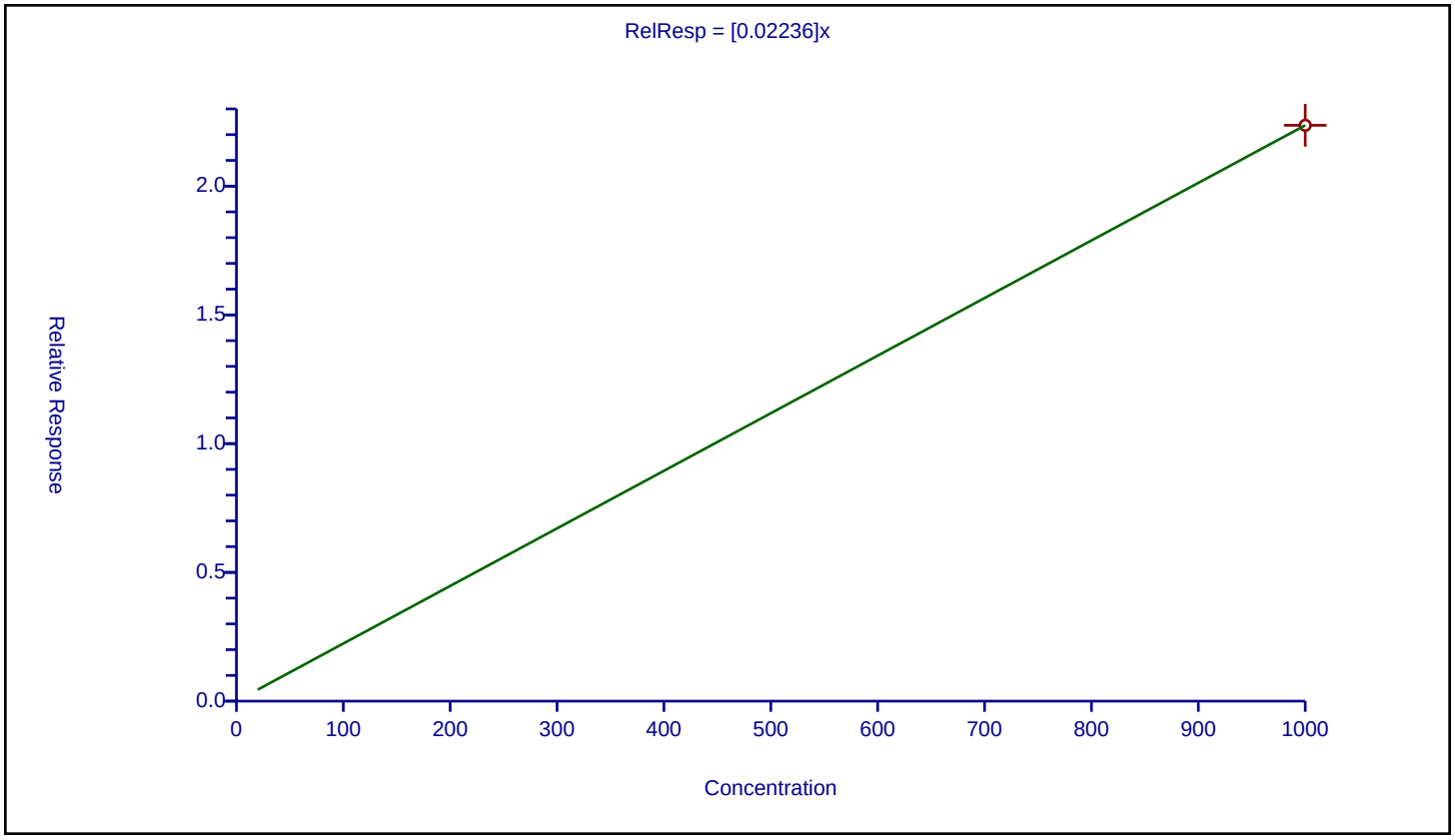
Curve Coefficients

Intercept:	0
Slope:	0.02236

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	22.362482	20.0	47606359.0	0.022362	Y



Calibration / PCB-1262 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

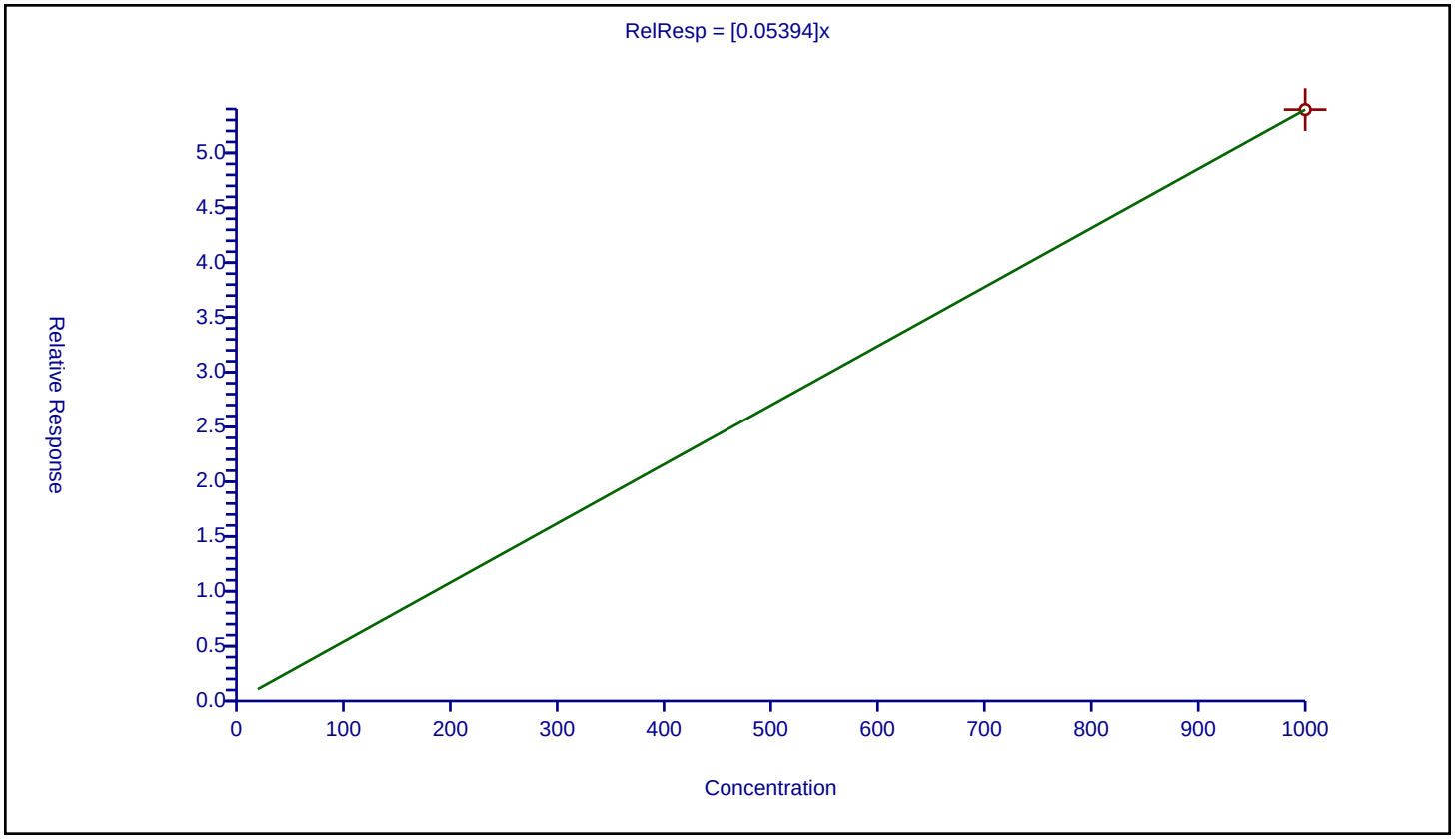
Curve Coefficients

Intercept:	0
Slope:	0.05394

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	53.94469	20.0	47606359.0	0.053945	Y



Calibration / PCB-1262 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

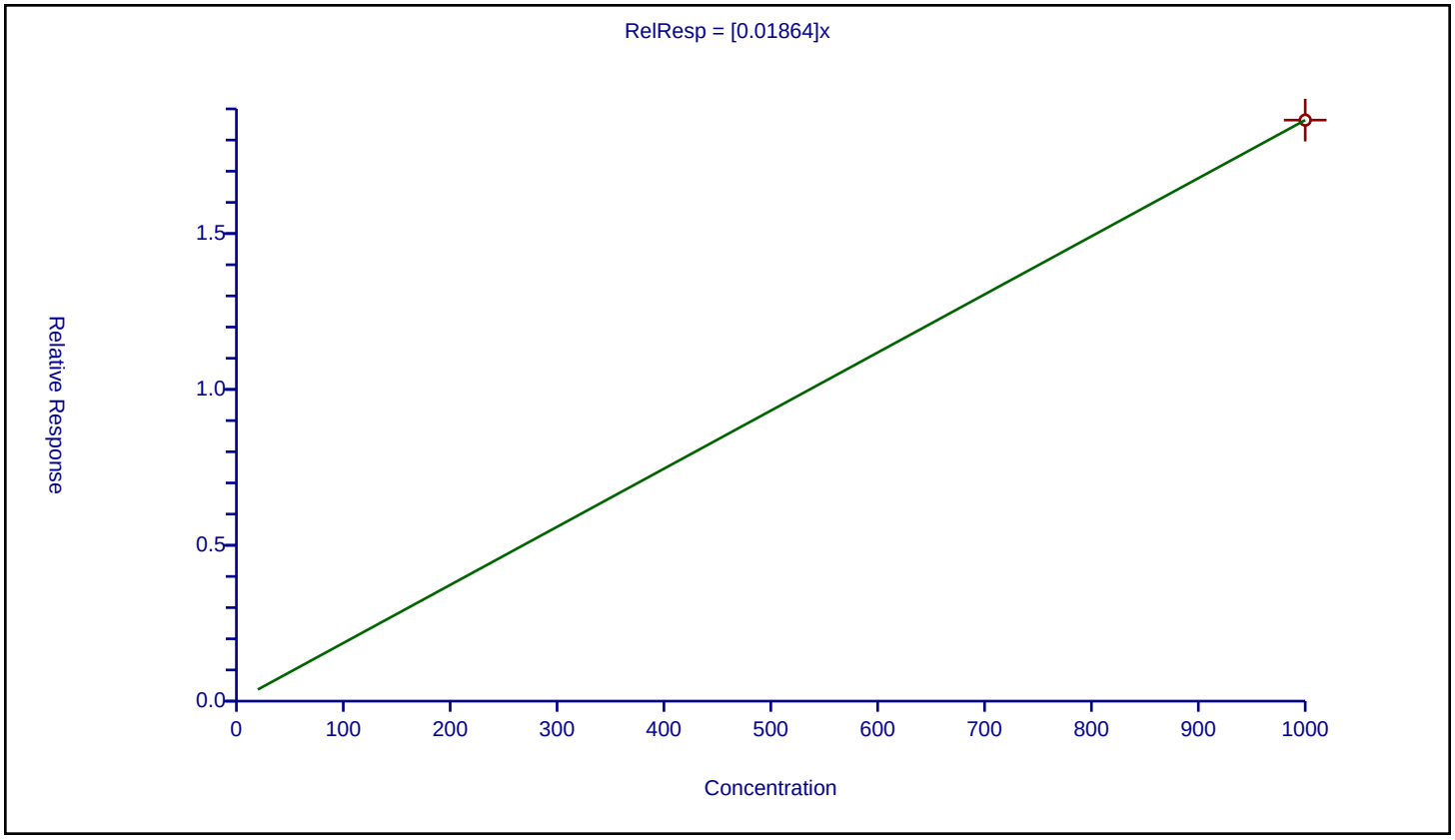
Curve Coefficients

Intercept:	0
Slope:	0.01864

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	18.640221	20.0	47606359.0	0.01864	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 Calibration End Date: 12/21/2023 13:46 Calibration ID: 95539

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0428					Ave		0.0428						20.0			
PCB-1262 Peak 2	0.1000					Ave		0.1000						20.0			
PCB-1262 Peak 3	0.1618					Ave		0.1618						20.0			
PCB-1262 Peak 4	0.0521					Ave		0.0521						20.0			
PCB-1262 Peak 5	0.0685					Ave		0.0685						20.0			
PCB-1262 Peak 6	0.0260					Ave		0.0260						20.0			
PCB-1262 Peak 7	0.0621					Ave		0.0621						20.0			
PCB-1262 Peak 8	0.0221					Ave		0.0221						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 | Calibration End Date: 12/21/2023 13:46 | Calibration ID: 95539

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	93077365					1000				
PCB-1262 Peak 2	BNB	Ave	217540550					1000				
PCB-1262 Peak 3	BNB	Ave	352079939					1000				
PCB-1262 Peak 4	BNB	Ave	113377891					1000				
PCB-1262 Peak 5	BNB	Ave	149132494					1000				
PCB-1262 Peak 6	BNB	Ave	56651470					1000				
PCB-1262 Peak 7	BNB	Ave	135158832					1000				
PCB-1262 Peak 8	BNB	Ave	48084099					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:46:48 ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:27 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:16:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	47606359	20.0	20.0	
2	1.228	1.228	0.000	43525586	20.0	20.0	M
						RPD = 0.00	
9 PCB-1262							M
1	6.348	6.348	0.000	76162496	1000.0	1000.0	M
1	6.678	6.678	0.000	91833284	1000.0	1000.0	M
1	7.455	7.455	0.000	143042847	1000.0	1000.0	M
1	8.017	8.017	0.000	136136821	1000.0	1000.0	M
1	8.544	8.544	0.000	315654511	1000.0	1000.0	M
1	10.018	10.018	0.000	53229817	1000.0	1000.0	
1	10.233	10.233	0.000	128405514	1000.0	1000.0	
1	10.591	10.591	0.000	44369653	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.026	5.026	0.000	93077365	1000.0	1000.0	
2	6.165	6.165	0.000	217540550	1000.0	1000.0	
2	6.628	6.628	0.000	352079939	1000.0	1000.0	
2	7.070	7.070	0.000	113377891	1000.0	1000.0	
2	7.220	7.220	0.000	149132494	1000.0	1000.0	
2	7.710	7.710	0.000	56651470	1000.0	1000.0	
2	8.228	8.228	0.000	135158832	1000.0	1000.0	
2	8.829	8.829	0.000	48084099	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags
M - Manually Integrated

Reagents:

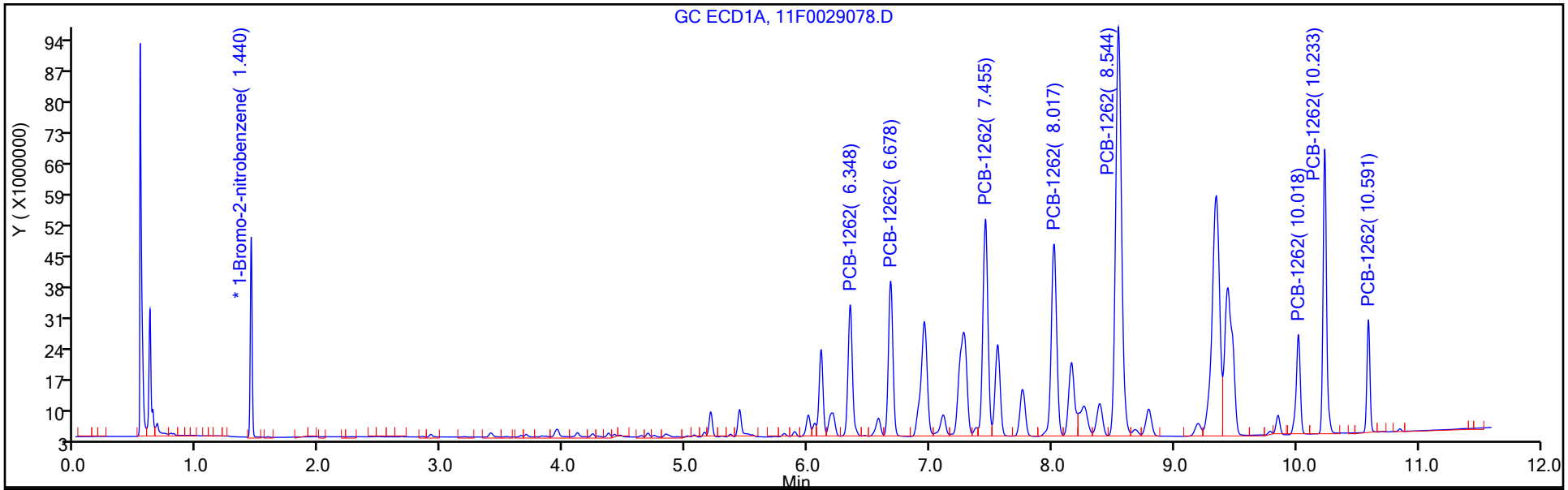
SG1262L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

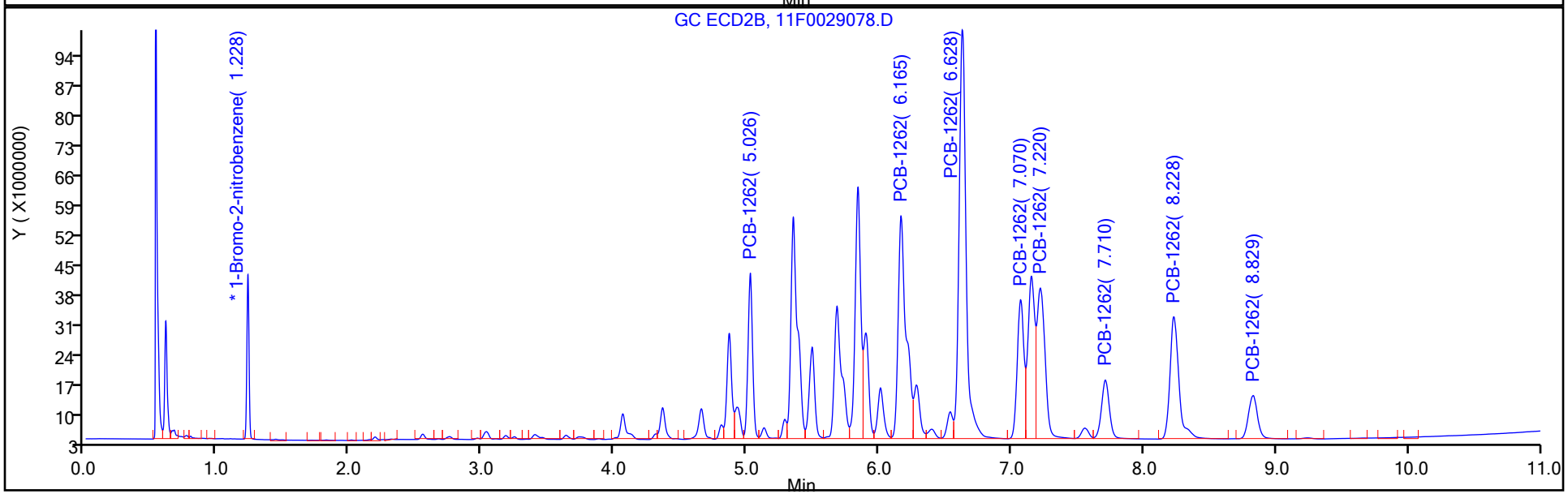
Report Date: 21-Dec-2023 14:24:29 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D

Injection Date:	21-Dec-2023 13:46:48	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Manual Integration/User Assign Peak Report

Eurofins Edison

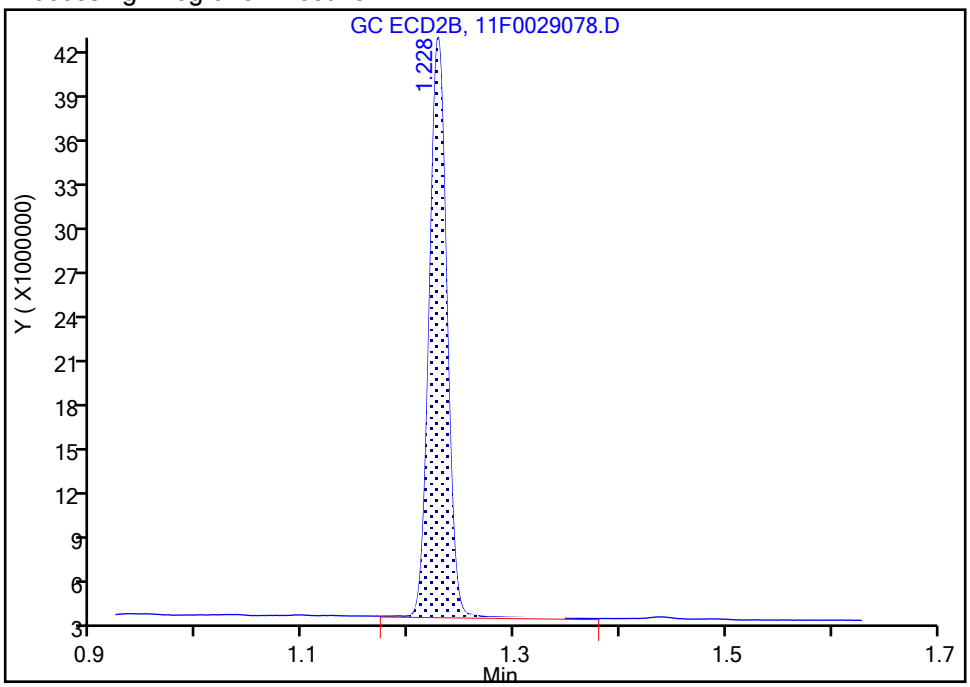
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Injection Date: 21-Dec-2023 13:46:48 Instrument ID: CPESTGC11
Lims ID: IC 1262
Client ID:
Operator ID: ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

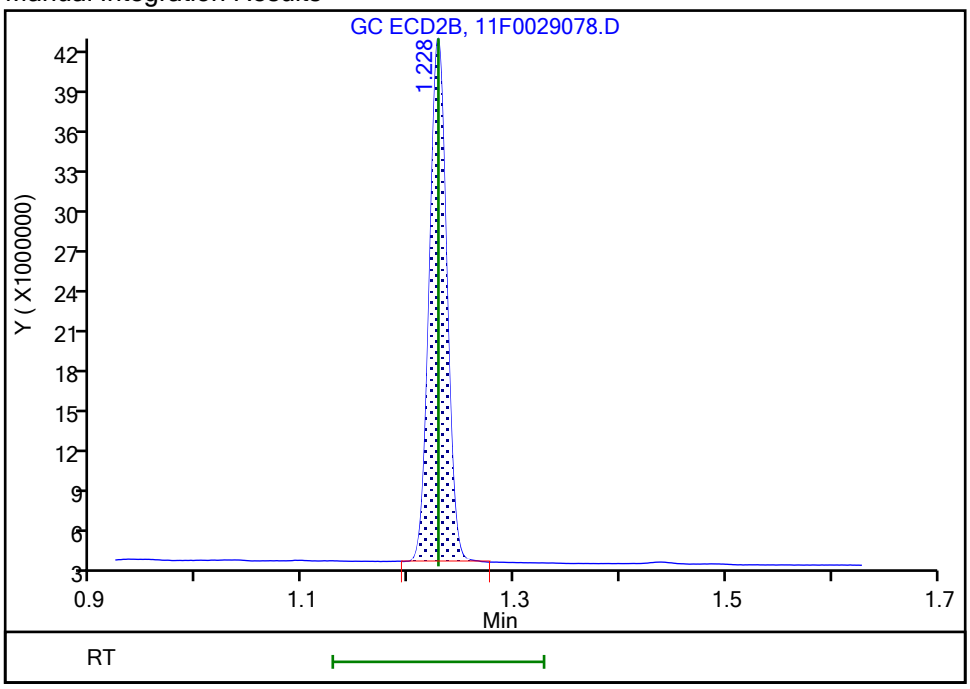
Processing Integration Results

RT: 1.23
Area: 44280714
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 43525586
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 14:16:27 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Calibration / PCB-1262 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

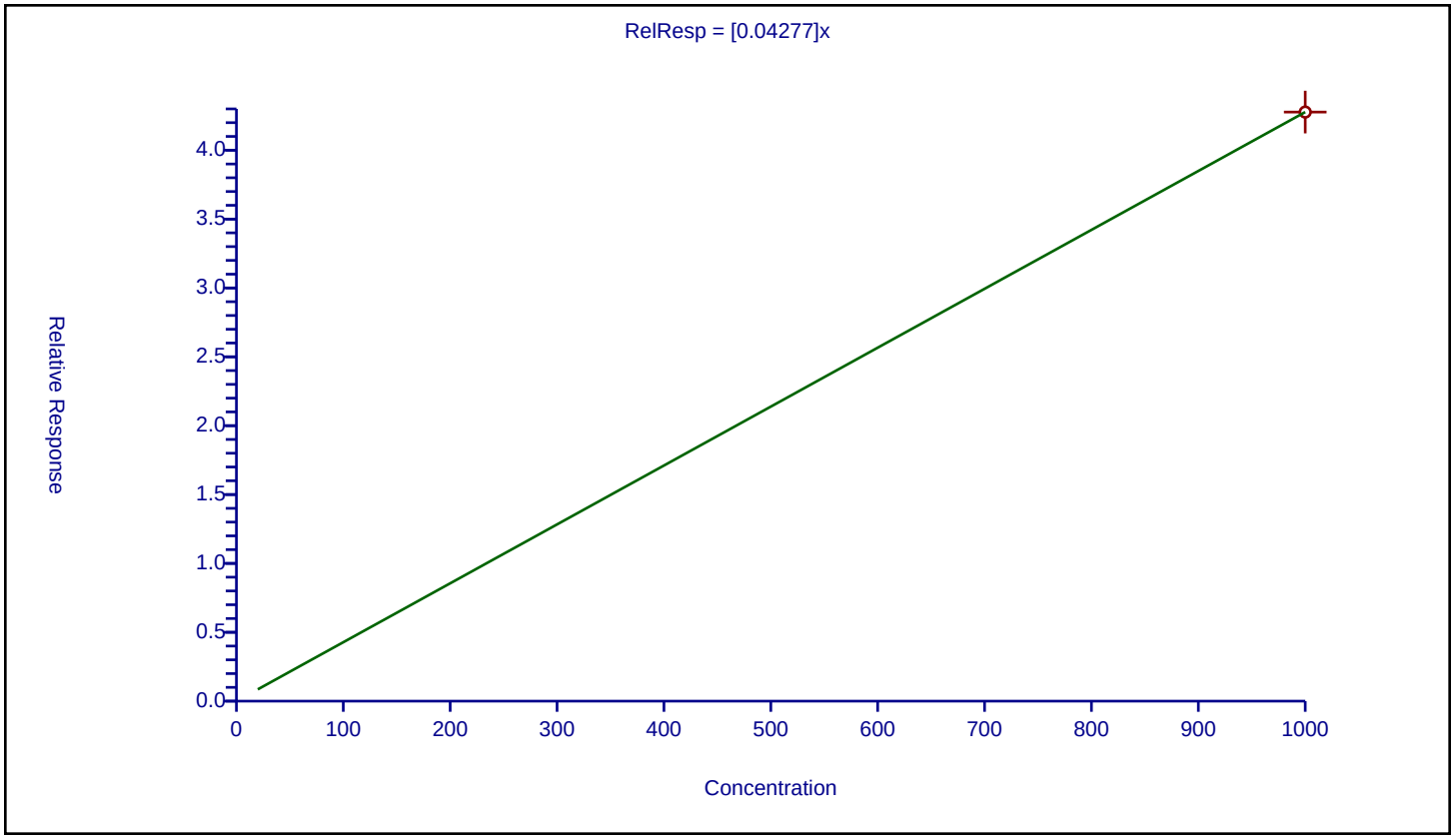
Curve Coefficients

Intercept:	0
Slope:	0.04277

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	42.769035	20.0	43525586.0	0.042769	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

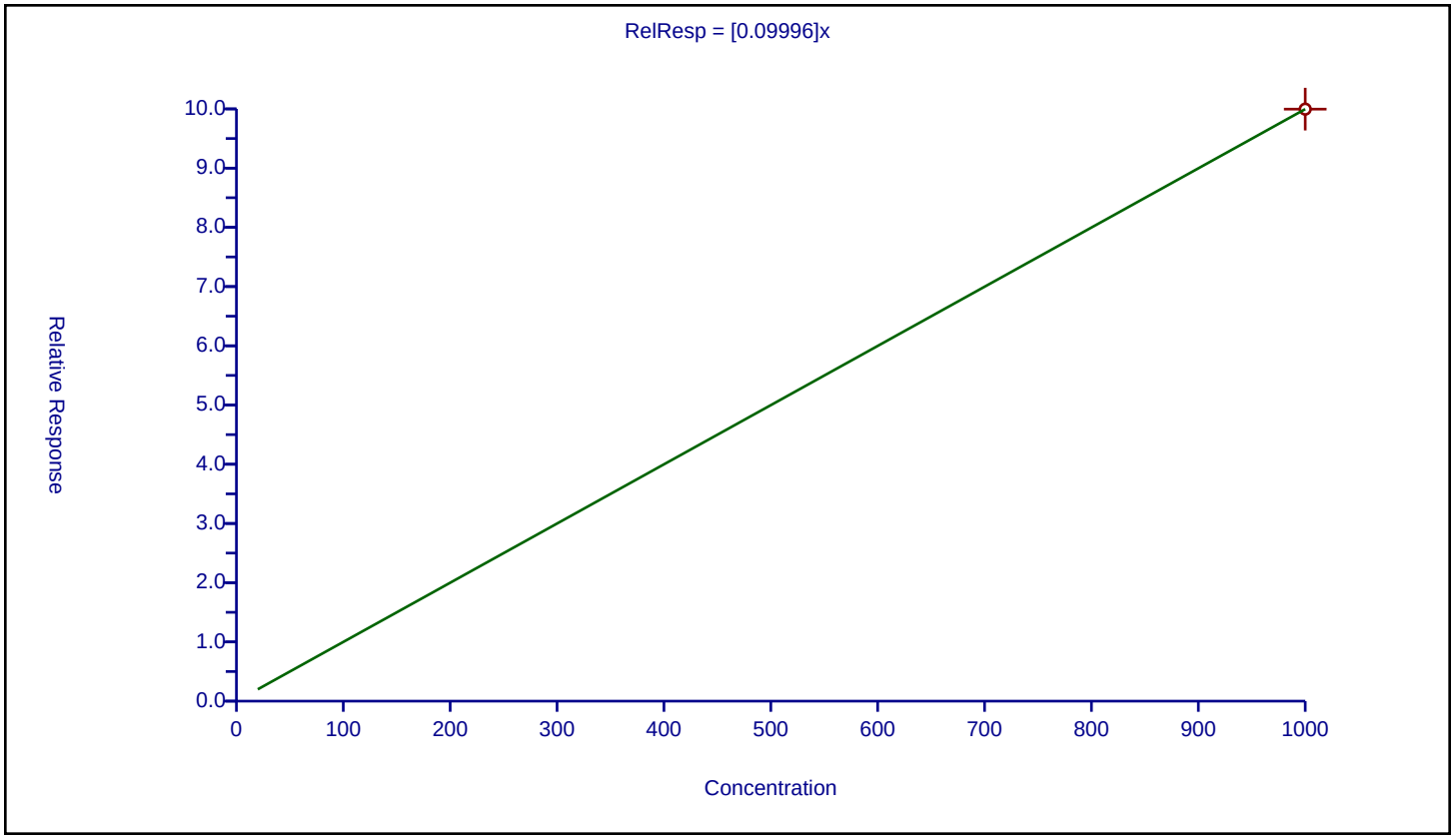
Curve Coefficients

Intercept:	0
Slope:	0.09996

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	99.959849	20.0	43525586.0	0.09996	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

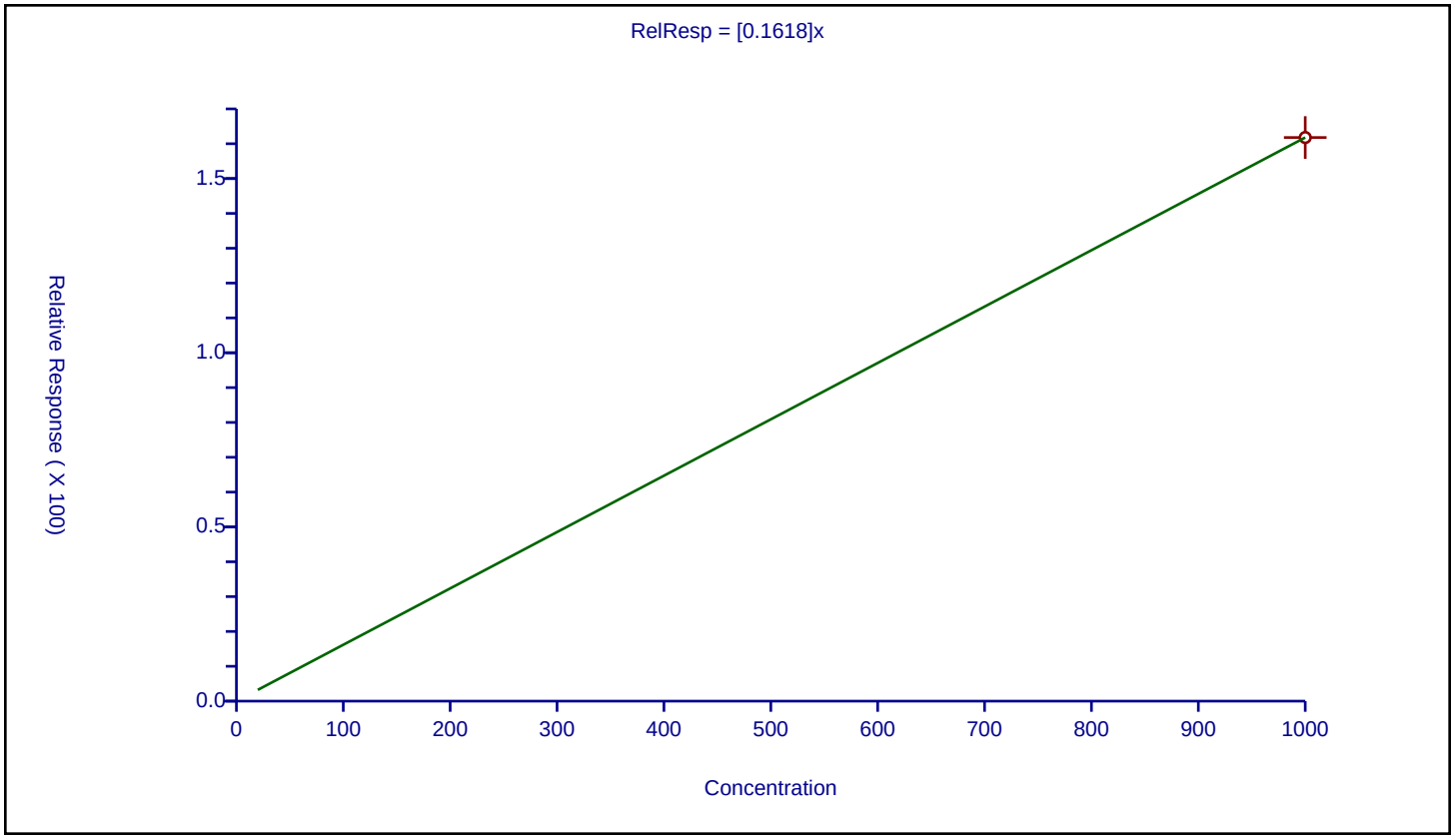
Curve Coefficients

Intercept:	0
Slope:	0.1618

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	161.780677	20.0	43525586.0	0.161781	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

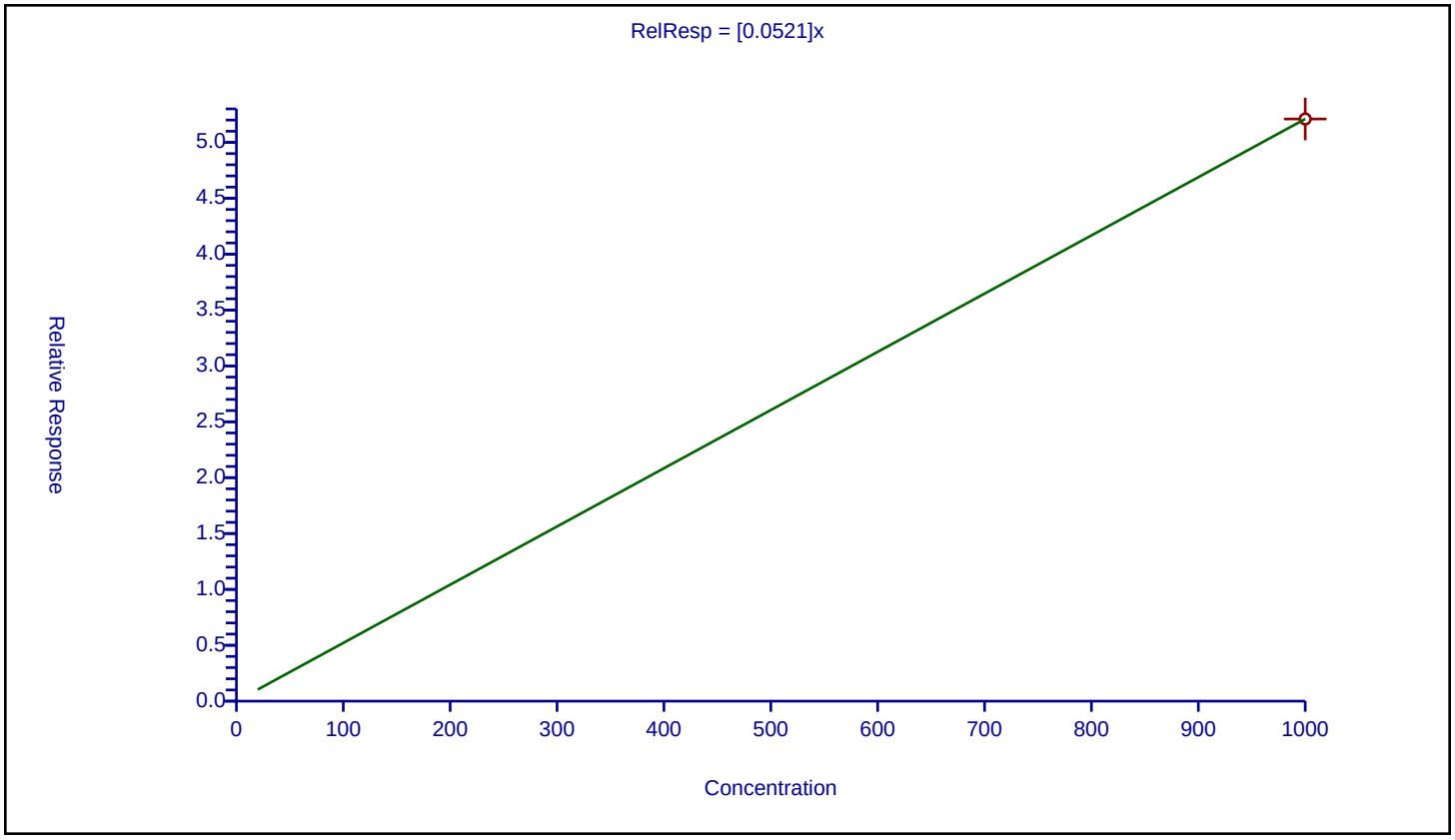
Curve Coefficients

Intercept:	0
Slope:	0.0521

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	52.097123	20.0	43525586.0	0.052097	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

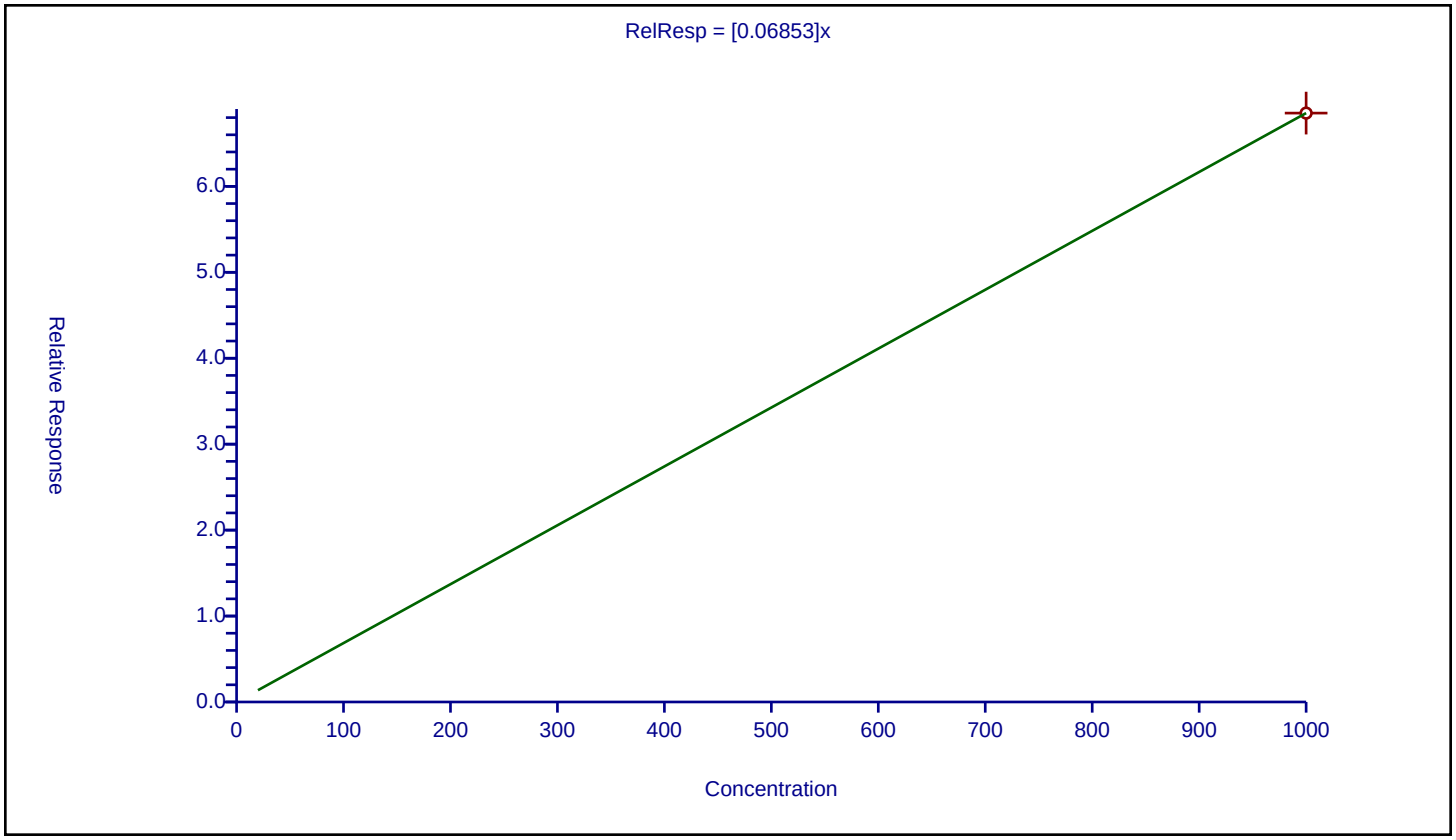
Curve Coefficients

Intercept:	0
Slope:	0.06853

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	68.526358	20.0	43525586.0	0.068526	Y



Calibration / PCB-1262 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

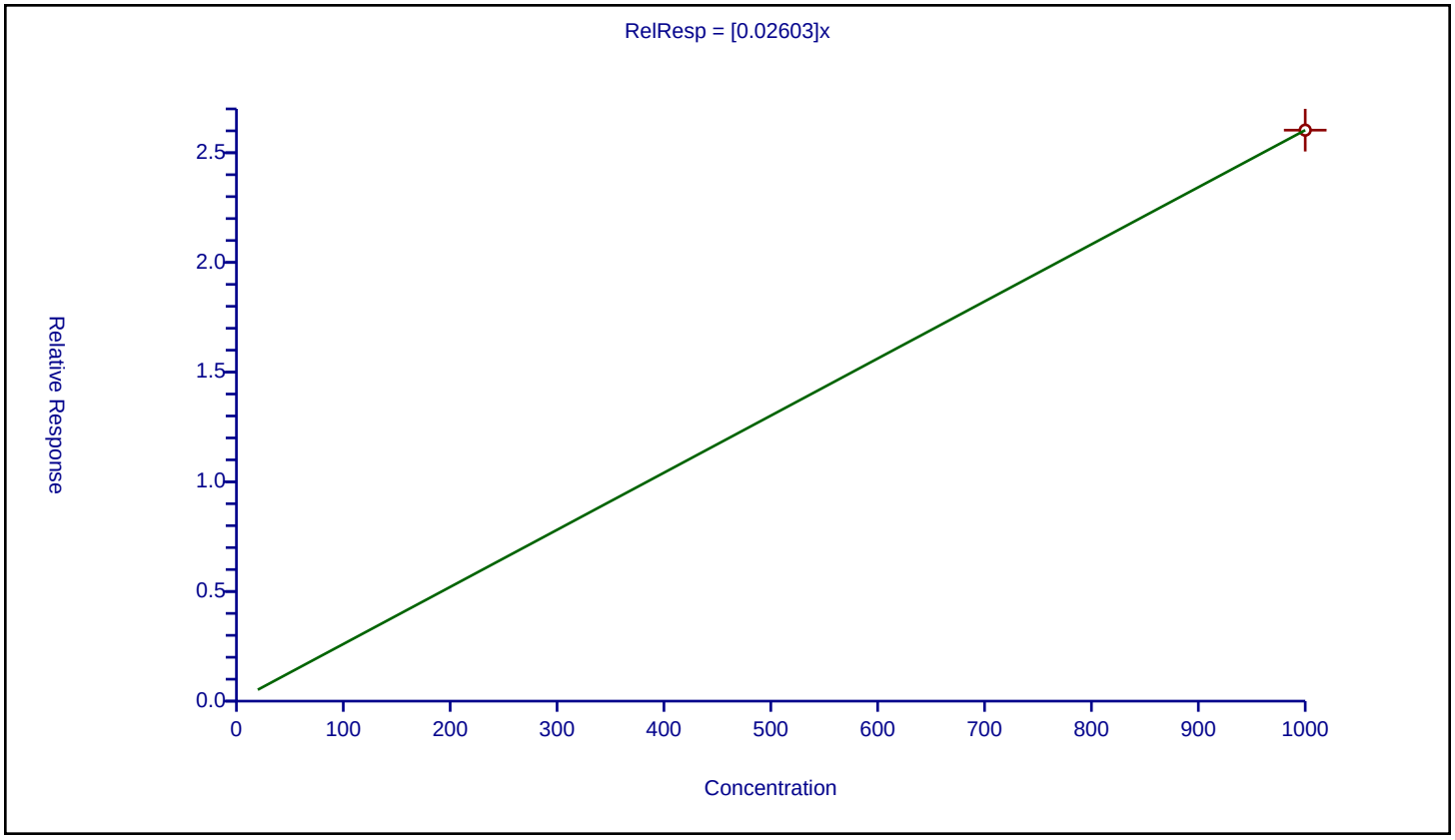
Curve Coefficients

Intercept:	0
Slope:	0.02603

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	26.031342	20.0	43525586.0	0.026031	Y



Calibration / PCB-1262 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

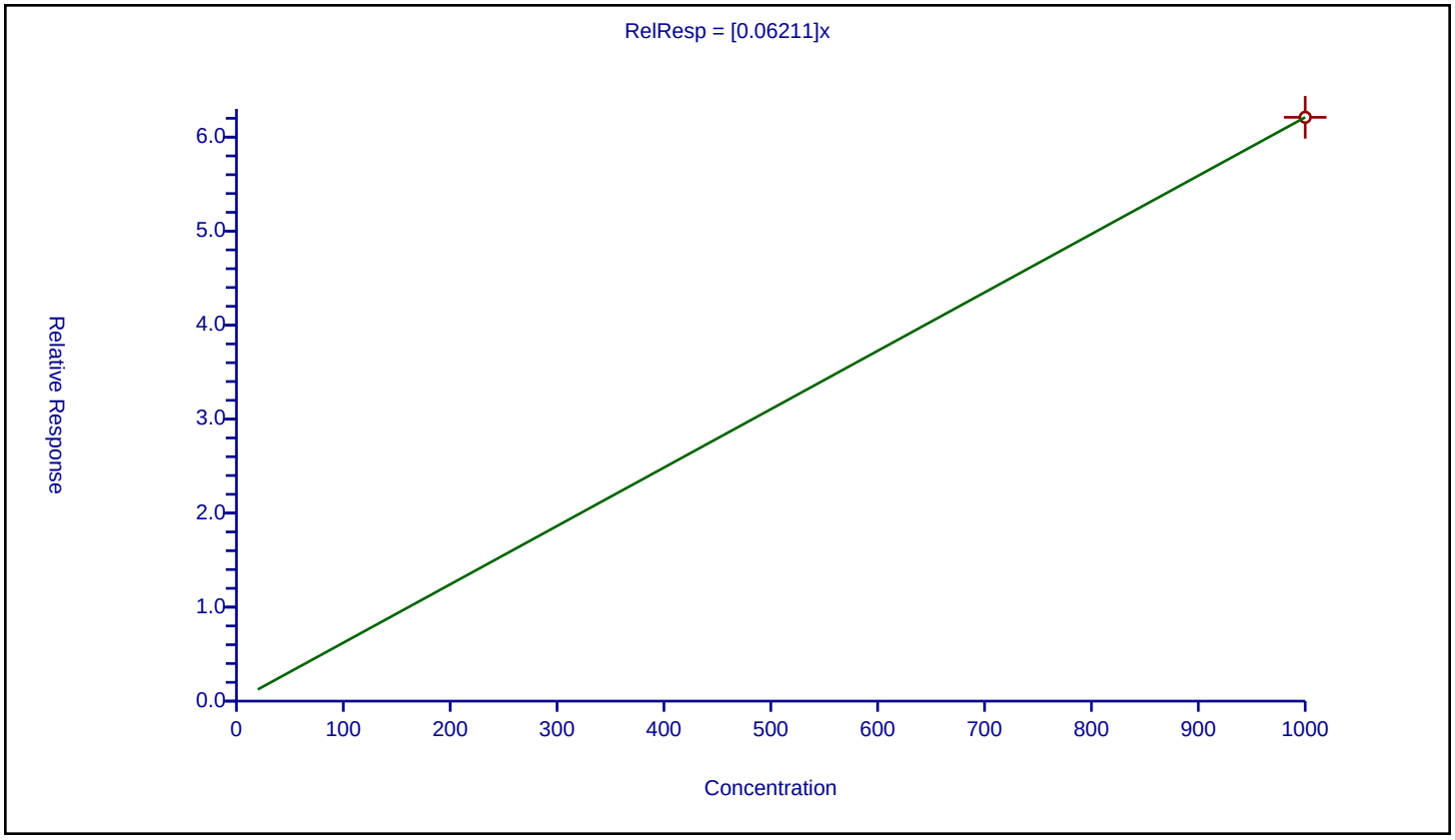
Curve Coefficients

Intercept:	0
Slope:	0.06211

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	62.105462	20.0	43525586.0	0.062105	Y



Calibration / PCB-1262 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

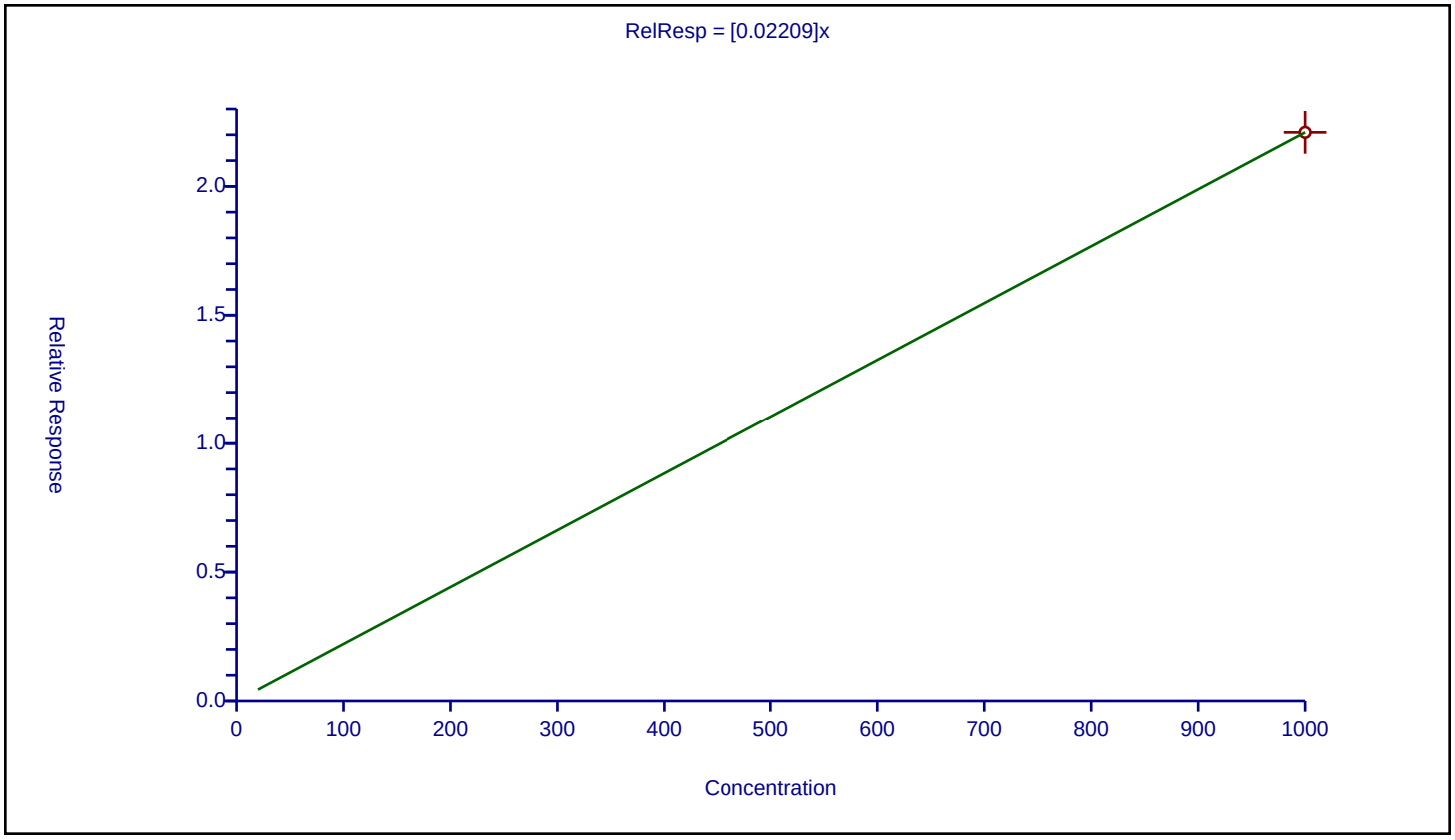
Curve Coefficients

Intercept:	0
Slope:	0.02209

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	22.094636	20.0	43525586.0	0.022095	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 Calibration End Date: 12/21/2023 14:03 Calibration ID: 95544

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0247					Ave		0.0247						20.0			
PCB-1268 Peak 2	0.0351					Ave		0.0351						20.0			
PCB-1268 Peak 3	0.1769					Ave		0.1769						20.0			
PCB-1268 Peak 4	0.1766					Ave		0.1766						20.0			
PCB-1268 Peak 5	0.1476					Ave		0.1476						20.0			
PCB-1268 Peak 6	0.0393					Ave		0.0393						20.0			
PCB-1268 Peak 7	0.0607					Ave		0.0607						20.0			
PCB-1268 Peak 8	0.4711					Ave		0.4711						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 | Calibration End Date: 12/21/2023 14:03 | Calibration ID: 95544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	61093551					1000				
PCB-1268 Peak 2	BNB	Ave	86989003					1000				
PCB-1268 Peak 3	BNB	Ave	437878073					1000				
PCB-1268 Peak 4	BNB	Ave	437096741					1000				
PCB-1268 Peak 5	BNB	Ave	365345679					1000				
PCB-1268 Peak 6	BNB	Ave	97203663					1000				
PCB-1268 Peak 7	BNB	Ave	150153988					1000				
PCB-1268 Peak 8	BNB	Ave	1166236049					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 14:03:31 ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:32 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:21:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49507891	20.0	20.0	
2	1.227	1.227	0.000	45332563	20.0	20.0	M
						RPD = 0.00	
10 PCB-1268							M
1	7.455	7.455	0.000	61093551	1000.0	1000.0	M
1	8.020	8.020	0.000	86989003	1000.0	1000.0	M
1	9.338	9.338	0.000	437878073	1000.0	1000.0	M
1	9.435	9.435	0.000	437096741	1000.0	1000.0	M
1	9.850	9.850	0.000	365345679	1000.0	1000.0	M
1	9.987	9.987	0.000	97203663	1000.0	1000.0	M
1	10.233	10.233	0.000	150153988	1000.0	1000.0	
1	10.592	10.592	0.000	1166236049	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.840	5.840	0.000	77603047	1000.0	1000.0	M
2	6.164	6.164	0.000	93329370	1000.0	1000.0	M
2	7.153	7.153	0.000	432950295	1000.0	1000.0	M
2	7.213	7.213	0.000	386101176	1000.0	1000.0	M
2	7.555	7.555	0.000	345020308	1000.0	1000.0	M
2	7.711	7.711	0.000	100828085	1000.0	1000.0	M
2	8.230	8.230	0.000	158349139	1000.0	1000.0	M
2	8.822	8.822	0.000	1134219122	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

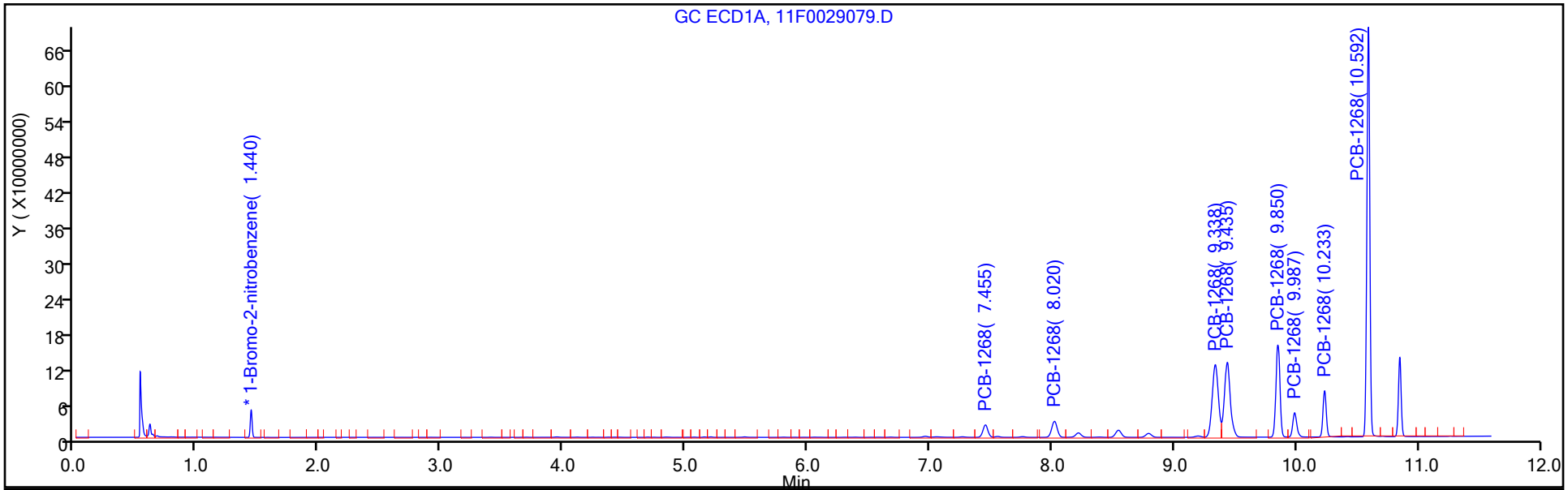
SG1268L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

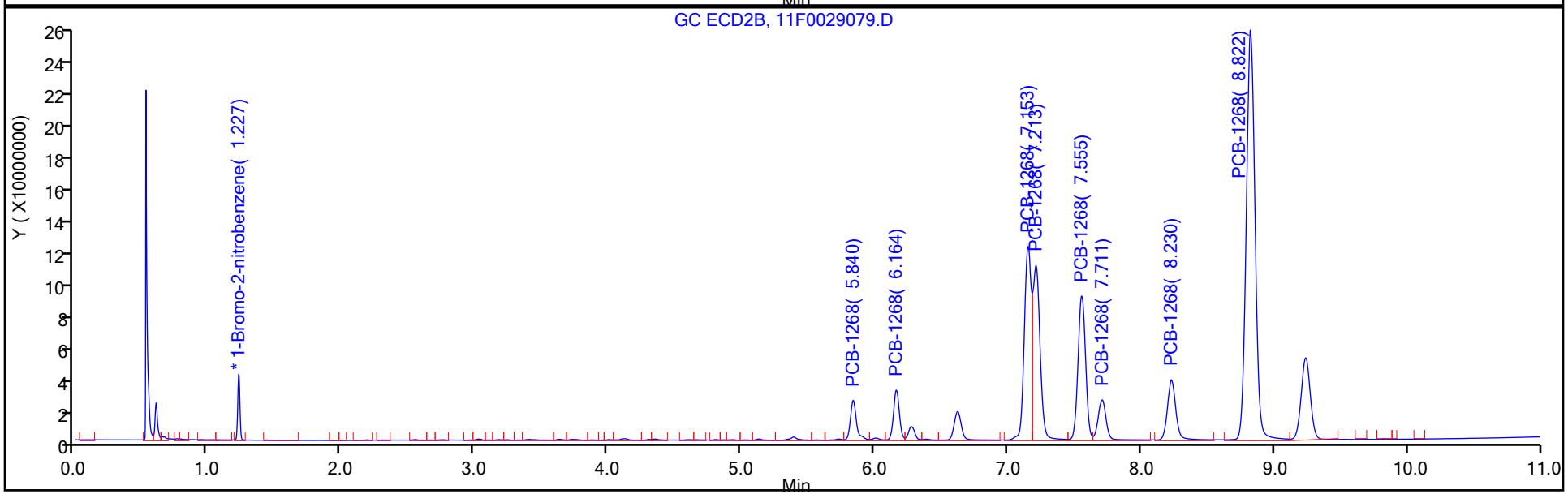
Report Date: 21-Dec-2023 14:24:32 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Injection Date:	21-Dec-2023 14:03:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





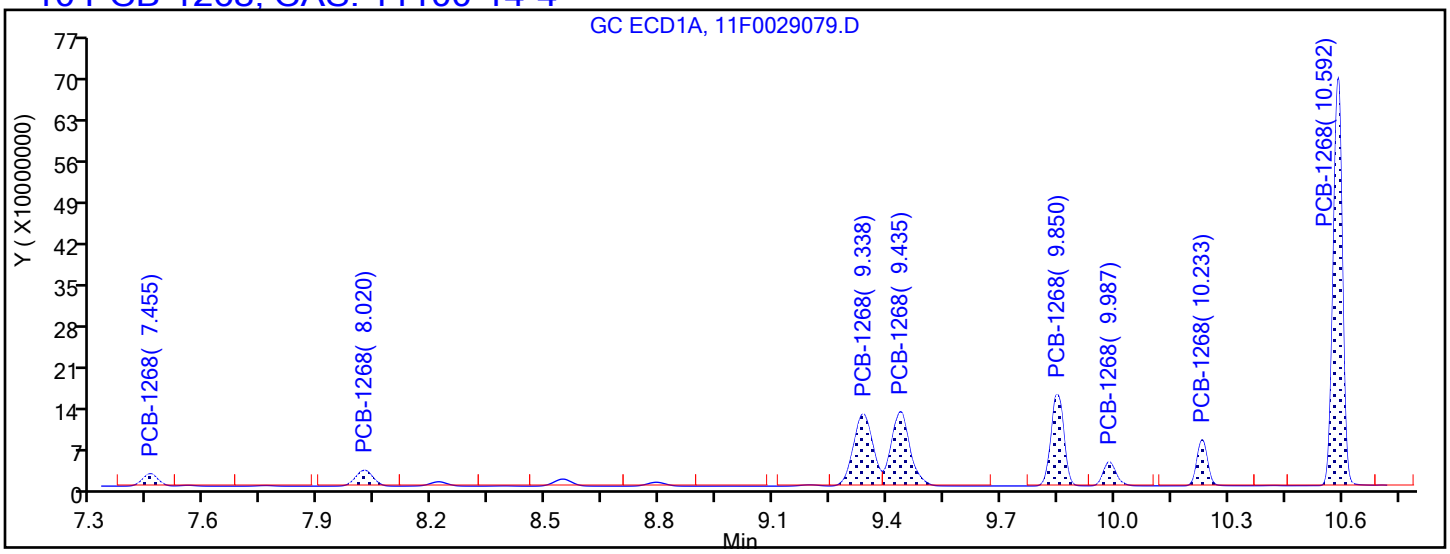
3/27/2024
12:01:22 PM

Report Date: 21-Dec-2023 14:24:33 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

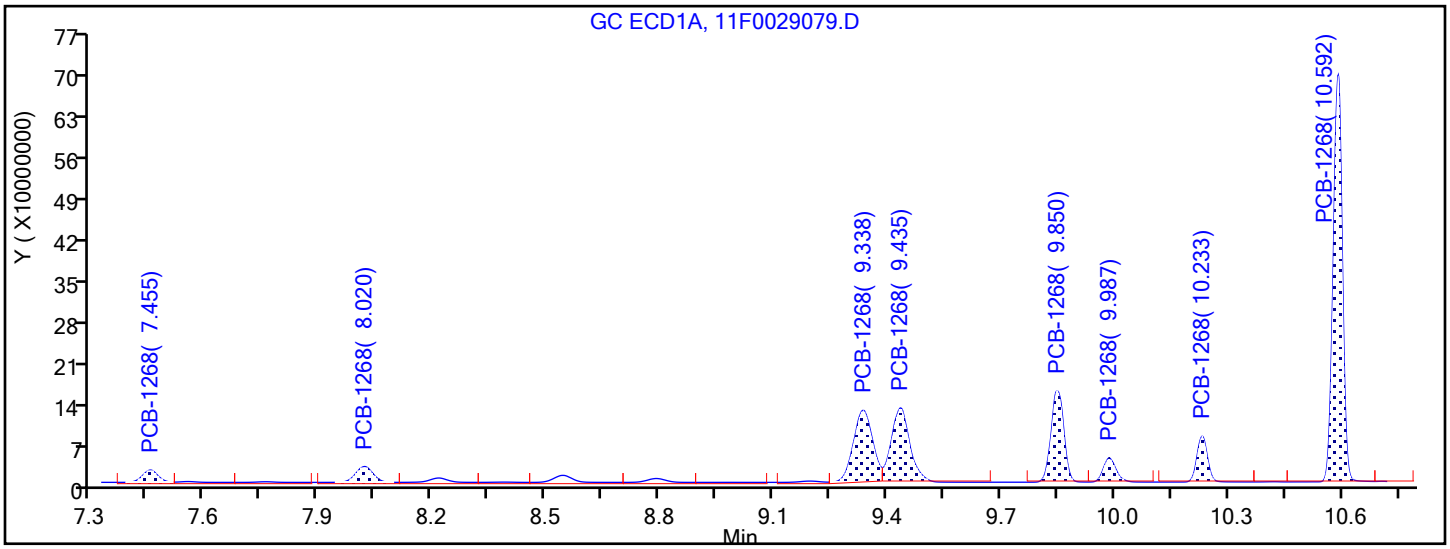
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results

7.455	Response = 60345501
8.020	Response = 86392339
9.338	Response = 435114322
9.435	Response = 434017864
9.850	Response = 364280429
9.987	Response = 96048467
10.233	Response = 150153988
10.592	Response = 1166236049



Manual Integration Results

7.455	Response = 61093551	M
8.020	Response = 86989003	M
9.338	Response = 437878073	M
9.435	Response = 437096741	M
9.850	Response = 365345679	M
9.987	Response = 97203663	M

Calibration / PCB-1268 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

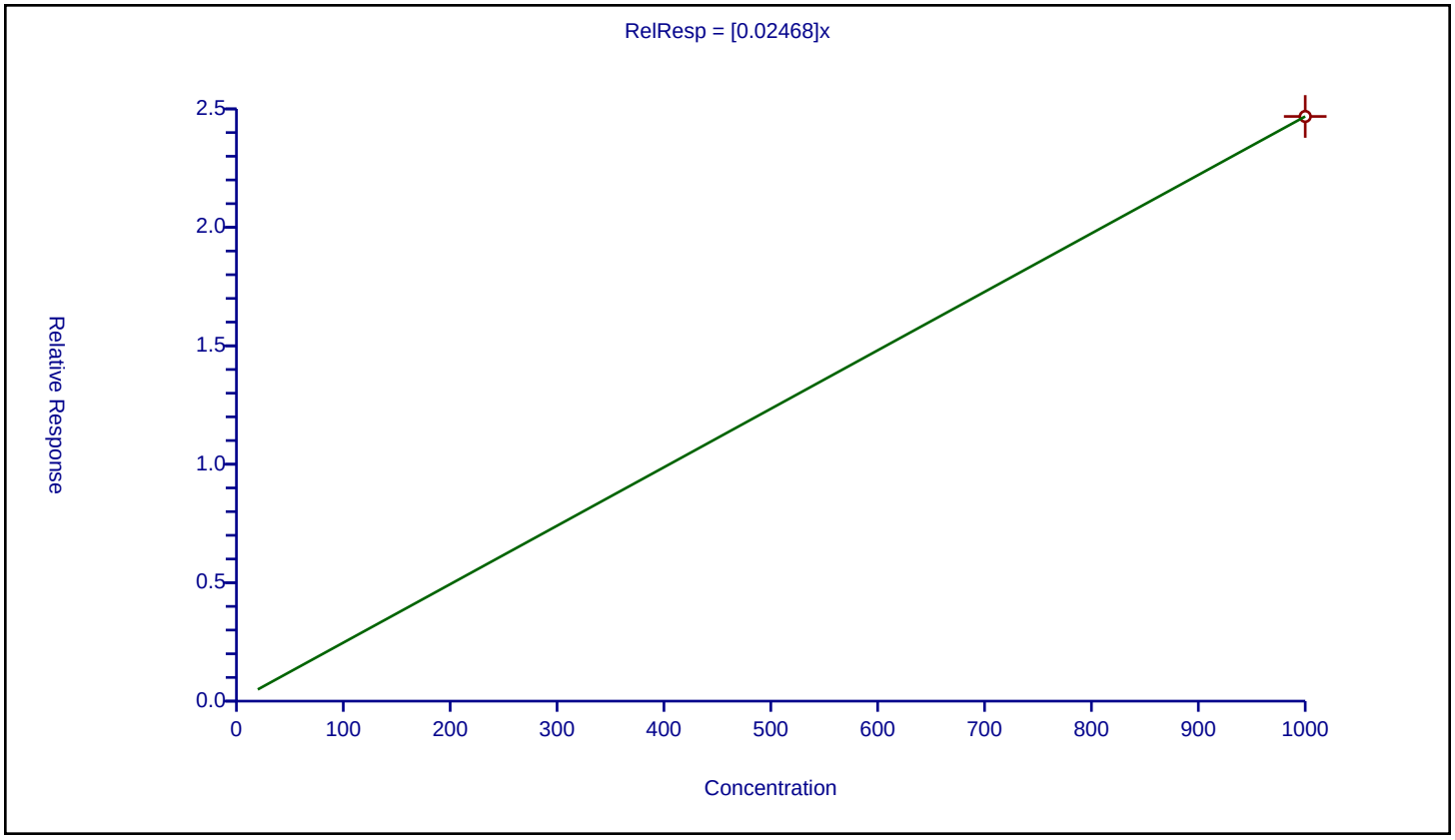
Curve Coefficients

Intercept:	0
Slope:	0.02468

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	24.680329	20.0	49507891.0	0.02468	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

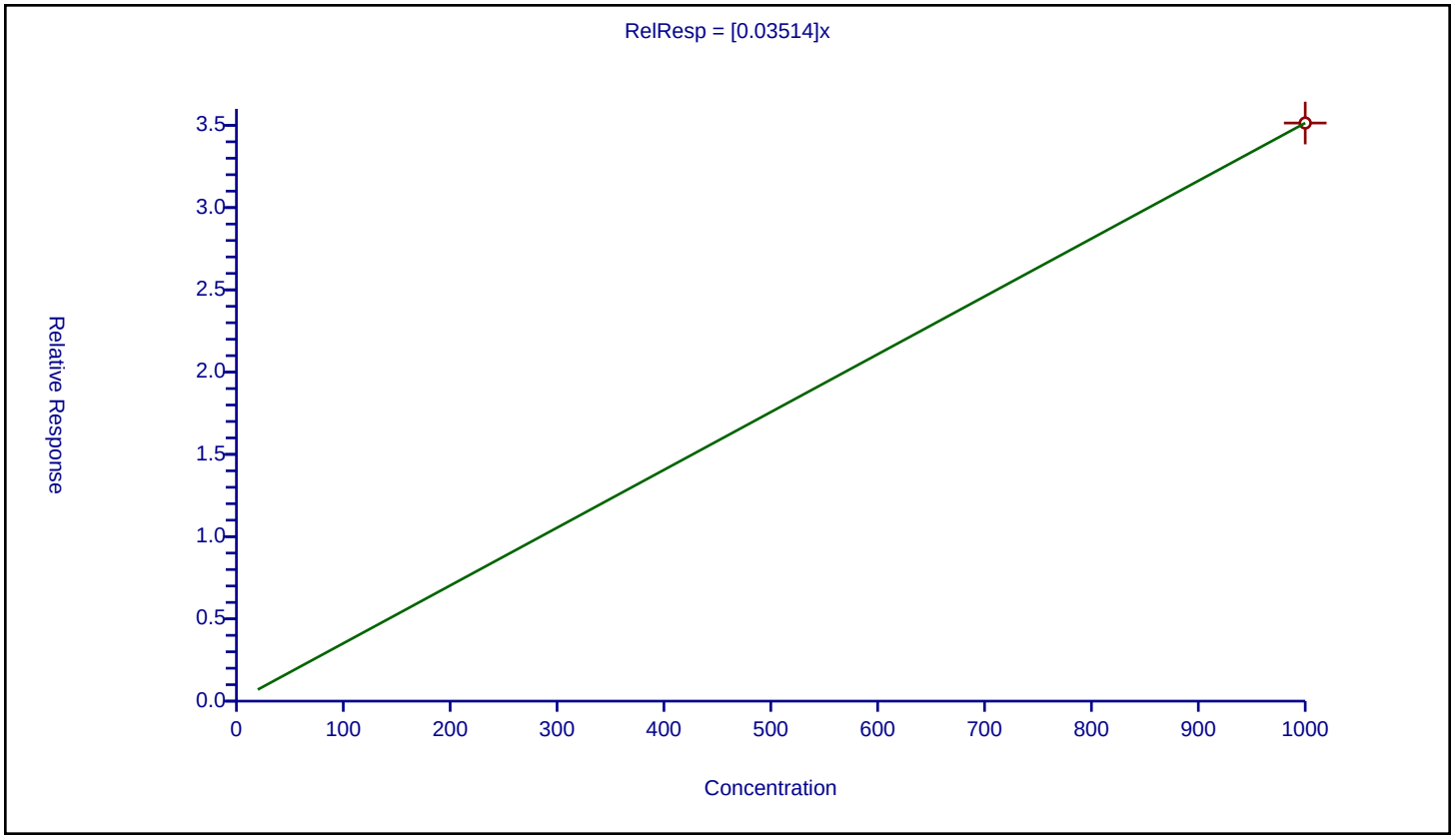
Curve Coefficients

Intercept:	0
Slope:	0.03514

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	35.14147	20.0	49507891.0	0.035141	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

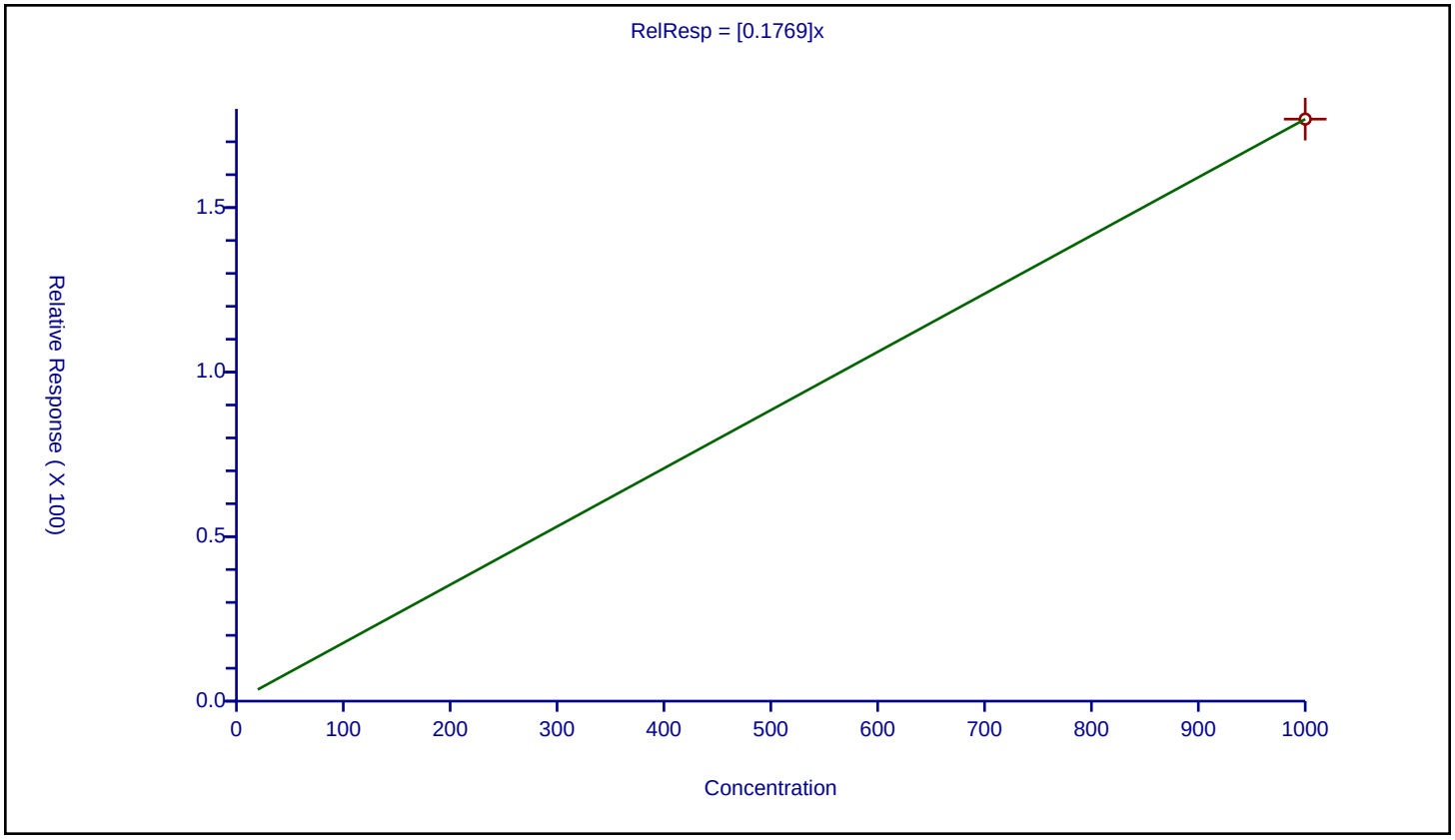
Curve Coefficients

Intercept:	0
Slope:	0.1769

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	176.892234	20.0	49507891.0	0.176892	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

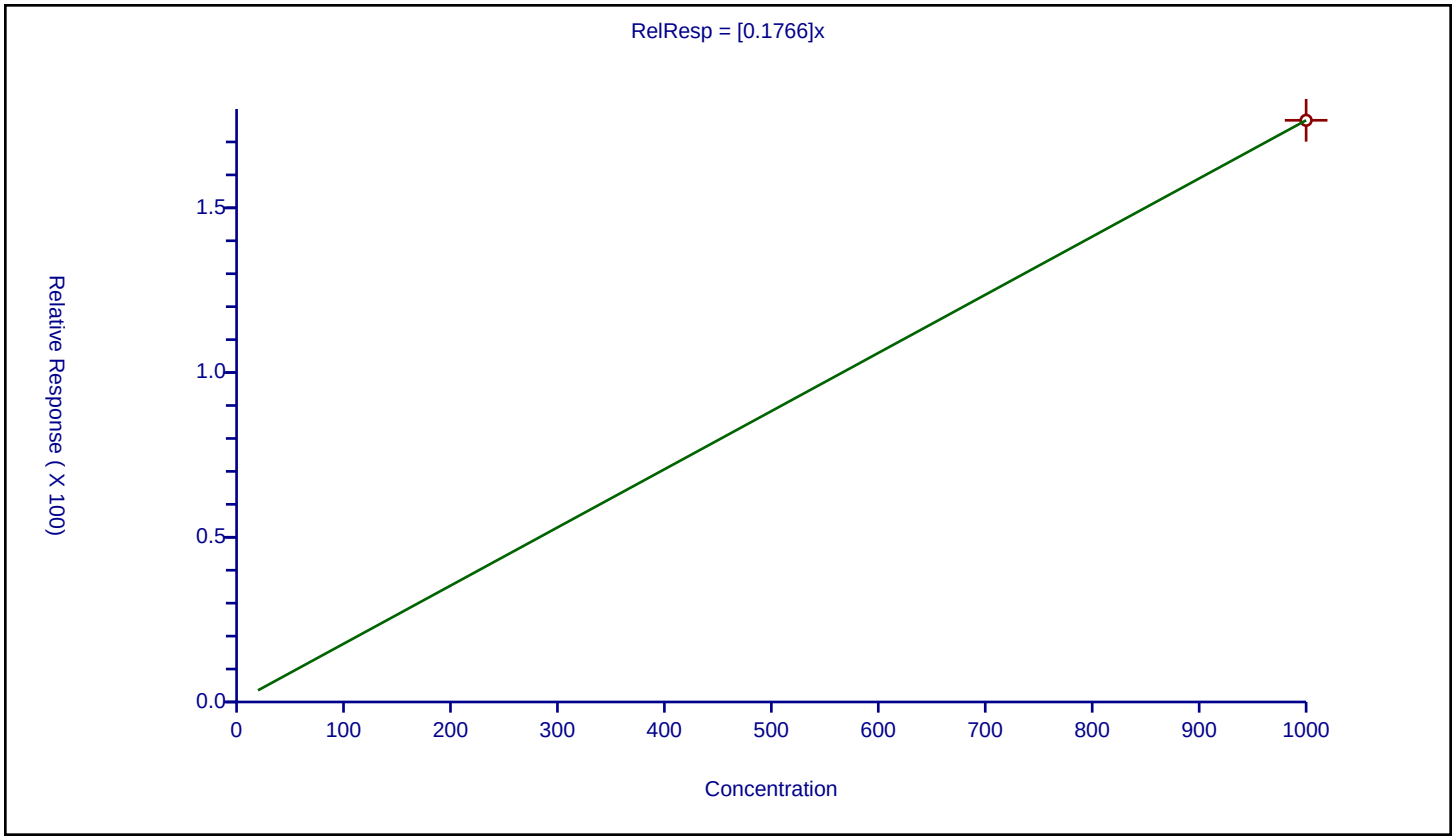
Curve Coefficients

Intercept:	0
Slope:	0.1766

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	176.576595	20.0	49507891.0	0.176577	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

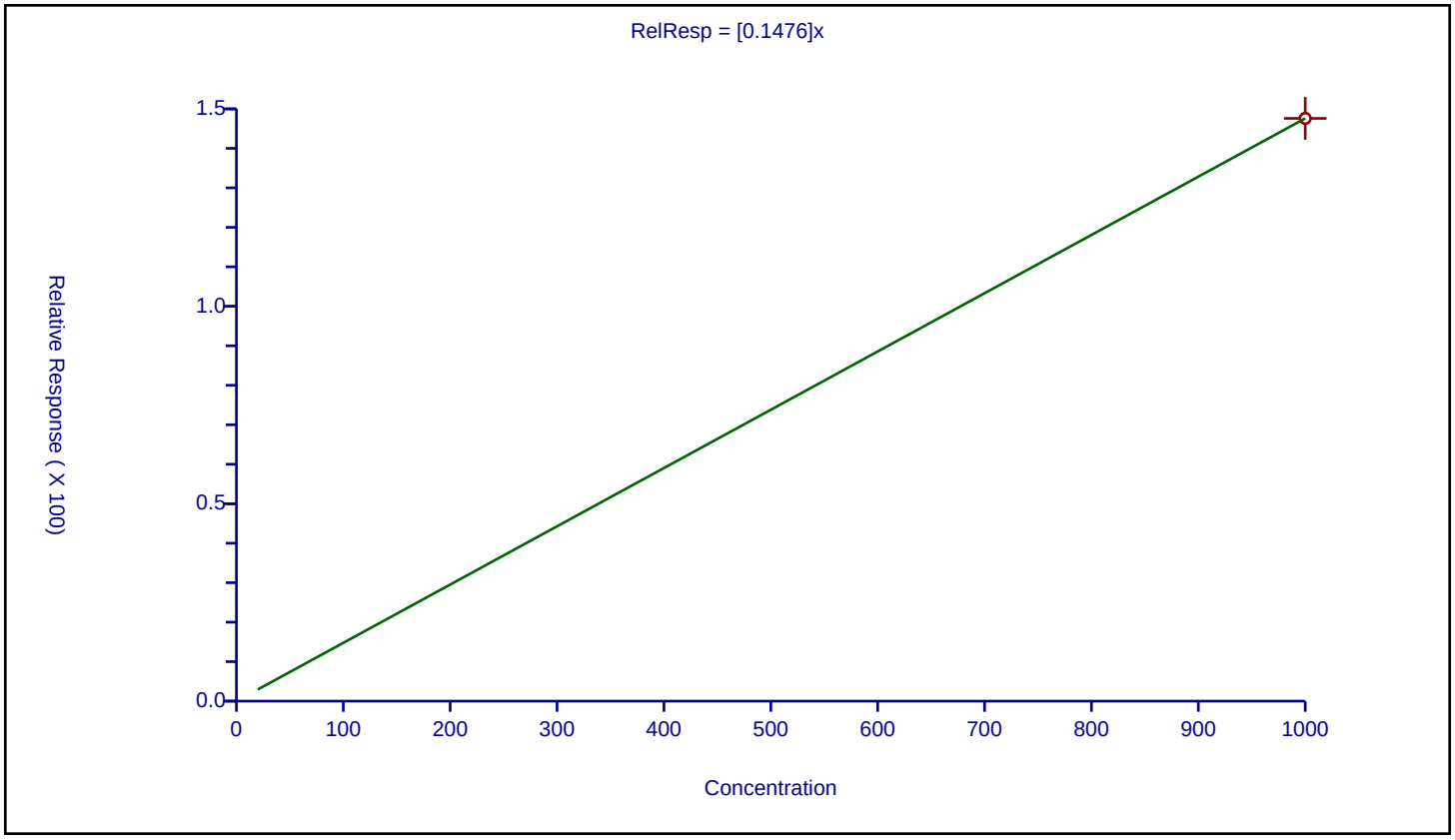
Curve Coefficients

Intercept:	0
Slope:	0.1476

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	147.590888	20.0	49507891.0	0.147591	Y



Calibration / PCB-1268 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

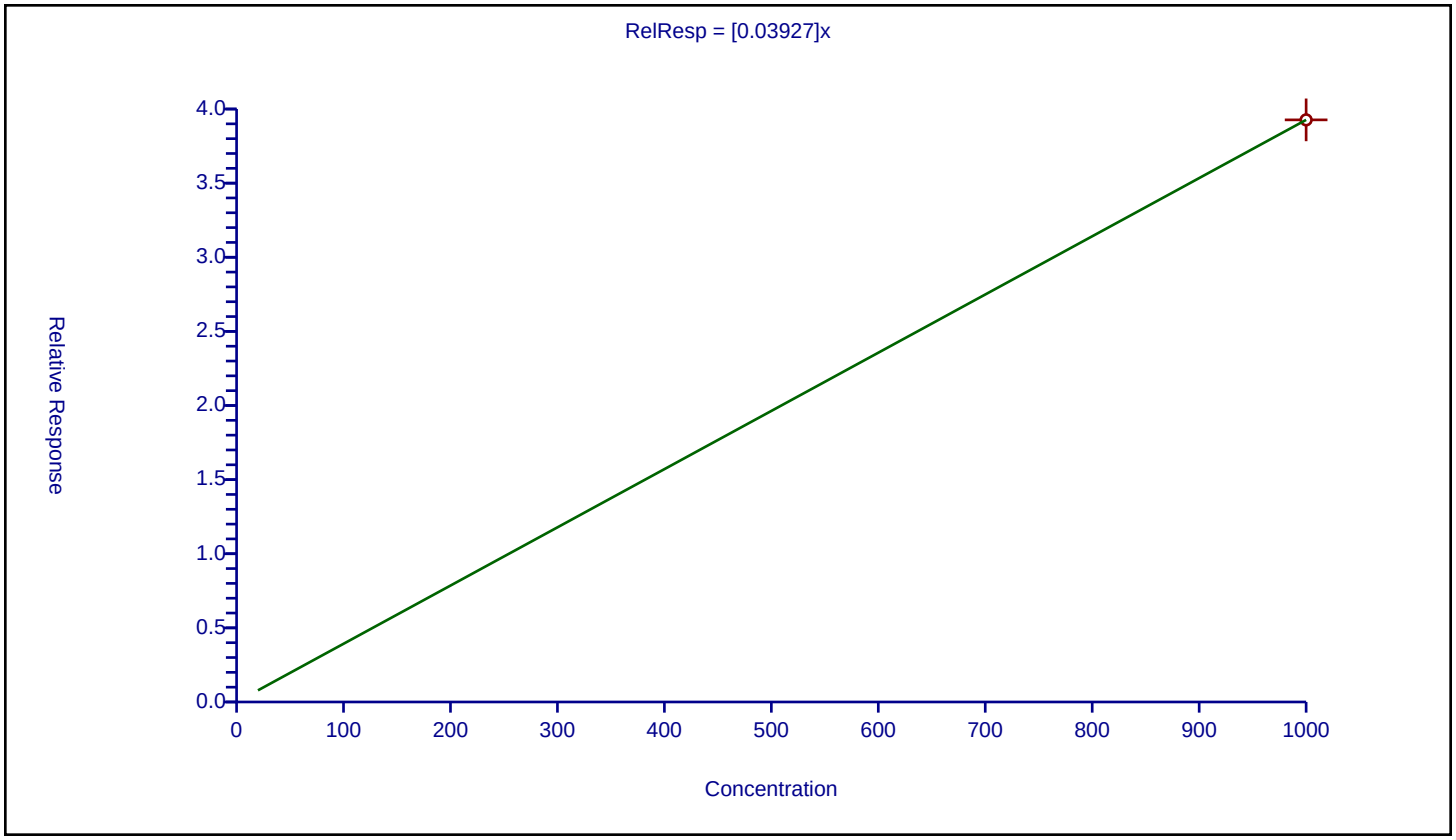
Curve Coefficients

Intercept:	0
Slope:	0.03927

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	39.267947	20.0	49507891.0	0.039268	Y



Calibration / PCB-1268 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

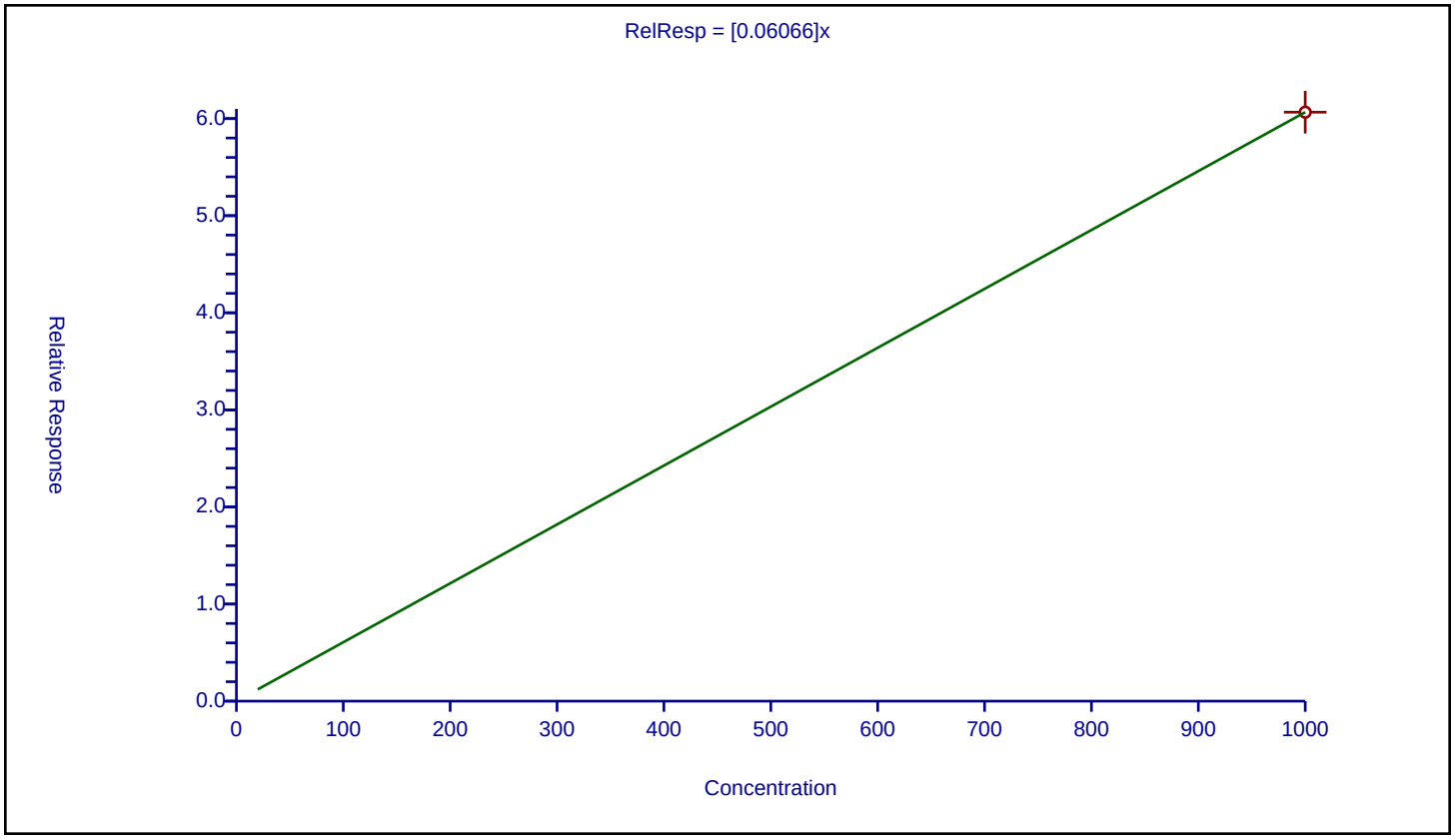
Curve Coefficients

Intercept:	0
Slope:	0.06066

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	60.658608	20.0	49507891.0	0.060659	Y



Calibration / PCB-1268 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

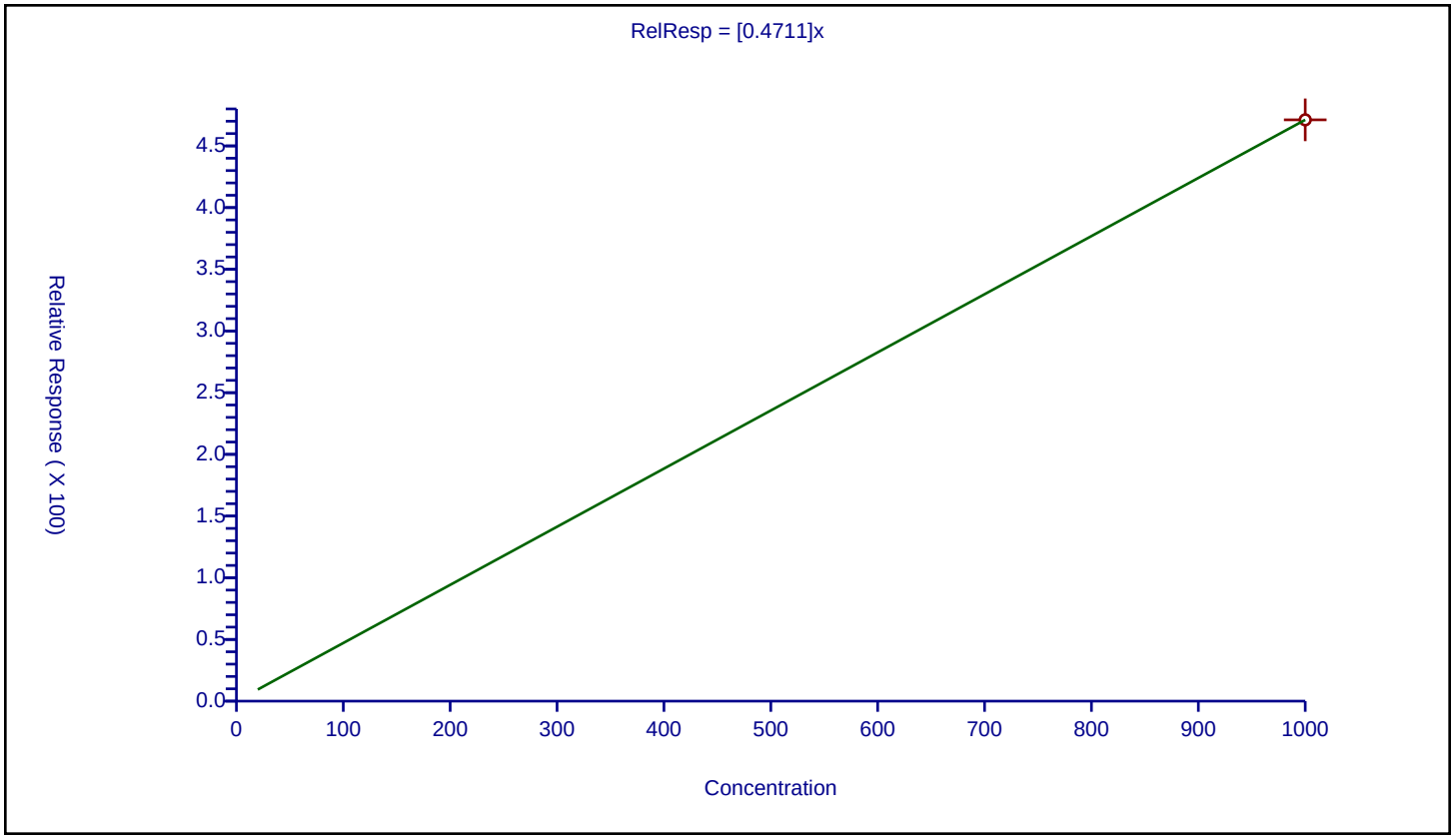
Curve Coefficients

Intercept:	0
Slope:	0.4711

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	471.131379	20.0	49507891.0	0.471131	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300484-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 Calibration End Date: 12/21/2023 14:03 Calibration ID: 95545

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0342					Ave		0.0342						20.0			
PCB-1268 Peak 2	0.0412					Ave		0.0412						20.0			
PCB-1268 Peak 3	0.1910					Ave		0.1910						20.0			
PCB-1268 Peak 4	0.1703					Ave		0.1703						20.0			
PCB-1268 Peak 5	0.1522					Ave		0.1522						20.0			
PCB-1268 Peak 6	0.0445					Ave		0.0445						20.0			
PCB-1268 Peak 7	0.0699					Ave		0.0699						20.0			
PCB-1268 Peak 8	0.5004					Ave		0.5004						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300484-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 | Calibration End Date: 12/21/2023 14:03 | Calibration ID: 95545

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	77603047					1000				
PCB-1268 Peak 2	BNB	Ave	93329370					1000				
PCB-1268 Peak 3	BNB	Ave	432950295					1000				
PCB-1268 Peak 4	BNB	Ave	386101176					1000				
PCB-1268 Peak 5	BNB	Ave	345020308					1000				
PCB-1268 Peak 6	BNB	Ave	100828085					1000				
PCB-1268 Peak 7	BNB	Ave	158349139					1000				
PCB-1268 Peak 8	BNB	Ave	1134219122					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 14:03:31 ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:32 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:21:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49507891	20.0	20.0	
2	1.227	1.227	0.000	45332563	20.0	20.0	M
						RPD = 0.00	
10 PCB-1268							M
1	7.455	7.455	0.000	61093551	1000.0	1000.0	M
1	8.020	8.020	0.000	86989003	1000.0	1000.0	M
1	9.338	9.338	0.000	437878073	1000.0	1000.0	M
1	9.435	9.435	0.000	437096741	1000.0	1000.0	M
1	9.850	9.850	0.000	365345679	1000.0	1000.0	M
1	9.987	9.987	0.000	97203663	1000.0	1000.0	M
1	10.233	10.233	0.000	150153988	1000.0	1000.0	
1	10.592	10.592	0.000	1166236049	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.840	5.840	0.000	77603047	1000.0	1000.0	M
2	6.164	6.164	0.000	93329370	1000.0	1000.0	M
2	7.153	7.153	0.000	432950295	1000.0	1000.0	M
2	7.213	7.213	0.000	386101176	1000.0	1000.0	M
2	7.555	7.555	0.000	345020308	1000.0	1000.0	M
2	7.711	7.711	0.000	100828085	1000.0	1000.0	M
2	8.230	8.230	0.000	158349139	1000.0	1000.0	M
2	8.822	8.822	0.000	1134219122	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

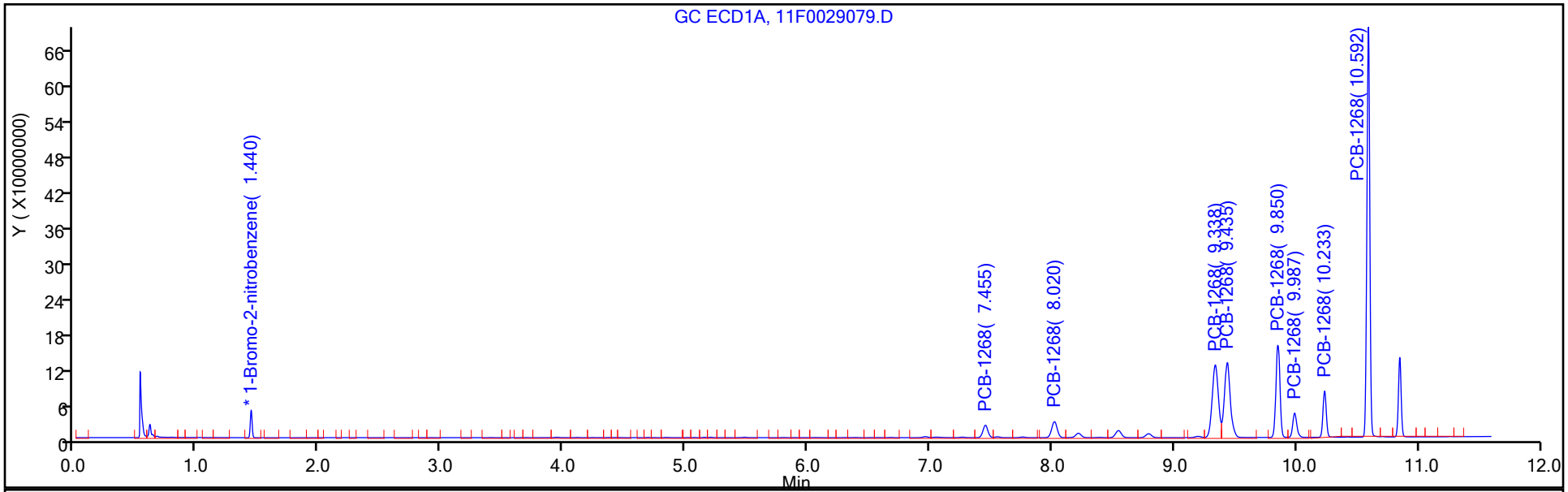
SG1268L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

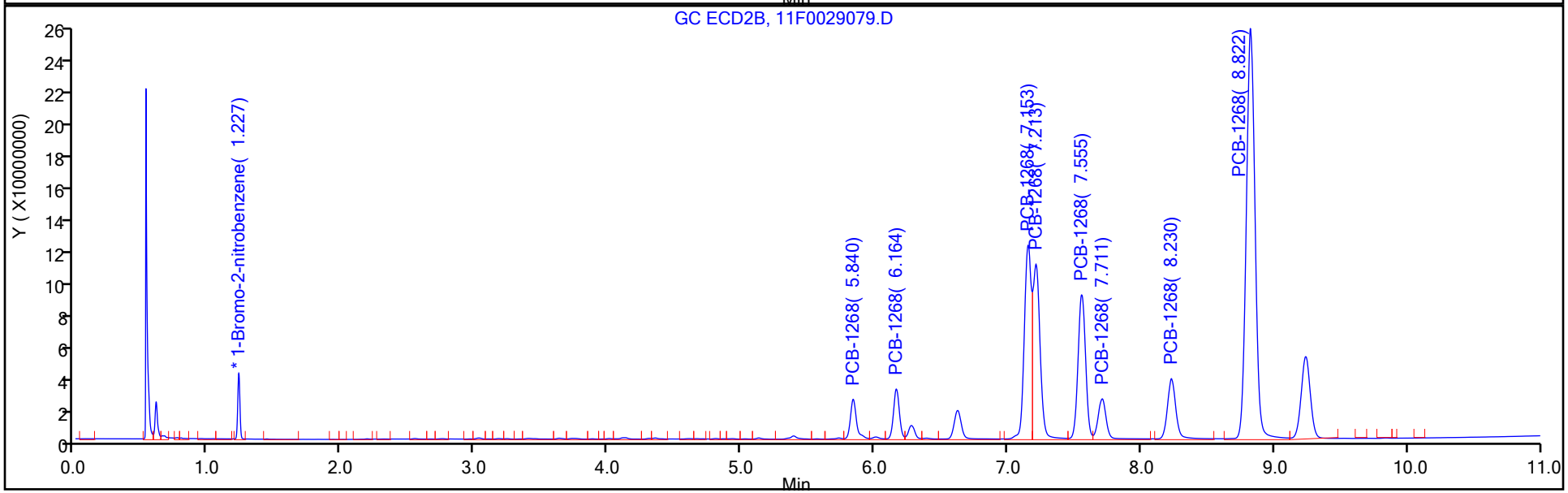
Report Date: 21-Dec-2023 14:24:33 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Injection Date:	21-Dec-2023 14:03:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

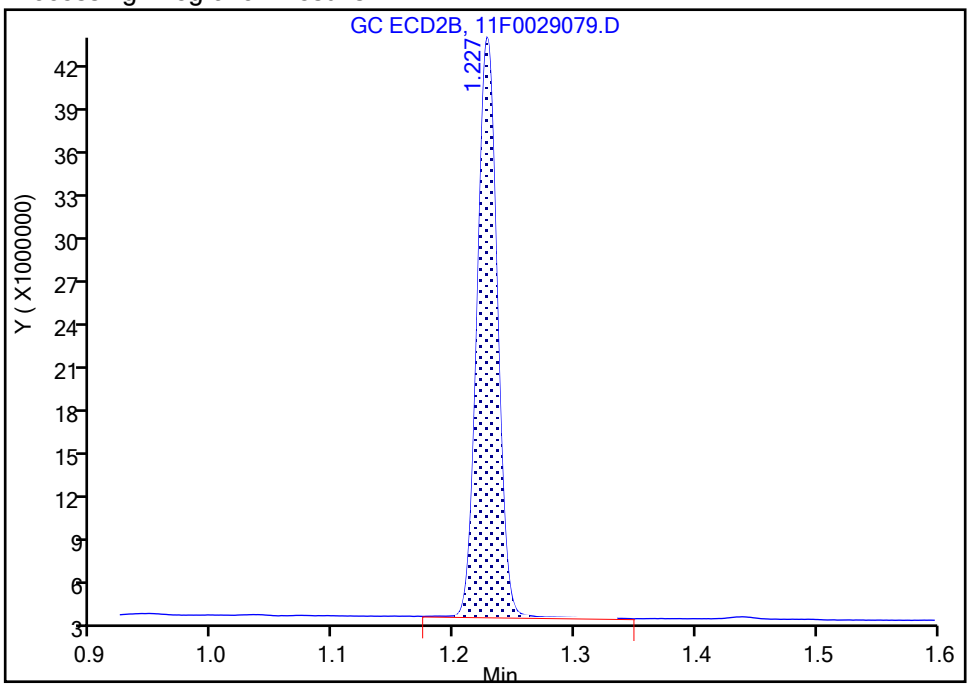
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

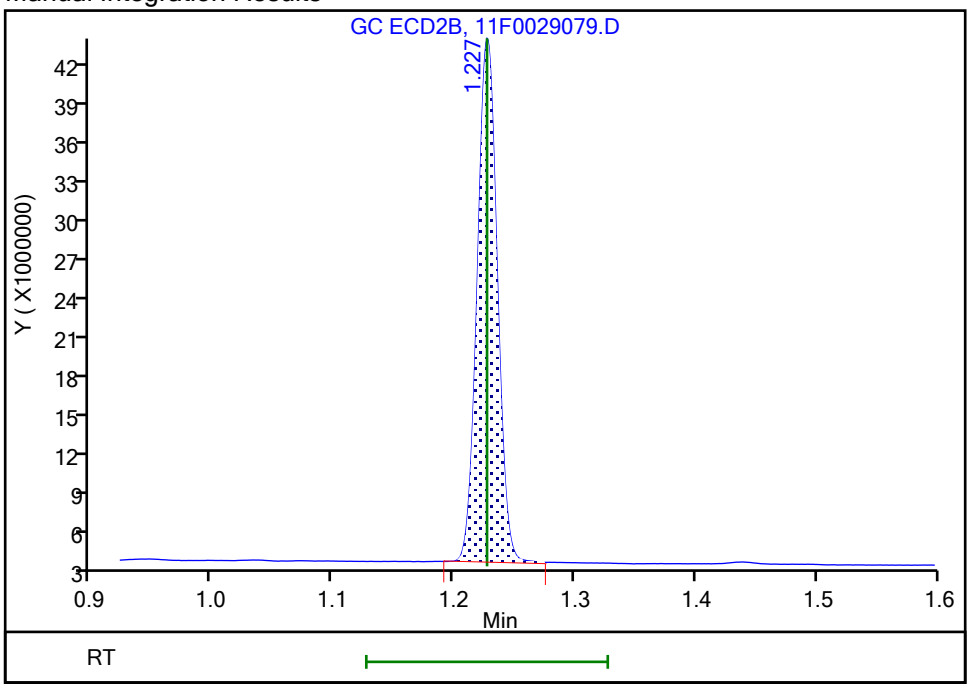
Processing Integration Results

RT: 1.23
Area: 45858996
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 45332563
Amount: 20.000000
Amount Units: ug/l



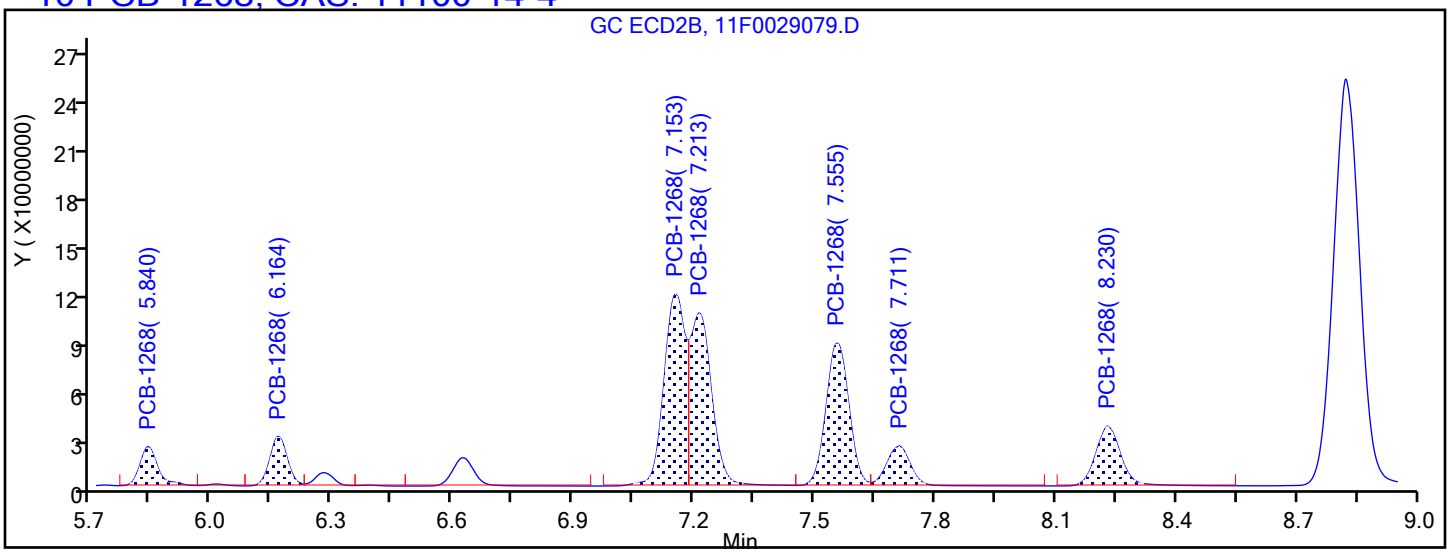
Reviewer: OR9X, 21-Dec-2023 14:21:51 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:34 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

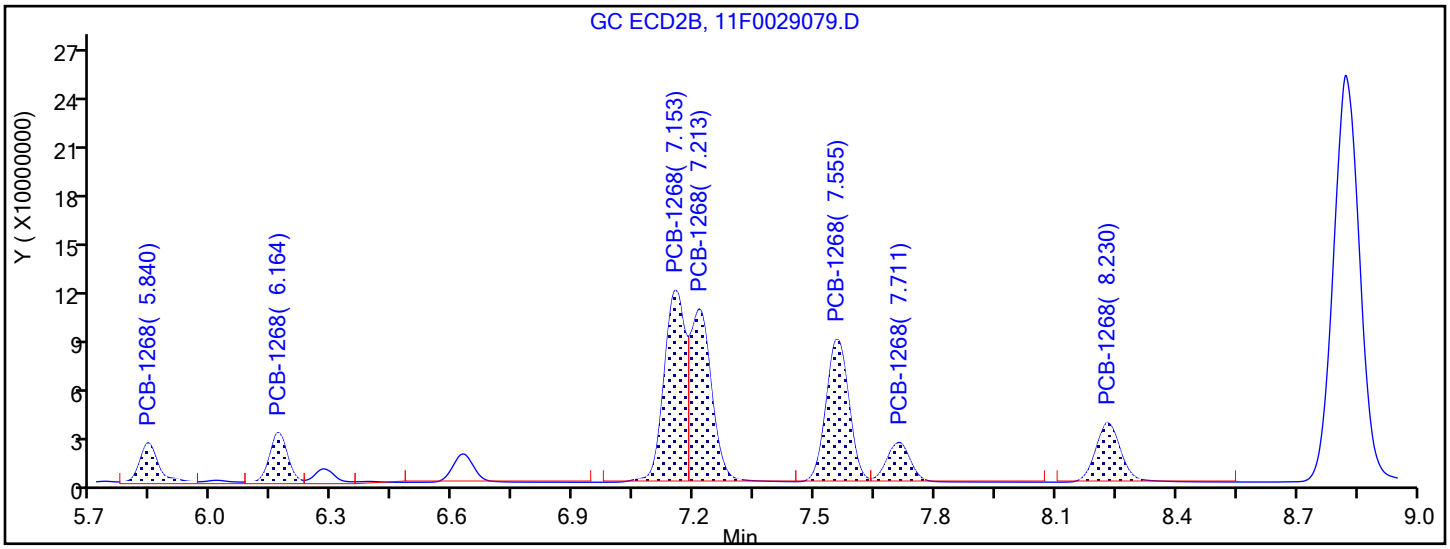
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.840	Response = 76942491
6.164	Response = 92938245
7.153	Response = 432366428
7.213	Response = 384901464
7.555	Response = 344201096
7.711	Response = 99800867
8.230	Response = 157893038
8.822	Response = 1133155416



Manual Integration Results

5.840	Response = 77603047	M
6.164	Response = 93329370	M
7.153	Response = 432950295	M
7.213	Response = 386101176	M
7.555	Response = 345020308	M
7.711	Response = 100828085	M

Calibration / PCB-1268 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

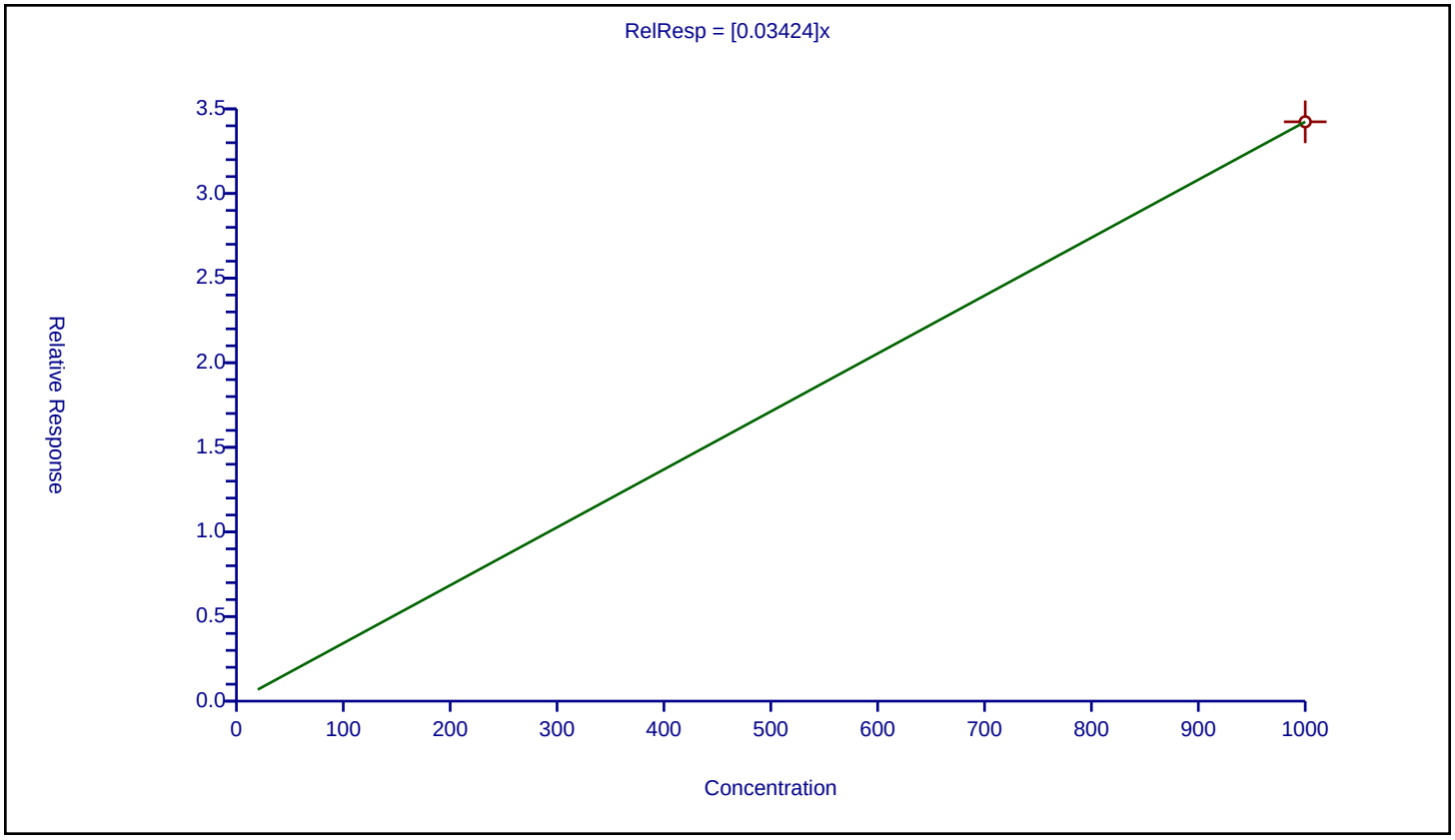
Curve Coefficients

Intercept:	0
Slope:	0.03424

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	34.23722	20.0	45332563.0	0.034237	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

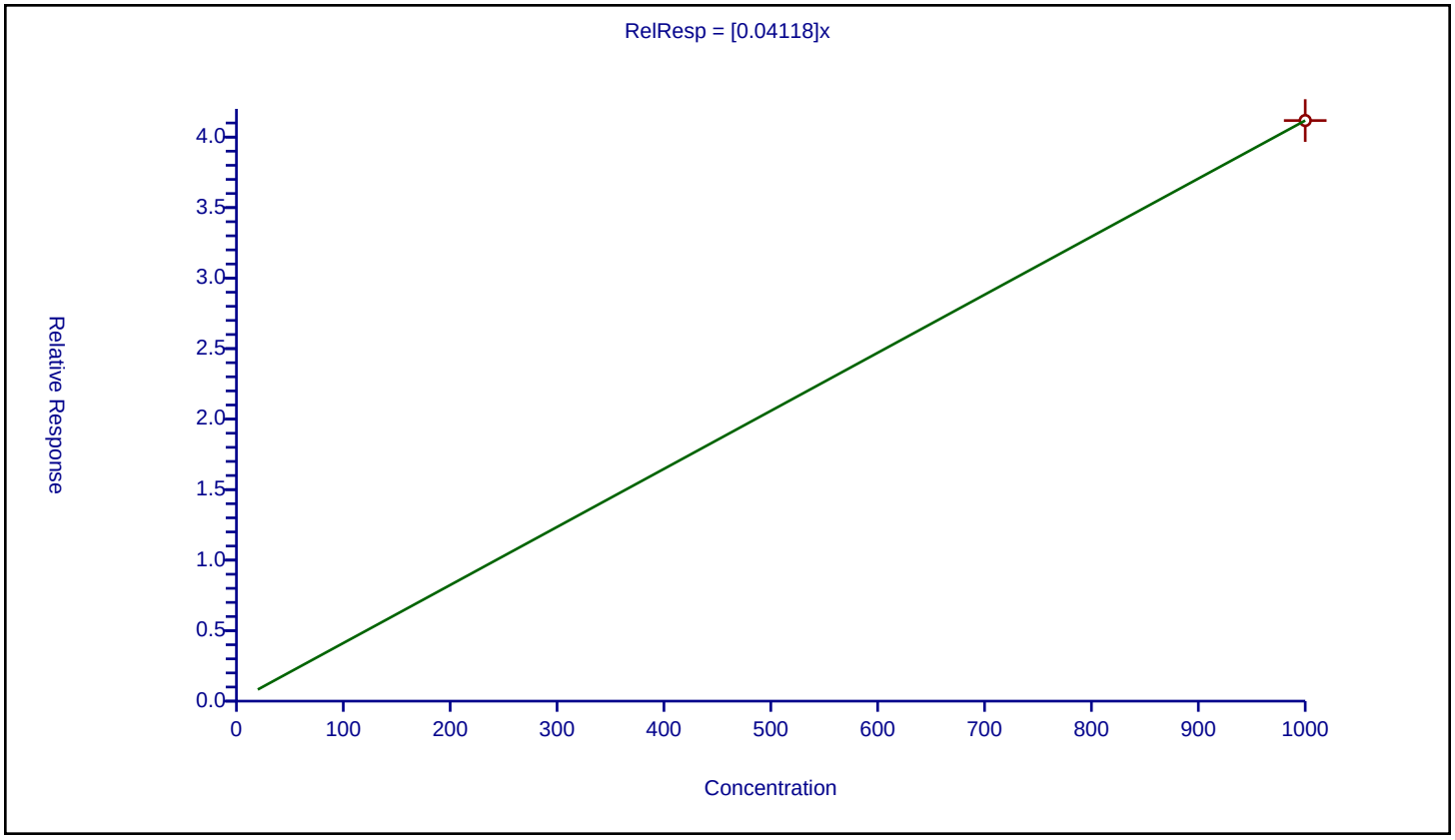
Curve Coefficients

Intercept:	0
Slope:	0.04118

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	41.175422	20.0	45332563.0	0.041175	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

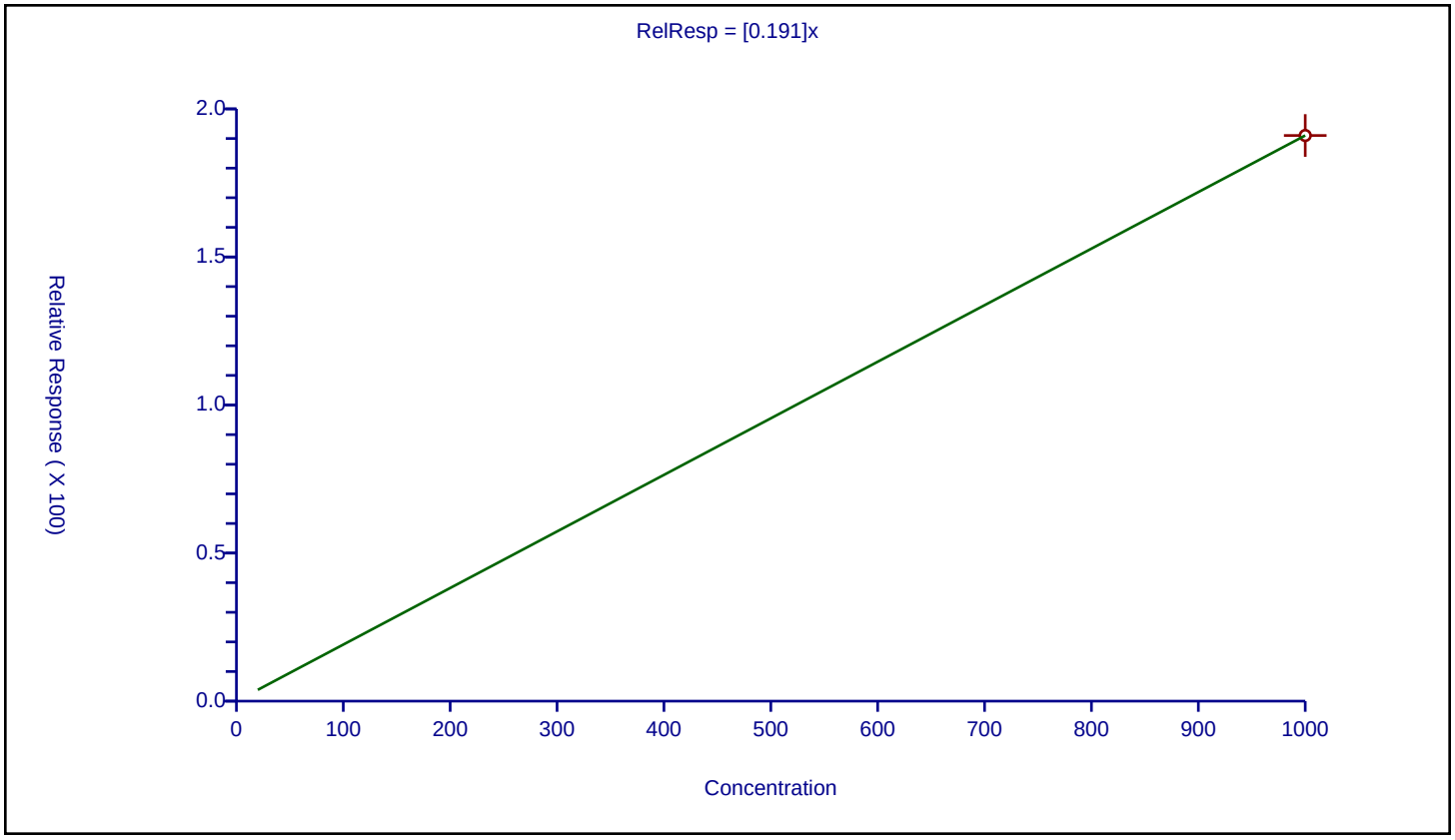
Curve Coefficients

Intercept:	0
Slope:	0.191

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	191.010729	20.0	45332563.0	0.191011	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

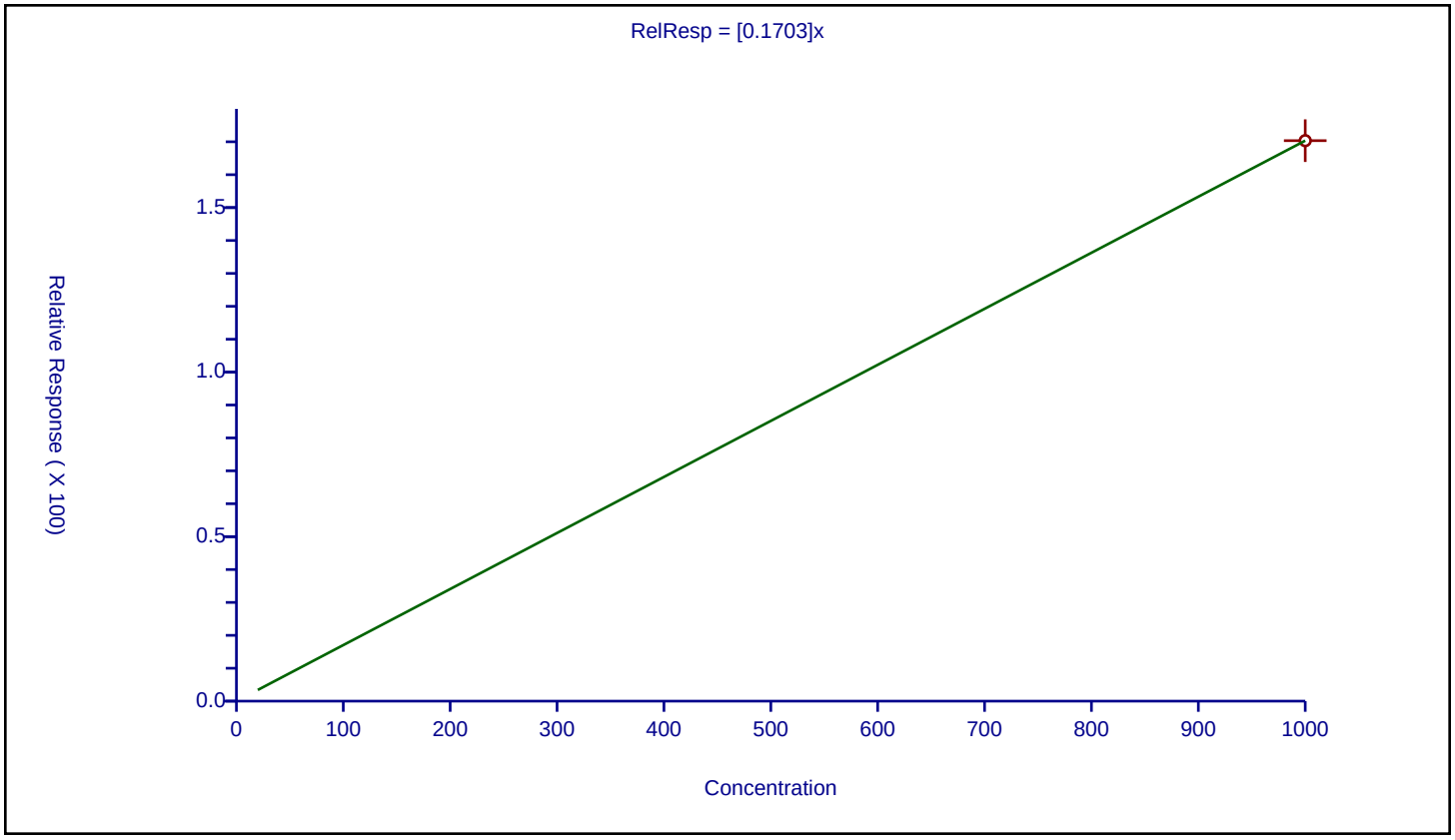
Curve Coefficients

Intercept:	0
Slope:	0.1703

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	170.341649	20.0	45332563.0	0.170342	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

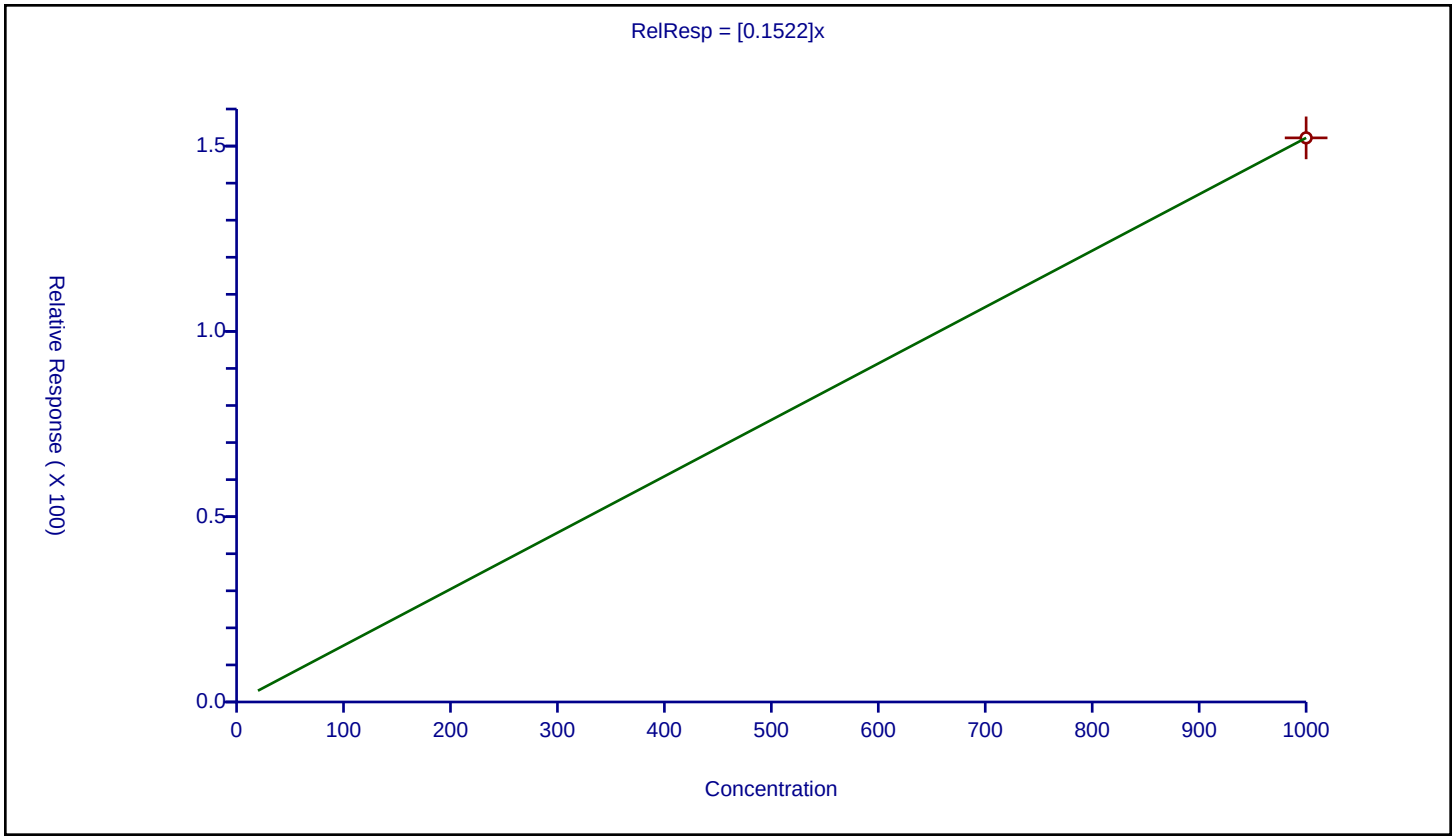
Curve Coefficients

Intercept:	0
Slope:	0.1522

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	152.217428	20.0	45332563.0	0.152217	Y



Calibration / PCB-1268 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

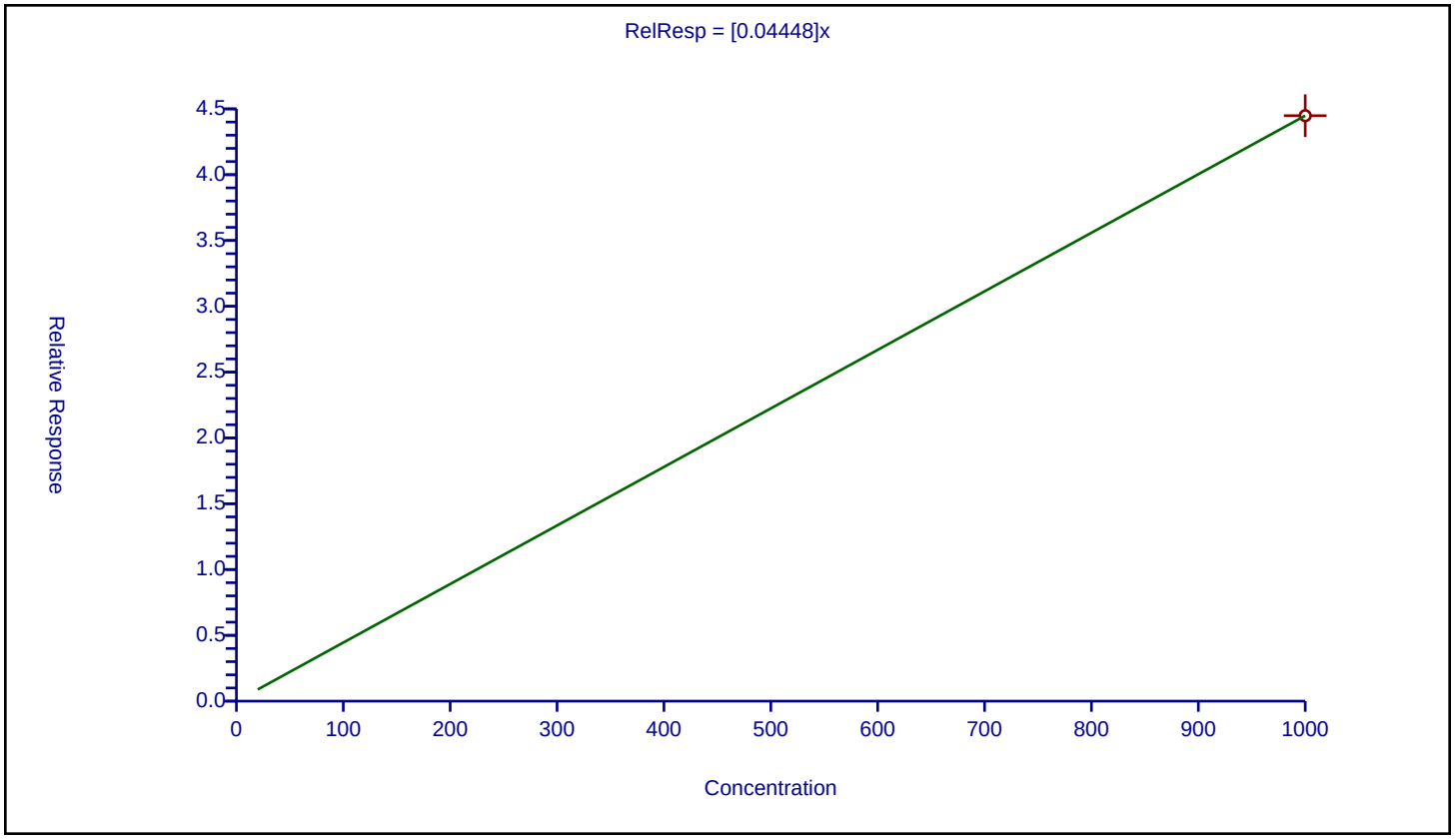
Curve Coefficients

Intercept:	0
Slope:	0.04448

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	44.483735	20.0	45332563.0	0.044484	Y



Calibration / PCB-1268 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

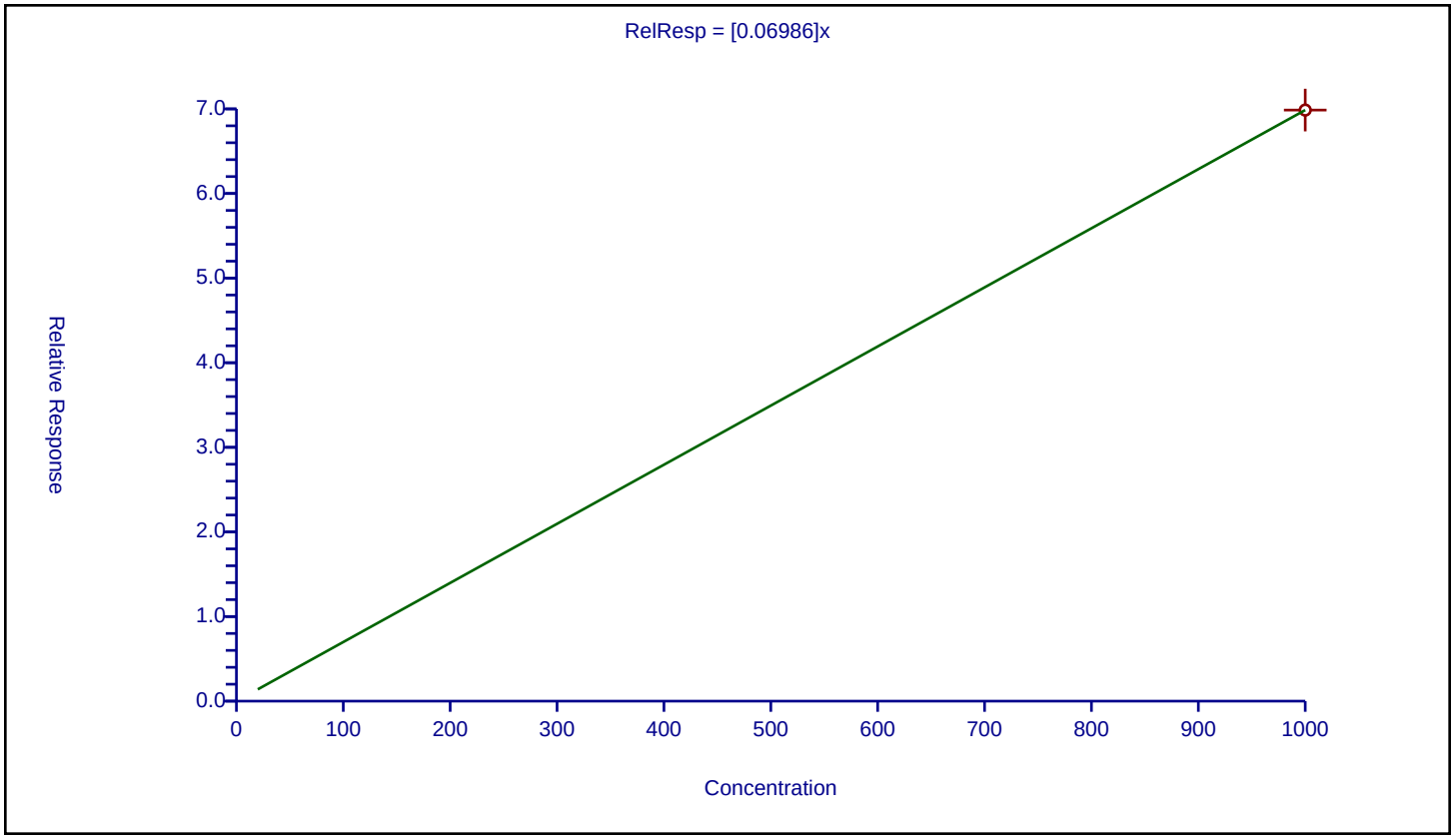
Curve Coefficients

Intercept:	0
Slope:	0.06986

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	69.861101	20.0	45332563.0	0.069861	Y



Calibration / PCB-1268 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

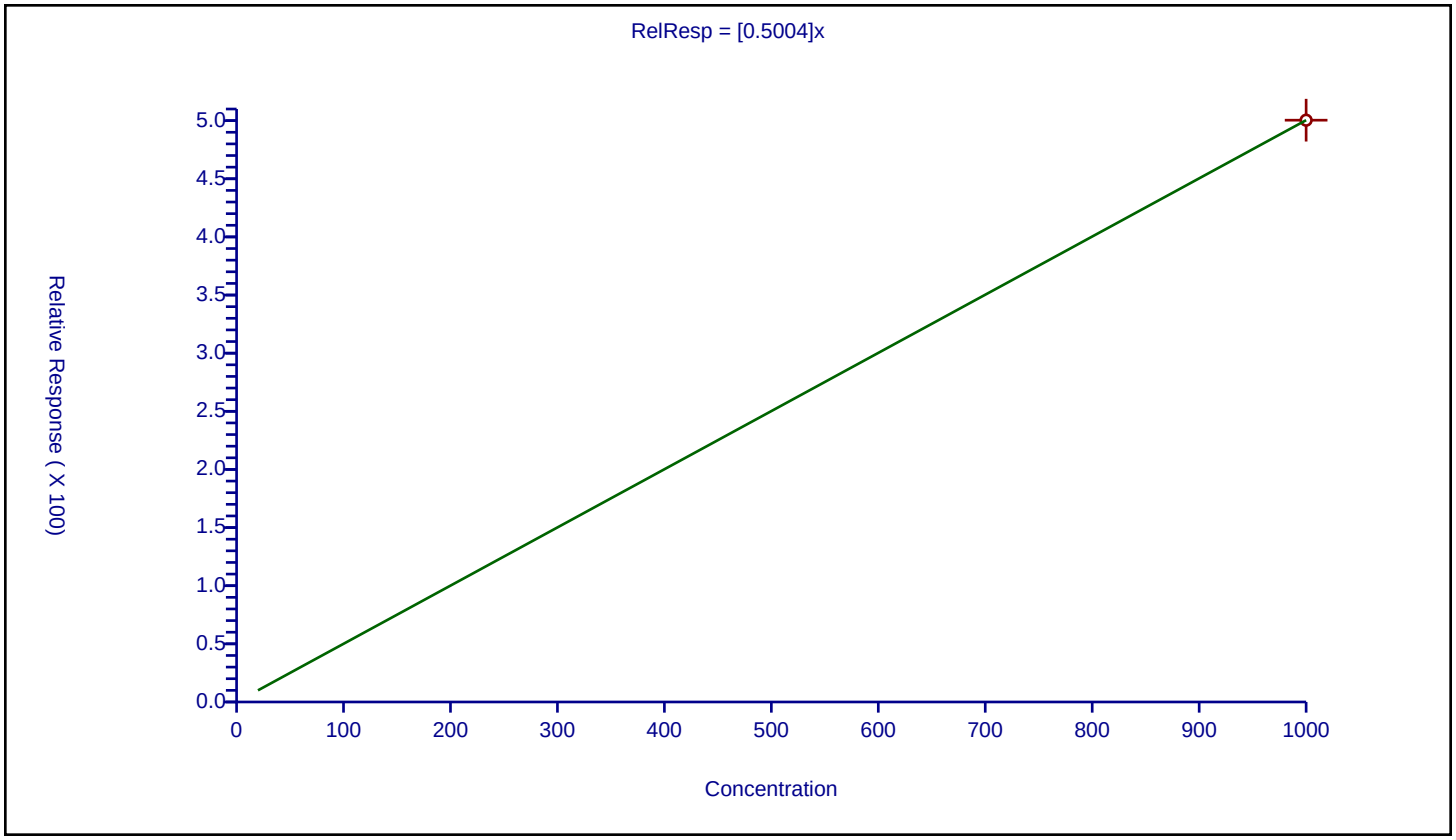
Curve Coefficients

Intercept:	0
Slope:	0.5004

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	500.399292	20.0	45332563.0	0.500399	Y



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0141	0.0124		882	1000	-11.8	20.0
PCB-1016 Peak 2	Ave	0.0266	0.0254		953	1000	-4.7	20.0
PCB-1016 Peak 3	Ave	0.0602	0.0562		933	1000	-6.7	20.0
PCB-1016 Peak 4	Ave	0.0262	0.0241		922	1000	-7.8	20.0
PCB-1016 Peak 5	Ave	0.0213	0.0198		929	1000	-7.1	20.0
PCB-1016 Peak 6	Ave	0.0191	0.0175		920	1000	-8.0	20.0
PCB-1016 Peak 7	Ave	0.0234	0.0192		820	1000	-18.0	20.0
PCB-1016 Peak 8	Ave	0.0158	0.0115		726	1000	-27.4*	20.0
PCB-1260 Peak 1	Ave	0.0172	0.0158		918	1000	-8.2	20.0
PCB-1260 Peak 2	Ave	0.0402	0.0370		919	1000	-8.1	20.0
PCB-1260 Peak 3	Ave	0.0466	0.0425		912	1000	-8.8	20.0
PCB-1260 Peak 4	Ave	0.0410	0.0370		903	1000	-9.7	20.0
PCB-1260 Peak 5	Ave	0.0463	0.0425		917	1000	-8.3	20.0
PCB-1260 Peak 6	Ave	0.1131	0.1036		916	1000	-8.4	20.0
PCB-1260 Peak 7	Ave	0.0819	0.0754		920	1000	-8.0	20.0
PCB-1260 Peak 8	Ave	0.0381	0.0346		906	1000	-9.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.91	2.88	2.94
PCB-1016 Peak 2	3.40	3.37	3.43
PCB-1016 Peak 3	3.95	3.92	3.98
PCB-1016 Peak 4	4.11	4.08	4.14
PCB-1016 Peak 5	4.24	4.21	4.27
PCB-1016 Peak 6	4.69	4.66	4.72
PCB-1016 Peak 7	4.84	4.81	4.87
PCB-1016 Peak 8	5.20	5.17	5.23
PCB-1260 Peak 1	6.11	6.08	6.14
PCB-1260 Peak 2	6.35	6.32	6.38
PCB-1260 Peak 3	6.68	6.65	6.71
PCB-1260 Peak 4	7.46	7.43	7.49
PCB-1260 Peak 5	8.02	7.99	8.05
PCB-1260 Peak 6	8.54	8.51	8.57
PCB-1260 Peak 7	9.35	9.32	9.38
PCB-1260 Peak 8	10.23	10.21	10.27

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Dec-2023 12:06:31 ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-007
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:25:04 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:55:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49659519	20.0	20.0	M
2	1.226	1.227	-0.001	46035912	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.912	2.912	0.000	30887994	1000.0	882.5	
1	3.402	3.403	-0.001	62955715	1000.0	952.8	M
1	3.946	3.947	-0.001	139484721	1000.0	933.1	M
1	4.111	4.111	0.000	59894671	1000.0	921.5	M
1	4.236	4.238	-0.002	49086894	1000.0	928.5	M
1	4.690	4.689	0.001	43524050	1000.0	919.8	M
1	4.836	4.838	-0.002	47721154	1000.0	820.4	M
1	5.204	5.204	0.000	28548890	1000.0	726.5	M
		Average of Peak Amounts =				885.6	
2	2.189	2.189	0.000	38437835	1000.0	808.3	
2	2.550	2.549	0.001	81198600	1000.0	937.6	
2	2.750	2.750	0.000	53109278	1000.0	935.3	
2	3.030	3.030	0.000	172714030	1000.0	957.0	
2	3.176	3.176	0.000	72194232	1000.0	950.7	
2	3.241	3.242	-0.001	46299017	1000.0	937.9	
2	3.633	3.633	0.000	73965139	1000.0	920.7	
2	4.062	4.062	0.000	34961594	1000.0	846.9	
		Average of Peak Amounts =				911.8	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.107	6.108	-0.001	39201163	1000.0	917.8	M
1	6.347	6.346	0.001	91808518	1000.0	918.7	M
1	6.677	6.679	-0.002	105567427	1000.0	911.5	M
1	7.455	7.455	0.000	91984643	1000.0	902.8	M
1	8.016	8.015	0.001	105430482	1000.0	917.3	M
1	8.544	8.544	0.000	257213270	1000.0	915.8	M
1	9.347	9.350	-0.003	187124399	1000.0	920.2	
1	10.233	10.236	-0.003	85832431	1000.0	906.2	
		Average of Peak Amounts =				913.8	
2	5.025	5.026	-0.001	103866627	1000.0	923.7	
2	5.351	5.351	0.000	194115413	1000.0	929.8	
2	5.840	5.841	-0.001	111043395	1000.0	900.8	
2	6.166	6.166	0.000	165190745	1000.0	924.4	
2	6.631	6.628	0.003	280814854	1000.0	925.9	
2	7.069	7.072	-0.003	133248054	1000.0	929.1	
2	7.221	7.219	0.002	86389868	1000.0	920.9	
2	8.229	8.233	-0.004	90536528	1000.0	921.2	
		Average of Peak Amounts =				922.0	
						RPD = 0.89	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

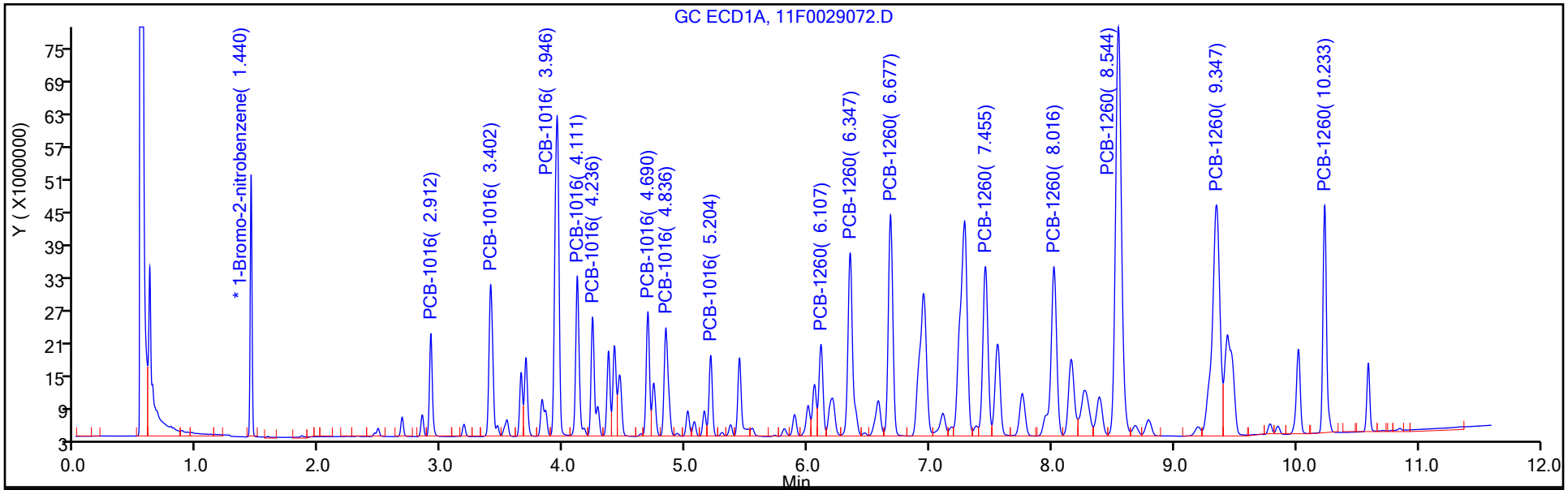
SGPCBICV_00032	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

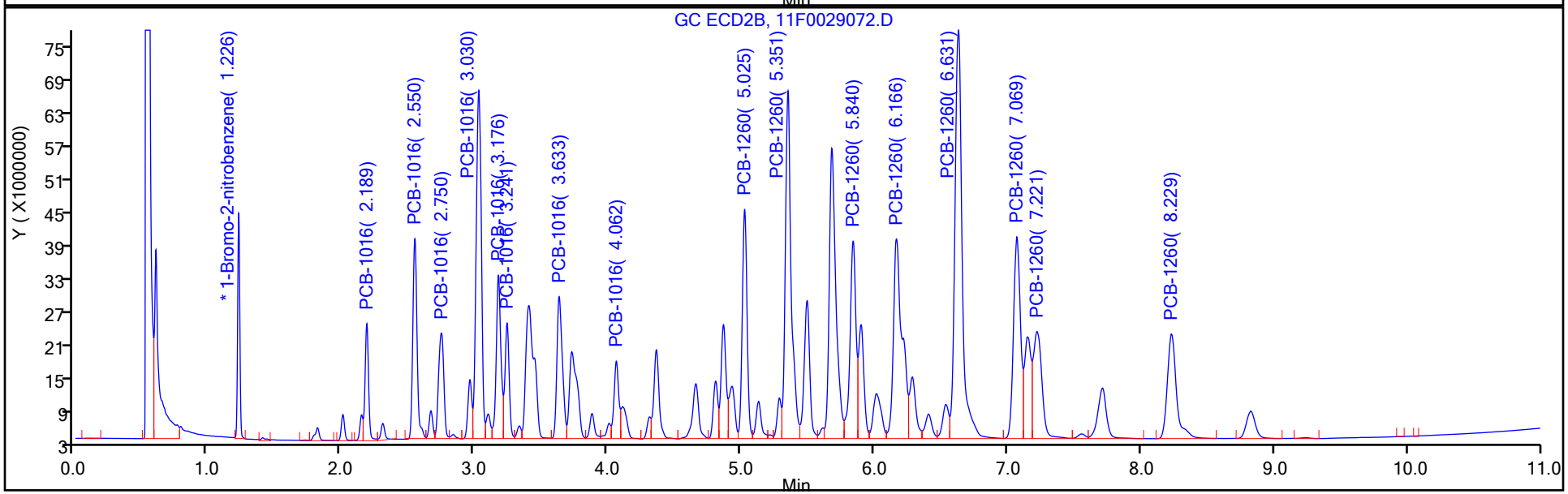
Report Date: 21-Dec-2023 14:25:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D

Injection Date:	21-Dec-2023 12:06:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison

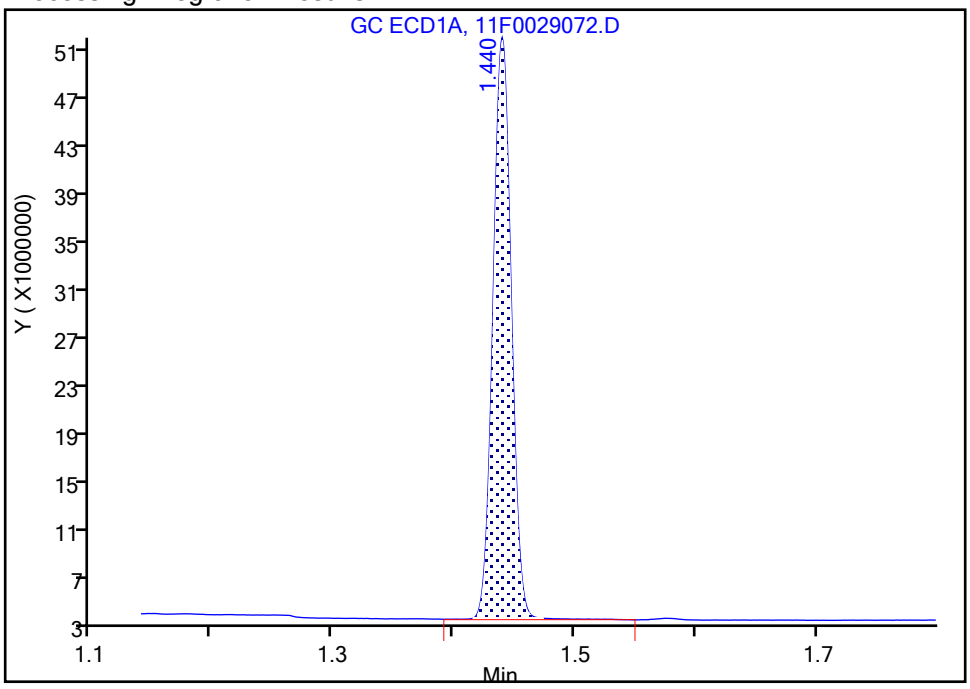
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

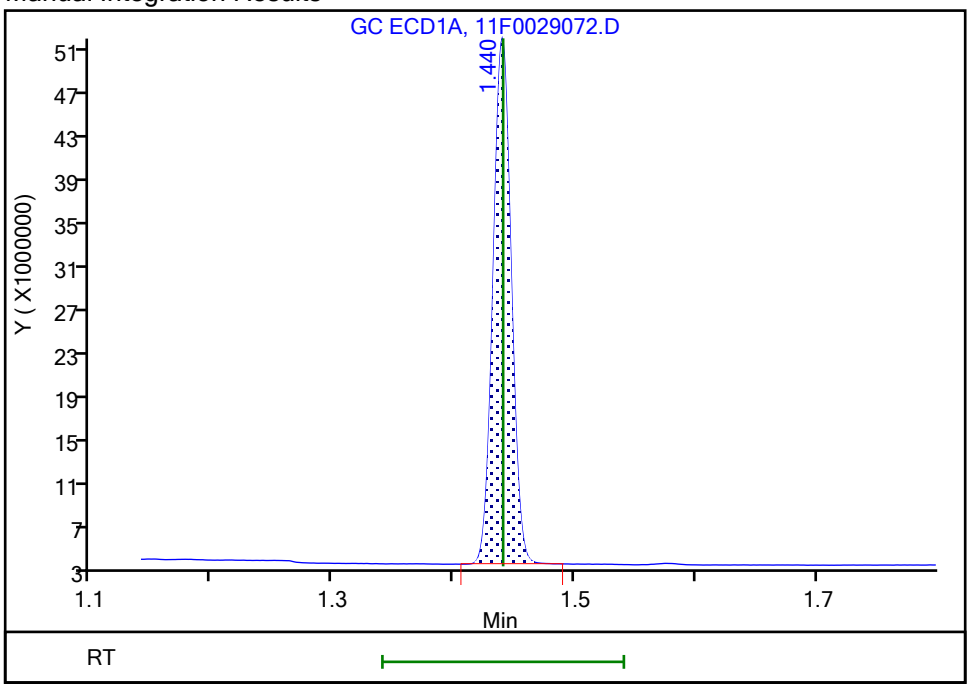
Processing Integration Results

RT: 1.44
Area: 49983528
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 49659519
Amount: 20.000000
Amount Units: ug/l



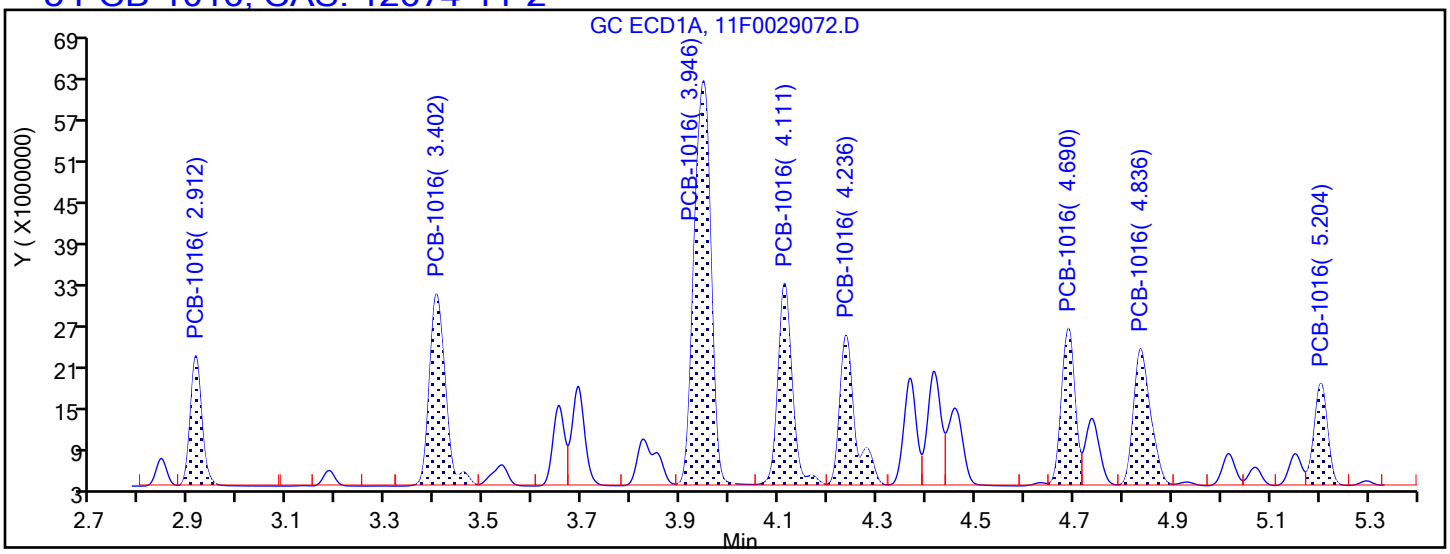
Reviewer: OR9X, 21-Dec-2023 12:55:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:25:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

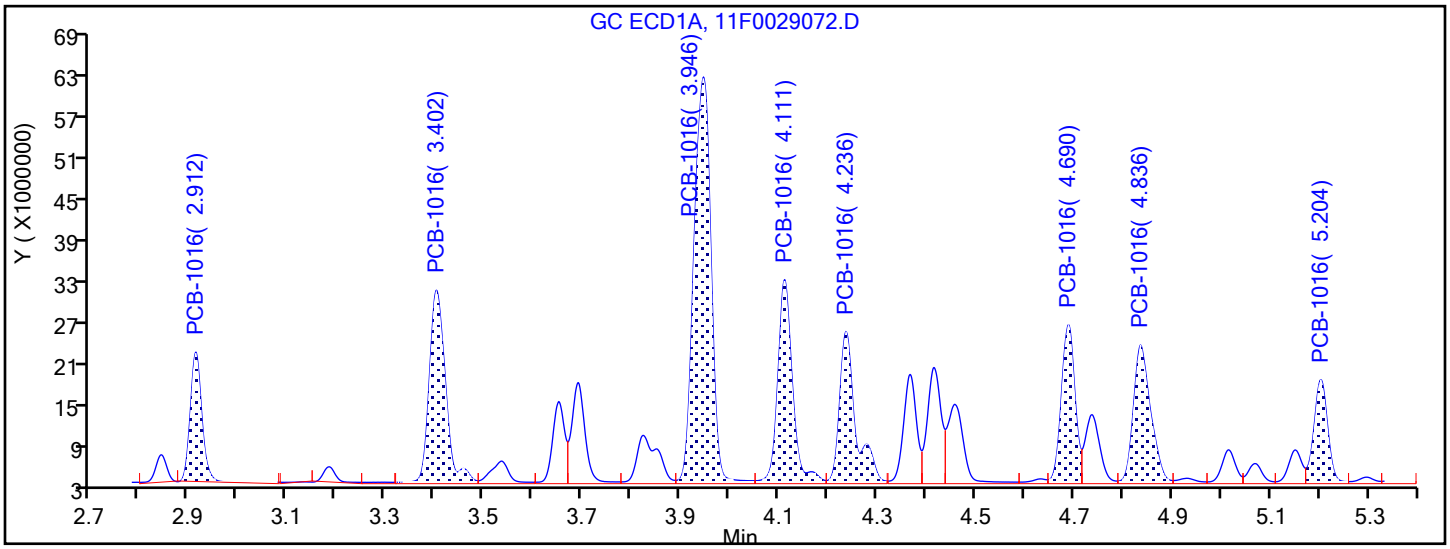
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 30887994
3.402	Response = 62426005
3.946	Response = 138064050
4.111	Response = 58636364
4.236	Response = 48073162
4.690	Response = 43171819
4.836	Response = 47107819
5.204	Response = 28207467



Manual Integration Results

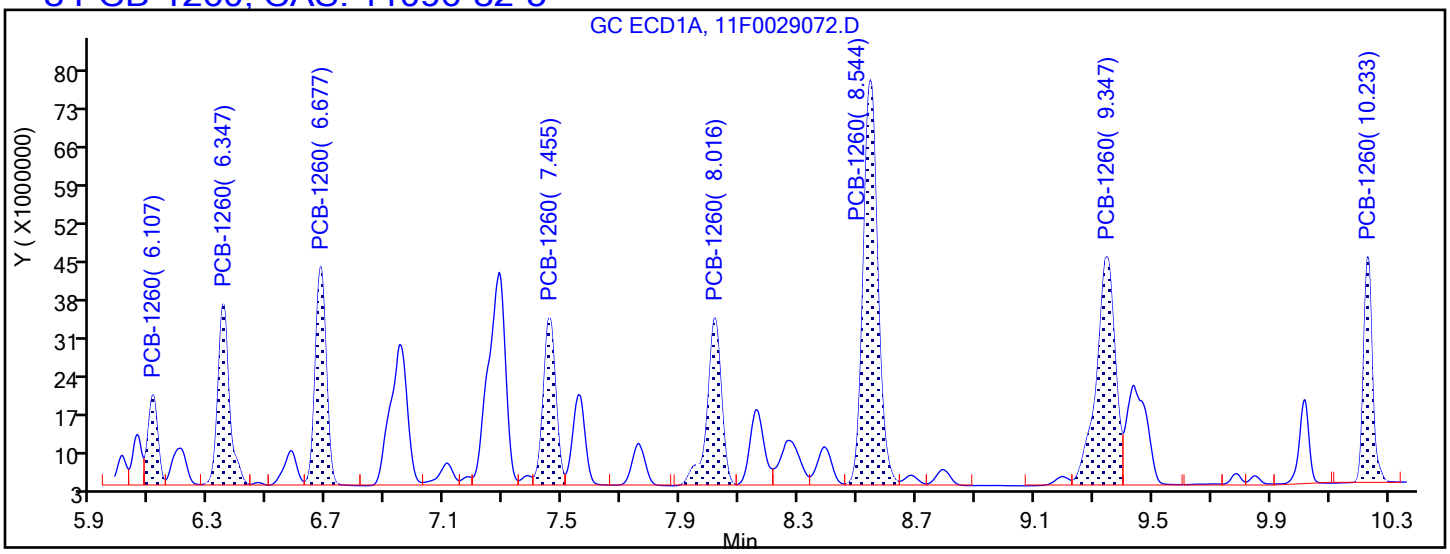
2.912	Response = 30887994	
3.402	Response = 62955715	M
3.946	Response = 139484721	M
4.111	Response = 59894671	M
4.236	Response = 49086894	M
4.690	Response = 43524050	M

Report Date: 21-Dec-2023 14:25:20 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

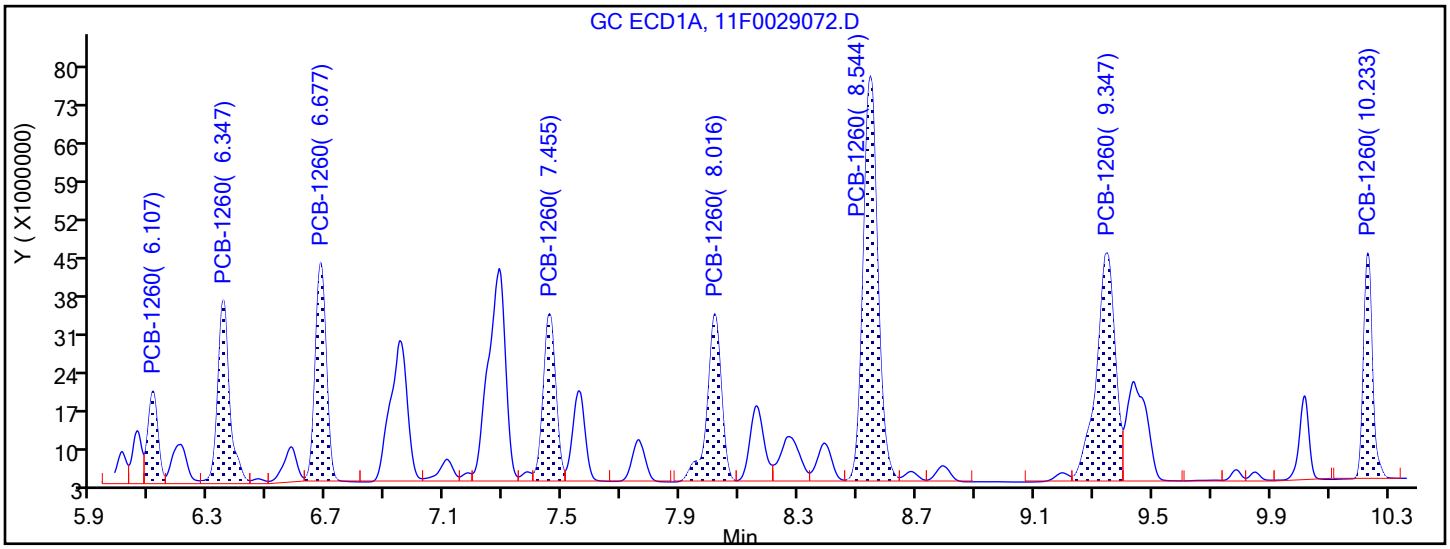
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 39081743
6.347	Response = 91479753
6.677	Response = 104984900
7.455	Response = 91231039
8.016	Response = 103867169
8.544	Response = 254580599
9.347	Response = 187124399
10.233	Response = 85832431



Manual Integration Results

6.107	Response = 39201163	M
6.347	Response = 91808518	M
6.677	Response = 105567427	M
7.455	Response = 91984643	M
8.016	Response = 105430482	M
8.544	Response = 257213270	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0207	0.0167		808	1000	-19.2	20.0
PCB-1016 Peak 2	Ave	0.0376	0.0353		938	1000	-6.2	20.0
PCB-1016 Peak 3	Ave	0.0247	0.0231		935	1000	-6.5	20.0
PCB-1016 Peak 4	Ave	0.0784	0.0750		957	1000	-4.3	20.0
PCB-1016 Peak 5	Ave	0.0330	0.0314		951	1000	-4.9	20.0
PCB-1016 Peak 6	Ave	0.0214	0.0201		938	1000	-6.2	20.0
PCB-1016 Peak 7	Ave	0.0349	0.0321		921	1000	-7.9	20.0
PCB-1016 Peak 8	Ave	0.0179	0.0152		847	1000	-15.3	20.0
PCB-1260 Peak 1	Ave	0.0489	0.0451		924	1000	-7.6	20.0
PCB-1260 Peak 2	Ave	0.0907	0.0843		930	1000	-7.0	20.0
PCB-1260 Peak 3	Ave	0.0536	0.0482		901	1000	-9.9	20.0
PCB-1260 Peak 4	Ave	0.0776	0.0718		924	1000	-7.6	20.0
PCB-1260 Peak 5	Ave	0.1318	0.1220		926	1000	-7.4	20.0
PCB-1260 Peak 6	Ave	0.0623	0.0579		929	1000	-7.1	20.0
PCB-1260 Peak 7	Ave	0.0408	0.0375		921	1000	-7.9	20.0
PCB-1260 Peak 8	Ave	0.0427	0.0393		921	1000	-7.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.19	2.16	2.22
PCB-1016 Peak 2	2.55	2.52	2.58
PCB-1016 Peak 3	2.75	2.72	2.78
PCB-1016 Peak 4	3.03	3.00	3.06
PCB-1016 Peak 5	3.18	3.15	3.21
PCB-1016 Peak 6	3.24	3.21	3.27
PCB-1016 Peak 7	3.63	3.60	3.66
PCB-1016 Peak 8	4.06	4.03	4.09
PCB-1260 Peak 1	5.03	5.00	5.06
PCB-1260 Peak 2	5.35	5.32	5.38
PCB-1260 Peak 3	5.84	5.81	5.87
PCB-1260 Peak 4	6.17	6.14	6.20
PCB-1260 Peak 5	6.63	6.60	6.66
PCB-1260 Peak 6	7.07	7.04	7.10
PCB-1260 Peak 7	7.22	7.19	7.25
PCB-1260 Peak 8	8.23	8.20	8.26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Dec-2023 12:06:31 ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-007
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:25:04 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:55:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49659519	20.0	20.0	M
2	1.226	1.227	-0.001	46035912	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.912	2.912	0.000	30887994	1000.0	882.5	
1	3.402	3.403	-0.001	62955715	1000.0	952.8	M
1	3.946	3.947	-0.001	139484721	1000.0	933.1	M
1	4.111	4.111	0.000	59894671	1000.0	921.5	M
1	4.236	4.238	-0.002	49086894	1000.0	928.5	M
1	4.690	4.689	0.001	43524050	1000.0	919.8	M
1	4.836	4.838	-0.002	47721154	1000.0	820.4	M
1	5.204	5.204	0.000	28548890	1000.0	726.5	M
		Average of Peak Amounts =				885.6	
2	2.189	2.189	0.000	38437835	1000.0	808.3	
2	2.550	2.549	0.001	81198600	1000.0	937.6	
2	2.750	2.750	0.000	53109278	1000.0	935.3	
2	3.030	3.030	0.000	172714030	1000.0	957.0	
2	3.176	3.176	0.000	72194232	1000.0	950.7	
2	3.241	3.242	-0.001	46299017	1000.0	937.9	
2	3.633	3.633	0.000	73965139	1000.0	920.7	
2	4.062	4.062	0.000	34961594	1000.0	846.9	
		Average of Peak Amounts =				911.8	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.107	6.108	-0.001	39201163	1000.0	917.8	M
1	6.347	6.346	0.001	91808518	1000.0	918.7	M
1	6.677	6.679	-0.002	105567427	1000.0	911.5	M
1	7.455	7.455	0.000	91984643	1000.0	902.8	M
1	8.016	8.015	0.001	105430482	1000.0	917.3	M
1	8.544	8.544	0.000	257213270	1000.0	915.8	M
1	9.347	9.350	-0.003	187124399	1000.0	920.2	
1	10.233	10.236	-0.003	85832431	1000.0	906.2	
		Average of Peak Amounts =				913.8	
2	5.025	5.026	-0.001	103866627	1000.0	923.7	
2	5.351	5.351	0.000	194115413	1000.0	929.8	
2	5.840	5.841	-0.001	111043395	1000.0	900.8	
2	6.166	6.166	0.000	165190745	1000.0	924.4	
2	6.631	6.628	0.003	280814854	1000.0	925.9	
2	7.069	7.072	-0.003	133248054	1000.0	929.1	
2	7.221	7.219	0.002	86389868	1000.0	920.9	
2	8.229	8.233	-0.004	90536528	1000.0	921.2	
		Average of Peak Amounts =				922.0	
						RPD = 0.89	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

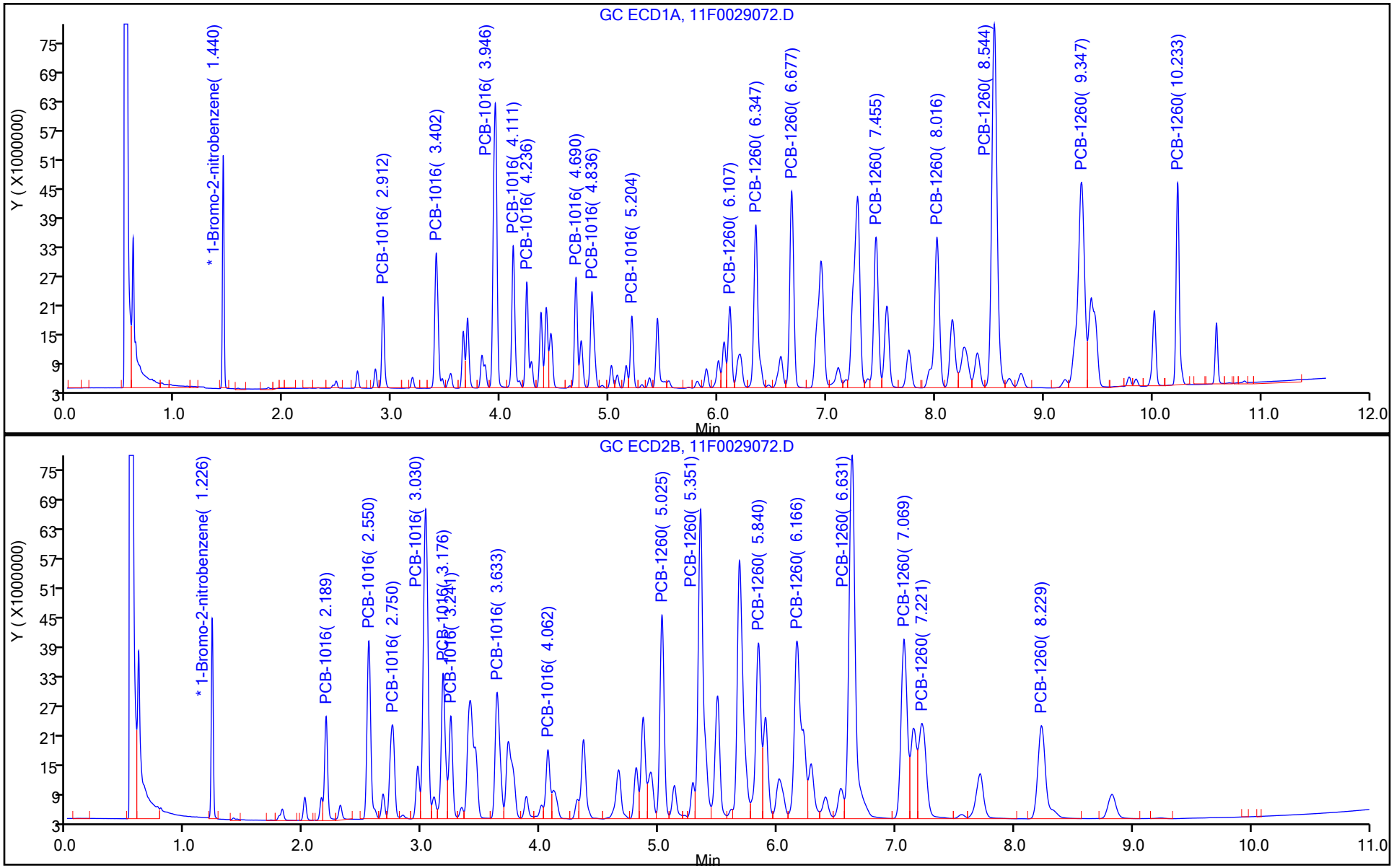
SGPCBICV_00032	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:25:20 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D

Injection Date:	21-Dec-2023 12:06:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

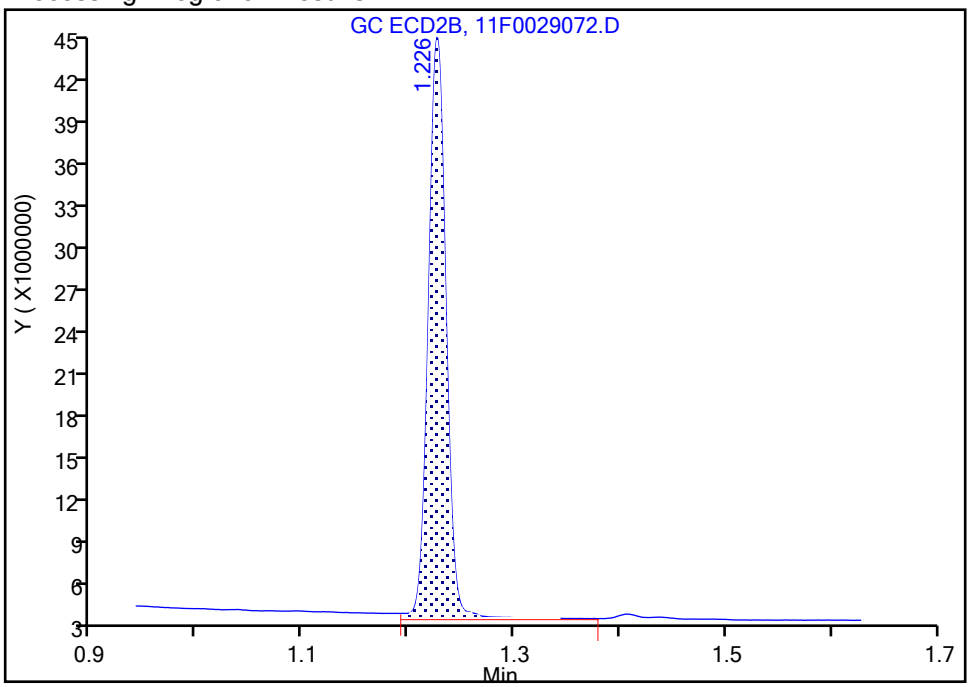
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

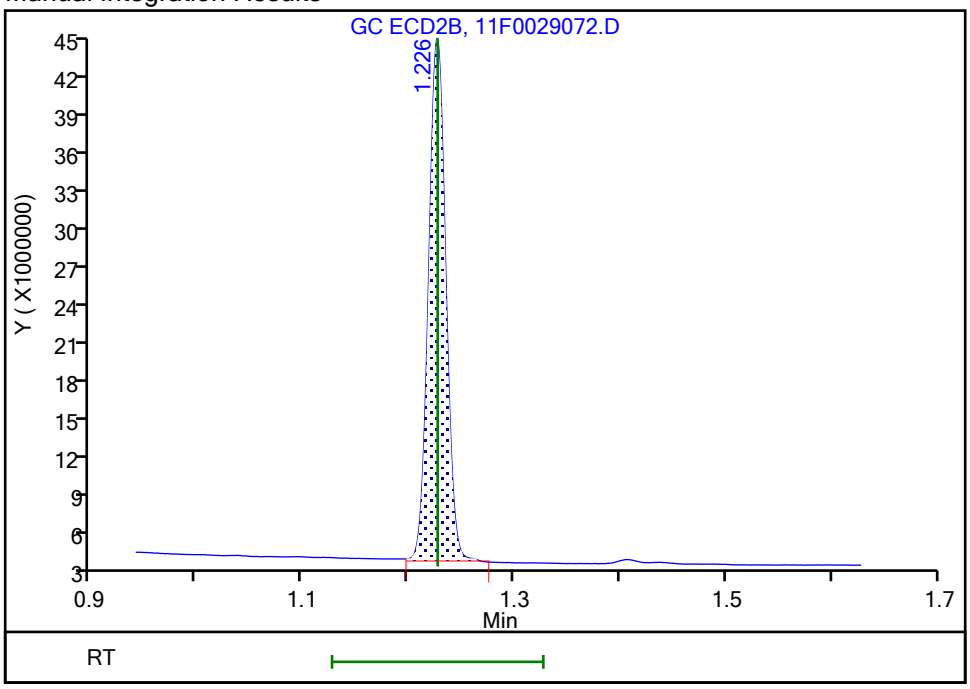
Processing Integration Results

RT: 1.23
Area: 47462586
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 46035912
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 12:54:56 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0141	0.0141		1000	1000	0.0	20.0
PCB-1016 Peak 2	Ave	0.0266	0.0262		983	1000	-1.7	20.0
PCB-1016 Peak 3	Ave	0.0602	0.0595		988	1000	-1.2	20.0
PCB-1016 Peak 4	Ave	0.0262	0.0253		967	1000	-3.3	20.0
PCB-1016 Peak 5	Ave	0.0213	0.0171		801	1000	-19.9	20.0
PCB-1016 Peak 6	Ave	0.0191	0.0190		995	1000	-0.5	20.0
PCB-1016 Peak 7	Ave	0.0234	0.0239		1020	1000	1.9	20.0
PCB-1016 Peak 8	Ave	0.0158	0.0156		983	1000	-1.7	20.0
PCB-1260 Peak 1	Ave	0.0172	0.0168		975	1000	-2.5	20.0
PCB-1260 Peak 2	Ave	0.0402	0.0394		980	1000	-2.0	20.0
PCB-1260 Peak 3	Ave	0.0466	0.0467		1000	1000	0.2	20.0
PCB-1260 Peak 4	Ave	0.0410	0.0419		1020	1000	2.1	20.0
PCB-1260 Peak 5	Ave	0.0463	0.0463		1000	1000	0.0	20.0
PCB-1260 Peak 6	Ave	0.1131	0.1221		1080	1000	8.0	20.0
PCB-1260 Peak 7	Ave	0.0819	0.0861		1050	1000	5.2	20.0
PCB-1260 Peak 8	Ave	0.0381	0.0406		1060	1000	6.3	20.0
Tetrachloro-m-xylene	Ave	0.7852	0.8430		107	100	7.4	20.0
DCB Decachlorobiphenyl	Ave	1.011	1.068		106	100	5.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.86	2.83	2.89
PCB-1016 Peak 2	3.35	3.32	3.38
PCB-1016 Peak 3	3.89	3.86	3.92
PCB-1016 Peak 4	4.05	4.02	4.08
PCB-1016 Peak 5	4.18	4.15	4.21
PCB-1016 Peak 6	4.63	4.60	4.66
PCB-1016 Peak 7	4.78	4.75	4.81
PCB-1016 Peak 8	5.14	5.11	5.17
PCB-1260 Peak 1	6.03	6.00	6.06
PCB-1260 Peak 2	6.27	6.24	6.30
PCB-1260 Peak 3	6.60	6.57	6.63
PCB-1260 Peak 4	7.36	7.33	7.39
PCB-1260 Peak 5	7.91	7.88	7.94
PCB-1260 Peak 6	8.43	8.40	8.46
PCB-1260 Peak 7	9.22	9.19	9.25
PCB-1260 Peak 8	10.17	10.14	10.20
Tetrachloro-m-xylene	2.27	2.24	2.30
DCB Decachlorobiphenyl	10.80	10.77	10.83

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 05:54:52 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:46:01 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.413	0.000	47107127	20.0	20.0	
2	1.205	1.205	0.000	40132371	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.274	2.274	0.000	198556341	100.0	107.4	
2	1.798	1.798	0.000	260747906	100.0	118.8	
						RPD = 10.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.864	2.864	0.000	33227471	1000.0	1000.7	
1	3.350	3.350	0.000	61616249	1000.0	983.0	
1	3.891	3.891	0.000	140059779	1000.0	987.7	
1	4.054	4.054	0.000	59618983	1000.0	967.0	
1	4.180	4.180	0.000	40174541	1000.0	801.1	
1	4.629	4.629	0.000	44676418	1000.0	995.3	
1	4.777	4.777	0.000	56205994	1000.0	1018.6	
1	5.143	5.143	0.000	36642077	1000.0	983.0	
		Average of Peak Amounts =				967.1	
2	2.152	2.152	0.000	46648143	1000.0	1125.3	
2	2.508	2.508	0.000	85495584	1000.0	1132.5	
2	2.703	2.703	0.000	56115418	1000.0	1133.6	
2	2.985	2.985	0.000	180755979	1000.0	1148.8	
2	3.129	3.129	0.000	75834813	1000.0	1145.6	
2	3.193	3.193	0.000	49721252	1000.0	1155.4	
2	3.582	3.582	0.000	79972416	1000.0	1141.9	
2	4.010	4.010	0.000	41473907	1000.0	1152.4	
		Average of Peak Amounts =				1141.9	
						RPD = 16.58	
8 PCB-1260							
1	6.033	6.033	0.000	39503956	1000.0	975.0	
1	6.265	6.265	0.000	92880343	1000.0	979.8	
1	6.595	6.595	0.000	110053031	1000.0	1001.8	
1	7.358	7.358	0.000	98645211	1000.0	1020.6	
1	7.908	7.908	0.000	109101123	1000.0	1000.7	
1	8.431	8.431	0.000	287627656	1000.0	1079.5	
1	9.223	9.223	0.000	202839220	1000.0	1051.6	
1	10.170	10.170	0.000	95547471	1000.0	1063.4	
		Average of Peak Amounts =				1021.6	
2	4.969	4.969	0.000	112731756	1000.0	1150.0	
2	5.292	5.292	0.000	210848468	1000.0	1158.5	
2	5.777	5.777	0.000	121074906	1000.0	1126.6	
2	6.094	6.094	0.000	180299173	1000.0	1157.4	
2	6.552	6.552	0.000	310854077	1000.0	1175.7	
2	6.984	6.984	0.000	144142367	1000.0	1153.0	
2	7.139	7.139	0.000	94952696	1000.0	1161.1	
2	8.130	8.130	0.000	99510804	1000.0	1161.4	
		Average of Peak Amounts =				1155.5	
						RPD = 12.30	
$ 11 DCB Decachlorobiphenyl							
1	10.799	10.799	0.000	251476007	100.0	105.6	
2	9.128	9.128	0.000	277891716	100.0	116.2	
						RPD = 9.56	

Reagents:

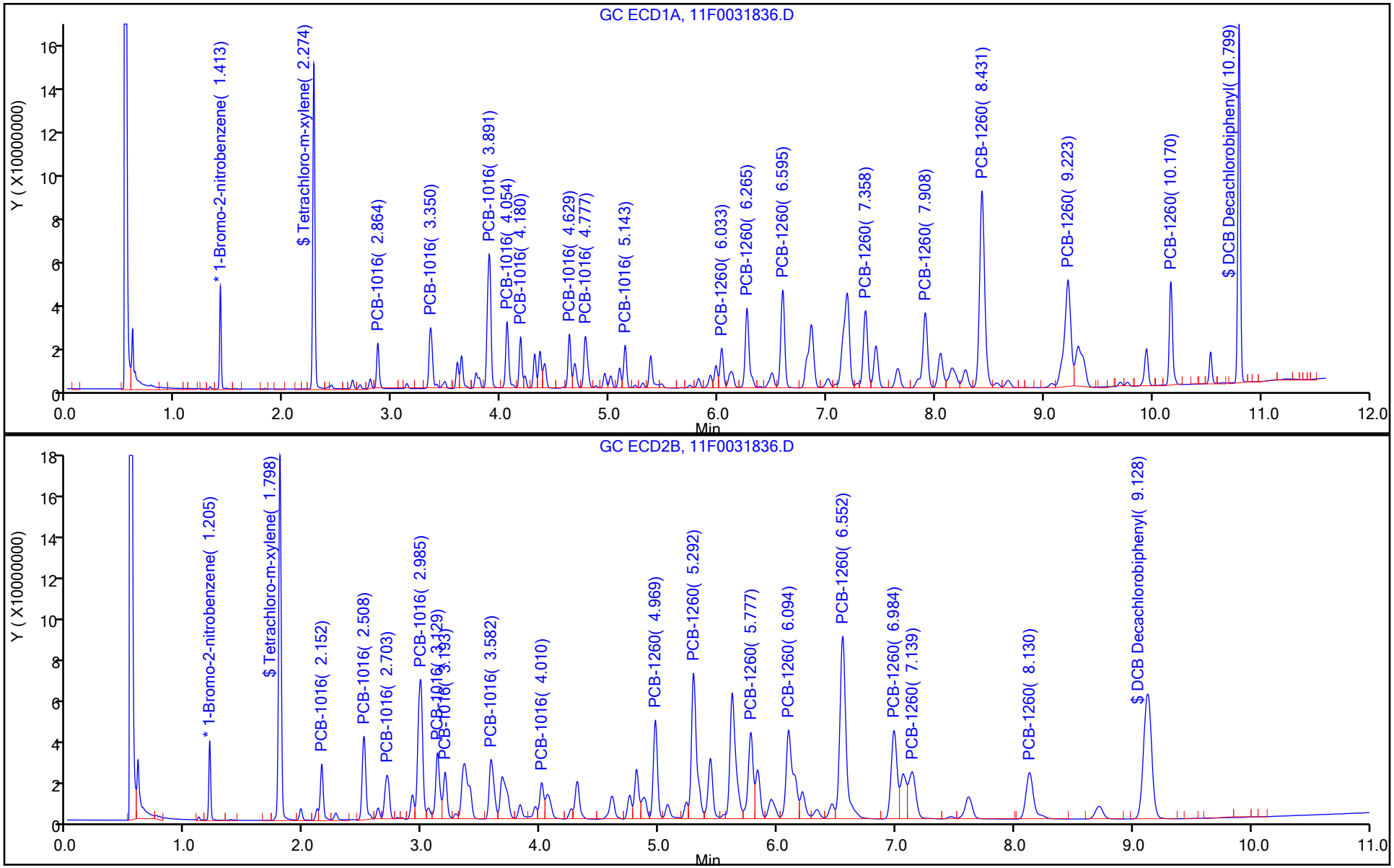
SG1660L3_00043	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 12:46:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D

Injection Date:	22-Mar-2024 05:54:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0207	0.0232		1130	1000	12.5	20.0
PCB-1016 Peak 2	Ave	0.0376	0.0426		1130	1000	13.2	20.0
PCB-1016 Peak 3	Ave	0.0247	0.0280		1130	1000	13.4	20.0
PCB-1016 Peak 4	Ave	0.0784	0.0901		1150	1000	14.9	20.0
PCB-1016 Peak 5	Ave	0.0330	0.0378		1150	1000	14.6	20.0
PCB-1016 Peak 6	Ave	0.0214	0.0248		1160	1000	15.5	20.0
PCB-1016 Peak 7	Ave	0.0349	0.0399		1140	1000	14.2	20.0
PCB-1016 Peak 8	Ave	0.0179	0.0207		1150	1000	15.2	20.0
PCB-1260 Peak 1	Ave	0.0489	0.0562		1150	1000	15.0	20.0
PCB-1260 Peak 2	Ave	0.0907	0.1051		1160	1000	15.8	20.0
PCB-1260 Peak 3	Ave	0.0536	0.0603		1130	1000	12.7	20.0
PCB-1260 Peak 4	Ave	0.0776	0.0899		1160	1000	15.7	20.0
PCB-1260 Peak 5	Ave	0.1318	0.1549		1180	1000	17.6	20.0
PCB-1260 Peak 6	Ave	0.0623	0.0718		1150	1000	15.3	20.0
PCB-1260 Peak 7	Ave	0.0408	0.0473		1160	1000	16.1	20.0
PCB-1260 Peak 8	Ave	0.0427	0.0496		1160	1000	16.1	20.0
Tetrachloro-m-xylene	Ave	1.094	1.299		119	100	18.8	20.0
DCB Decachlorobiphenyl	Ave	1.192	1.385		116	100	16.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.12	2.18
PCB-1016 Peak 2	2.51	2.48	2.54
PCB-1016 Peak 3	2.70	2.67	2.73
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1016 Peak 5	3.13	3.10	3.16
PCB-1016 Peak 6	3.19	3.16	3.22
PCB-1016 Peak 7	3.58	3.55	3.61
PCB-1016 Peak 8	4.01	3.98	4.04
PCB-1260 Peak 1	4.97	4.94	5.00
PCB-1260 Peak 2	5.29	5.26	5.32
PCB-1260 Peak 3	5.78	5.75	5.81
PCB-1260 Peak 4	6.09	6.06	6.12
PCB-1260 Peak 5	6.55	6.52	6.58
PCB-1260 Peak 6	6.98	6.95	7.01
PCB-1260 Peak 7	7.14	7.11	7.17
PCB-1260 Peak 8	8.13	8.10	8.16
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	9.13	9.03	9.23

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 05:54:52 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:46:01 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.413	0.000	47107127	20.0	20.0	
2	1.205	1.205	0.000	40132371	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.274	2.274	0.000	198556341	100.0	107.4	
2	1.798	1.798	0.000	260747906	100.0	118.8	
						RPD = 10.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.864	2.864	0.000	33227471	1000.0	1000.7	
1	3.350	3.350	0.000	61616249	1000.0	983.0	
1	3.891	3.891	0.000	140059779	1000.0	987.7	
1	4.054	4.054	0.000	59618983	1000.0	967.0	
1	4.180	4.180	0.000	40174541	1000.0	801.1	
1	4.629	4.629	0.000	44676418	1000.0	995.3	
1	4.777	4.777	0.000	56205994	1000.0	1018.6	
1	5.143	5.143	0.000	36642077	1000.0	983.0	
		Average of Peak Amounts =				967.1	
2	2.152	2.152	0.000	46648143	1000.0	1125.3	
2	2.508	2.508	0.000	85495584	1000.0	1132.5	
2	2.703	2.703	0.000	56115418	1000.0	1133.6	
2	2.985	2.985	0.000	180755979	1000.0	1148.8	
2	3.129	3.129	0.000	75834813	1000.0	1145.6	
2	3.193	3.193	0.000	49721252	1000.0	1155.4	
2	3.582	3.582	0.000	79972416	1000.0	1141.9	
2	4.010	4.010	0.000	41473907	1000.0	1152.4	
		Average of Peak Amounts =				1141.9	
						RPD = 16.58	
8 PCB-1260							
1	6.033	6.033	0.000	39503956	1000.0	975.0	
1	6.265	6.265	0.000	92880343	1000.0	979.8	
1	6.595	6.595	0.000	110053031	1000.0	1001.8	
1	7.358	7.358	0.000	98645211	1000.0	1020.6	
1	7.908	7.908	0.000	109101123	1000.0	1000.7	
1	8.431	8.431	0.000	287627656	1000.0	1079.5	
1	9.223	9.223	0.000	202839220	1000.0	1051.6	
1	10.170	10.170	0.000	95547471	1000.0	1063.4	
		Average of Peak Amounts =				1021.6	
2	4.969	4.969	0.000	112731756	1000.0	1150.0	
2	5.292	5.292	0.000	210848468	1000.0	1158.5	
2	5.777	5.777	0.000	121074906	1000.0	1126.6	
2	6.094	6.094	0.000	180299173	1000.0	1157.4	
2	6.552	6.552	0.000	310854077	1000.0	1175.7	
2	6.984	6.984	0.000	144142367	1000.0	1153.0	
2	7.139	7.139	0.000	94952696	1000.0	1161.1	
2	8.130	8.130	0.000	99510804	1000.0	1161.4	
		Average of Peak Amounts =				1155.5	
						RPD = 12.30	
$ 11 DCB Decachlorobiphenyl							
1	10.799	10.799	0.000	251476007	100.0	105.6	
2	9.128	9.128	0.000	277891716	100.0	116.2	
						RPD = 9.56	

Reagents:

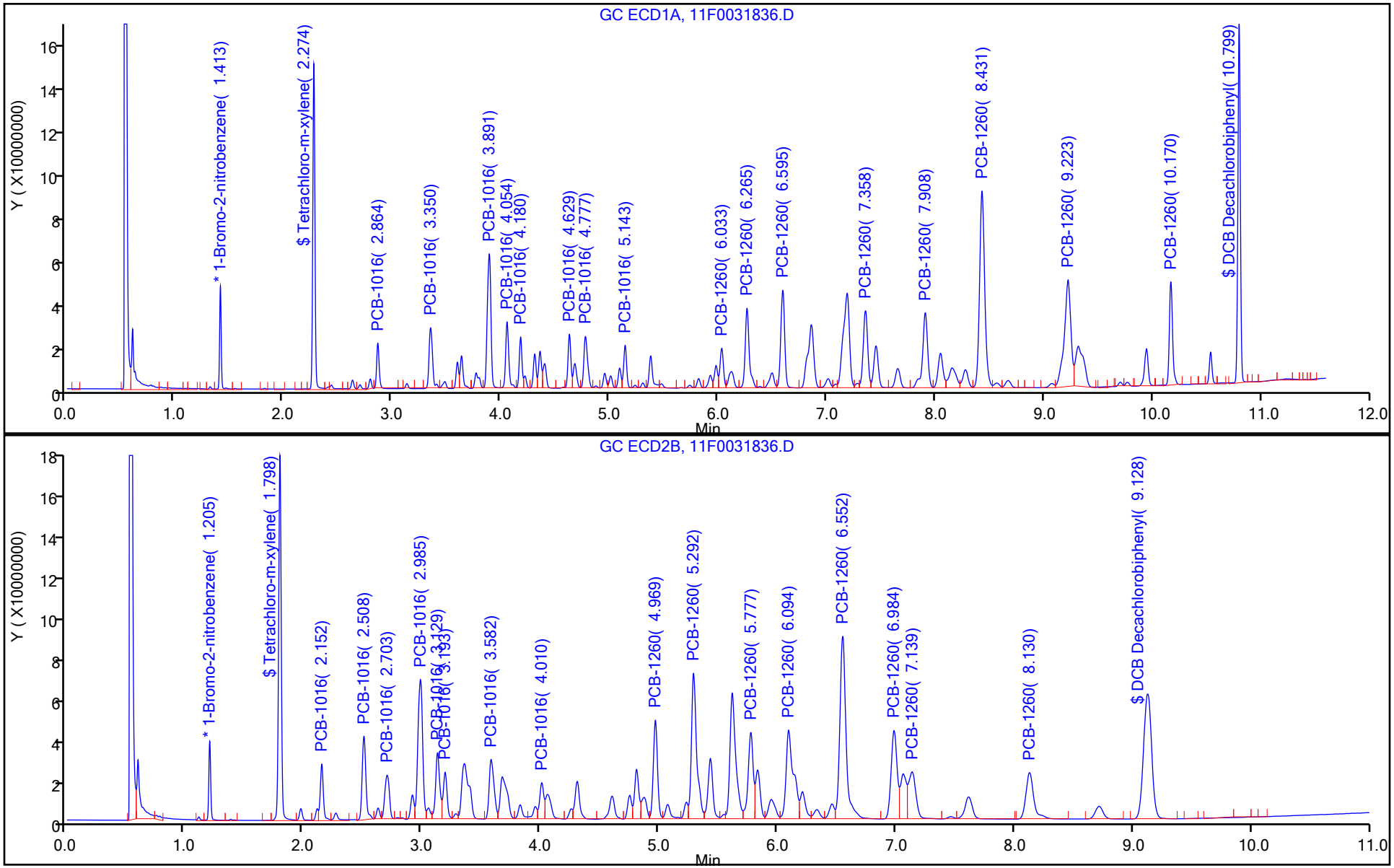
SG1660L3_00043	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 12:46:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D

Injection Date:	22-Mar-2024 05:54:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965331/1-A

Matrix: Water | Lab File ID: 11F0031844.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.40*	*U*	*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*0.40*	*U*	*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.40*	*U*	*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		10-150
877-09-8	Tetrachloro-m-xylene	81		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D
Lims ID: MB 460-965331/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 08:08:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-010
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	42448469	20.0	20.0	
2	1.205	1.205	0.000	39973882	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	134469512	100.0	80.7	
2	1.798	1.798	0.000	184699514	100.0	84.5	
						RPD = 4.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.794	10.799	-0.005	161755608	100.0	75.4	
2	9.127	9.128	-0.001	194700206	100.0	81.7	
						RPD = 8.09	

Reagents:

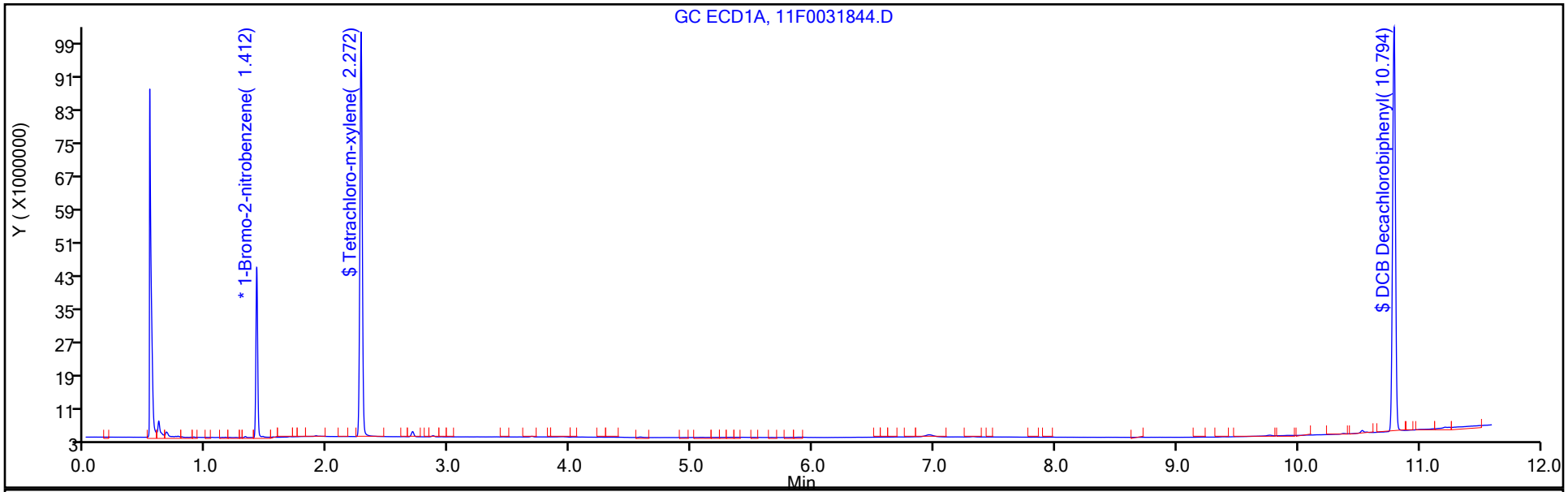
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

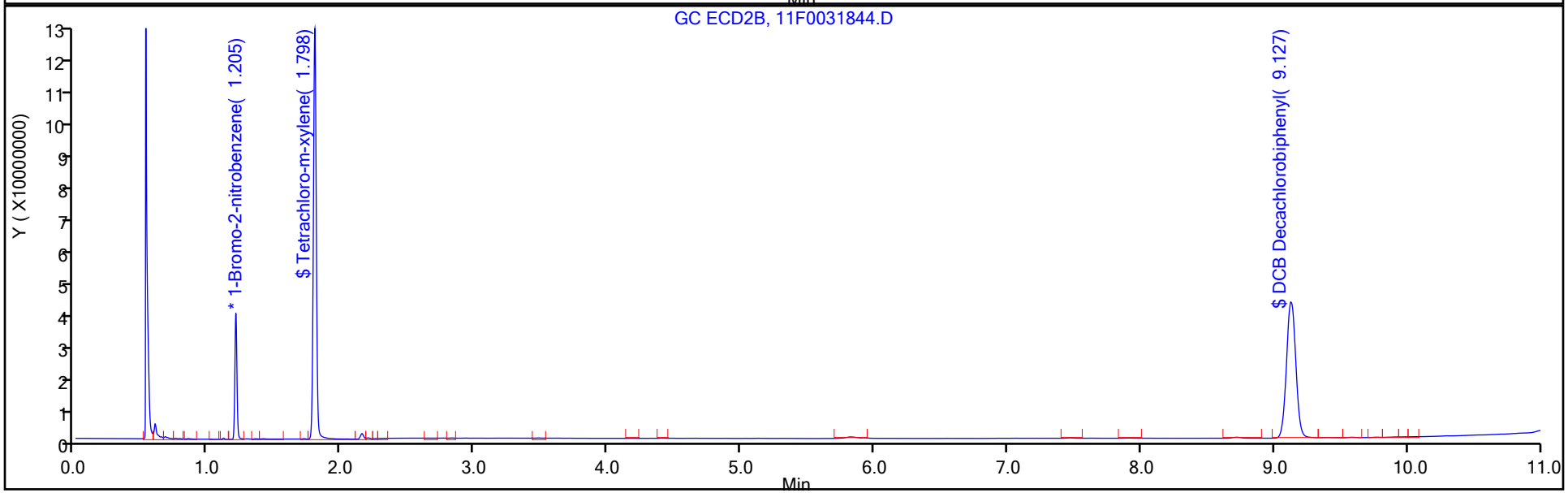
Report Date: 22-Mar-2024 12:45:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D

Injection Date:	22-Mar-2024 08:08:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-965331/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D				
Lims ID:	MB 460-965331/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	22-Mar-2024 08:08:39	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-010				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 12:44:06		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.7	80.69
$ 11 DCB Decachlorobiphenyl	100.0	75.4	75.38

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.5	84.48
$ 11 DCB Decachlorobiphenyl	100.0	81.7	81.73

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965331/1-A

Matrix: Water | Lab File ID: 11F0031844.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		10-150
877-09-8	Tetrachloro-m-xylene	84		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D
Lims ID: MB 460-965331/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 08:08:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-010
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	42448469	20.0	20.0	
2	1.205	1.205	0.000	39973882	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	134469512	100.0	80.7	
2	1.798	1.798	0.000	184699514	100.0	84.5	
						RPD = 4.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.794	10.799	-0.005	161755608	100.0	75.4	
2	9.127	9.128	-0.001	194700206	100.0	81.7	
						RPD = 8.09	

Reagents:

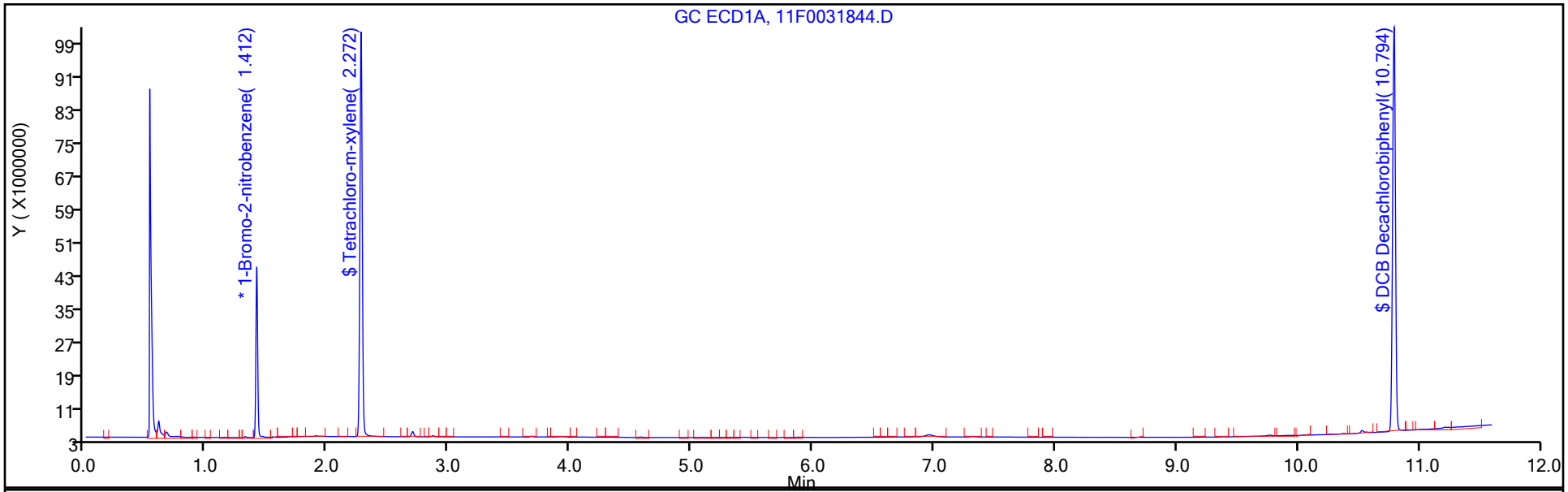
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

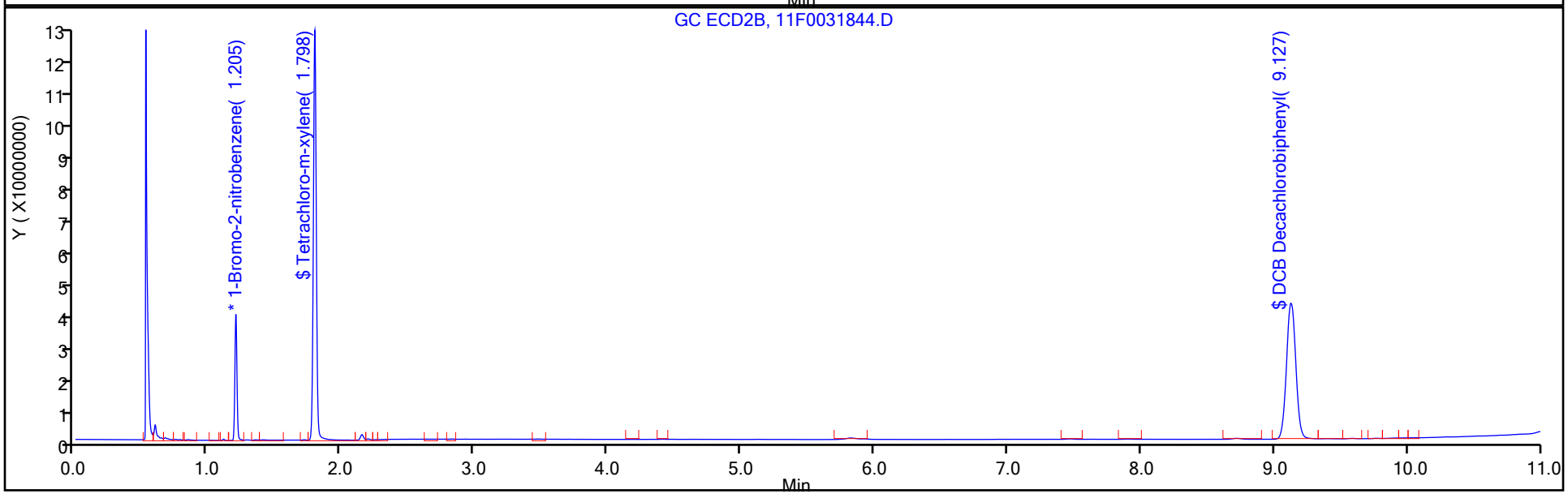
Report Date: 22-Mar-2024 12:45:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D

Injection Date:	22-Mar-2024 08:08:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-965331/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D				
Lims ID:	MB 460-965331/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	22-Mar-2024 08:08:39	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-010				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 12:44:06		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.7	80.69
$ 11 DCB Decachlorobiphenyl	100.0	75.4	75.38

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.5	84.48
$ 11 DCB Decachlorobiphenyl	100.0	81.7	81.73

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-965367/1

Matrix: Water | Lab File ID: 11F0031835.D

Analysis Method: 8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/22/2024 05:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-150
877-09-8	Tetrachloro-m-xylene	105		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.419	1.412	0.007	51563378	20.0	20.0	
2	1.198	1.205	-0.007	39080412	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.285	2.274	0.011	42310380	20.0	20.9	
2	1.787	1.798	-0.011	50779488	20.0	23.8	
						RPD = 12.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							a
1	10.841	10.799	0.042	44914956	20.0	17.2	a
2	9.120	9.128	-0.008	49841179	20.0	21.4	
						RPD = 21.59	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

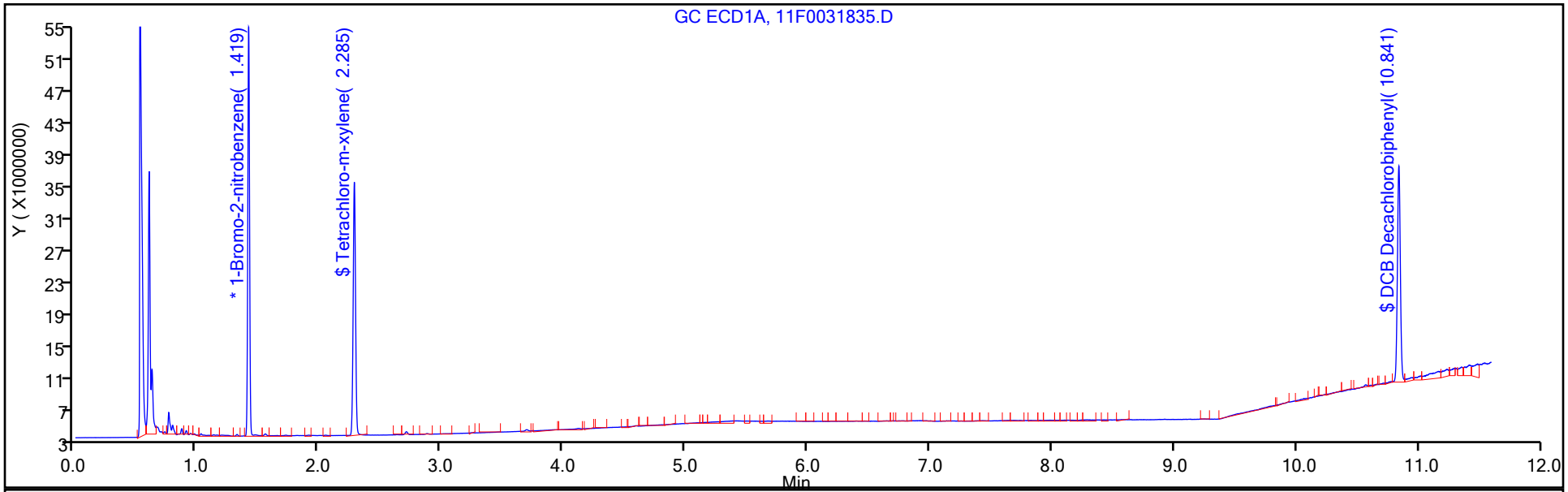
SGPIBLK_00035	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

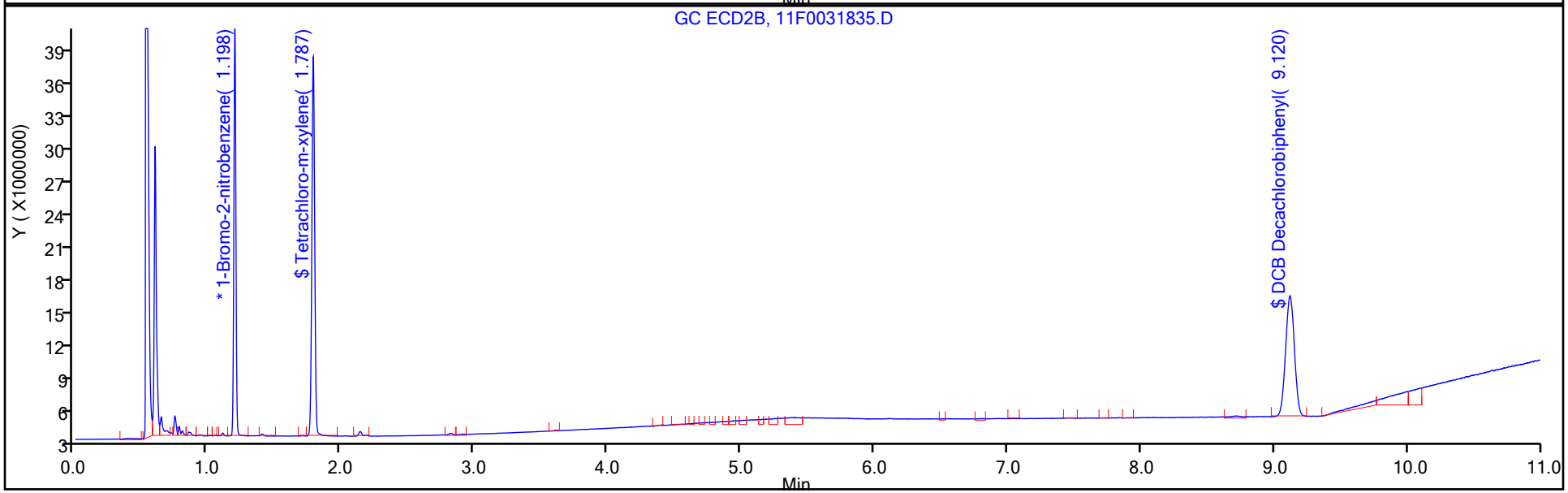
Report Date: 22-Mar-2024 12:46:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D

Injection Date:	22-Mar-2024 05:38:15	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	20.9	104.50
$ 11 DCB Decachlorobiphenyl	20.0	17.2	86.15

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	23.8	118.78
$ 11 DCB Decachlorobiphenyl	20.0	21.4	107.00

Manual Integration/User Assign Peak Report

Eurofins Edison

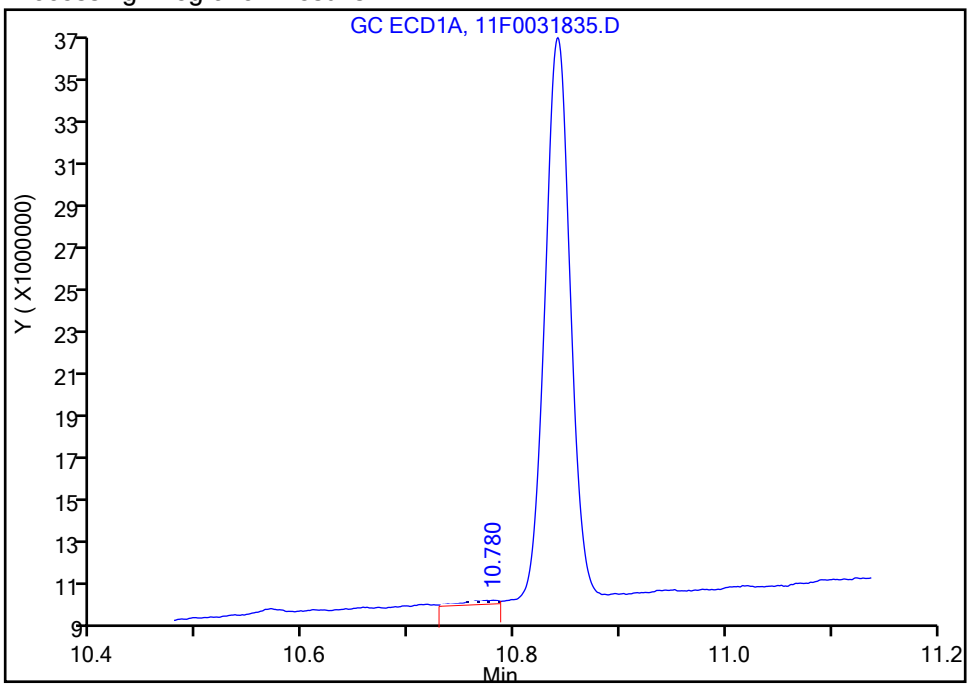
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Injection Date: 22-Mar-2024 05:38:15 Instrument ID: CPESTGC11
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

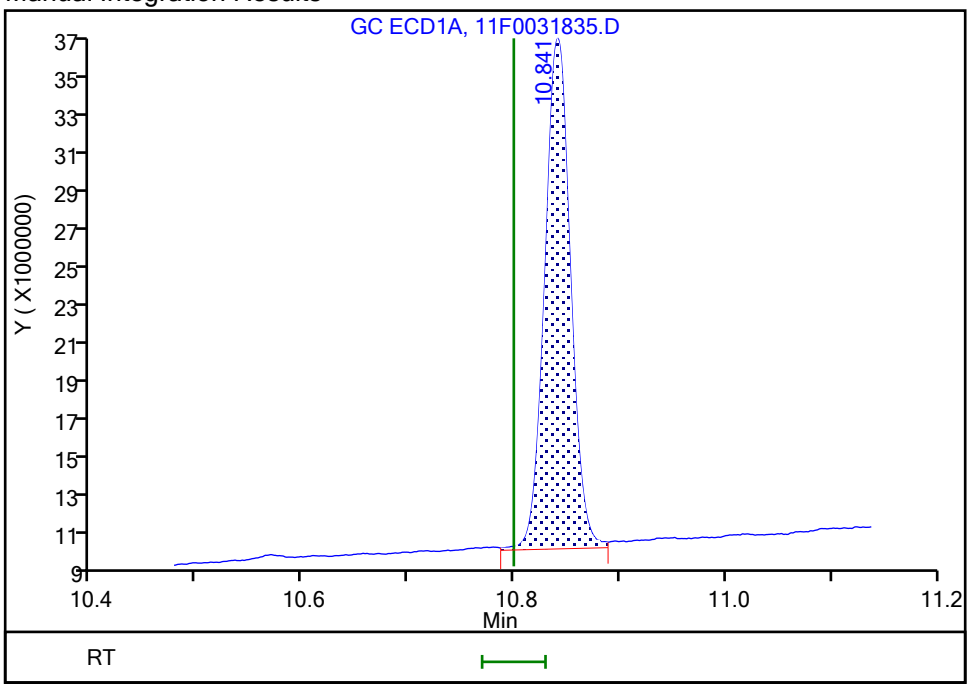
Processing Integration Results

RT: 10.78
Area: 300367
Amount: 0.115227
Amount Units: ug/l



Manual Integration Results

RT: 10.84
Area: 44914956
Amount: 17.230361
Amount Units: ug/l



Reviewer: ESS0, 22-Mar-2024 06:38:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-965367/1

Matrix: Water | Lab File ID: 11F0031835.D

Analysis Method: 8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/22/2024 05:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.40*	*U*	*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*0.40*	*U*	*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.40*	*U*	*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		10-150
877-09-8	Tetrachloro-m-xylene	119		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.419	1.412	0.007	51563378	20.0	20.0	
2	1.198	1.205	-0.007	39080412	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.285	2.274	0.011	42310380	20.0	20.9	
2	1.787	1.798	-0.011	50779488	20.0	23.8	
						RPD = 12.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							a
1	10.841	10.799	0.042	44914956	20.0	17.2	a
2	9.120	9.128	-0.008	49841179	20.0	21.4	
						RPD = 21.59	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

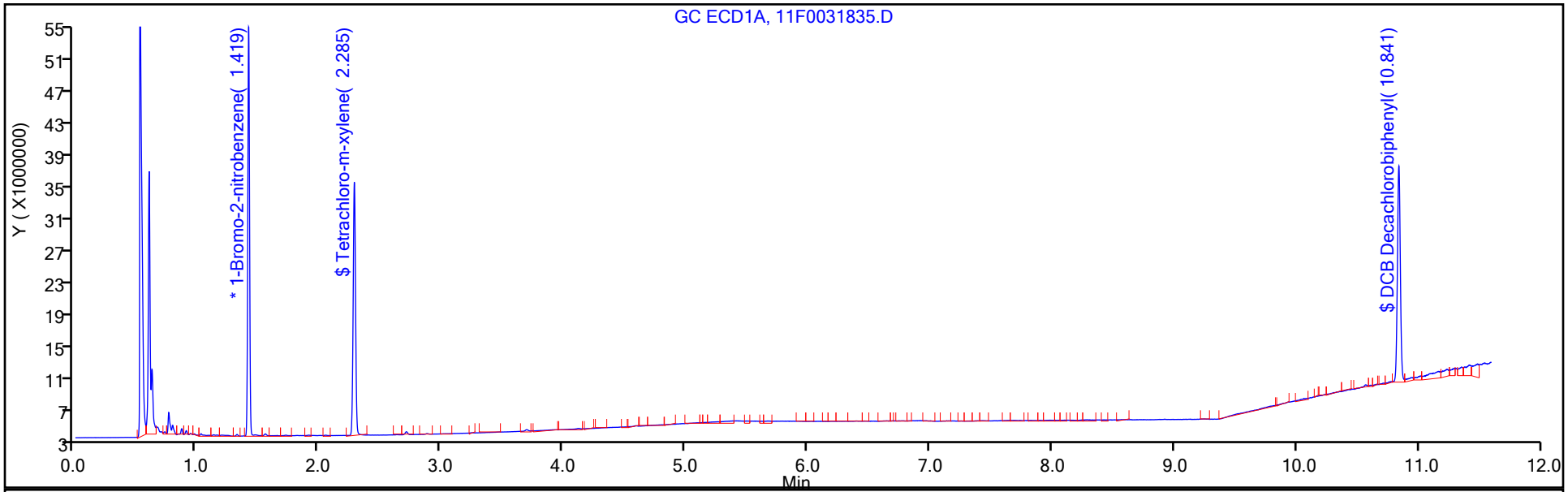
SGPIBLK_00035	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

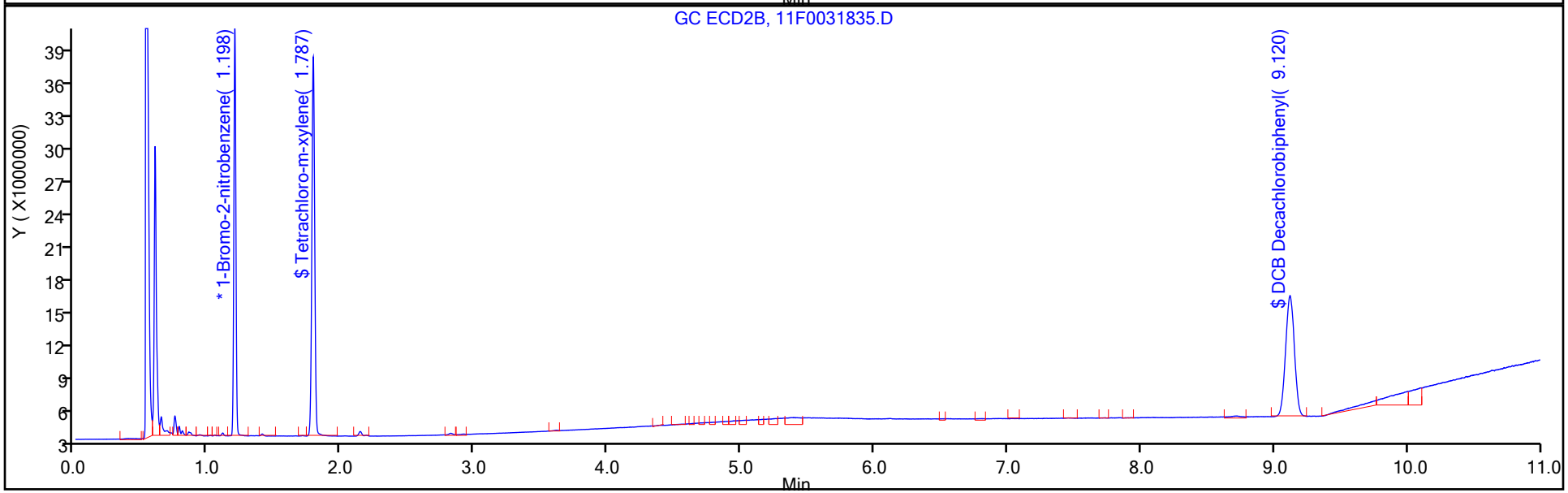
Report Date: 22-Mar-2024 12:46:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D

Injection Date:	22-Mar-2024 05:38:15	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	20.9	104.50
$ 11 DCB Decachlorobiphenyl	20.0	17.2	86.15

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	23.8	118.78
$ 11 DCB Decachlorobiphenyl	20.0	21.4	107.00

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965331/2-A

Matrix: Water | Lab File ID: 11F0031845.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*2.92*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*3.08*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*6.00*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		10-150
877-09-8	Tetrachloro-m-xylene	87		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.412	0.001	44566697	20.0	20.0	
2	1.206	1.205	0.001	42664286	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	152469098	100.0	87.1	
2	1.798	1.798	0.000	208024660	100.0	89.1	
						RPD = 2.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.861	2.864	-0.003	23694762	1000.0	754.3	
1	3.347	3.350	-0.003	41783573	1000.0	704.6	
1	3.888	3.891	-0.003	99533345	1000.0	742.0	
1	4.053	4.054	-0.001	42251486	1000.0	724.4	
1	4.176	4.180	-0.004	34639603	1000.0	730.1	
1	4.627	4.629	-0.002	30963781	1000.0	729.1	
1	4.774	4.777	-0.003	38553822	1000.0	738.5	
1	5.140	5.143	-0.003	25078242	1000.0	711.1	
		Average of Peak Amounts =				729.3	
2	2.152	2.152	0.000	34969650	1000.0	793.5	
2	2.508	2.508	0.000	62763922	1000.0	782.0	M
2	2.707	2.703	0.004	41432951	1000.0	787.3	M
2	2.986	2.985	0.001	131552637	1000.0	786.5	M
2	3.129	3.129	0.000	55567065	1000.0	789.6	M
2	3.196	3.193	0.003	36750755	1000.0	803.3	M
2	3.584	3.582	0.002	58237768	1000.0	782.2	M
2	4.009	4.010	-0.001	30864808	1000.0	806.7	M
		Average of Peak Amounts =				791.4	
						RPD = 8.17	
8 PCB-1260							
1	6.029	6.033	-0.004	28487830	1000.0	743.2	
1	6.262	6.265	-0.003	66338825	1000.0	739.7	
1	6.591	6.595	-0.004	79502777	1000.0	764.9	
1	7.352	7.358	-0.006	71283799	1000.0	779.6	
1	7.903	7.908	-0.005	77952357	1000.0	755.8	
1	8.427	8.431	-0.004	203211108	1000.0	806.2	
1	9.219	9.223	-0.004	143764012	1000.0	787.8	
1	10.166	10.170	-0.004	67002863	1000.0	788.3	
		Average of Peak Amounts =				770.7	
2	4.970	4.969	0.001	83458304	1000.0	800.9	
2	5.293	5.292	0.001	153096481	1000.0	791.2	
2	5.778	5.777	0.001	89456614	1000.0	783.0	
2	6.098	6.094	0.004	131349876	1000.0	793.1	
2	6.554	6.552	0.002	225860411	1000.0	803.5	
2	6.988	6.984	0.004	105326934	1000.0	792.5	
2	7.139	7.139	0.000	67667904	1000.0	778.4	
2	8.133	8.130	0.003	72620379	1000.0	797.3	
		Average of Peak Amounts =				792.5	
						RPD = 2.79	
$ 11 DCB Decachlorobiphenyl							
1	10.798	10.799	-0.001	197789683	100.0	87.8	
2	9.132	9.128	0.004	228540495	100.0	89.9	
						RPD = 2.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

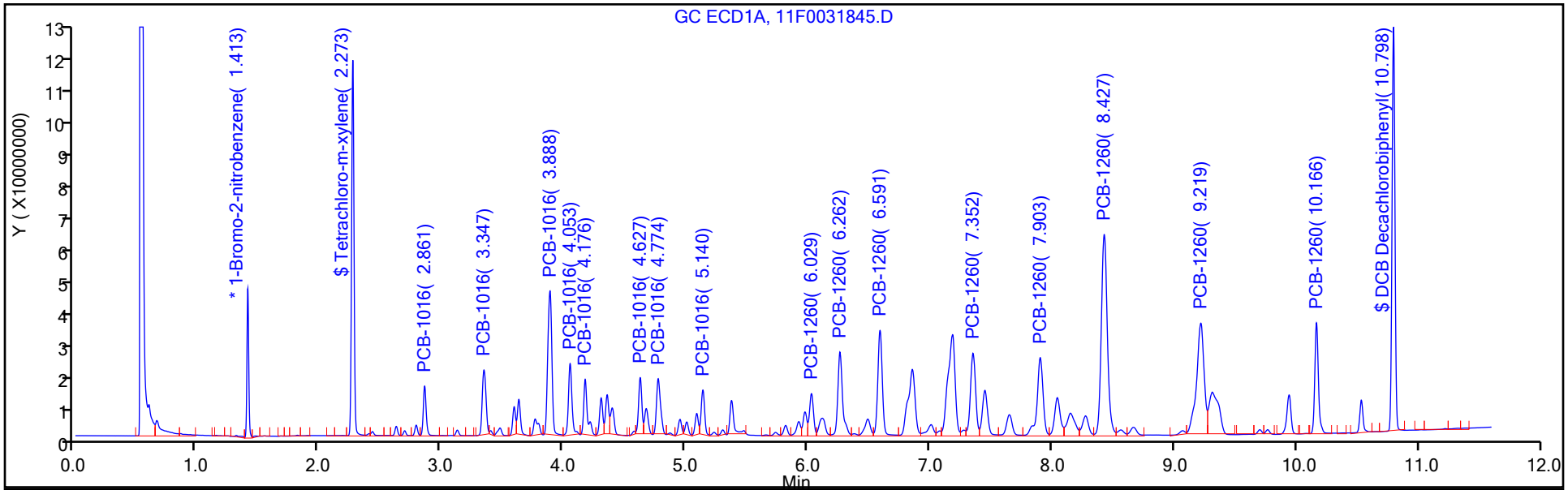
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

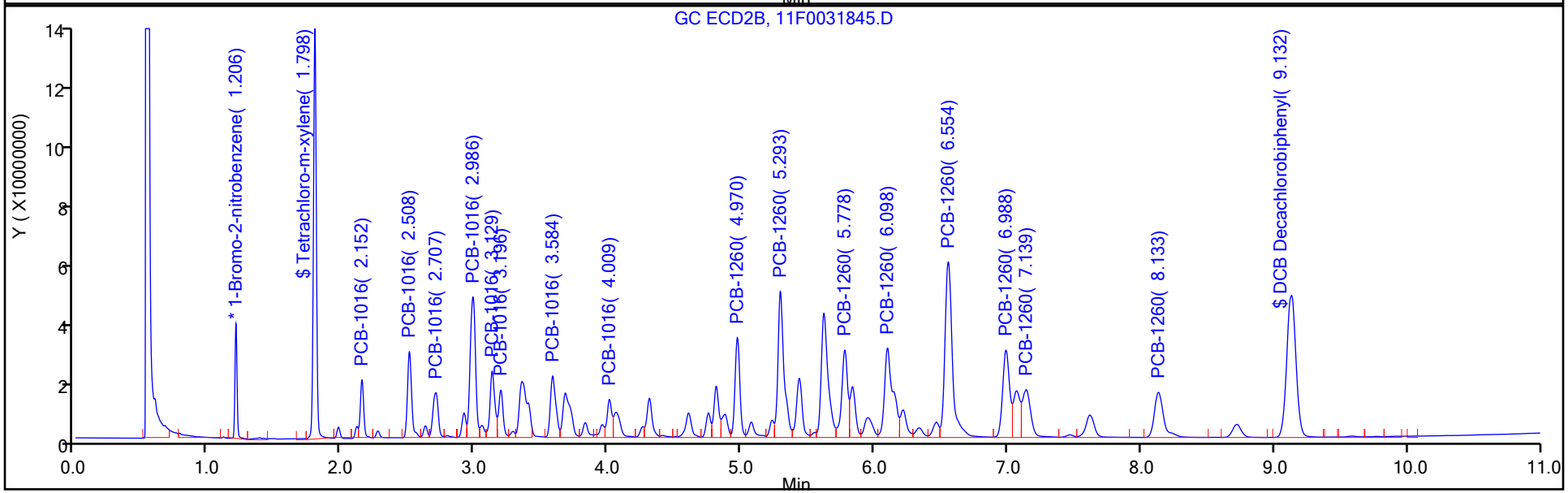
Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date:	22-Mar-2024 08:25:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-965331/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D				
Lims ID:	LCS 460-965331/2-A				
Client ID:					
Sample Type:	LCS				
Inject. Date:	22-Mar-2024 08:25:21	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-011				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 12:44:01		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.1	87.14
$ 11 DCB Decachlorobiphenyl	100.0	87.8	87.79

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.1	89.15
$ 11 DCB Decachlorobiphenyl	100.0	89.9	89.89

Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11

Lims ID: LCS 460-965331/2-A

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

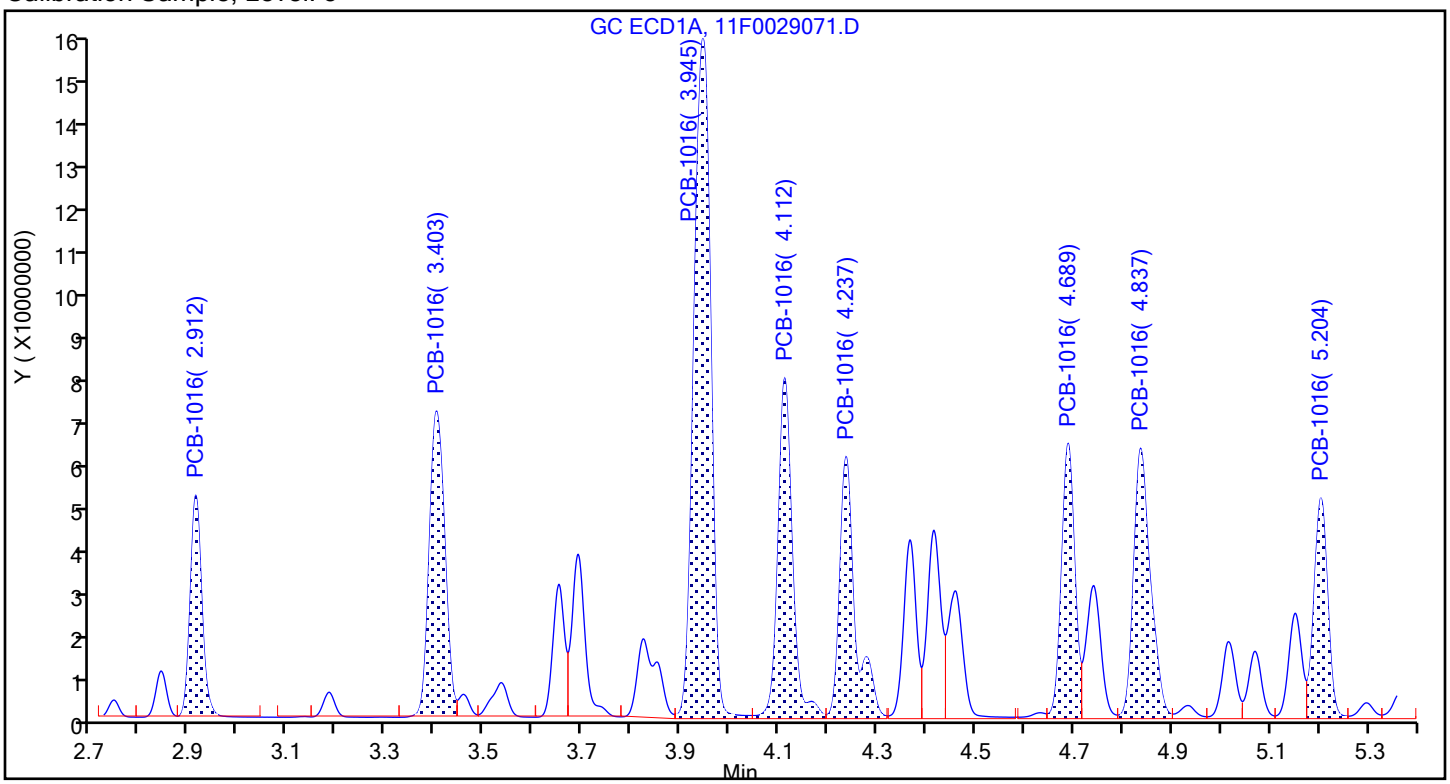
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

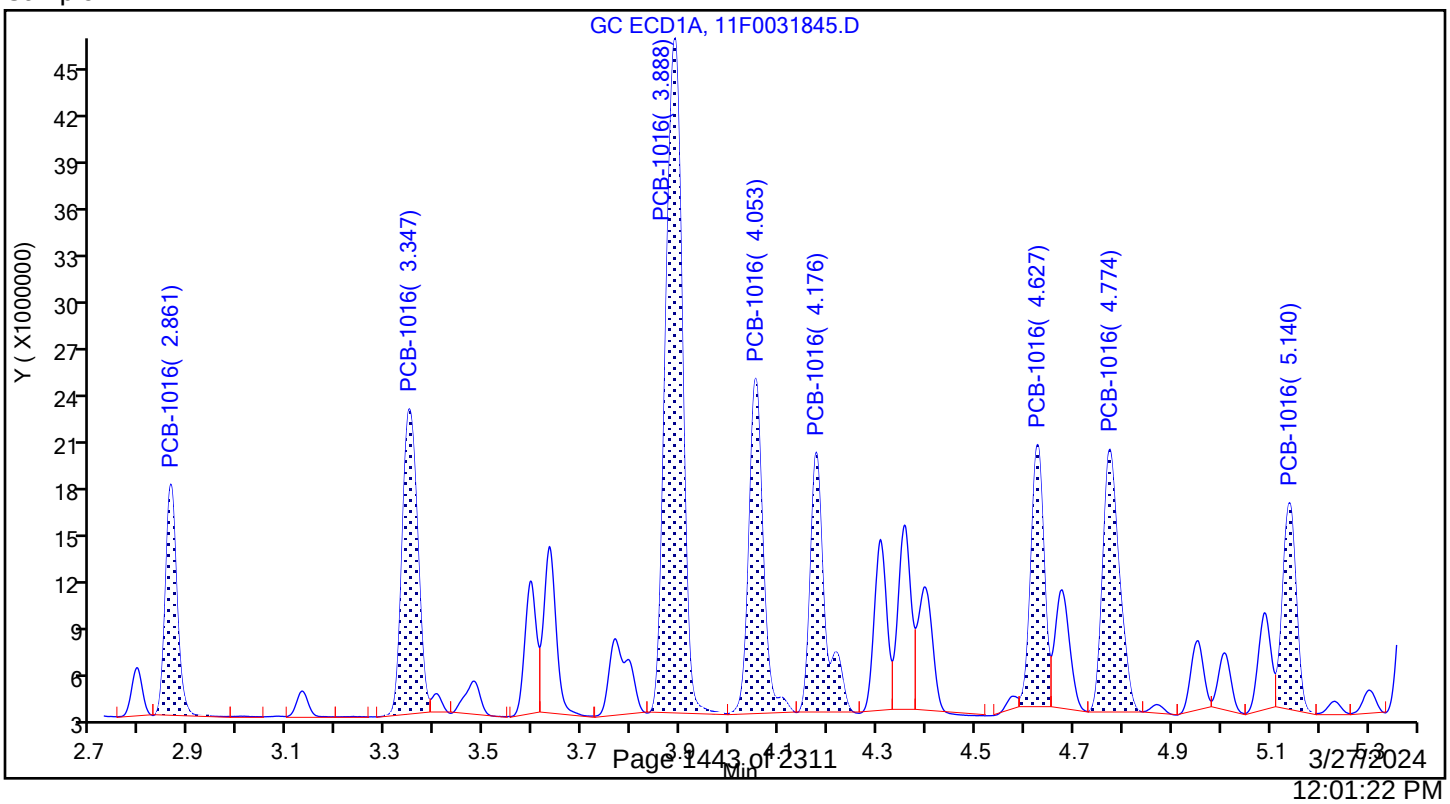
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



Sample



Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11

Lims ID: LCS 460-965331/2-A

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

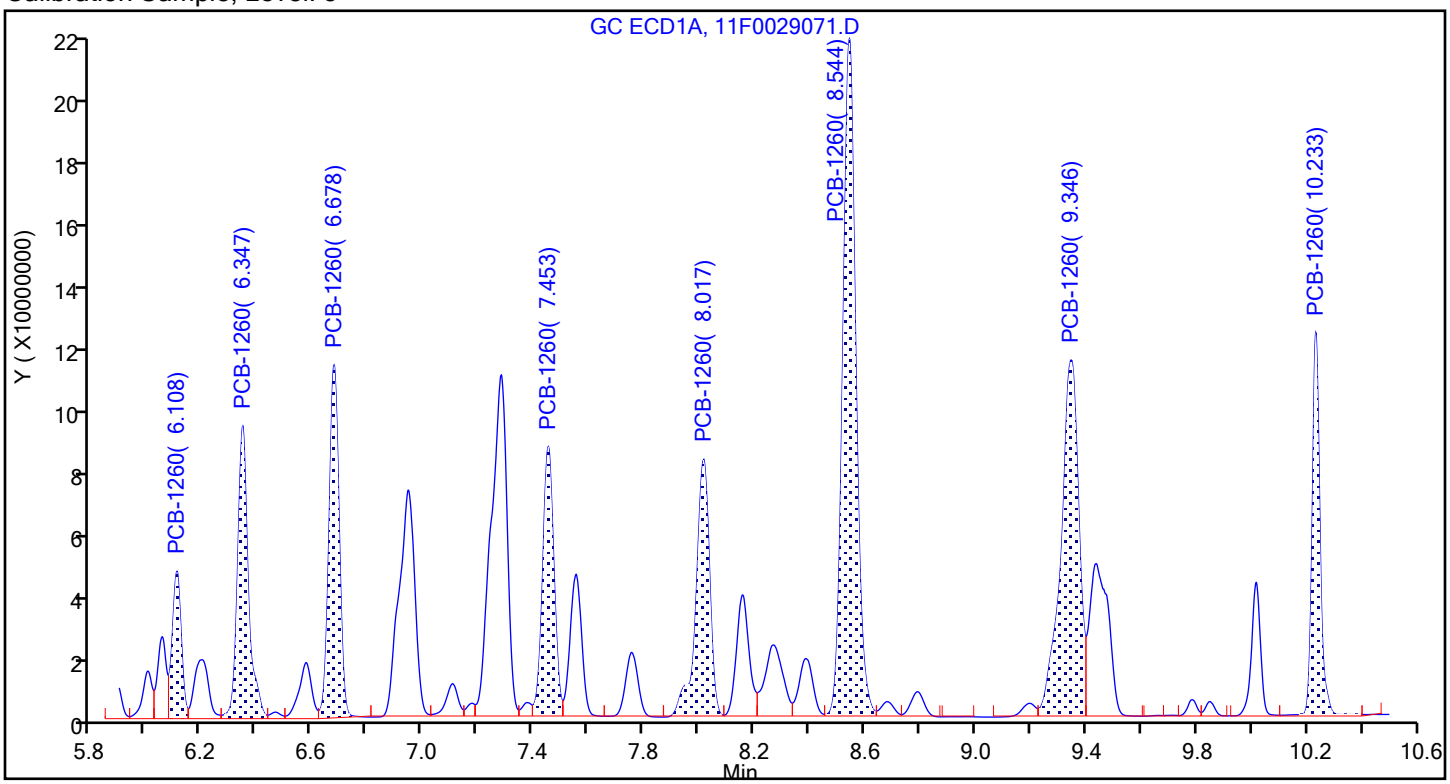
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



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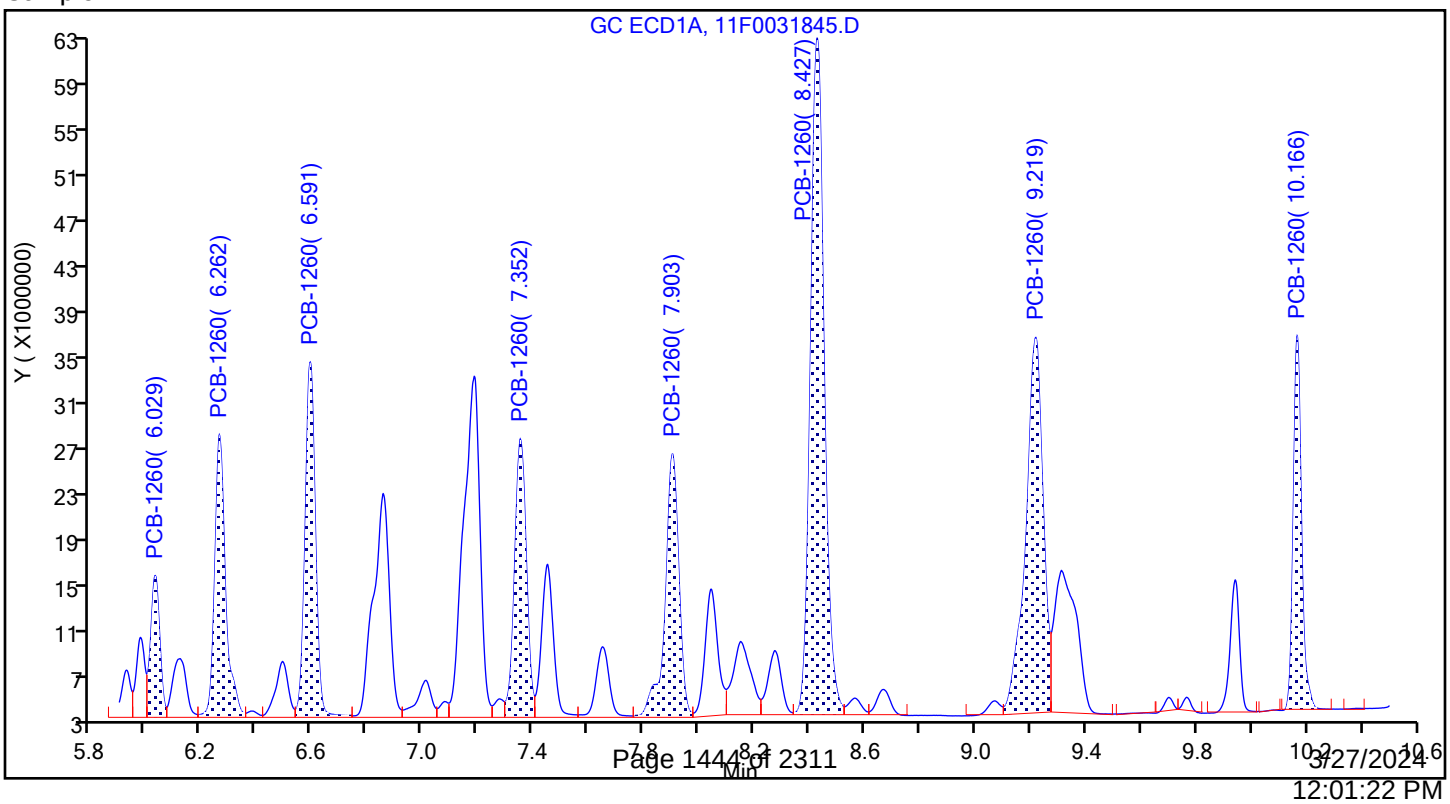


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965331/2-A

Matrix: Water | Lab File ID: 11F0031845.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.17		0.40	0.12
11096-82-5	Aroclor 1260	3.17		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	6.34		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		10-150
877-09-8	Tetrachloro-m-xylene	89		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.412	0.001	44566697	20.0	20.0	
2	1.206	1.205	0.001	42664286	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	152469098	100.0	87.1	
2	1.798	1.798	0.000	208024660	100.0	89.1	
						RPD = 2.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.861	2.864	-0.003	23694762	1000.0	754.3	
1	3.347	3.350	-0.003	41783573	1000.0	704.6	
1	3.888	3.891	-0.003	99533345	1000.0	742.0	
1	4.053	4.054	-0.001	42251486	1000.0	724.4	
1	4.176	4.180	-0.004	34639603	1000.0	730.1	
1	4.627	4.629	-0.002	30963781	1000.0	729.1	
1	4.774	4.777	-0.003	38553822	1000.0	738.5	
1	5.140	5.143	-0.003	25078242	1000.0	711.1	
		Average of Peak Amounts =				729.3	
2	2.152	2.152	0.000	34969650	1000.0	793.5	
2	2.508	2.508	0.000	62763922	1000.0	782.0	M
2	2.707	2.703	0.004	41432951	1000.0	787.3	M
2	2.986	2.985	0.001	131552637	1000.0	786.5	M
2	3.129	3.129	0.000	55567065	1000.0	789.6	M
2	3.196	3.193	0.003	36750755	1000.0	803.3	M
2	3.584	3.582	0.002	58237768	1000.0	782.2	M
2	4.009	4.010	-0.001	30864808	1000.0	806.7	M
		Average of Peak Amounts =				791.4	
						RPD = 8.17	
8 PCB-1260							
1	6.029	6.033	-0.004	28487830	1000.0	743.2	
1	6.262	6.265	-0.003	66338825	1000.0	739.7	
1	6.591	6.595	-0.004	79502777	1000.0	764.9	
1	7.352	7.358	-0.006	71283799	1000.0	779.6	
1	7.903	7.908	-0.005	77952357	1000.0	755.8	
1	8.427	8.431	-0.004	203211108	1000.0	806.2	
1	9.219	9.223	-0.004	143764012	1000.0	787.8	
1	10.166	10.170	-0.004	67002863	1000.0	788.3	
		Average of Peak Amounts =				770.7	
2	4.970	4.969	0.001	83458304	1000.0	800.9	
2	5.293	5.292	0.001	153096481	1000.0	791.2	
2	5.778	5.777	0.001	89456614	1000.0	783.0	
2	6.098	6.094	0.004	131349876	1000.0	793.1	
2	6.554	6.552	0.002	225860411	1000.0	803.5	
2	6.988	6.984	0.004	105326934	1000.0	792.5	
2	7.139	7.139	0.000	67667904	1000.0	778.4	
2	8.133	8.130	0.003	72620379	1000.0	797.3	
		Average of Peak Amounts =				792.5	
						RPD = 2.79	
$ 11 DCB Decachlorobiphenyl							
1	10.798	10.799	-0.001	197789683	100.0	87.8	
2	9.132	9.128	0.004	228540495	100.0	89.9	
						RPD = 2.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

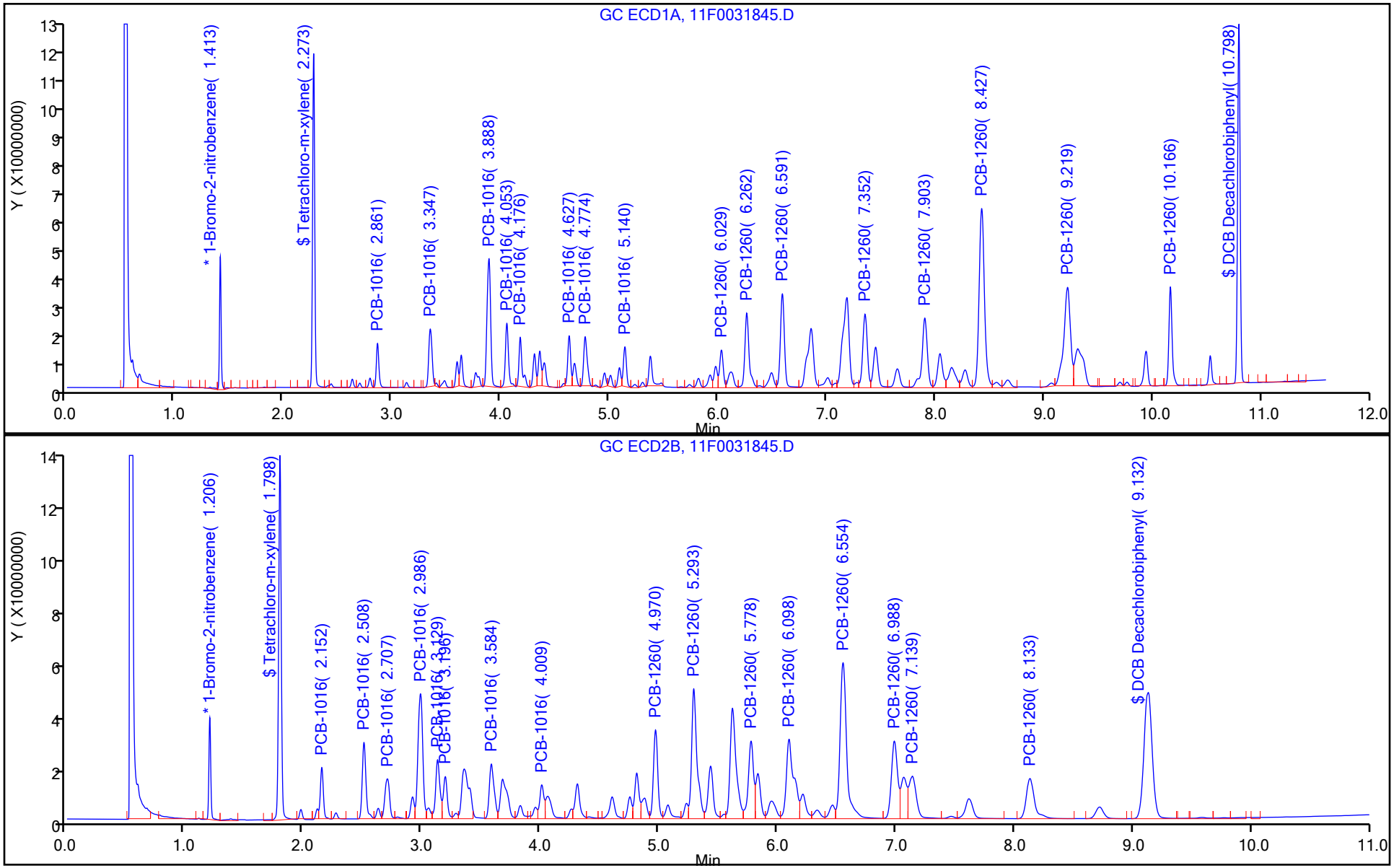
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date:	22-Mar-2024 08:25:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-965331/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.1	87.14
$ 11 DCB Decachlorobiphenyl	100.0	87.8	87.79

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.1	89.15
$ 11 DCB Decachlorobiphenyl	100.0	89.9	89.89

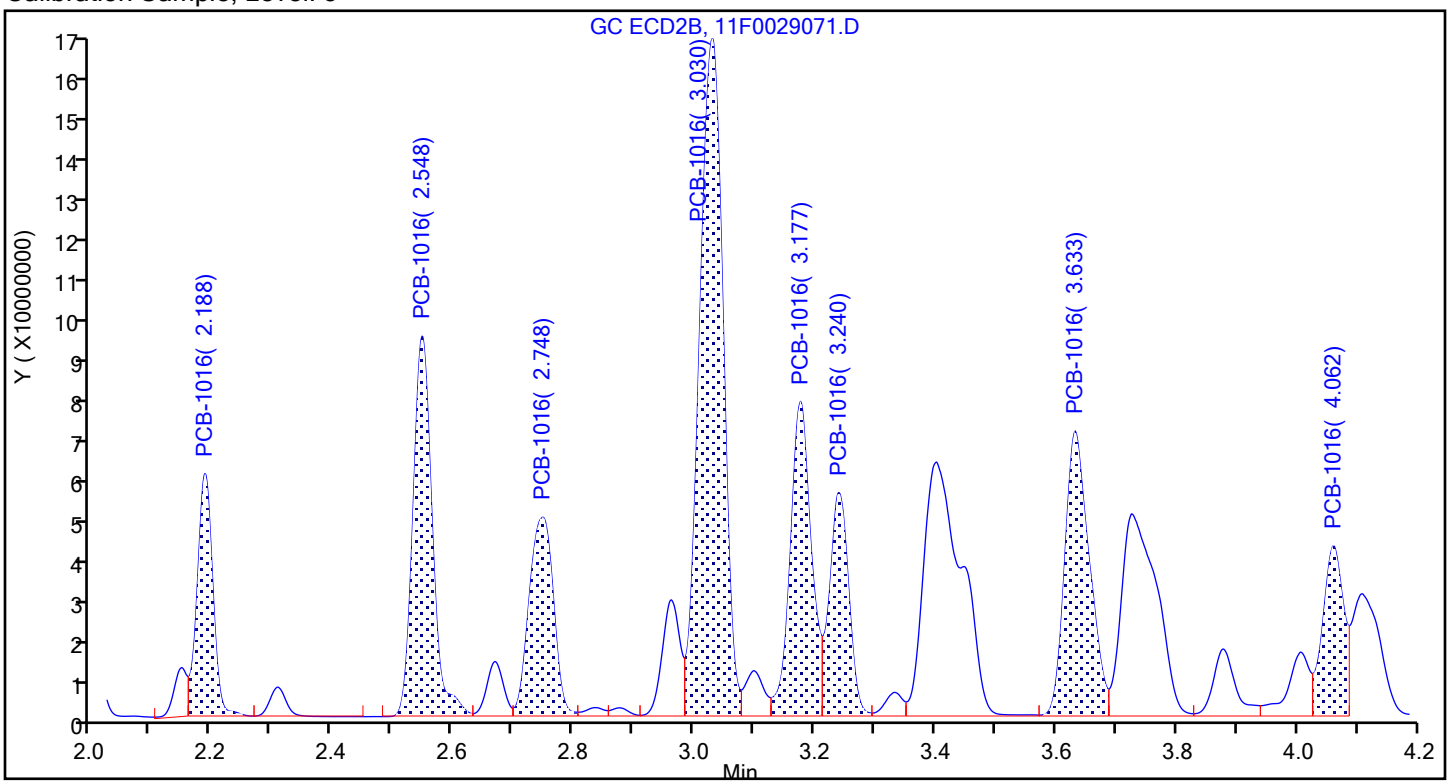
Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11
Lims ID: LCS 460-965331/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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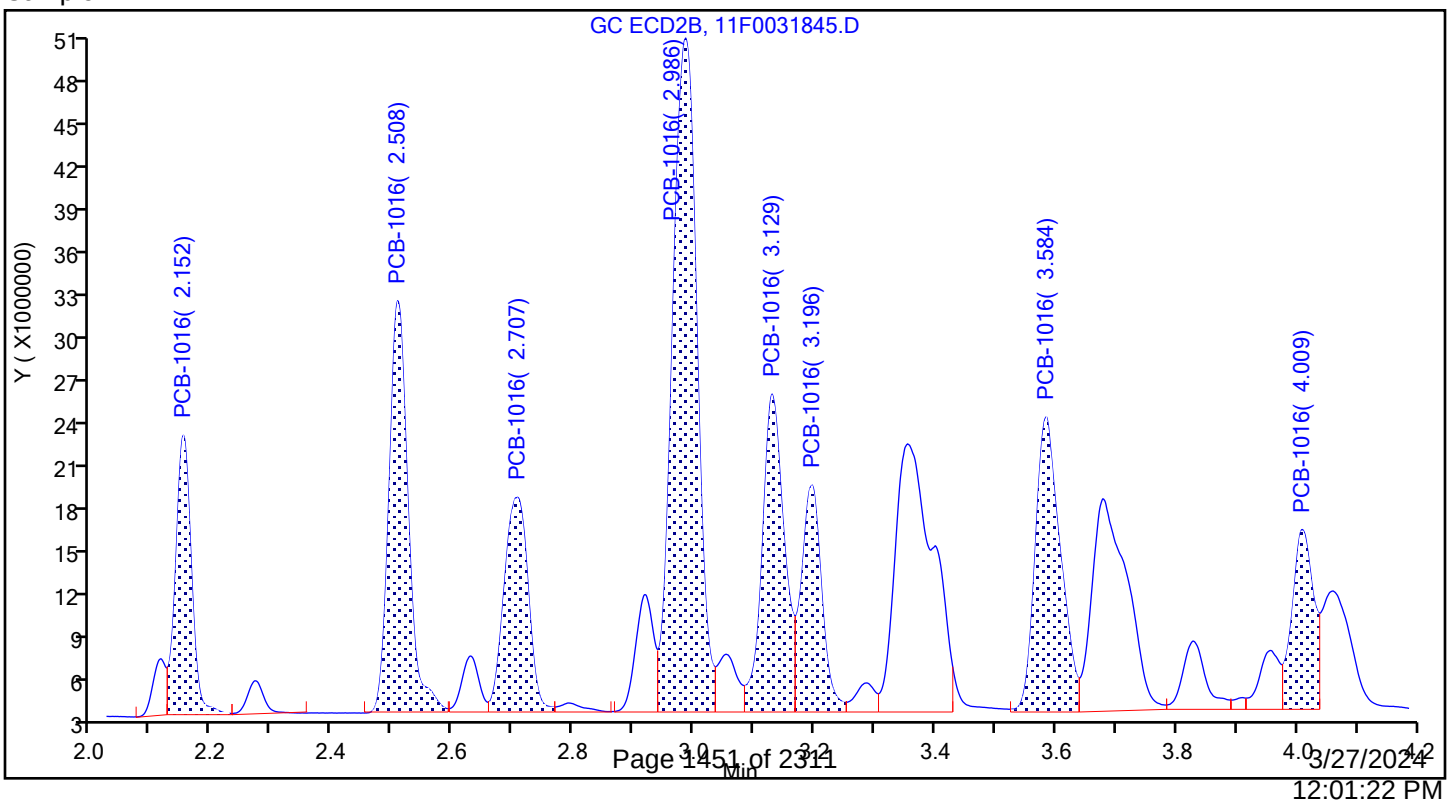


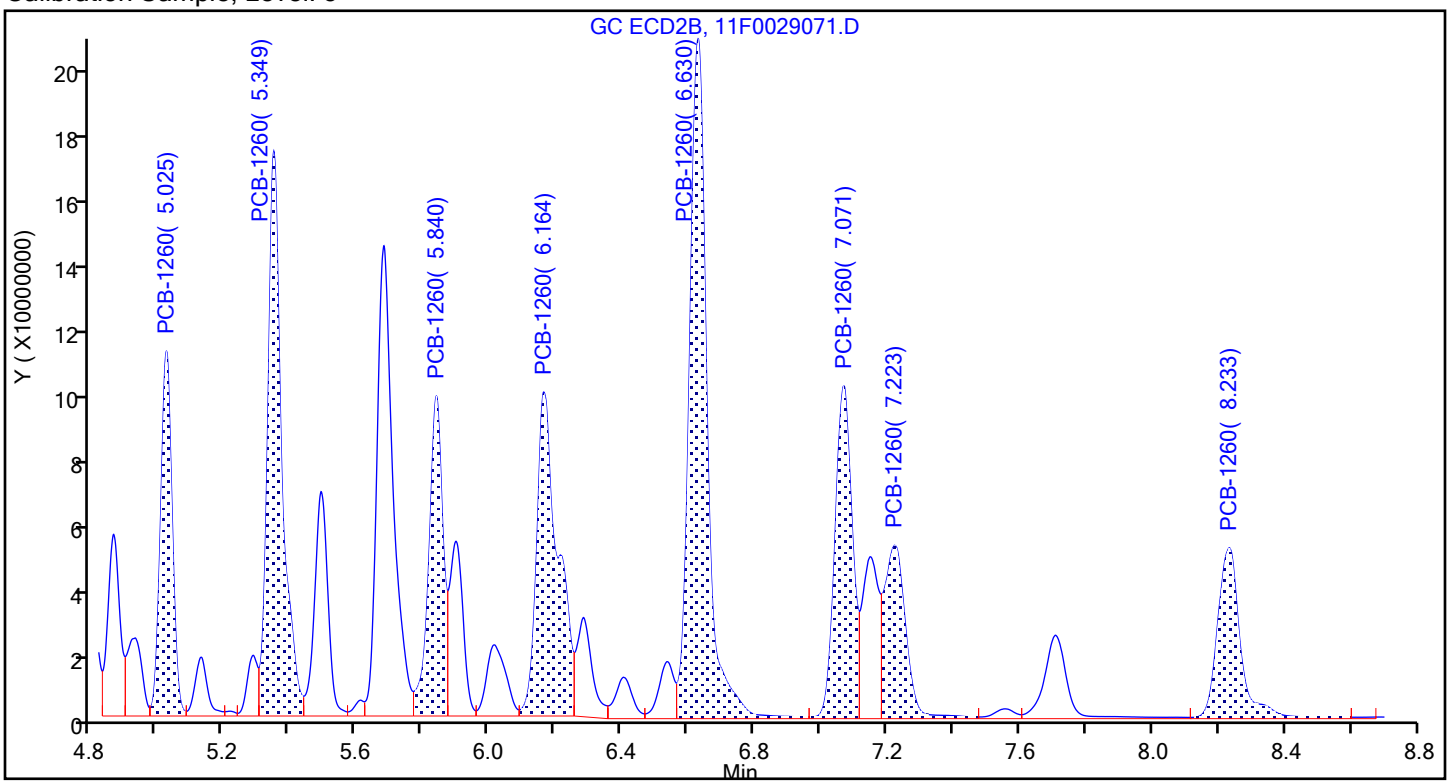
Report Date: 22-Mar-2024 12:45:20 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

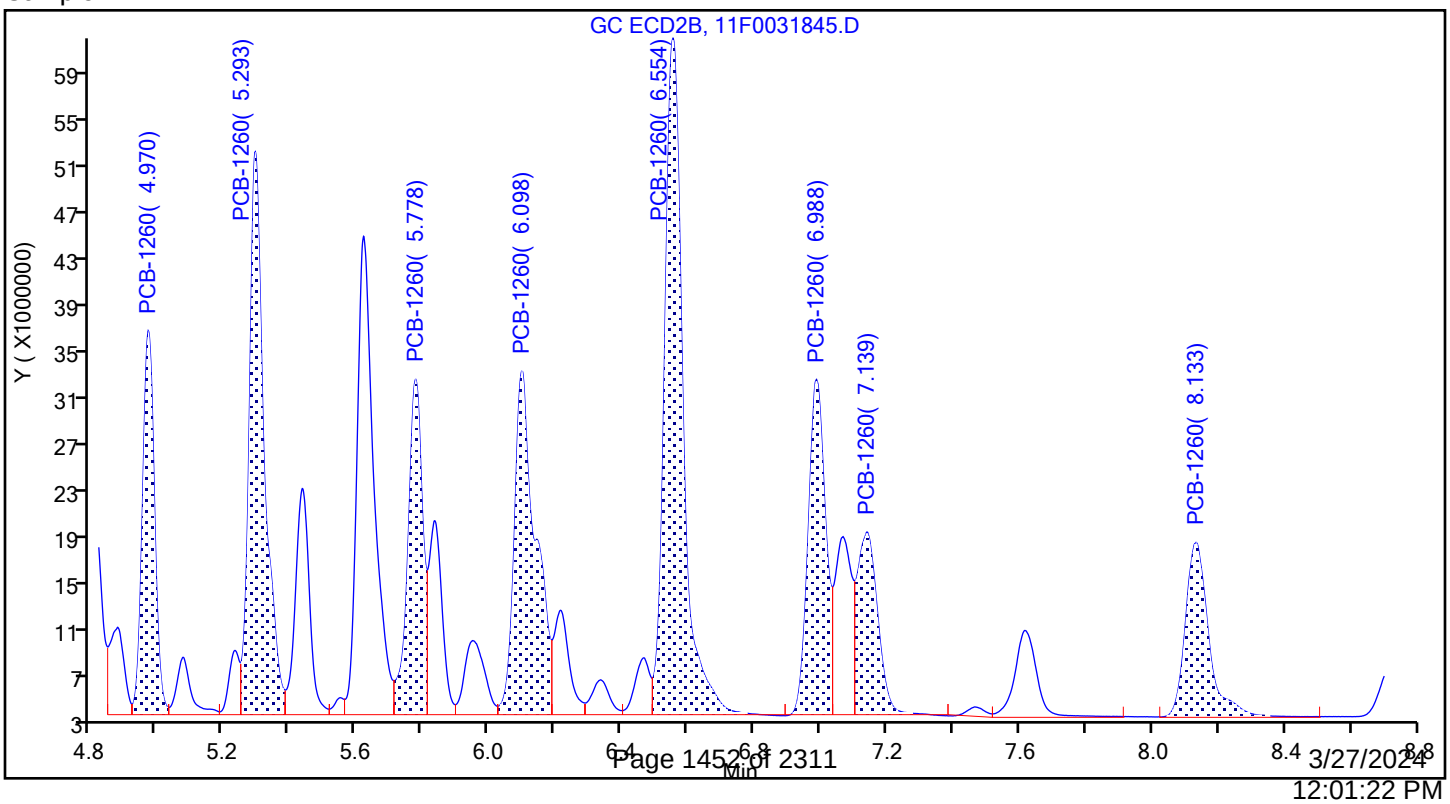
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11
Lims ID: LCS 460-965331/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample

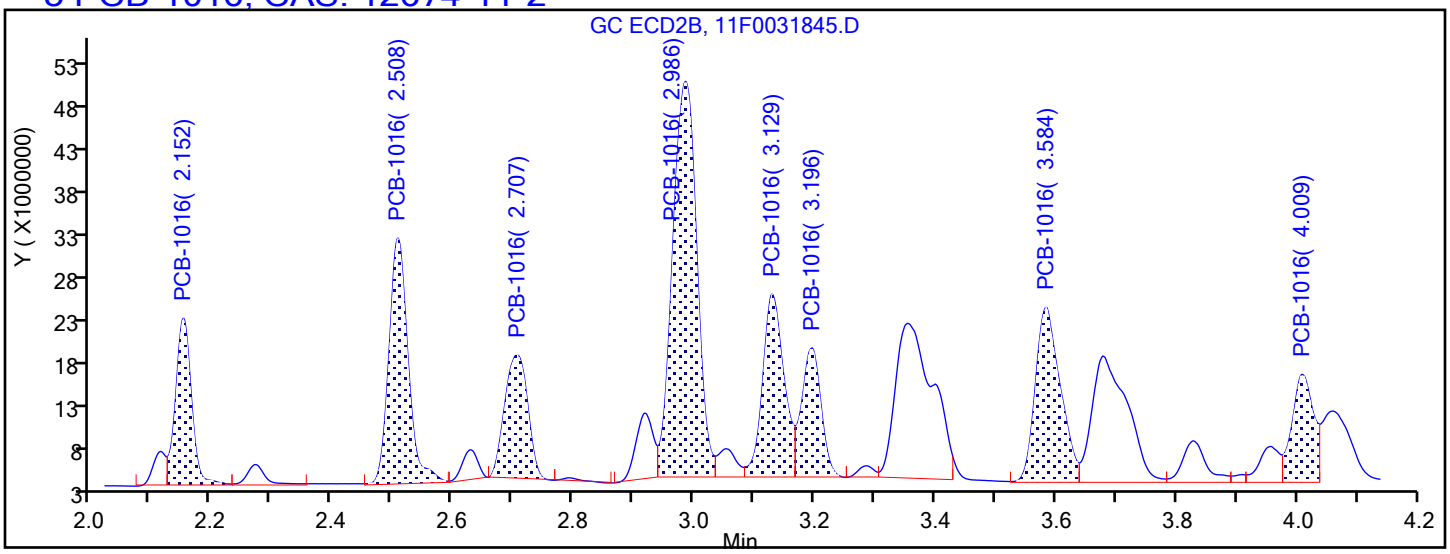


Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

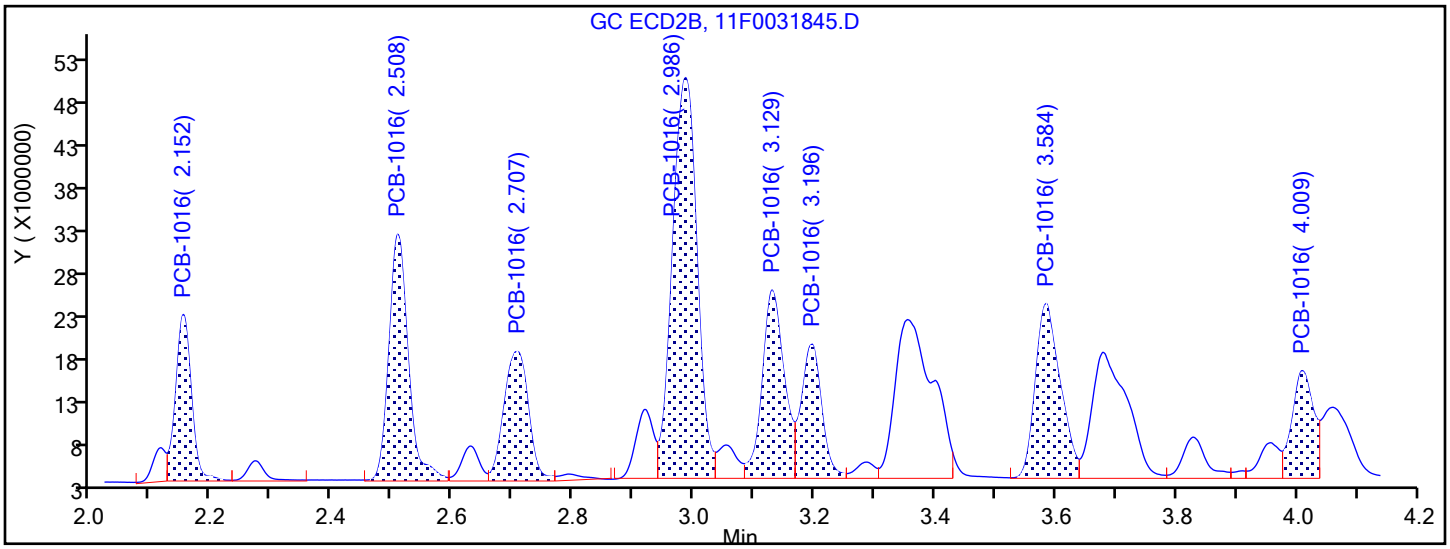
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11
Lims ID: LCS 460-965331/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.152	Response = 34969650
2.508	Response = 61637202
2.707	Response = 38067452
2.986	Response = 127074618
3.129	Response = 52006421
3.196	Response = 33473462
3.584	Response = 57503202
4.009	Response = 30706853



Manual Integration Results

2.152	Response = 34969650	
2.508	Response = 62763922	M
2.707	Response = 41432951	M
2.986	Response = 131552637	M
3.129	Response = 55567065	M
3.196	Response = 36750755	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965331/3-A

Matrix: Water | Lab File ID: 11F0031846.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*2.99*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*3.14*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*6.13*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-150
877-09-8	Tetrachloro-m-xylene	81		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Lims ID: LCSD 460-965331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 08:42:02 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-012
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	44363439	20.0	20.0	
2	1.205	1.205	0.000	41324611	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	140773549	100.0	80.8	
2	1.799	1.798	0.001	195250544	100.0	86.4	
						RPD = 6.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.862	2.864	-0.002	23553816	1000.0	753.3	
1	3.347	3.350	-0.003	43869652	1000.0	743.2	
1	3.889	3.891	-0.002	98484165	1000.0	737.5	
1	4.052	4.054	-0.002	42901456	1000.0	738.9	
1	4.177	4.180	-0.003	35326359	1000.0	748.0	
1	4.627	4.629	-0.002	31442635	1000.0	743.8	
1	4.774	4.777	-0.003	39383620	1000.0	757.9	
1	5.140	5.143	-0.003	26374118	1000.0	751.3	
		Average of Peak Amounts =				746.7	
2	2.152	2.152	0.000	35696654	1000.0	836.3	
2	2.508	2.508	0.000	61810869	1000.0	795.1	
2	2.707	2.703	0.004	40724475	1000.0	798.9	
2	2.984	2.985	-0.001	128176038	1000.0	791.2	
2	3.130	3.129	0.001	54134028	1000.0	794.2	
2	3.195	3.193	0.002	35736988	1000.0	806.5	
2	3.583	3.582	0.001	57256203	1000.0	793.9	
2	4.010	4.010	0.000	30232776	1000.0	815.8	
		Average of Peak Amounts =				804.0	
						RPD = 7.39	
8 PCB-1260							
1	6.030	6.033	-0.003	28732673	1000.0	753.0	
1	6.262	6.265	-0.003	66766200	1000.0	747.9	
1	6.590	6.595	-0.005	79427261	1000.0	767.7	
1	7.353	7.358	-0.005	71222185	1000.0	782.5	
1	7.901	7.908	-0.007	79255039	1000.0	771.9	
1	8.425	8.431	-0.006	206380800	1000.0	822.5	
1	9.220	9.223	-0.003	147516479	1000.0	812.0	
1	10.170	10.170	0.000	69415580	1000.0	820.4	
		Average of Peak Amounts =				784.7	
2	4.970	4.969	0.001	81882610	1000.0	811.2	
2	5.294	5.292	0.002	152378077	1000.0	813.1	
2	5.776	5.777	-0.001	87152059	1000.0	787.6	
2	6.096	6.094	0.002	129750203	1000.0	808.9	
2	6.552	6.552	0.000	222470178	1000.0	817.1	
2	6.988	6.984	0.004	101423661	1000.0	787.9	
2	7.138	7.139	-0.001	68837595	1000.0	817.5	
2	8.130	8.130	0.000	72171579	1000.0	818.0	
		Average of Peak Amounts =				807.7	
						RPD = 2.88	
$ 11 DCB Decachlorobiphenyl							
1	10.801	10.799	0.002	192893067	100.0	86.0	
2	9.129	9.128	0.001	216761492	100.0	88.0	
						RPD = 2.31	

Reagents:

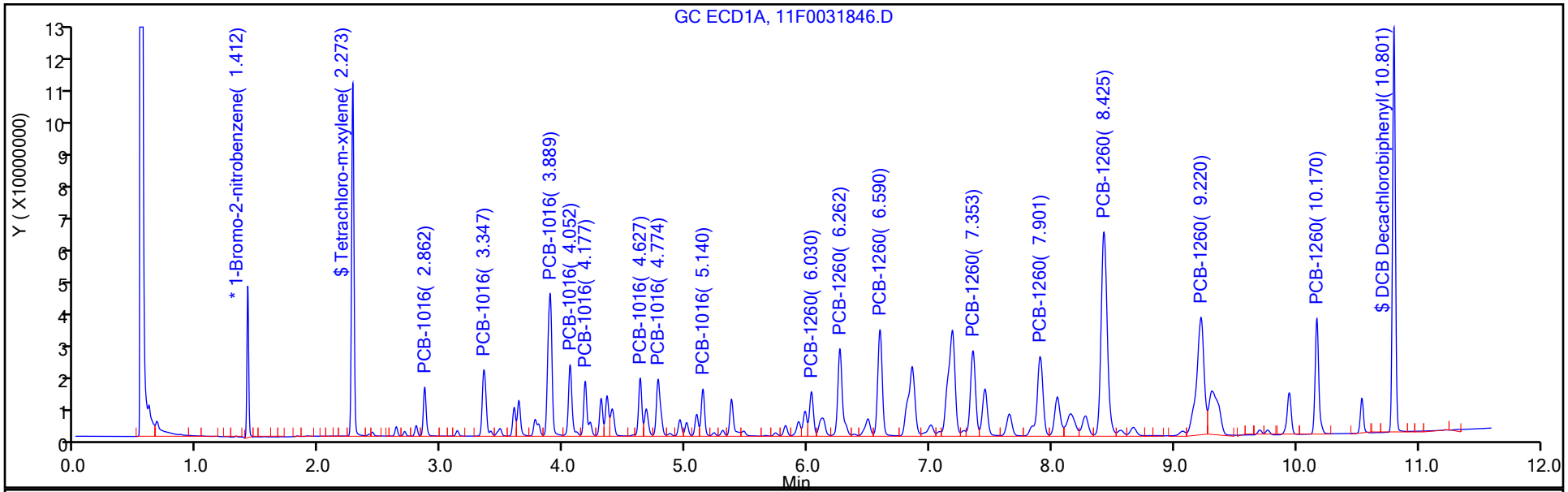
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

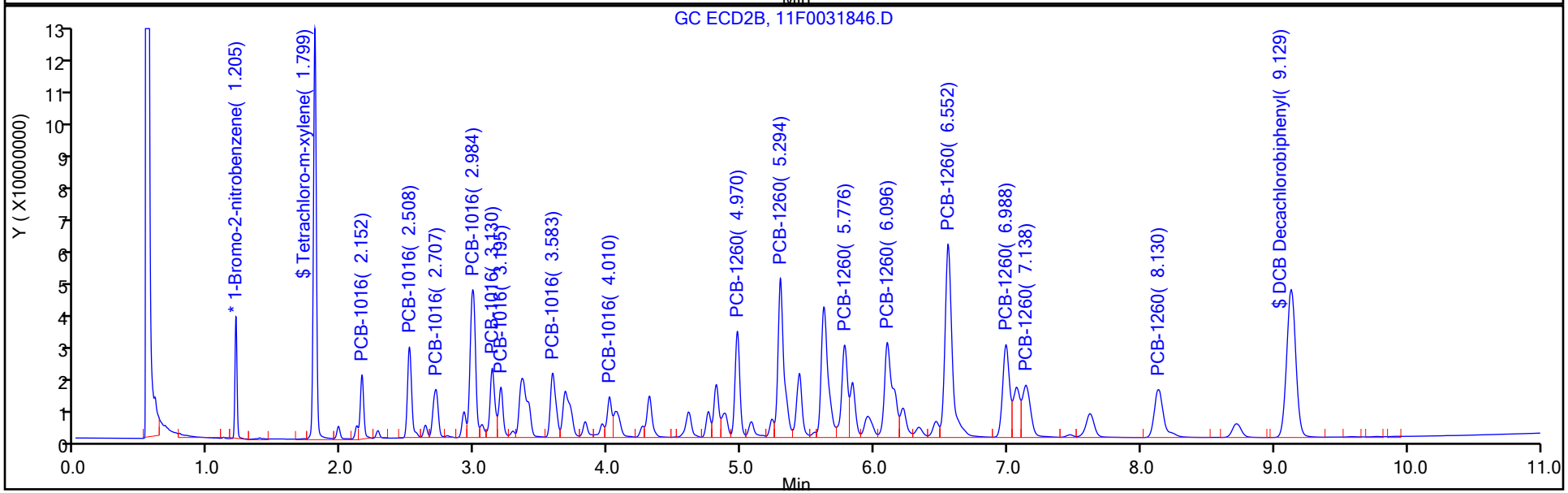
Report Date: 22-Mar-2024 12:45:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date:	22-Mar-2024 08:42:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCSD 460-965331/3-A			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D				
Lims ID:	LCSD 460-965331/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	22-Mar-2024 08:42:02	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-012				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.8	80.83
$ 11 DCB Decachlorobiphenyl	100.0	86.0	86.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	86.4	86.38
$ 11 DCB Decachlorobiphenyl	100.0	88.0	88.02

Report Date: 22-Mar-2024 12:45:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11

Lims ID: LCSD 460-965331/3-A

Client ID:

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

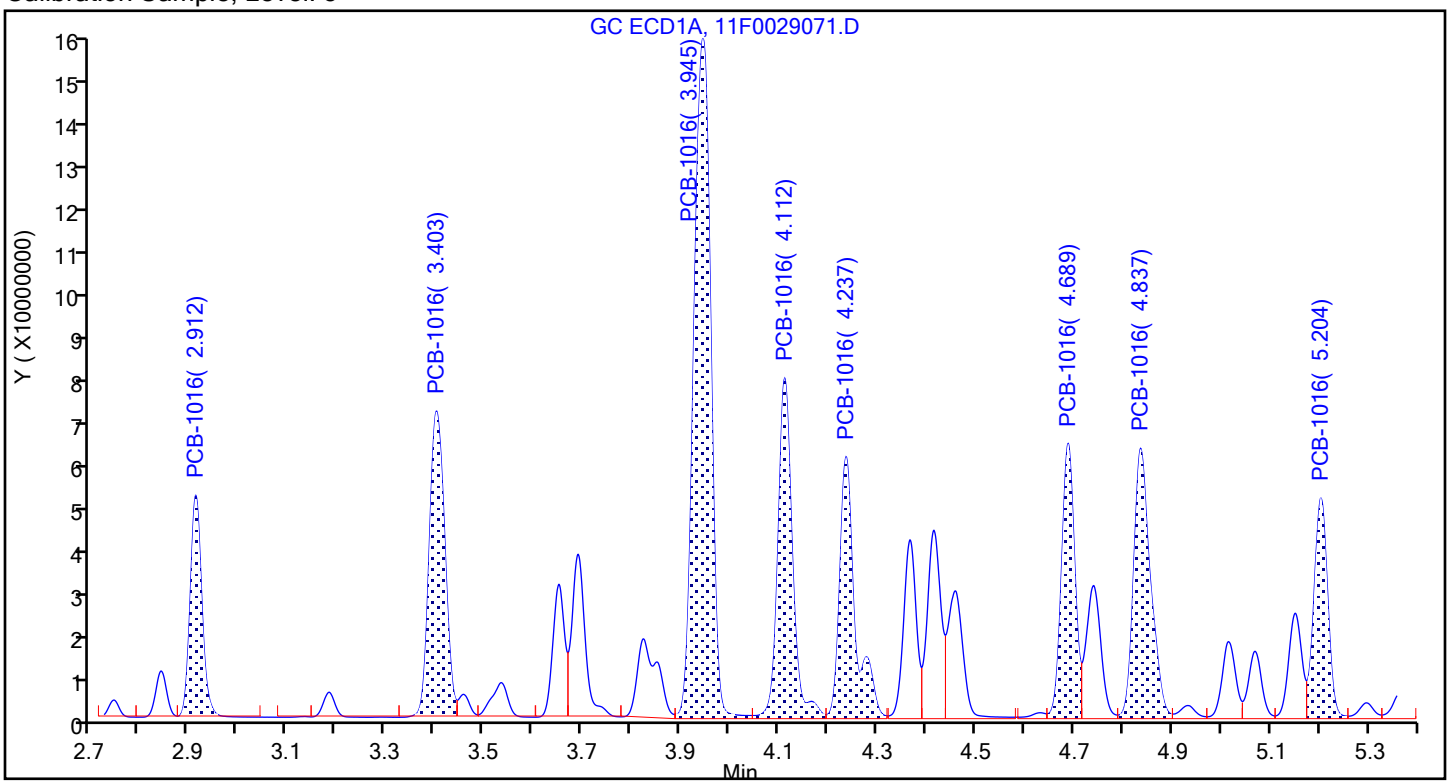
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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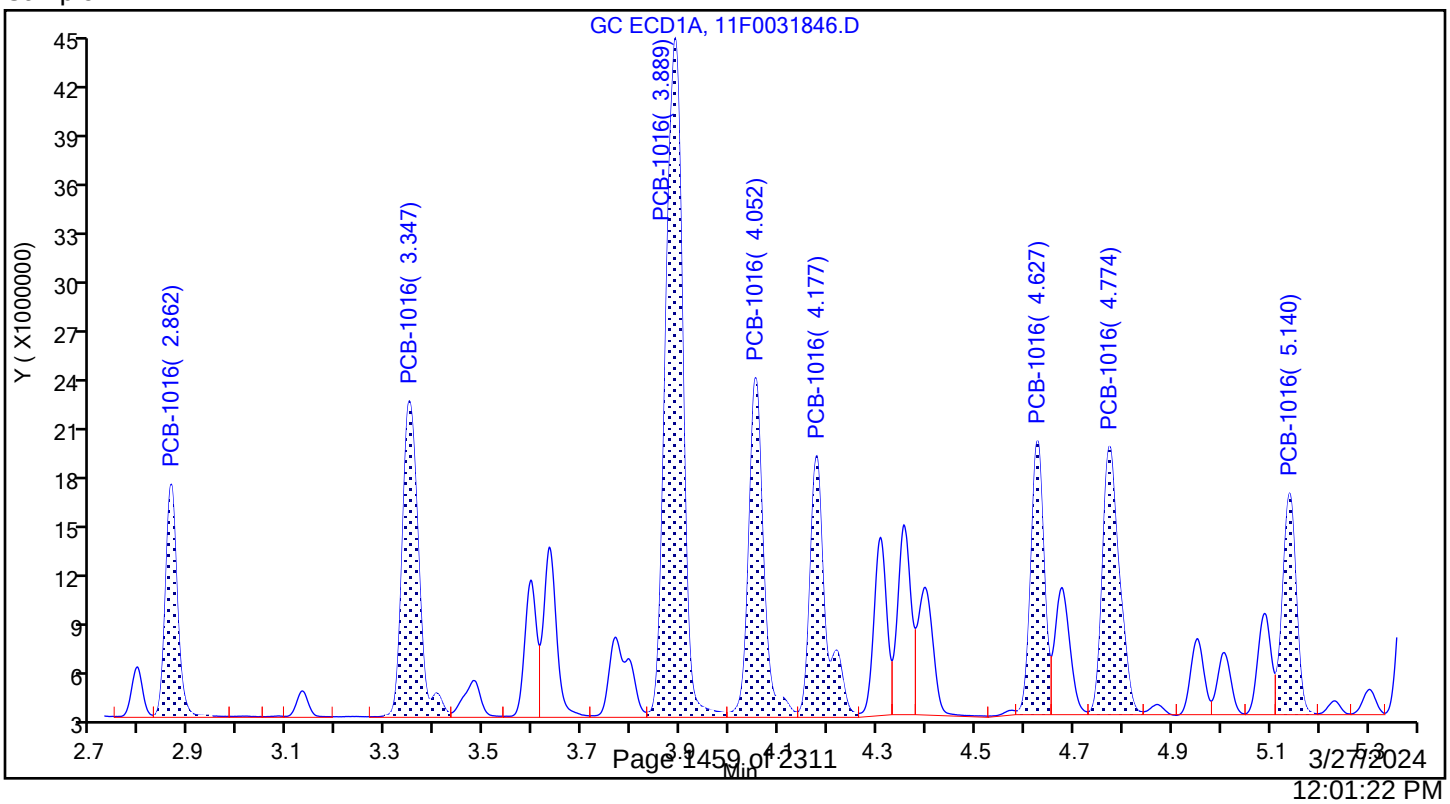


Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11

Lims ID: LCSD 460-965331/3-A

Client ID:

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

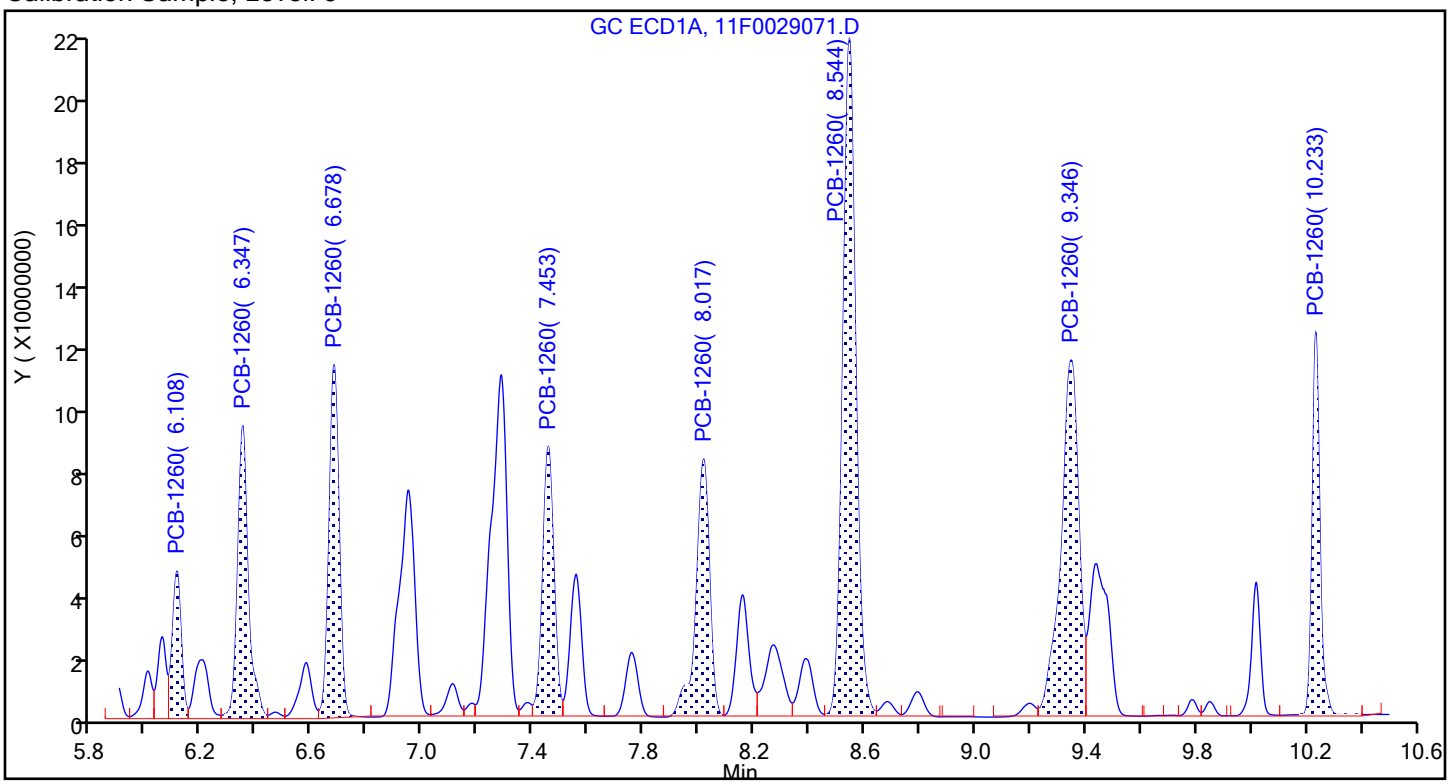
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



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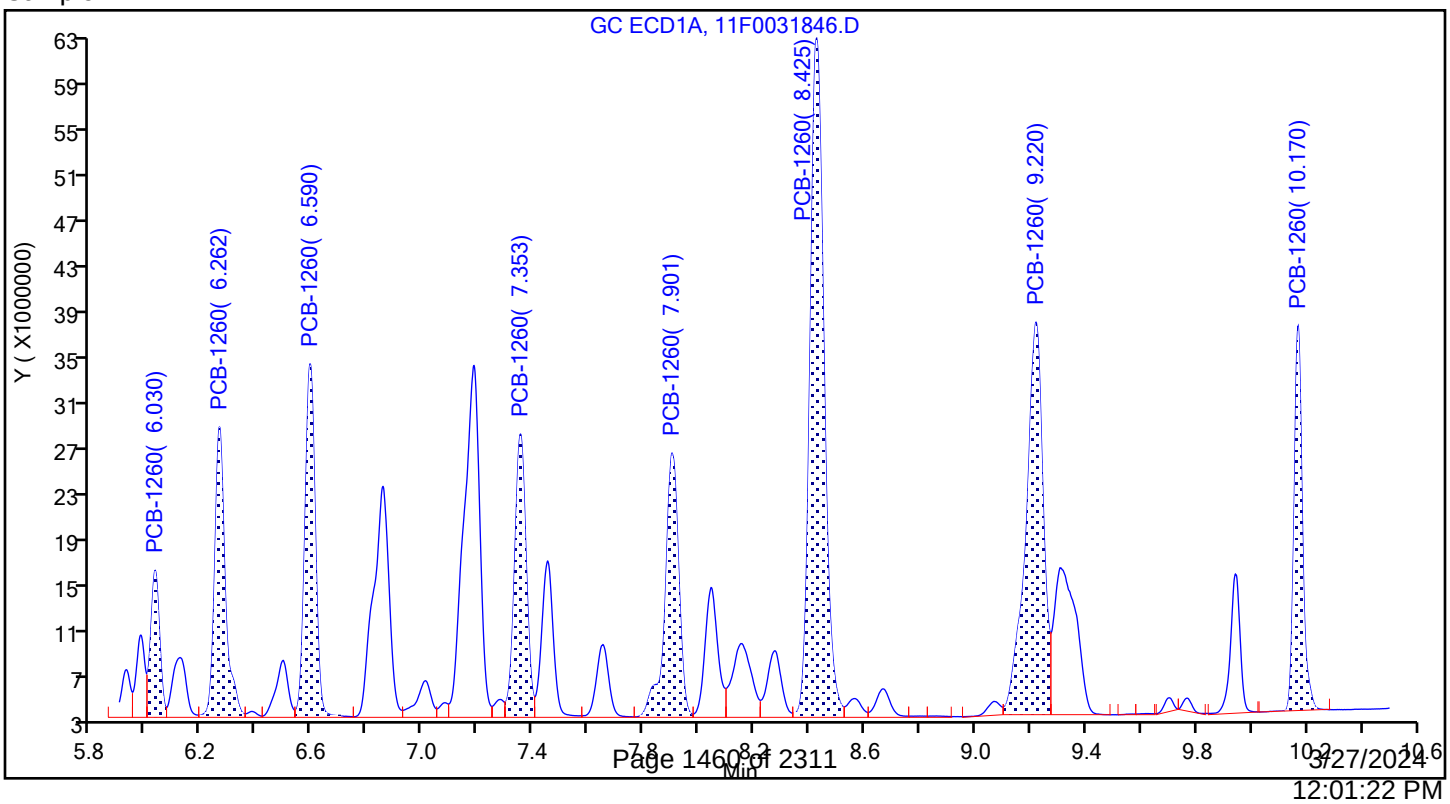


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965331/3-A

Matrix: Water | Lab File ID: 11F0031846.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.22		0.40	0.12
11096-82-5	Aroclor 1260	3.23		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	6.45		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		10-150
877-09-8	Tetrachloro-m-xylene	86		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Lims ID: LCSD 460-965331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 08:42:02 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-012
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	44363439	20.0	20.0	
2	1.205	1.205	0.000	41324611	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	140773549	100.0	80.8	
2	1.799	1.798	0.001	195250544	100.0	86.4	
						RPD = 6.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.862	2.864	-0.002	23553816	1000.0	753.3	
1	3.347	3.350	-0.003	43869652	1000.0	743.2	
1	3.889	3.891	-0.002	98484165	1000.0	737.5	
1	4.052	4.054	-0.002	42901456	1000.0	738.9	
1	4.177	4.180	-0.003	35326359	1000.0	748.0	
1	4.627	4.629	-0.002	31442635	1000.0	743.8	
1	4.774	4.777	-0.003	39383620	1000.0	757.9	
1	5.140	5.143	-0.003	26374118	1000.0	751.3	
		Average of Peak Amounts =				746.7	
2	2.152	2.152	0.000	35696654	1000.0	836.3	
2	2.508	2.508	0.000	61810869	1000.0	795.1	
2	2.707	2.703	0.004	40724475	1000.0	798.9	
2	2.984	2.985	-0.001	128176038	1000.0	791.2	
2	3.130	3.129	0.001	54134028	1000.0	794.2	
2	3.195	3.193	0.002	35736988	1000.0	806.5	
2	3.583	3.582	0.001	57256203	1000.0	793.9	
2	4.010	4.010	0.000	30232776	1000.0	815.8	
		Average of Peak Amounts =				804.0	
						RPD = 7.39	
8 PCB-1260							
1	6.030	6.033	-0.003	28732673	1000.0	753.0	
1	6.262	6.265	-0.003	66766200	1000.0	747.9	
1	6.590	6.595	-0.005	79427261	1000.0	767.7	
1	7.353	7.358	-0.005	71222185	1000.0	782.5	
1	7.901	7.908	-0.007	79255039	1000.0	771.9	
1	8.425	8.431	-0.006	206380800	1000.0	822.5	
1	9.220	9.223	-0.003	147516479	1000.0	812.0	
1	10.170	10.170	0.000	69415580	1000.0	820.4	
		Average of Peak Amounts =				784.7	
2	4.970	4.969	0.001	81882610	1000.0	811.2	
2	5.294	5.292	0.002	152378077	1000.0	813.1	
2	5.776	5.777	-0.001	87152059	1000.0	787.6	
2	6.096	6.094	0.002	129750203	1000.0	808.9	
2	6.552	6.552	0.000	222470178	1000.0	817.1	
2	6.988	6.984	0.004	101423661	1000.0	787.9	
2	7.138	7.139	-0.001	68837595	1000.0	817.5	
2	8.130	8.130	0.000	72171579	1000.0	818.0	
		Average of Peak Amounts =				807.7	
						RPD = 2.88	
$ 11 DCB Decachlorobiphenyl							
1	10.801	10.799	0.002	192893067	100.0	86.0	
2	9.129	9.128	0.001	216761492	100.0	88.0	
						RPD = 2.31	

Reagents:

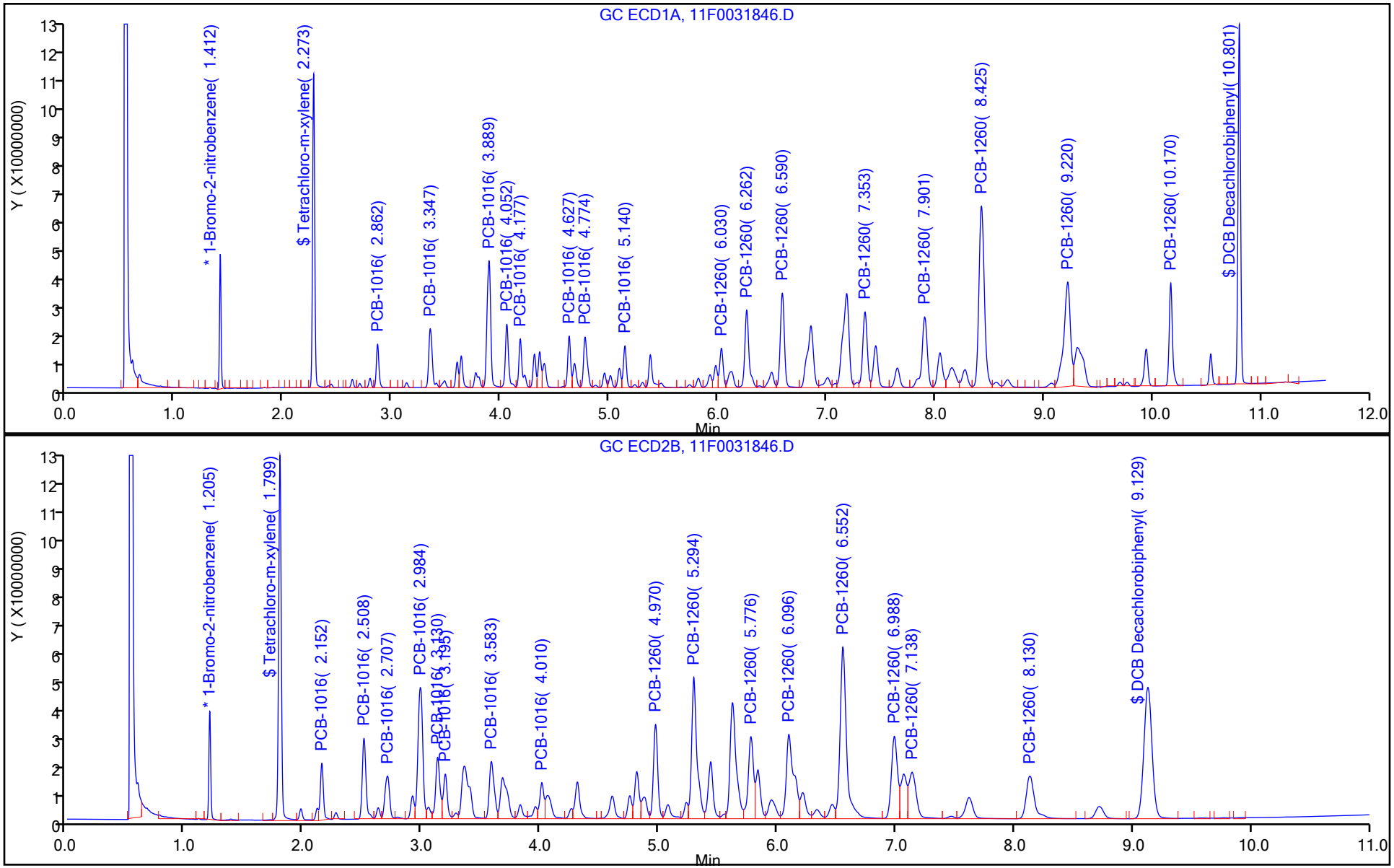
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date:	22-Mar-2024 08:42:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCSD 460-965331/3-A			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D				
Lims ID:	LCSD 460-965331/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	22-Mar-2024 08:42:02	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-012				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.8	80.83
$ 11 DCB Decachlorobiphenyl	100.0	86.0	86.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	86.4	86.38
$ 11 DCB Decachlorobiphenyl	100.0	88.0	88.02

Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11

Lims ID: LCSD 460-965331/3-A

Client ID:

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

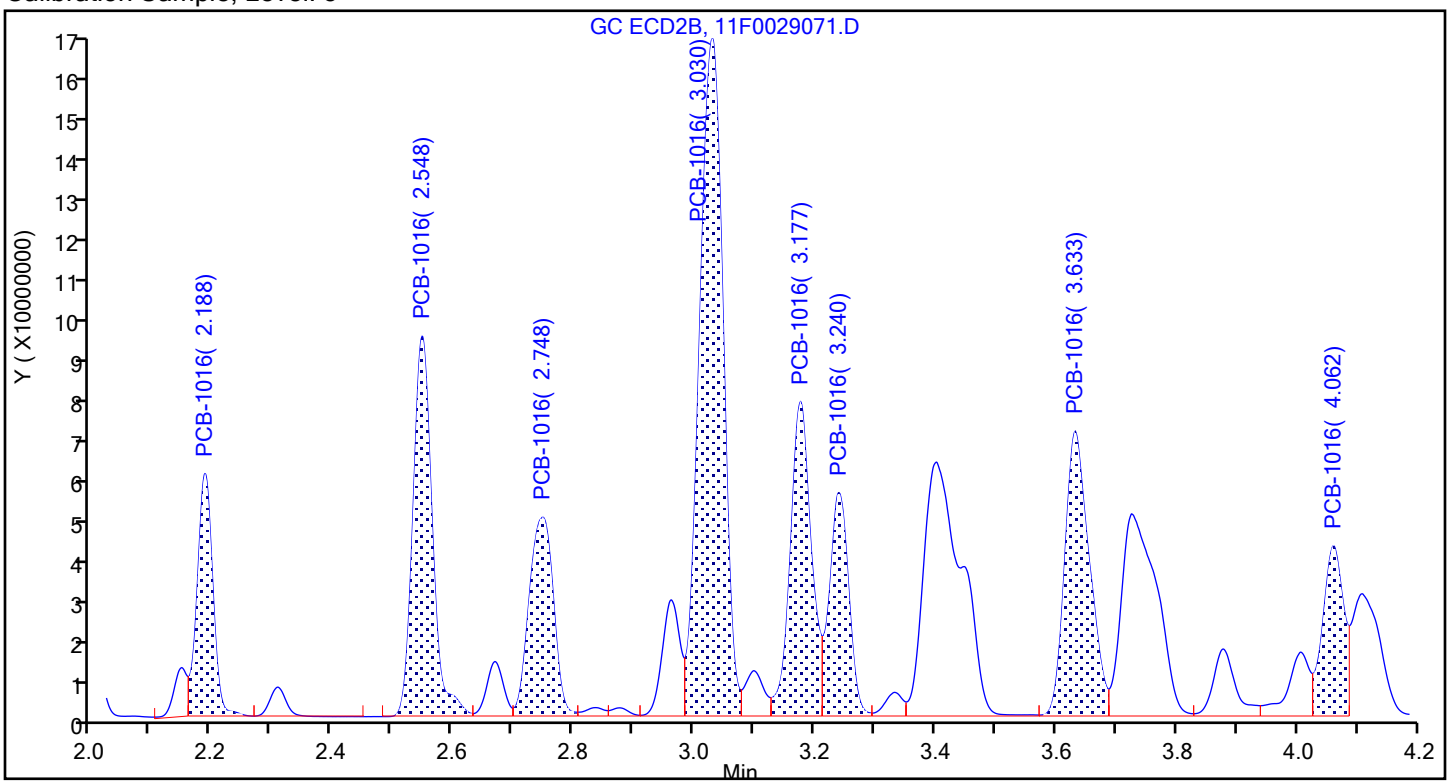
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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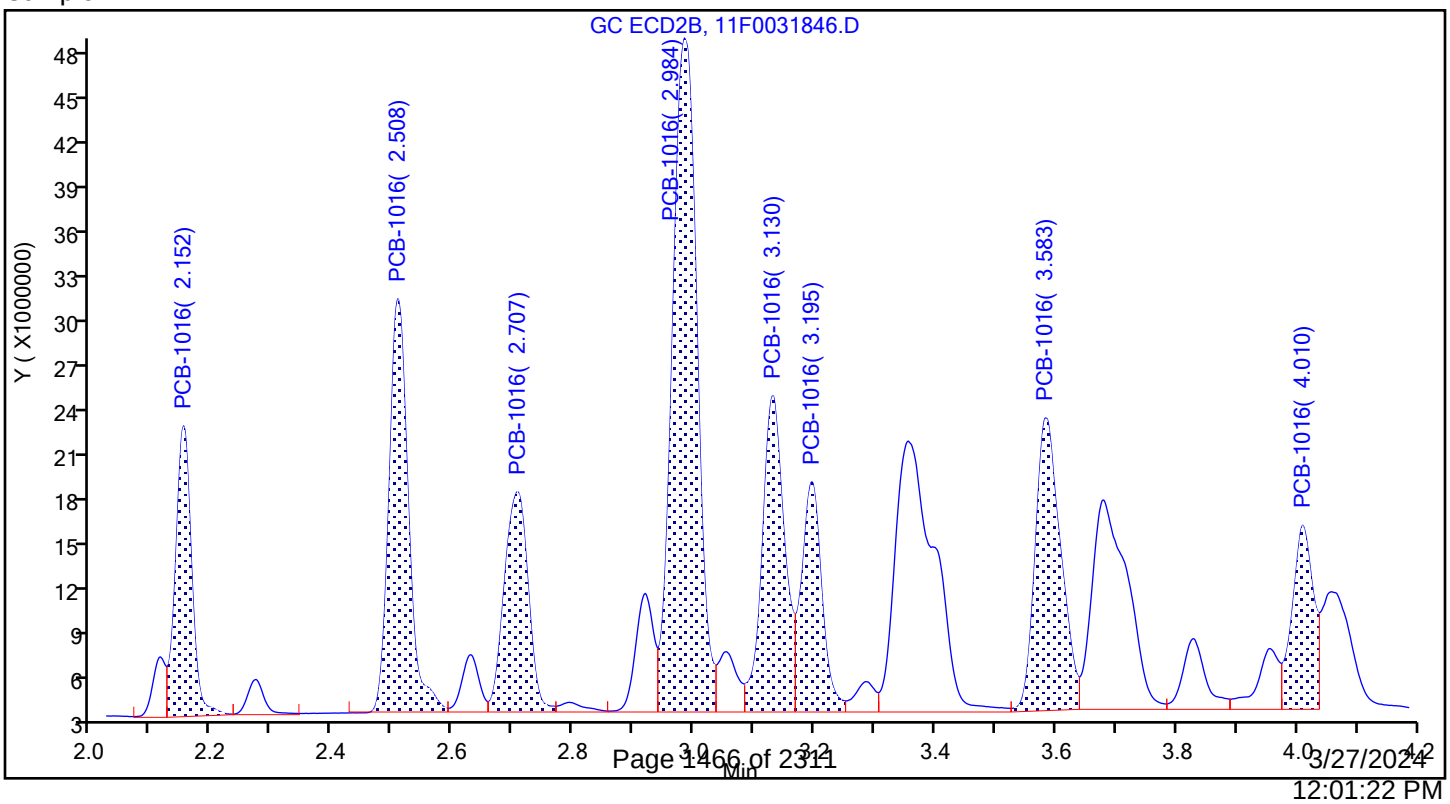


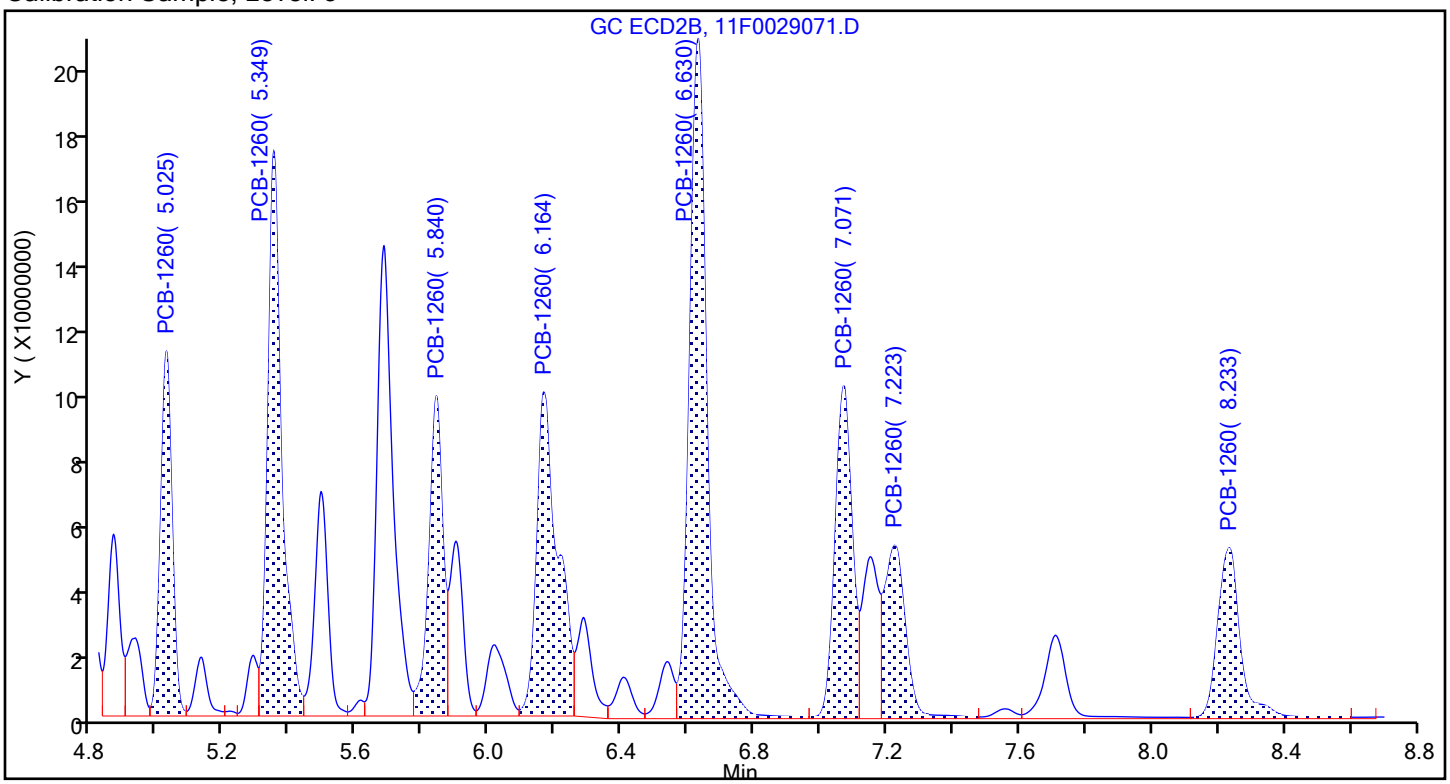
Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11
Lims ID: LCSD 460-965331/3-A
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



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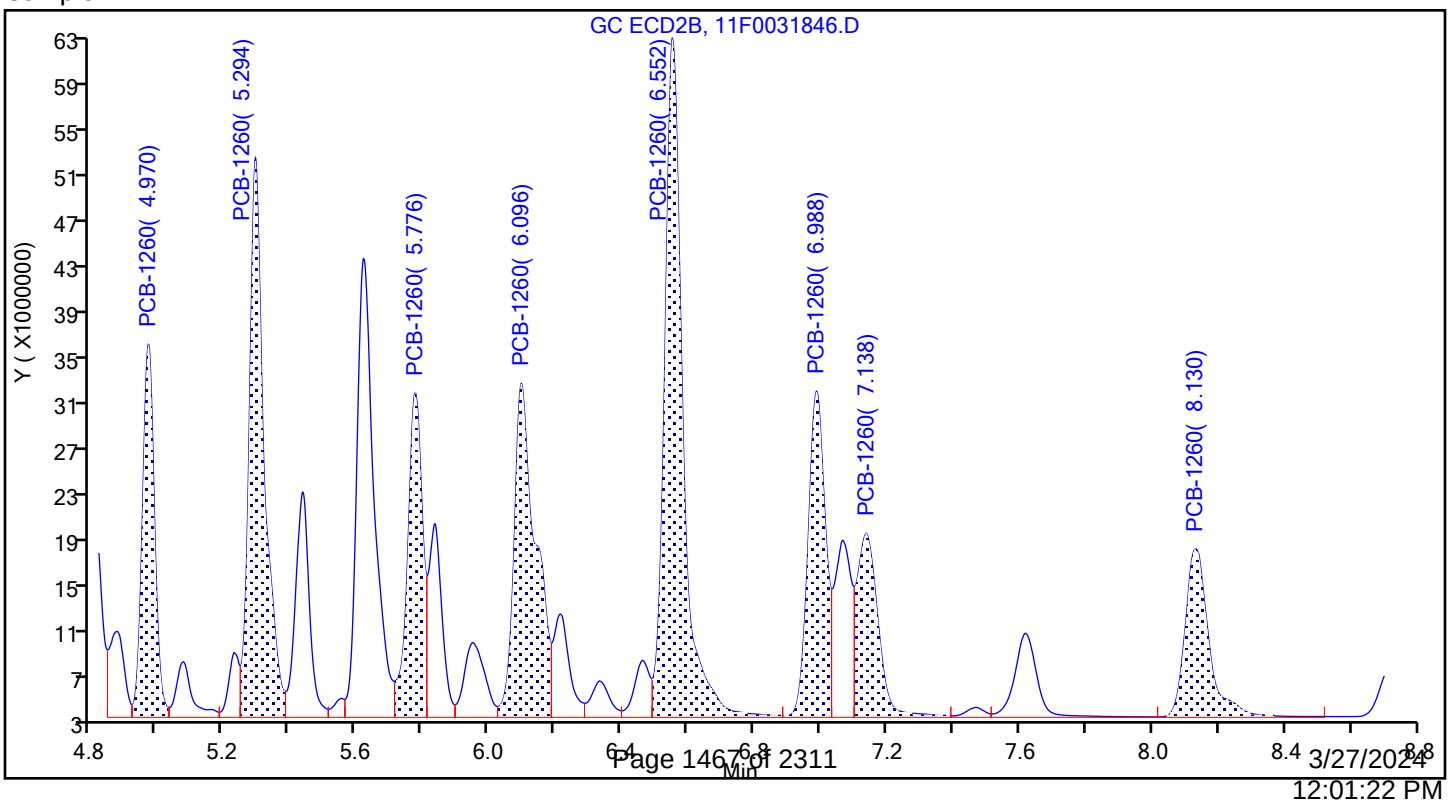


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: 11F0031865.D

Analysis Method: 8082A | Date Collected: 03/18/2024 10:55

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.419*		*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*1.02*		*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*1.44*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	6	*	10-150
877-09-8	Tetrachloro-m-xylene	5	*	10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 14:14:54 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-031
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 14:48:51 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:54:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							sM
1	1.413	1.413	0.000	725526169	20.0	20.0	
2	1.204	1.205	-0.001	57828217	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	149134292	100.0	5.24	
2	1.798	1.798	0.000	220067762	100.0	69.6	
						RPD = 172.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.861	2.864	-0.003	29783725	1000.0	58.2	
1	3.346	3.350	-0.004	50651749	1000.0	52.5	
1	3.890	3.891	-0.001	134279941	1000.0	61.5	
1	4.049	4.054	-0.005	106759723	1000.0	112.4	
1	4.176	4.180	-0.004	32199502	1000.0	41.7	
1	4.626	4.629	-0.003	56338858	1000.0	81.5	
1	4.769	4.777	-0.008	147720947	1000.0	173.8	
1	5.141	5.143	-0.002	147007508	1000.0	256.1	
		Average of Peak Amounts =				104.7	
2	2.152	2.152	0.000	33811763	1000.0	566.0	
2	2.511	2.508	0.003	88159585	1000.0	810.4	
2	2.694	2.703	-0.009	86847392	1000.0	1217.5	
2	2.986	2.985	0.001	156552261	1000.0	690.5	
2	0.000	3.129	-3.129	0	1000.0	0	
2	3.194	3.193	0.001	40403820	1000.0	651.6	
2	3.589	3.582	0.007	125036484	1000.0	1239.0	
2	0.000	4.010	0.000	0	1000.0	0	
		Average of Peak Amounts =				862.5	
						RPD = 156.70	
8 PCB-1260							E
1	6.029	6.033	-0.004	171881589	1000.0	275.4	
1	6.263	6.265	-0.002	462139197	1000.0	316.5	
1	6.591	6.595	-0.004	536246589	1000.0	316.9	
1	7.352	7.358	-0.006	384716694	1000.0	258.4	
1	7.905	7.908	-0.003	286912859	1000.0	170.9	
1	8.426	8.431	-0.005	967151986	1000.0	235.7	
1	9.220	9.223	-0.003	670055813	1000.0	225.5	
1	10.161	10.170	-0.009	326563144	1000.0	236.0	
		Average of Peak Amounts =				254.4	
2	4.970	4.969	0.001	482611947	1000.0	3416.7	E
2	5.295	5.292	0.003	913096255	1000.0	3481.6	E
2	5.776	5.777	-0.001	453376298	1000.0	2927.8	E
2	6.096	6.094	0.002	336764541	1000.0	1500.3	
2	6.553	6.552	0.001	980968993	1000.0	2574.8	E
2	6.987	6.984	0.003	486192541	1000.0	2698.9	E
2	7.137	7.139	-0.002	288946915	1000.0	2452.1	
2	8.130	8.130	0.000	304576548	1000.0	2467.0	
		Average of Peak Amounts =				2689.9	
						RPD = 165.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.785	10.799	-0.014	213548019	100.0	5.82	
2	9.128	9.128	0.000	228042979	100.0	66.2	
						RPD = 167.65	
S 12 Polychlorinated biphenyls, Total							E
1						359.1	E
16 1260 Res 1							
2	6.987	7.005	-0.018	486192541		NR	
14 1260 Res 2							
2	7.068	7.086	-0.018	188238406		NR	
15 1260 Res 3							
2	7.137	7.155	-0.018	288946915		NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- E - Exceeded Maximum Amount
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

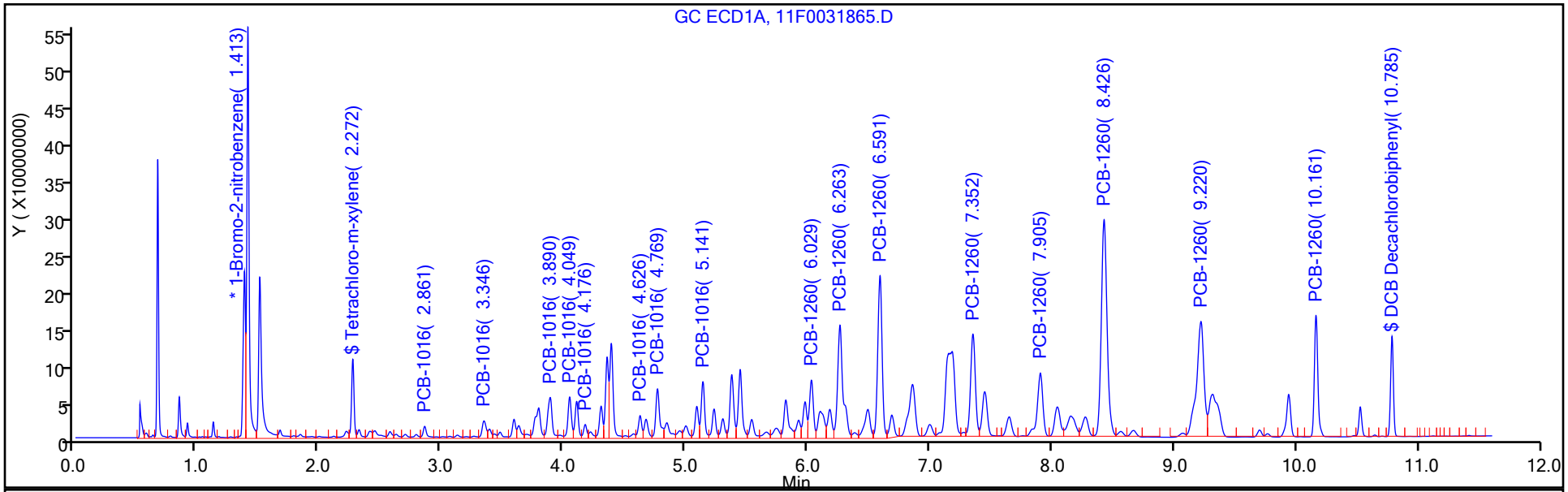
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

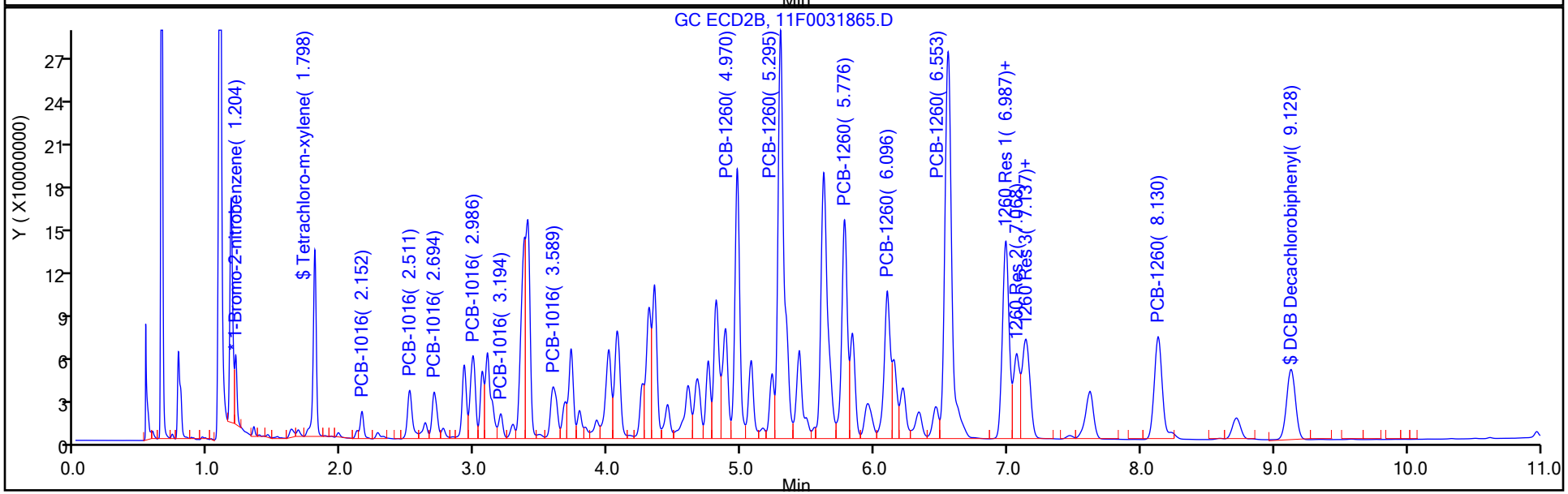
Report Date: 22-Mar-2024 14:54:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D

Injection Date:	22-Mar-2024 14:14:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-E-2-A MS			Worklist Smp#:	31
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 14:14:54 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-031
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 14:48:51 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:54:26

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	5.24	5.24
$ 11 DCB Decachlorobiphenyl	100.0	5.82	5.82

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	69.6	69.58
$ 11 DCB Decachlorobiphenyl	100.0	66.2	66.17

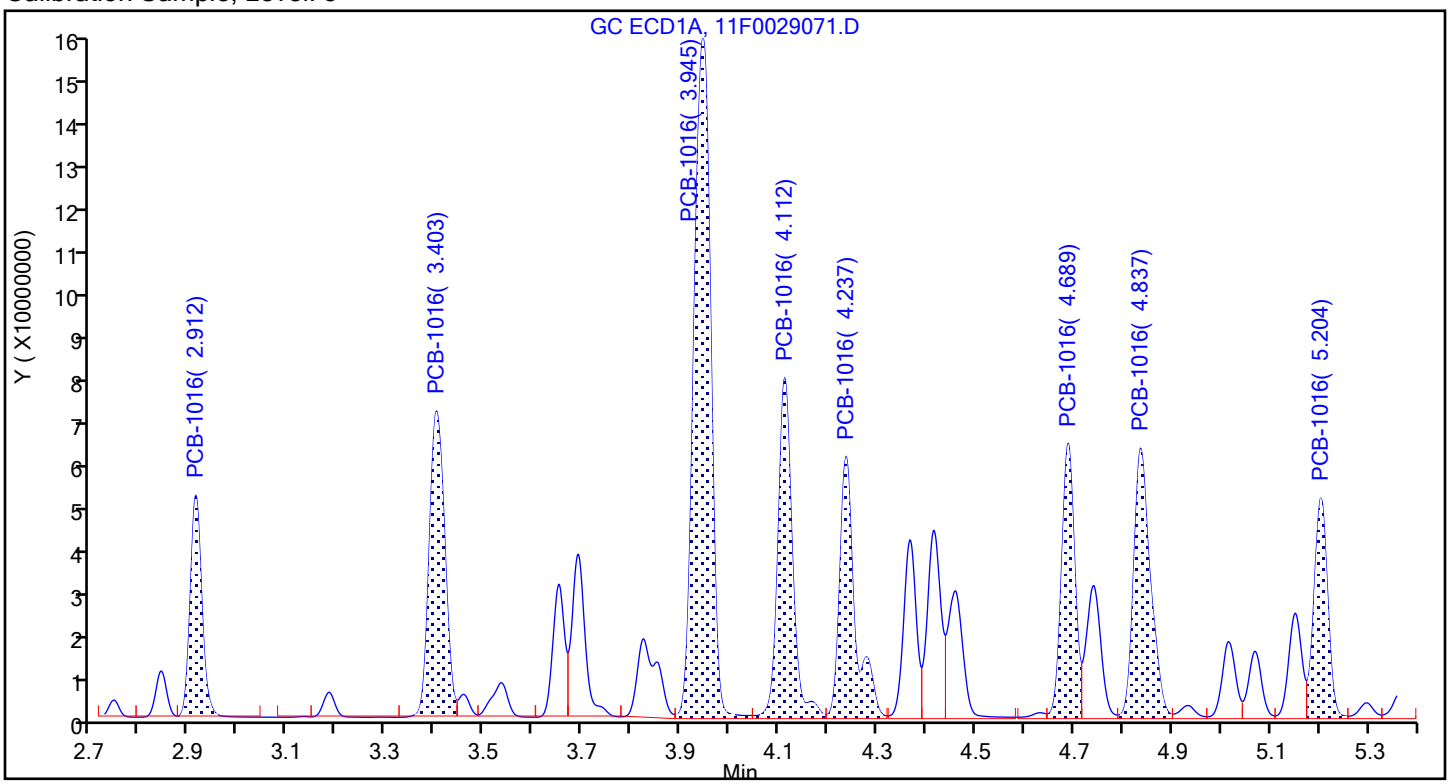
Report Date: 22-Mar-2024 14:54:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Injection Date: 22-Mar-2024 14:14:54 Instrument ID: CPESTGC11
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Operator ID: ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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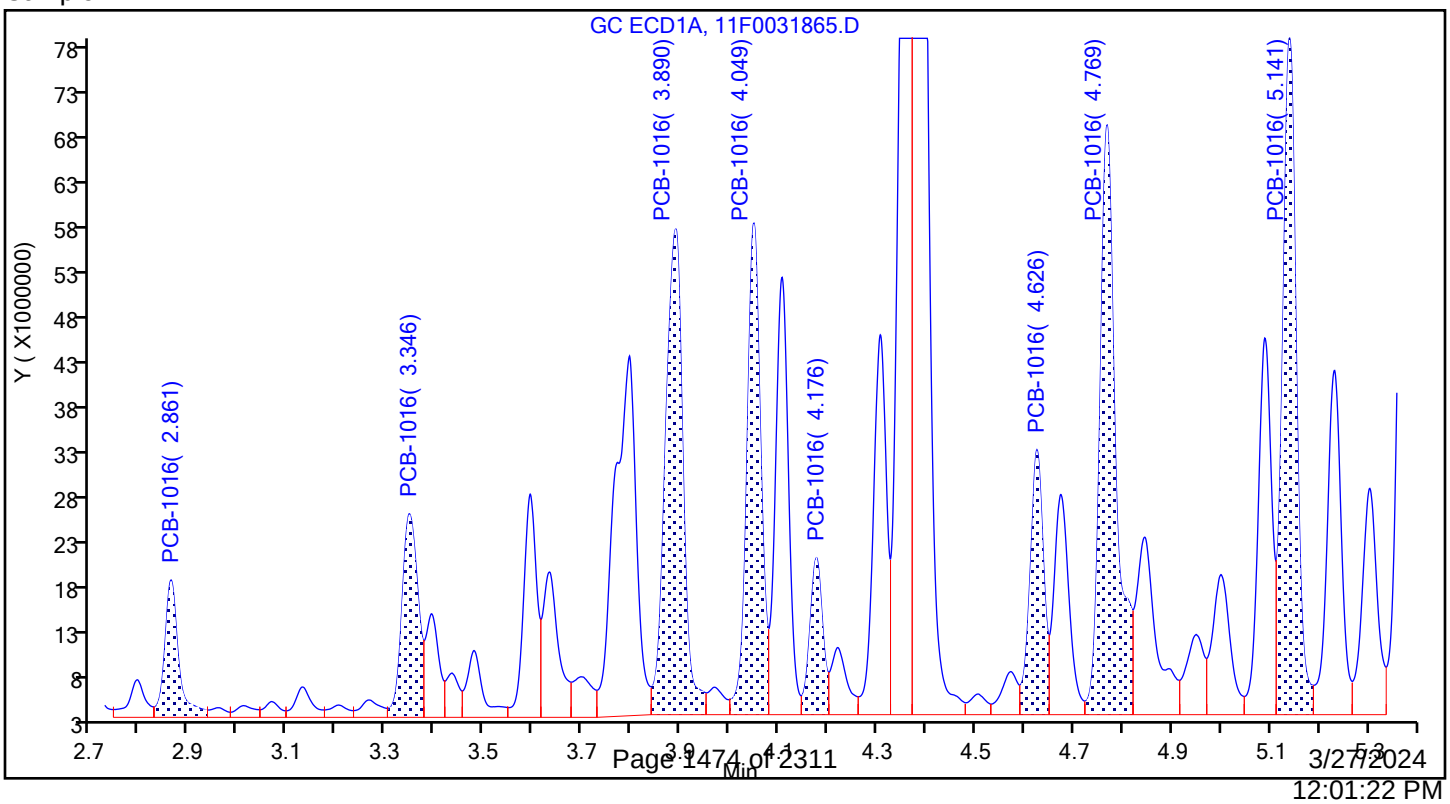


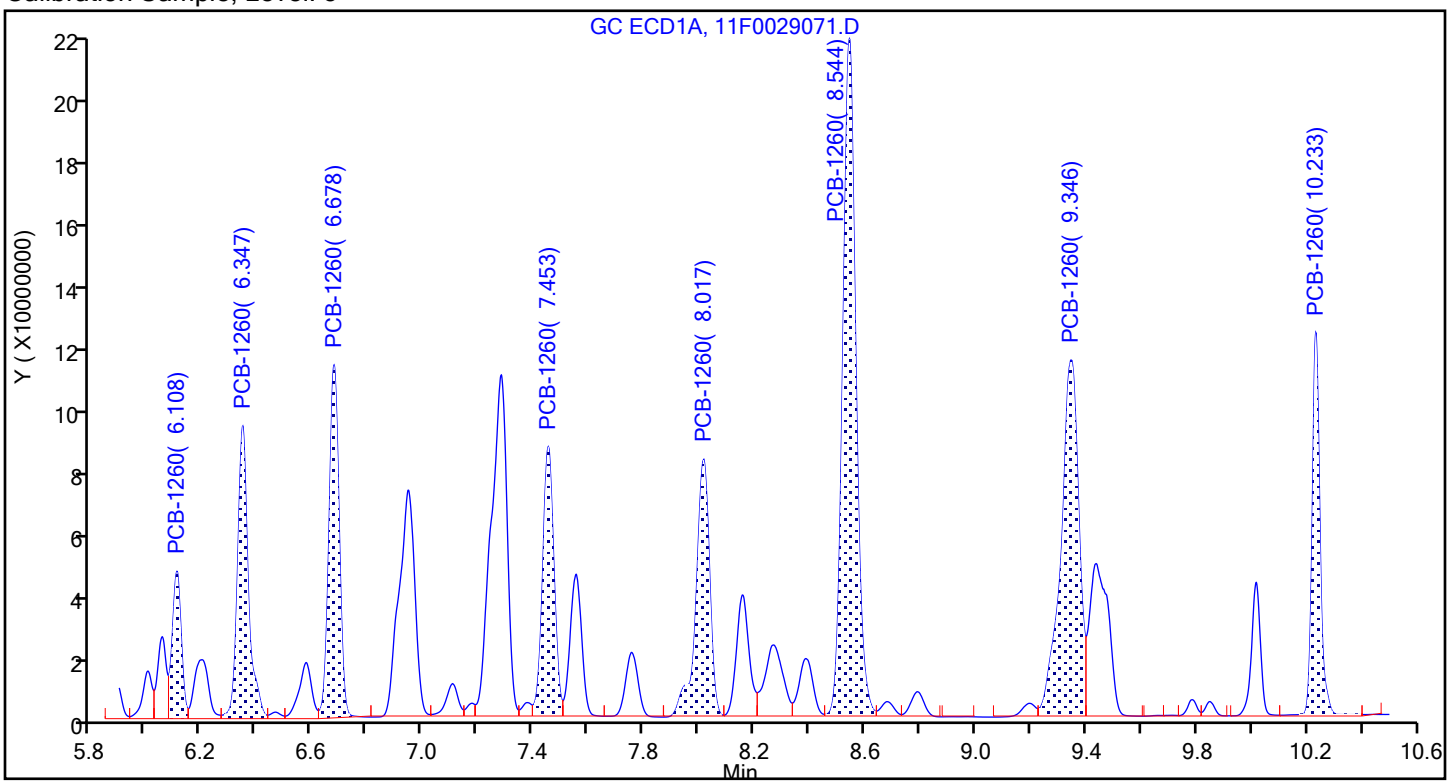
Report Date: 22-Mar-2024 14:54:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

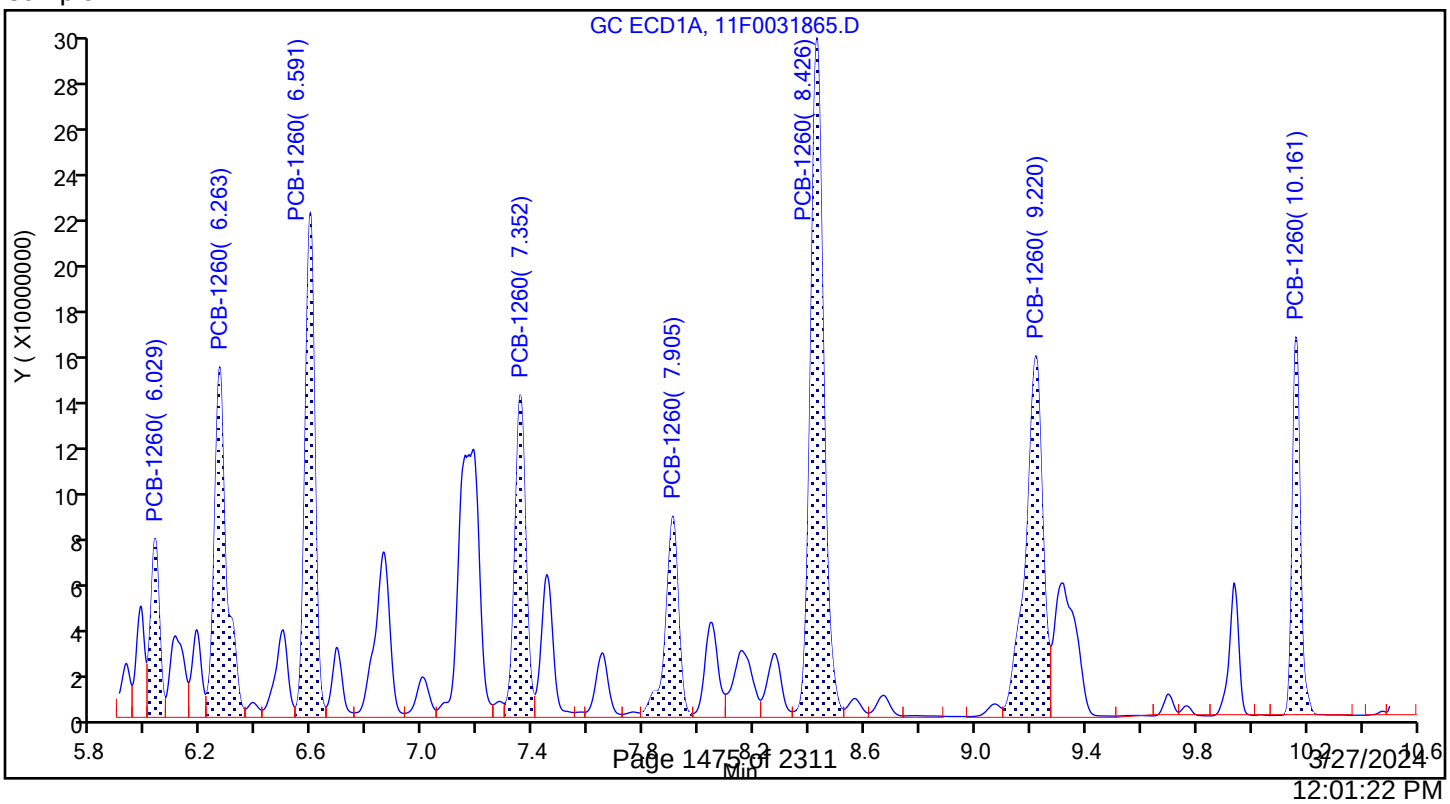
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Injection Date: 22-Mar-2024 14:14:54 Instrument ID: CPESTGC11
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Operator ID: ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MS | Lab Sample ID: 460-300484-2 MS

Matrix: Water | Lab File ID: 11F0031865.D

Analysis Method: 8082A | Date Collected: 03/18/2024 10:55

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.45		0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	10.8		0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	14.3		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	66		10-150
877-09-8	Tetrachloro-m-xylene	70		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 14:14:54 ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-031
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 14:48:51 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:54:26

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							sM
1	1.413	1.413	0.000	725526169	20.0	20.0	
2	1.204	1.205	-0.001	57828217	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	149134292	100.0	5.24	
2	1.798	1.798	0.000	220067762	100.0	69.6	
						RPD = 172.01	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.861	2.864	-0.003	29783725	1000.0	58.2	
1	3.346	3.350	-0.004	50651749	1000.0	52.5	
1	3.890	3.891	-0.001	134279941	1000.0	61.5	
1	4.049	4.054	-0.005	106759723	1000.0	112.4	
1	4.176	4.180	-0.004	32199502	1000.0	41.7	
1	4.626	4.629	-0.003	56338858	1000.0	81.5	
1	4.769	4.777	-0.008	147720947	1000.0	173.8	
1	5.141	5.143	-0.002	147007508	1000.0	256.1	
		Average of Peak Amounts =				104.7	
2	2.152	2.152	0.000	33811763	1000.0	566.0	
2	2.511	2.508	0.003	88159585	1000.0	810.4	
2	2.694	2.703	-0.009	86847392	1000.0	1217.5	
2	2.986	2.985	0.001	156552261	1000.0	690.5	
2	0.000	3.129	-3.129	0	1000.0	0	
2	3.194	3.193	0.001	40403820	1000.0	651.6	
2	3.589	3.582	0.007	125036484	1000.0	1239.0	
2	0.000	4.010	0.000	0	1000.0	0	
		Average of Peak Amounts =				862.5	
						RPD = 156.70	
8 PCB-1260							E
1	6.029	6.033	-0.004	171881589	1000.0	275.4	
1	6.263	6.265	-0.002	462139197	1000.0	316.5	
1	6.591	6.595	-0.004	536246589	1000.0	316.9	
1	7.352	7.358	-0.006	384716694	1000.0	258.4	
1	7.905	7.908	-0.003	286912859	1000.0	170.9	
1	8.426	8.431	-0.005	967151986	1000.0	235.7	
1	9.220	9.223	-0.003	670055813	1000.0	225.5	
1	10.161	10.170	-0.009	326563144	1000.0	236.0	
		Average of Peak Amounts =				254.4	
2	4.970	4.969	0.001	482611947	1000.0	3416.7	E
2	5.295	5.292	0.003	913096255	1000.0	3481.6	E
2	5.776	5.777	-0.001	453376298	1000.0	2927.8	E
2	6.096	6.094	0.002	336764541	1000.0	1500.3	
2	6.553	6.552	0.001	980968993	1000.0	2574.8	E
2	6.987	6.984	0.003	486192541	1000.0	2698.9	E
2	7.137	7.139	-0.002	288946915	1000.0	2452.1	
2	8.130	8.130	0.000	304576548	1000.0	2467.0	
		Average of Peak Amounts =				2689.9	
						RPD = 165.43	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.785	10.799	-0.014	213548019	100.0	5.82	
2	9.128	9.128	0.000	228042979	100.0	66.2	
						RPD = 167.65	
S 12 Polychlorinated biphenyls, Total							E
1						359.1	E
16 1260 Res 1							
2	6.987	7.005	-0.018	486192541		NR	
14 1260 Res 2							
2	7.068	7.086	-0.018	188238406		NR	
15 1260 Res 3							
2	7.137	7.155	-0.018	288946915		NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- E - Exceeded Maximum Amount
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

Reagents:

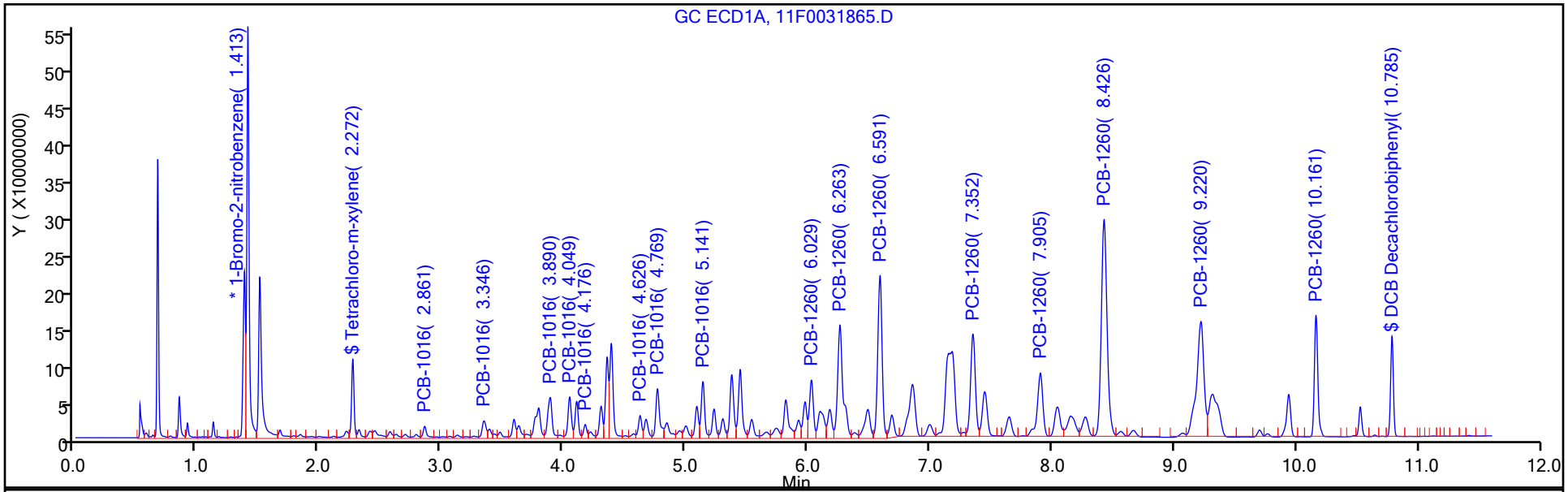
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

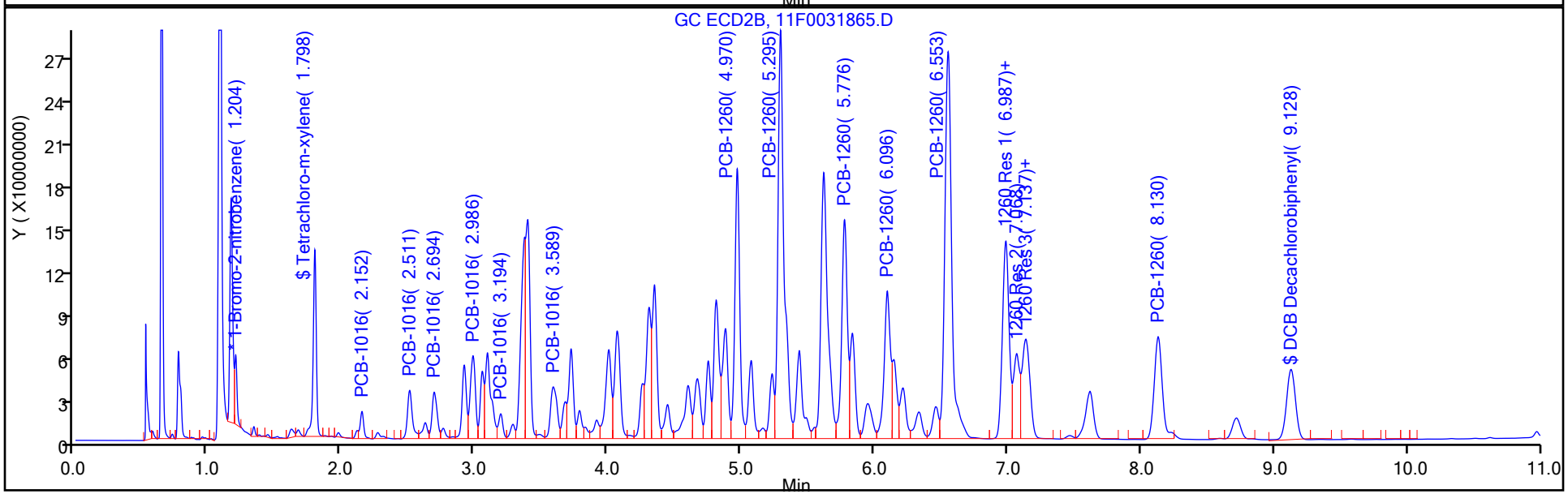
Report Date: 22-Mar-2024 14:54:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D

Injection Date:	22-Mar-2024 14:14:54	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-E-2-A MS			Worklist Smp#:	31
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	31
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D				
Lims ID:	460-300484-E-2-A MS				
Client ID:	MW-16R				
Sample Type:	MS				
Inject. Date:	22-Mar-2024 14:14:54	ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-031				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 14:48:51	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer:	OR9X	Date:	22-Mar-2024 14:54:26		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	5.24	5.24
$ 11 DCB Decachlorobiphenyl	100.0	5.82	5.82

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	69.6	69.58
$ 11 DCB Decachlorobiphenyl	100.0	66.2	66.17

Report Date: 22-Mar-2024 14:54:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D

Injection Date: 22-Mar-2024 14:14:54 Instrument ID: CPESTGC11

Lims ID: 460-300484-E-2-A MS

Client ID: MW-16R

Operator ID: ALS Bottle#: 31 Worklist Smp#: 31

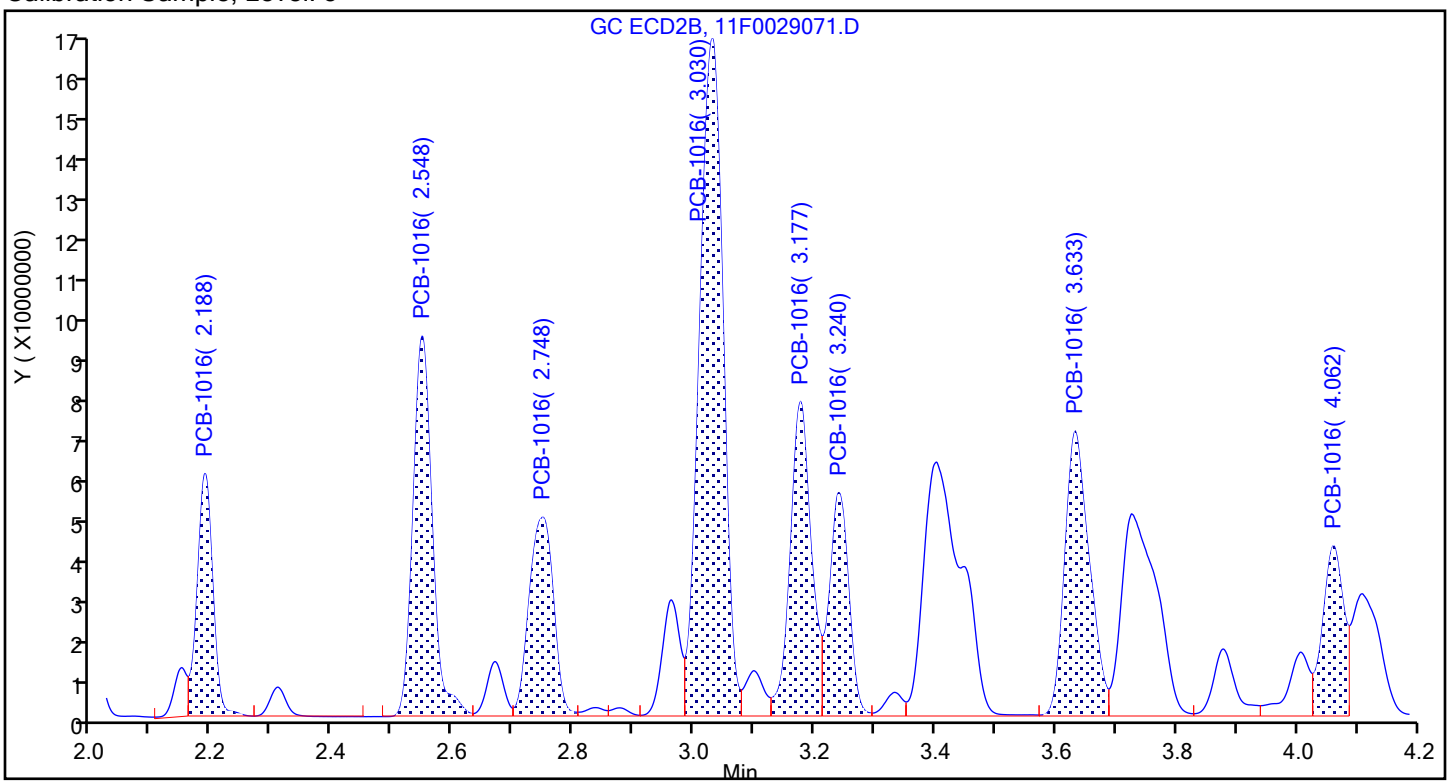
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

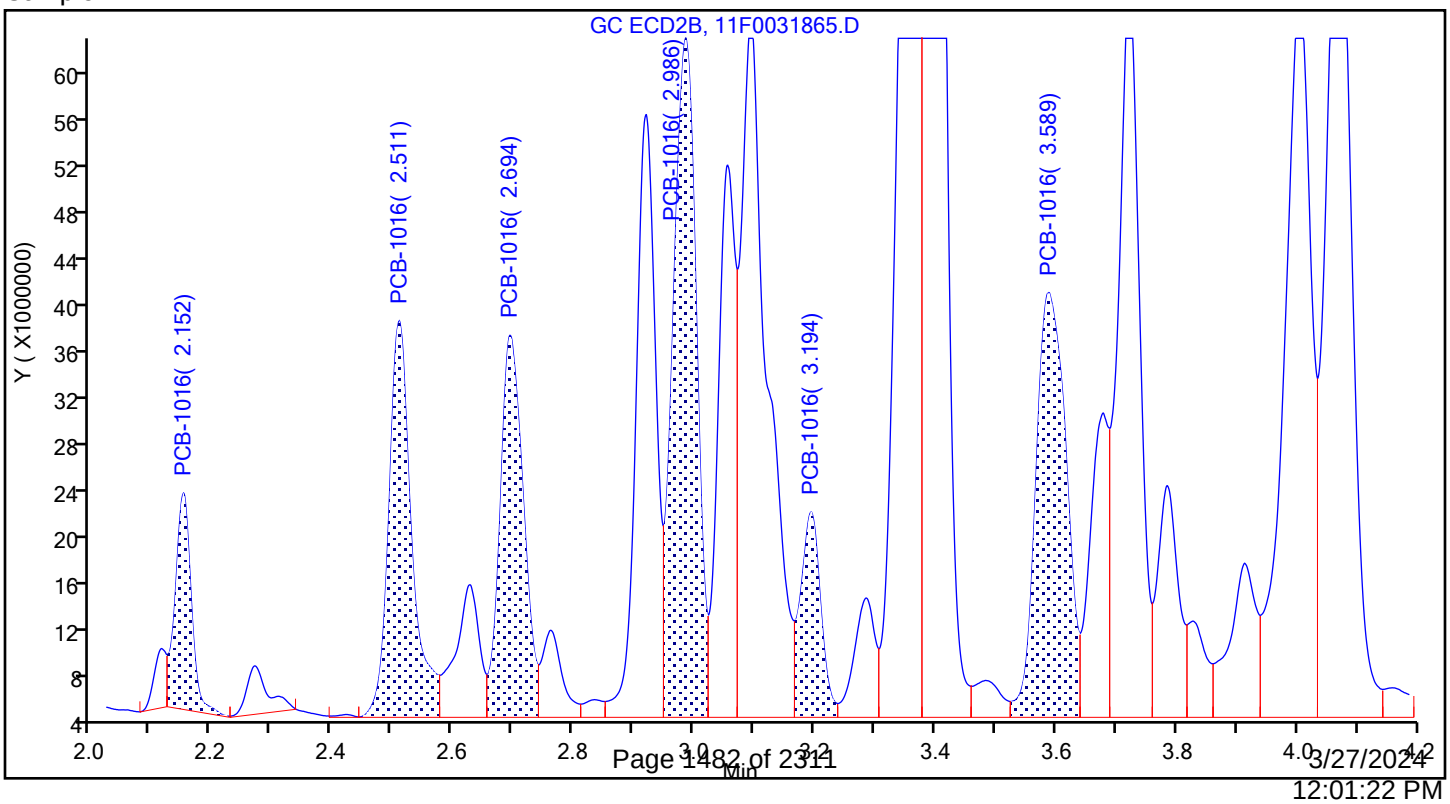
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



Sample



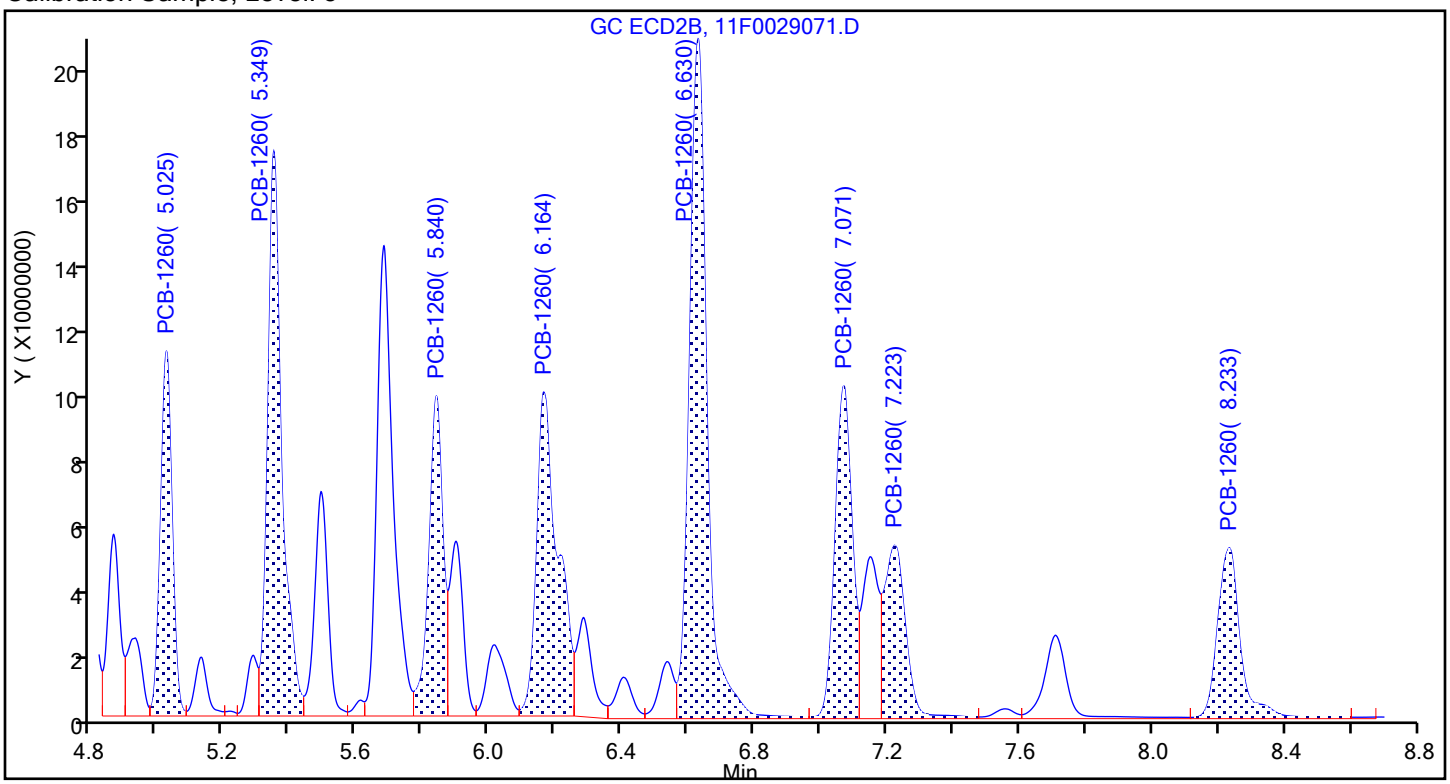
Report Date: 22-Mar-2024 14:54:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

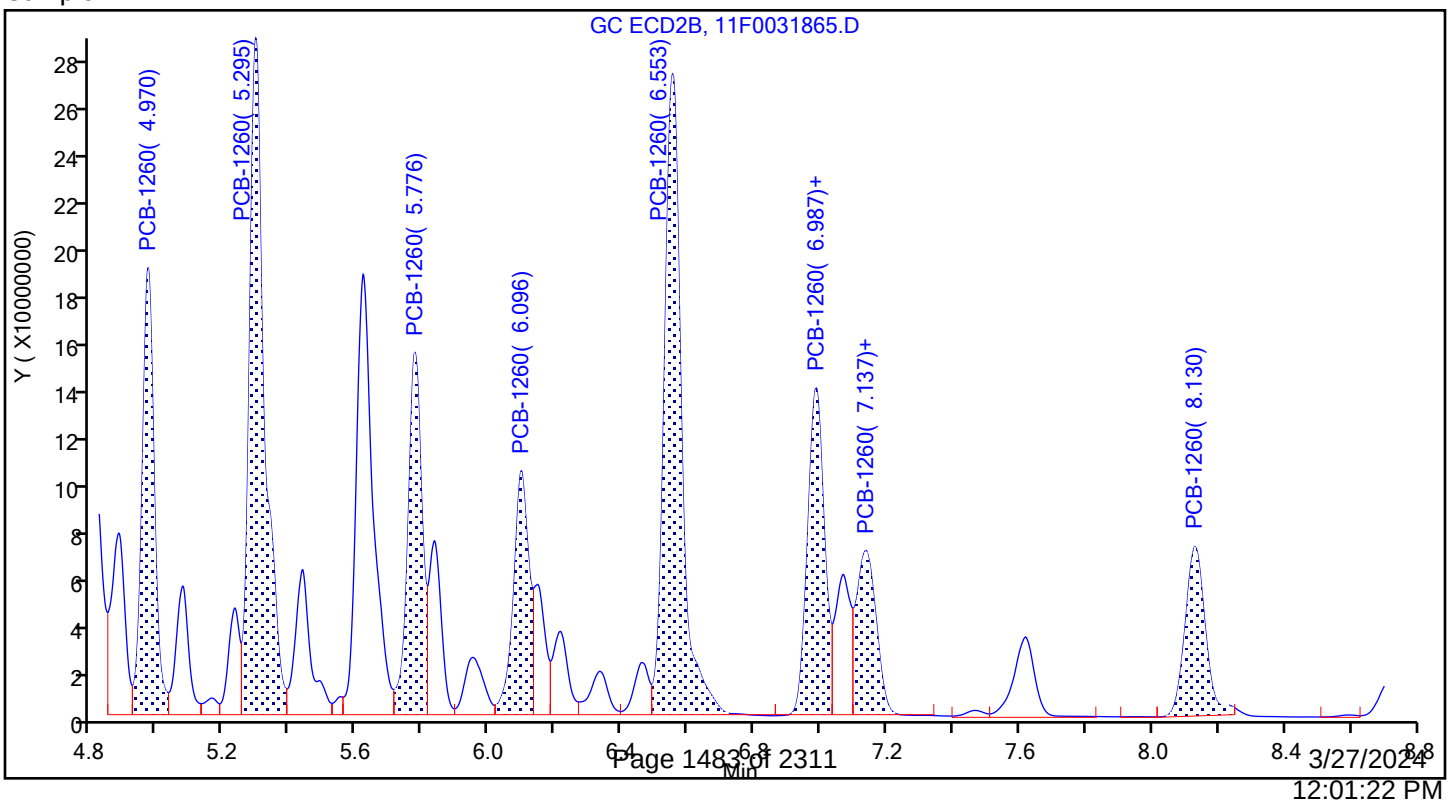
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D
Injection Date: 22-Mar-2024 14:14:54 Instrument ID: CPESTGC11
Lims ID: 460-300484-E-2-A MS
Client ID: MW-16R
Operator ID: ALS Bottle#: 31 Worklist Smp#: 31
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



Manual Integration/User Assign Peak Report

Eurofins Edison

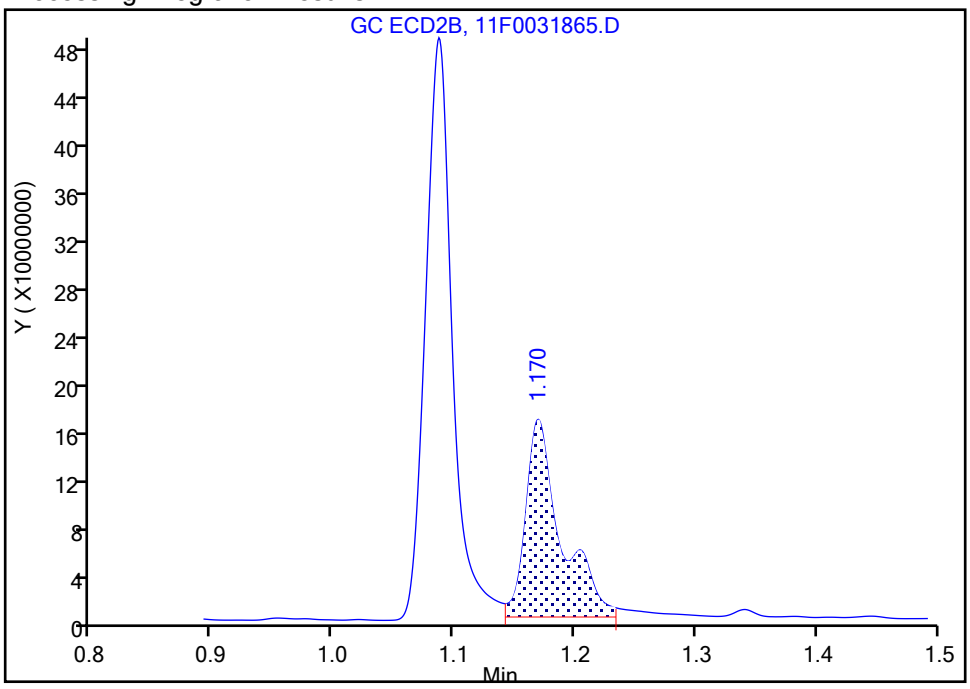
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031865.D				
Injection Date:	22-Mar-2024 14:14:54	Instrument ID:	CPESTGC11		
Lims ID:	460-300484-E-2-A MS				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	31	Worklist Smp#:	31
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

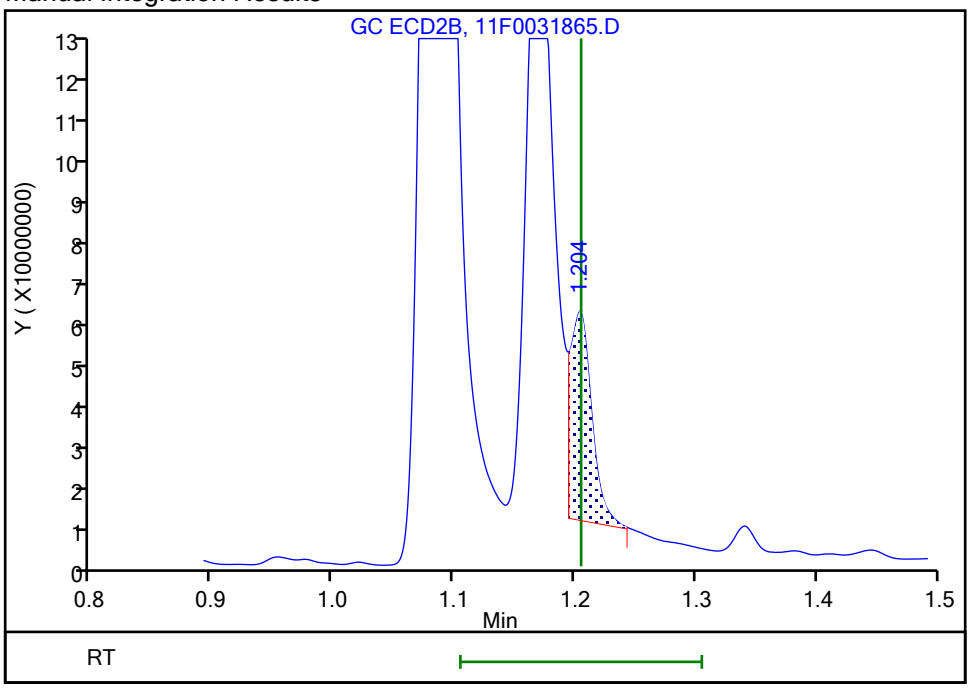
Processing Integration Results

RT: 1.17
Area: 335117880
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.20
Area: 57828217
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 14:34:03 -04:00:00 (UTC)

Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: 11F0031866.D

Analysis Method: 8082A | Date Collected: 03/18/2024 10:55

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:31

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.268*	*J*	*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*0.321*	*J*	*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.589*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	5	*	10-150
877-09-8	Tetrachloro-m-xylene	5	*	10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D
Lims ID: 460-300484-D-2-A MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 14:31:43 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-032
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 14:48:51 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:48:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							sM
1	1.414	1.413	0.001	865723864	20.0	20.0	
2	1.203	1.205	-0.002	51979615	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	153104762	100.0	4.50	
2	1.797	1.798	-0.001	228220353	100.0	80.3	
						RPD = 178.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.861	2.864	-0.003	32287579	1000.0	52.9	
1	3.347	3.350	-0.003	51675048	1000.0	44.9	
1	3.887	3.891	-0.004	130433671	1000.0	50.1	
1	4.050	4.054	-0.004	83420925	1000.0	73.6	
1	4.176	4.180	-0.004	33998972	1000.0	36.9	
1	4.625	4.629	-0.004	49874809	1000.0	60.5	
1	4.771	4.777	-0.006	109476619	1000.0	108.0	
1	5.140	5.143	-0.003	75186214	1000.0	109.7	
		Average of Peak Amounts =				67.1	
2	2.151	2.152	-0.001	36453159	1000.0	678.9	
2	2.509	2.508	0.001	89123246	1000.0	911.5	
2	2.696	2.703	-0.007	87426672	1000.0	1363.6	
2	2.984	2.985	-0.001	149358249	1000.0	732.9	
2	3.126	3.129	-0.003	57311432	1000.0	668.4	
2	3.193	3.193	0.000	41236599	1000.0	739.8	
2	3.586	3.582	0.004	98627500	1000.0	1087.3	
2	0.000	4.010	0.000	0	1000.0	0	
		Average of Peak Amounts =				883.2	
						RPD = 171.77	
8 PCB-1260							
1	6.030	6.033	-0.003	65220516	1000.0	87.6	
1	6.264	6.265	-0.001	171855459	1000.0	98.6	
1	6.590	6.595	-0.005	183305097	1000.0	90.8	
1	7.351	7.358	-0.007	140512736	1000.0	79.1	
1	7.903	7.908	-0.005	129537409	1000.0	64.7	
1	8.426	8.431	-0.005	363011917	1000.0	74.1	
1	9.218	9.223	-0.005	255035398	1000.0	71.9	
1	10.162	10.170	-0.008	122867321	1000.0	74.4	
		Average of Peak Amounts =				80.2	
2	4.969	4.969	0.000	184090253	1000.0	1449.9	
2	5.296	5.292	0.004	352608723	1000.0	1495.8	
2	5.776	5.777	-0.001	173162276	1000.0	1244.0	
2	6.097	6.094	0.003	152691624	1000.0	756.8	
2	6.552	6.552	0.000	389319024	1000.0	1136.9	
2	6.986	6.984	0.002	187074955	1000.0	1155.3	
2	7.140	7.139	0.001	121595610	1000.0	1148.0	
2	8.131	8.130	0.001	123843955	1000.0	1116.0	
		Average of Peak Amounts =				1187.8	
						RPD = 174.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.786	10.799	-0.013	216202663	100.0	4.94	
2	9.130	9.128	0.002	233144556	100.0	75.3	
						RPD = 175.36	
S 12 Polychlorinated biphenyls, Total							
1						147.2	
16 1260 Res 1							
2	6.986	7.005	-0.019	187074955		NR	
14 1260 Res 2							
2	7.068	7.086	-0.018	79686182		NR	
15 1260 Res 3							
2	7.140	7.155	-0.016	121595610		NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

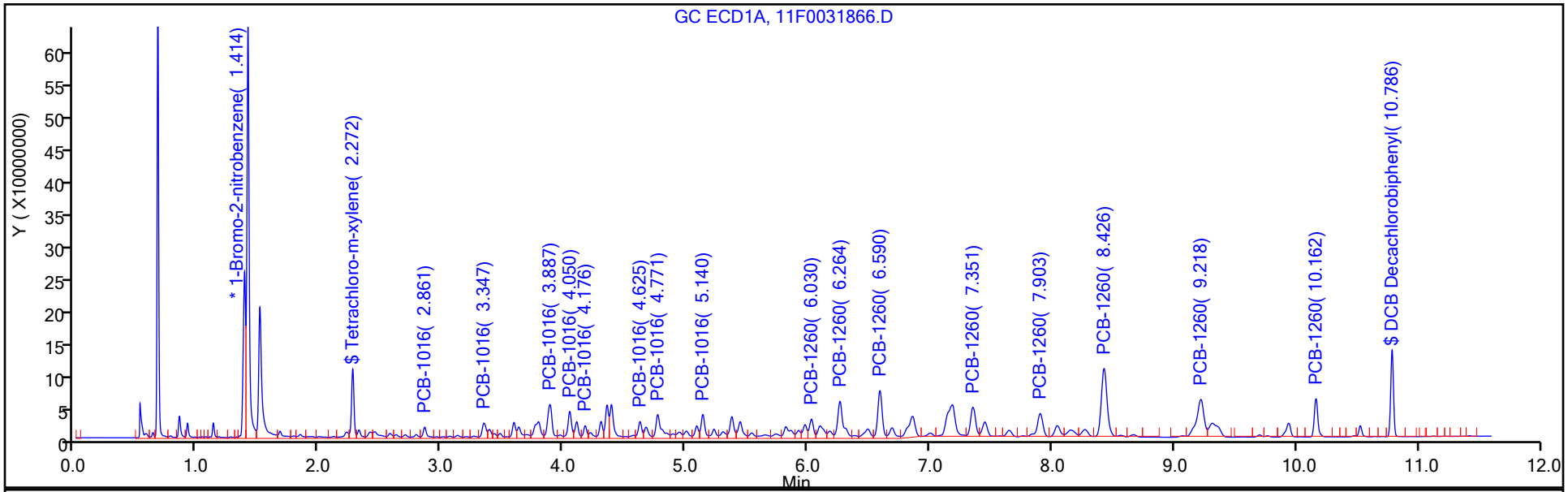
Reagents:

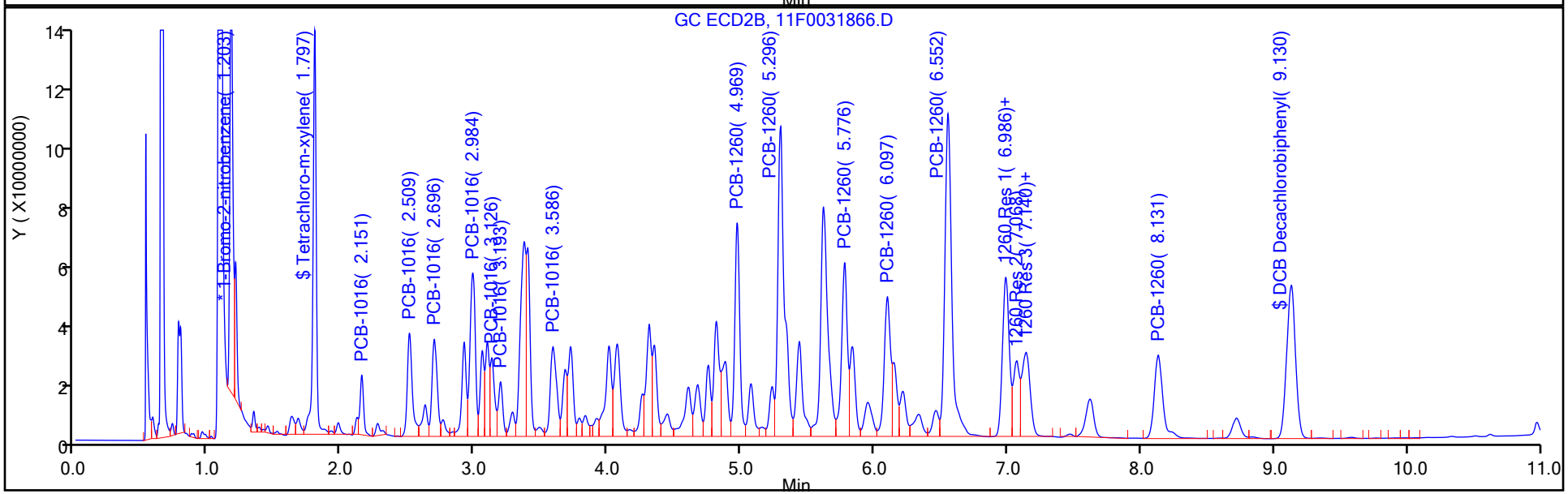
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 14:54:39 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D				
Injection Date:	22-Mar-2024 14:31:43	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-2-A MSD			Worklist Smp#:	32
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D				
Lims ID:	460-300484-D-2-A MSD				
Client ID:	MW-16R				
Sample Type:	MSD				
Inject. Date:	22-Mar-2024 14:31:43	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-032				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 14:48:51	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 14:48:51		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	4.50	4.50
$ 11 DCB Decachlorobiphenyl	100.0	4.94	4.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.3	80.27
$ 11 DCB Decachlorobiphenyl	100.0	75.3	75.27

Report Date: 22-Mar-2024 14:54:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D

Injection Date: 22-Mar-2024 14:31:43 Instrument ID: CPESTGC11

Lims ID: 460-300484-D-2-A MSD

Client ID: MW-16R

Operator ID: ALS Bottle#: 32 Worklist Smp#: 32

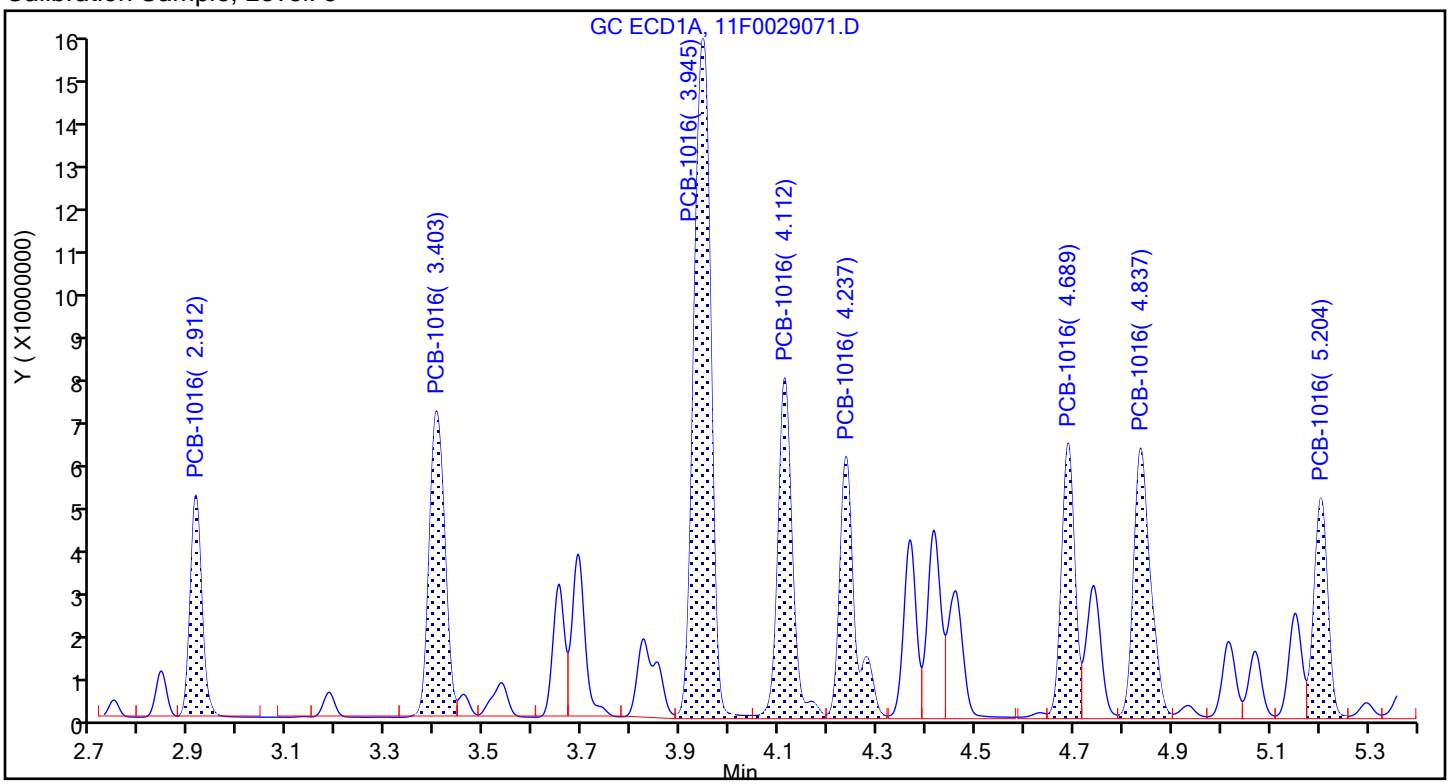
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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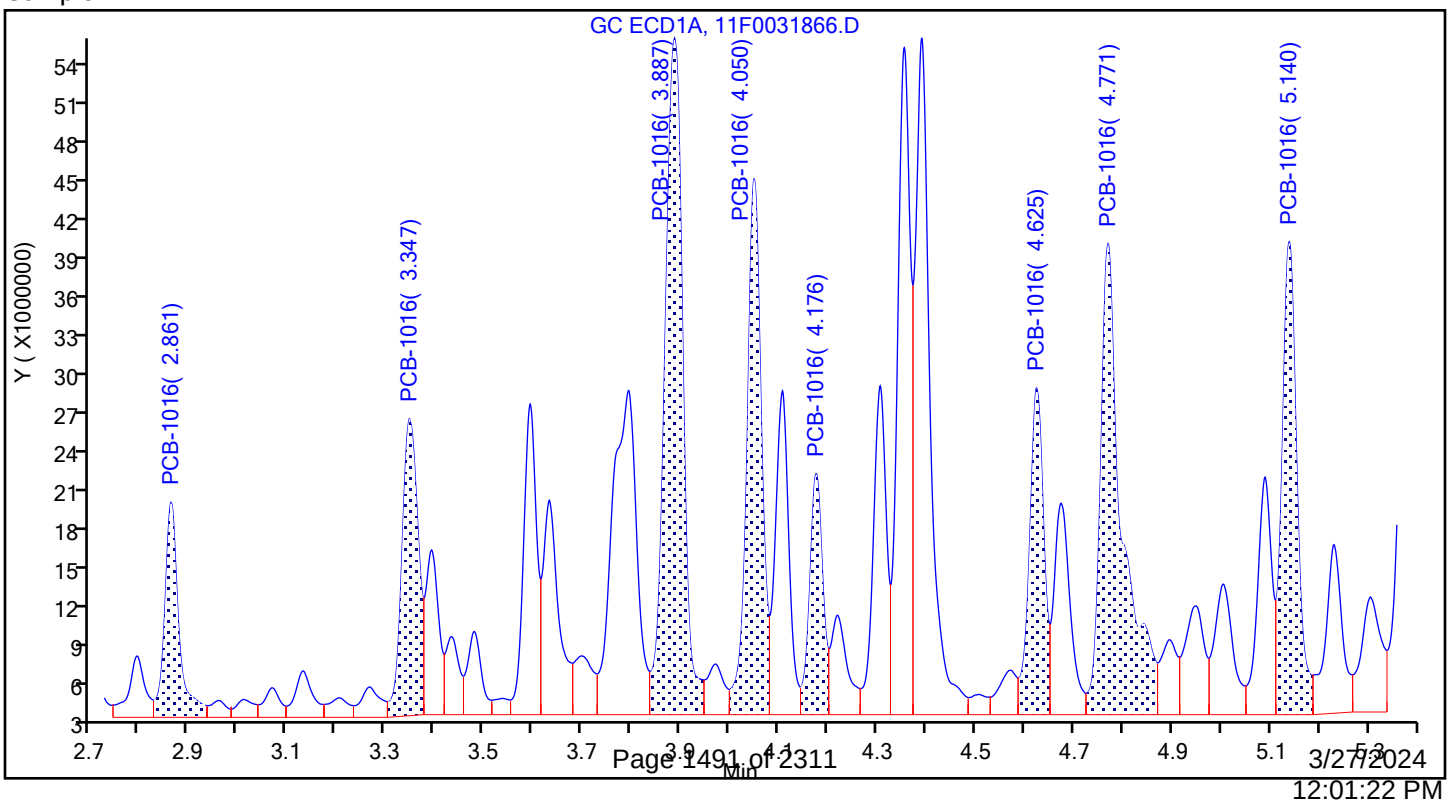


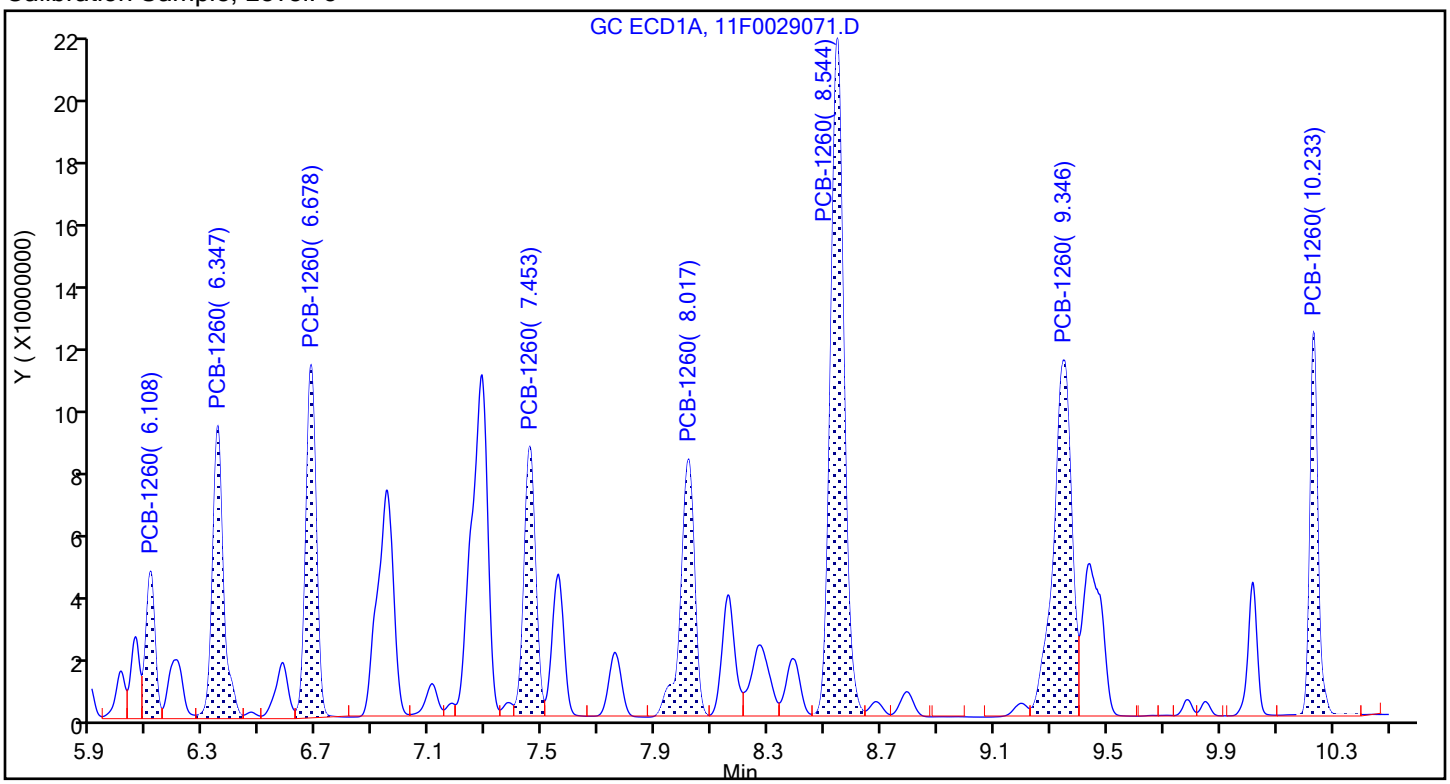
Report Date: 22-Mar-2024 14:54:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D
Injection Date: 22-Mar-2024 14:31:43 Instrument ID: CPESTGC11
Lims ID: 460-300484-D-2-A MSD
Client ID: MW-16R
Operator ID: ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



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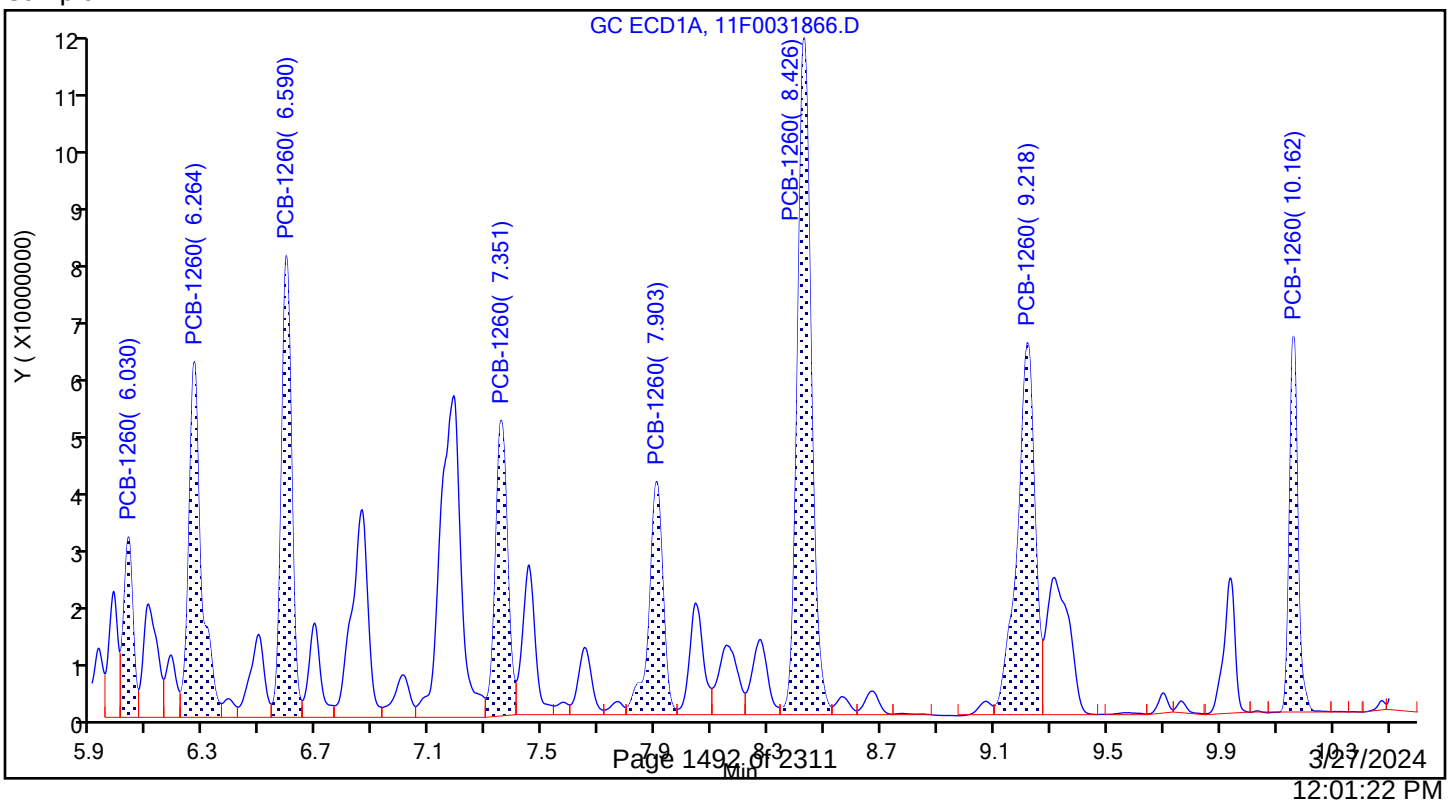


FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Client Sample ID: MW-16R MSD | Lab Sample ID: 460-300484-2 MSD

Matrix: Water | Lab File ID: 11F0031866.D

Analysis Method: 8082A | Date Collected: 03/18/2024 10:55

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:31

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.53		0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	4.75		0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	8.28		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		10-150
877-09-8	Tetrachloro-m-xylene	80		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D
Lims ID: 460-300484-D-2-A MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 14:31:43 ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-032
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 14:48:51 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 14:48:51

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							sM
1	1.414	1.413	0.001	865723864	20.0	20.0	
2	1.203	1.205	-0.002	51979615	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	153104762	100.0	4.50	
2	1.797	1.798	-0.001	228220353	100.0	80.3	
						RPD = 178.75	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.861	2.864	-0.003	32287579	1000.0	52.9	
1	3.347	3.350	-0.003	51675048	1000.0	44.9	
1	3.887	3.891	-0.004	130433671	1000.0	50.1	
1	4.050	4.054	-0.004	83420925	1000.0	73.6	
1	4.176	4.180	-0.004	33998972	1000.0	36.9	
1	4.625	4.629	-0.004	49874809	1000.0	60.5	
1	4.771	4.777	-0.006	109476619	1000.0	108.0	
1	5.140	5.143	-0.003	75186214	1000.0	109.7	
		Average of Peak Amounts =				67.1	
2	2.151	2.152	-0.001	36453159	1000.0	678.9	
2	2.509	2.508	0.001	89123246	1000.0	911.5	
2	2.696	2.703	-0.007	87426672	1000.0	1363.6	
2	2.984	2.985	-0.001	149358249	1000.0	732.9	
2	3.126	3.129	-0.003	57311432	1000.0	668.4	
2	3.193	3.193	0.000	41236599	1000.0	739.8	
2	3.586	3.582	0.004	98627500	1000.0	1087.3	
2	0.000	4.010	0.000	0	1000.0	0	
		Average of Peak Amounts =				883.2	
						RPD = 171.77	
8 PCB-1260							
1	6.030	6.033	-0.003	65220516	1000.0	87.6	
1	6.264	6.265	-0.001	171855459	1000.0	98.6	
1	6.590	6.595	-0.005	183305097	1000.0	90.8	
1	7.351	7.358	-0.007	140512736	1000.0	79.1	
1	7.903	7.908	-0.005	129537409	1000.0	64.7	
1	8.426	8.431	-0.005	363011917	1000.0	74.1	
1	9.218	9.223	-0.005	255035398	1000.0	71.9	
1	10.162	10.170	-0.008	122867321	1000.0	74.4	
		Average of Peak Amounts =				80.2	
2	4.969	4.969	0.000	184090253	1000.0	1449.9	
2	5.296	5.292	0.004	352608723	1000.0	1495.8	
2	5.776	5.777	-0.001	173162276	1000.0	1244.0	
2	6.097	6.094	0.003	152691624	1000.0	756.8	
2	6.552	6.552	0.000	389319024	1000.0	1136.9	
2	6.986	6.984	0.002	187074955	1000.0	1155.3	
2	7.140	7.139	0.001	121595610	1000.0	1148.0	
2	8.131	8.130	0.001	123843955	1000.0	1116.0	
		Average of Peak Amounts =				1187.8	
						RPD = 174.71	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.786	10.799	-0.013	216202663	100.0	4.94	
2	9.130	9.128	0.002	233144556	100.0	75.3	
						RPD = 175.36	
S 12 Polychlorinated biphenyls, Total							
1						147.2	
16 1260 Res 1							
2	6.986	7.005	-0.019	187074955		NR	
14 1260 Res 2							
2	7.068	7.086	-0.018	79686182		NR	
15 1260 Res 3							
2	7.140	7.155	-0.016	121595610		NR	

QC Flag Legend

Processing Flags
- NR - Missing Quant Standard
- s - Failed ISTD Recovery Test

Review Flags
- M - Manually Integrated

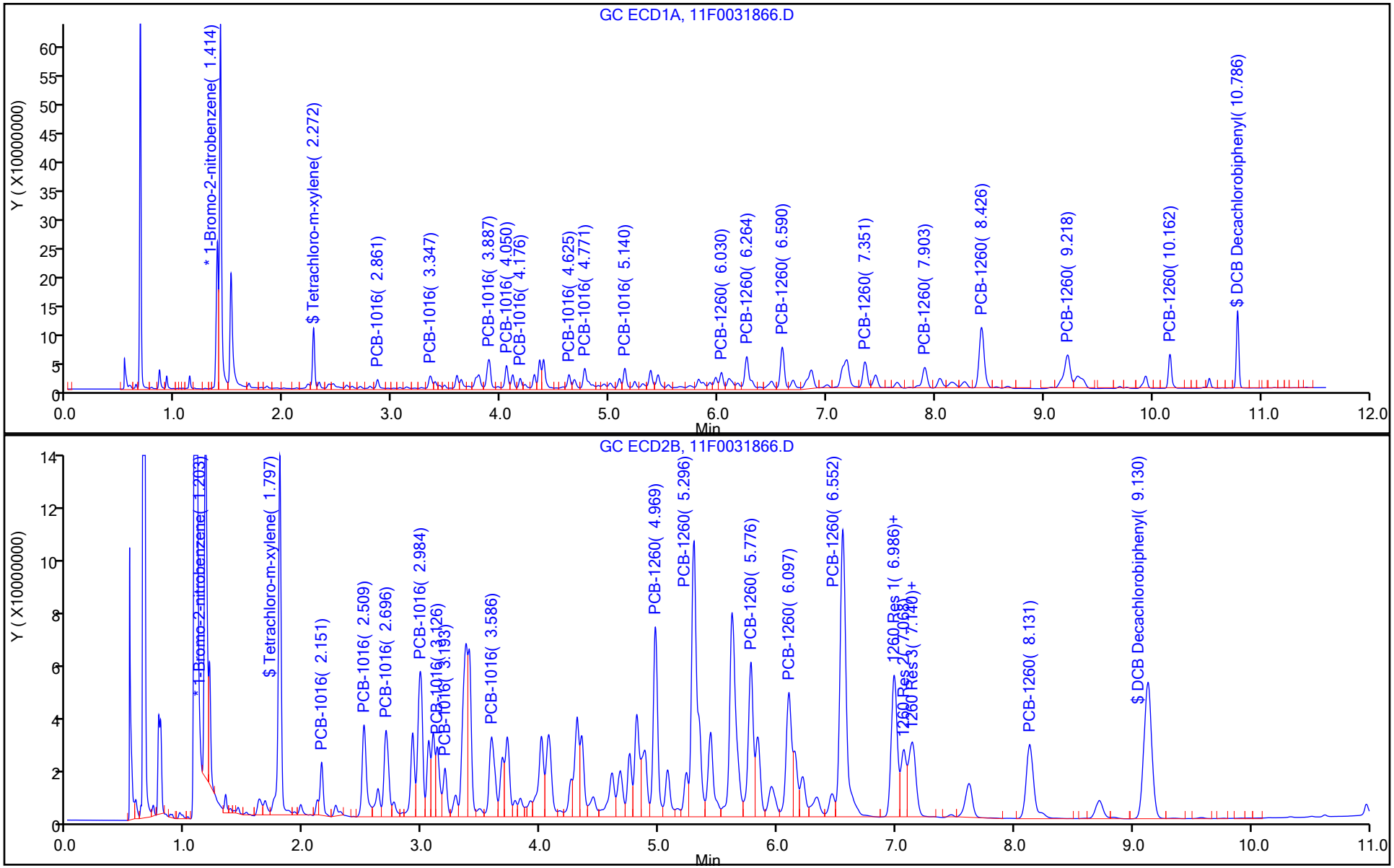
Reagents:

SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 14:54:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D				
Injection Date:	22-Mar-2024 14:31:43	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300484-D-2-A MSD			Worklist Smp#:	32
Client ID:	MW-16R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
12:01:22 PM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D				
Lims ID:	460-300484-D-2-A MSD				
Client ID:	MW-16R				
Sample Type:	MSD				
Inject. Date:	22-Mar-2024 14:31:43	ALS Bottle#:	32	Worklist Smp#:	32
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-032				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 14:48:51	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 14:48:51		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	4.50	4.50
$ 11 DCB Decachlorobiphenyl	100.0	4.94	4.94

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.3	80.27
$ 11 DCB Decachlorobiphenyl	100.0	75.3	75.27

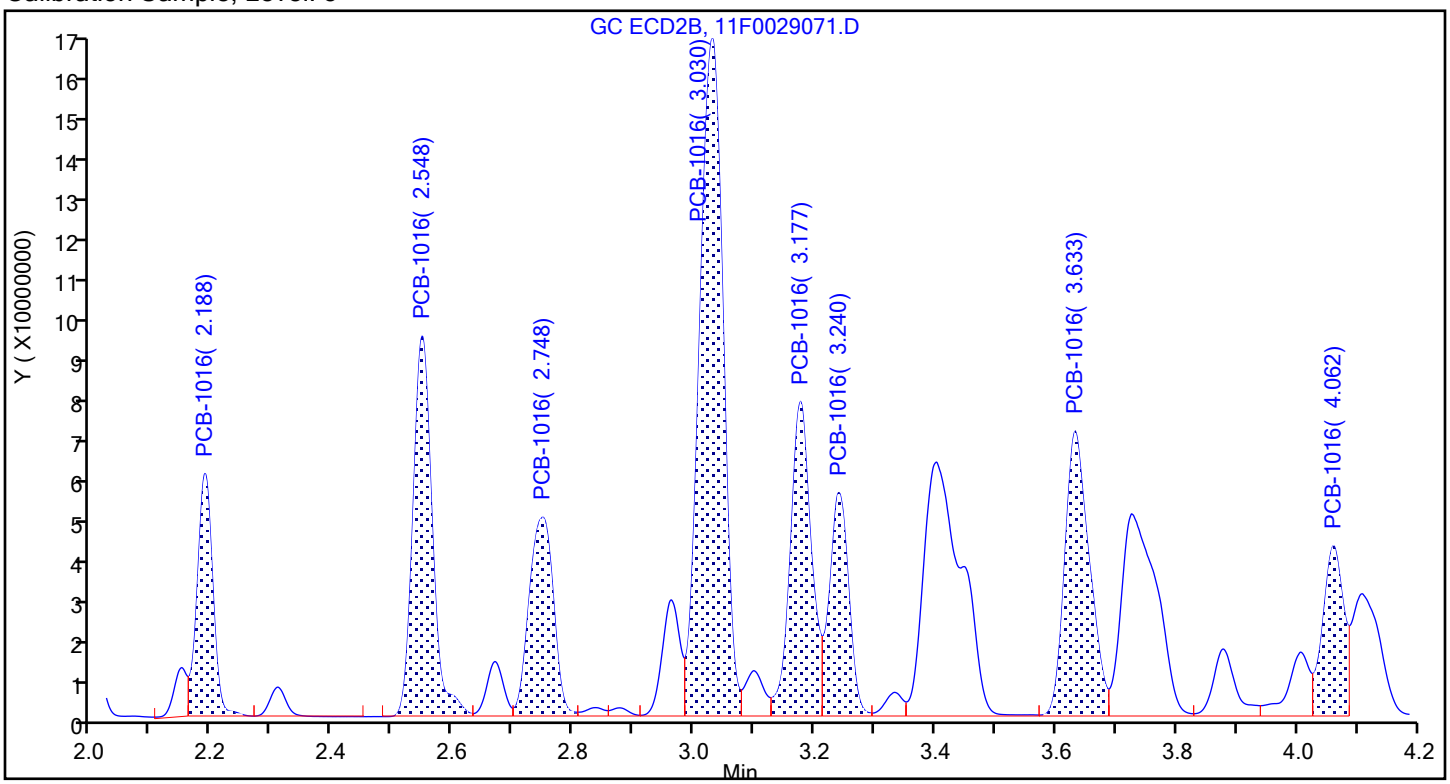
Report Date: 22-Mar-2024 14:54:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D
Injection Date: 22-Mar-2024 14:31:43 Instrument ID: CPESTGC11
Lims ID: 460-300484-D-2-A MSD
Client ID: MW-16R
Operator ID: ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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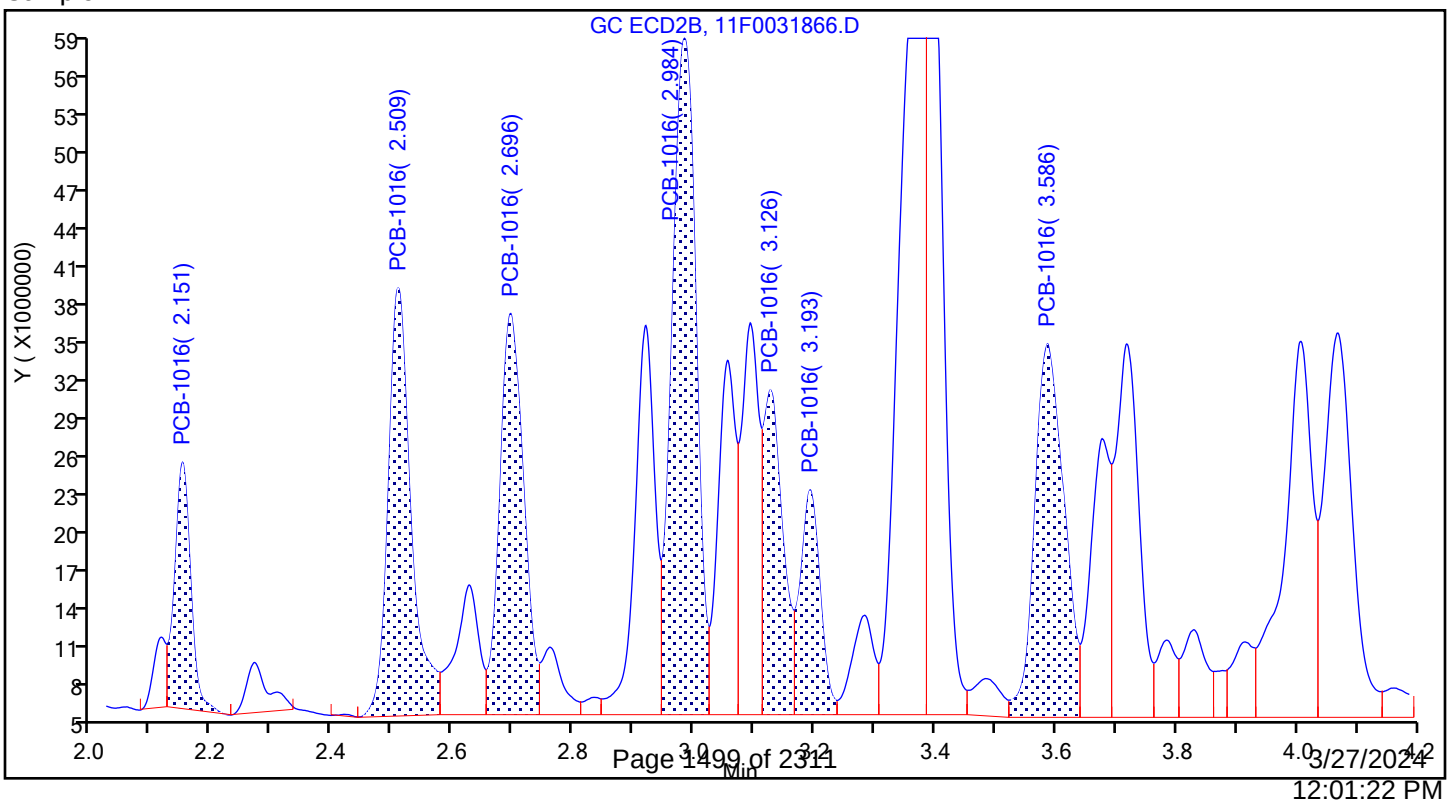


Report Date: 22-Mar-2024 14:54:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D

Injection Date: 22-Mar-2024 14:31:43 Instrument ID: CPESTGC11

Lims ID: 460-300484-D-2-A MSD

Client ID: MW-16R

Operator ID: ALS Bottle#: 32 Worklist Smp#: 32

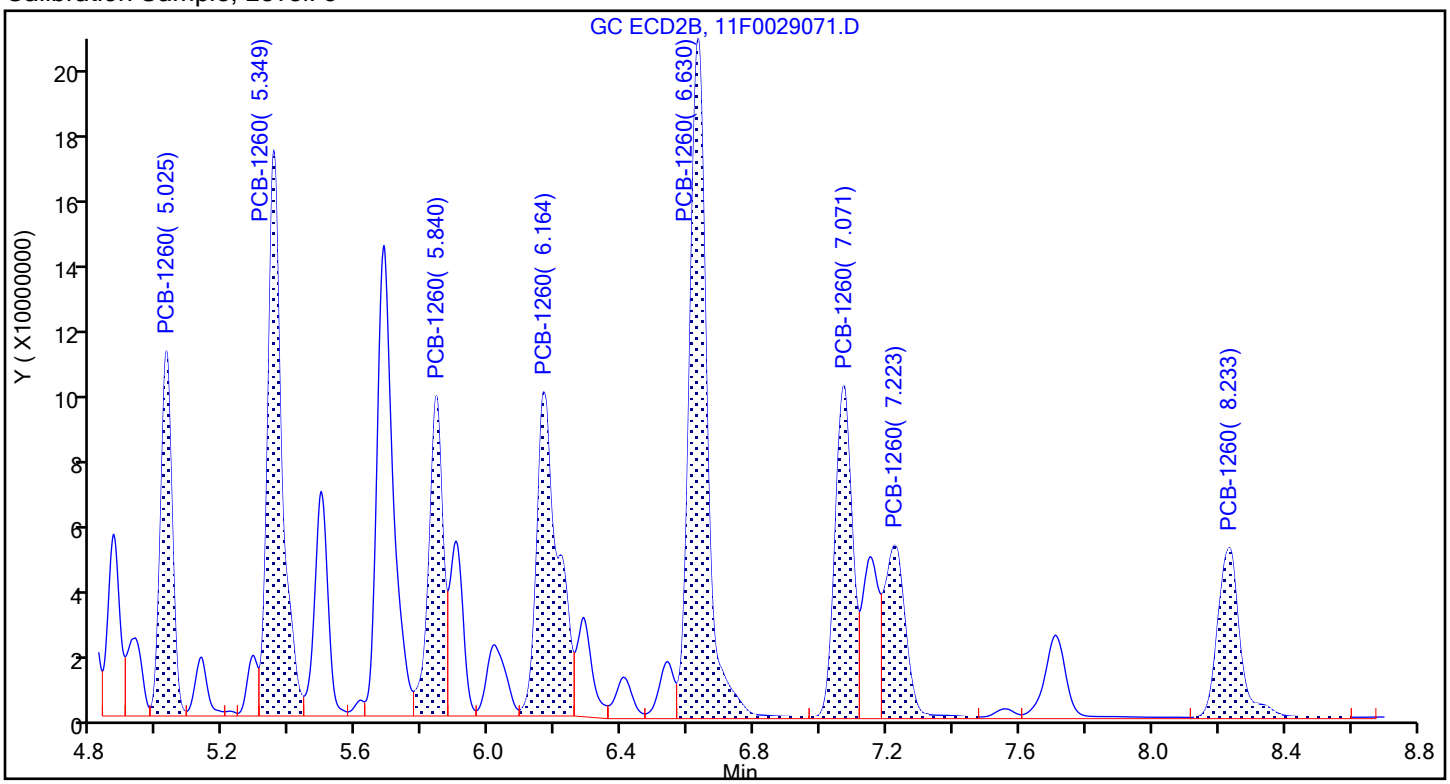
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



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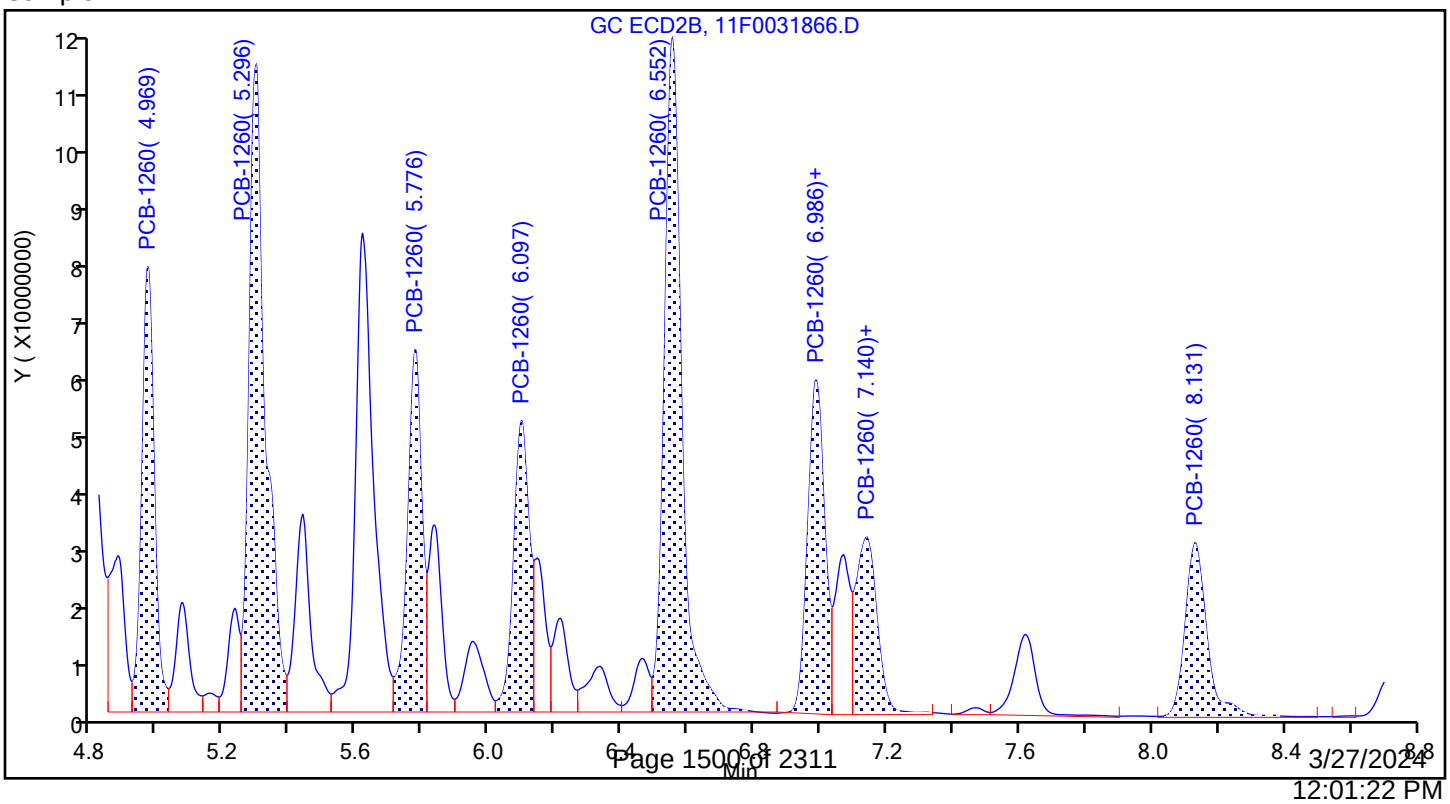


Manual Integration/User Assign Peak Report

Eurofins Edison

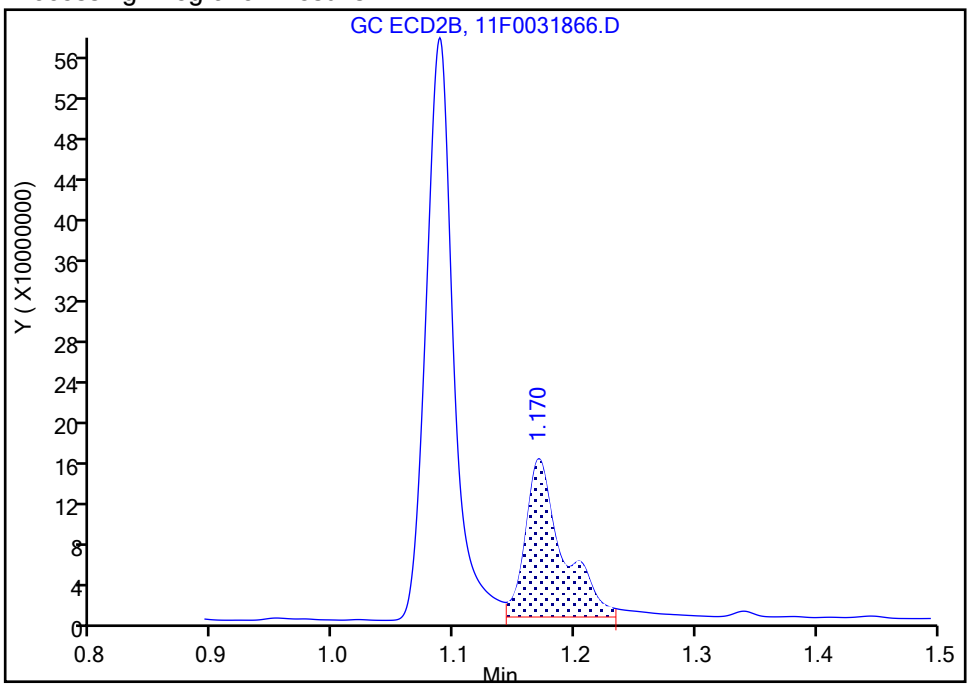
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031866.D
Injection Date: 22-Mar-2024 14:31:43 Instrument ID: CPESTGC11
Lims ID: 460-300484-D-2-A MSD
Client ID: MW-16R
Operator ID: ALS Bottle#: 32 Worklist Smp#: 32
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

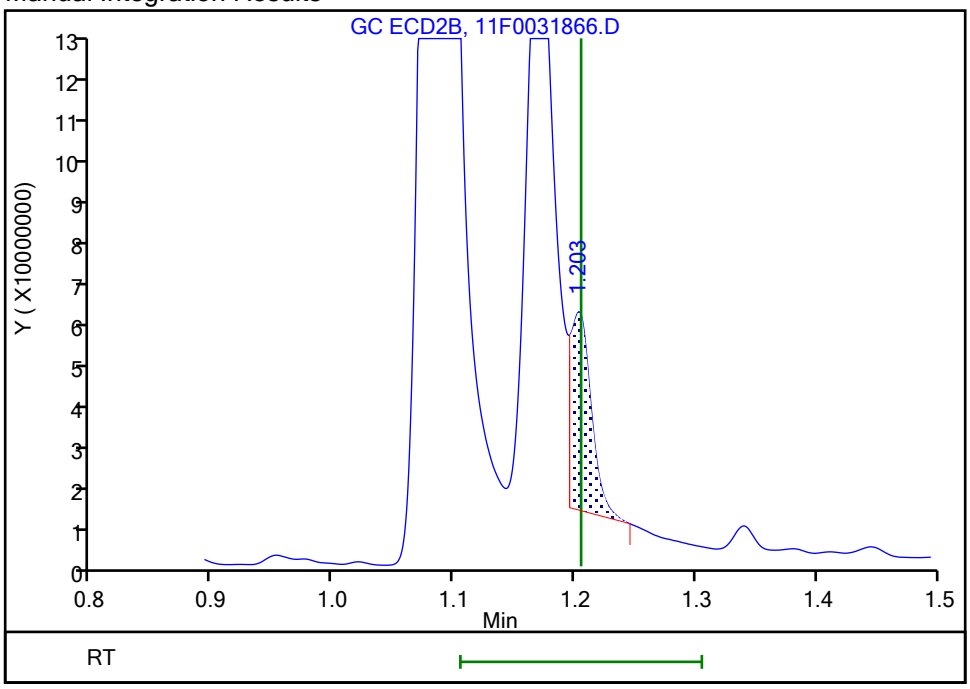
Processing Integration Results

RT: 1.17
Area: 332532069
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.20
Area: 51979615
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 14:48:33 -04:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Baseline Smoothing

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 12/21/2023 10:26

Analysis Batch Number: 951474 End Date: 12/21/2023 14:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-951474/1		12/21/2023 10:26	1		CLP-2 0.53(mm)
PIBLK 460-951474/1		12/21/2023 10:26	1		Rtx-CLP 0.53(mm)
IC 460-951474/2		12/21/2023 10:43	1	11F0029067.D	CLP-2 0.53(mm)
IC 460-951474/2		12/21/2023 10:43	1	11F0029067.D	Rtx-CLP 0.53(mm)
IC 460-951474/3		12/21/2023 10:59	1	11F0029068.D	CLP-2 0.53(mm)
IC 460-951474/3		12/21/2023 10:59	1	11F0029068.D	Rtx-CLP 0.53(mm)
IC 460-951474/4 ICIS		12/21/2023 11:16	1	11F0029069.D	CLP-2 0.53(mm)
IC 460-951474/4 ICIS		12/21/2023 11:16	1	11F0029069.D	Rtx-CLP 0.53(mm)
IC 460-951474/5		12/21/2023 11:33	1	11F0029070.D	CLP-2 0.53(mm)
IC 460-951474/5		12/21/2023 11:33	1	11F0029070.D	Rtx-CLP 0.53(mm)
IC 460-951474/6		12/21/2023 11:49	1	11F0029071.D	CLP-2 0.53(mm)
IC 460-951474/6		12/21/2023 11:49	1	11F0029071.D	Rtx-CLP 0.53(mm)
ICV 460-951474/7		12/21/2023 12:06	1	11F0029072.D	CLP-2 0.53(mm)
ICV 460-951474/7		12/21/2023 12:06	1	11F0029072.D	Rtx-CLP 0.53(mm)
IC 460-951474/8		12/21/2023 12:23	1	11F0029073.D	CLP-2 0.53(mm)
IC 460-951474/8		12/21/2023 12:23	1	11F0029073.D	Rtx-CLP 0.53(mm)
IC 460-951474/9		12/21/2023 12:39	1	11F0029074.D	CLP-2 0.53(mm)
IC 460-951474/9		12/21/2023 12:39	1	11F0029074.D	Rtx-CLP 0.53(mm)
IC 460-951474/10		12/21/2023 12:56	1	11F0029075.D	CLP-2 0.53(mm)
IC 460-951474/10		12/21/2023 12:56	1	11F0029075.D	Rtx-CLP 0.53(mm)
IC 460-951474/11		12/21/2023 13:13	1	11F0029076.D	CLP-2 0.53(mm)
IC 460-951474/11		12/21/2023 13:13	1	11F0029076.D	Rtx-CLP 0.53(mm)
IC 460-951474/12		12/21/2023 13:30	1	11F0029077.D	CLP-2 0.53(mm)
IC 460-951474/12		12/21/2023 13:30	1	11F0029077.D	Rtx-CLP 0.53(mm)
IC 460-951474/13		12/21/2023 13:46	1	11F0029078.D	CLP-2 0.53(mm)
IC 460-951474/13		12/21/2023 13:46	1	11F0029078.D	Rtx-CLP 0.53(mm)
IC 460-951474/14		12/21/2023 14:03	1	11F0029079.D	CLP-2 0.53(mm)
IC 460-951474/14		12/21/2023 14:03	1	11F0029079.D	Rtx-CLP 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 03/22/2024 05:38

Analysis Batch Number: 965367 End Date: 03/22/2024 17:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-965367/1		03/22/2024 05:38	1	11F0031835.D	CLP-2 0.53(mm)
PIBLK 460-965367/1		03/22/2024 05:38	1	11F0031835.D	Rtx-CLP 0.53(mm)
CCVIS 460-965367/2		03/22/2024 05:54	1	11F0031836.D	CLP-2 0.53(mm)
CCVIS 460-965367/2		03/22/2024 05:54	1	11F0031836.D	Rtx-CLP 0.53(mm)
CCV 460-965367/3		03/22/2024 06:11	1		CLP-2 0.53(mm)
CCV 460-965367/3		03/22/2024 06:11	1		Rtx-CLP 0.53(mm)
CCV 460-965367/4		03/22/2024 06:28	1		CLP-2 0.53(mm)
CCV 460-965367/4		03/22/2024 06:28	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 06:45	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 06:45	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:01	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:01	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:18	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:18	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:35	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:35	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:51	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:51	1		Rtx-CLP 0.53(mm)
MB 460-965331/1-A		03/22/2024 08:08	1	11F0031844.D	CLP-2 0.53(mm)
MB 460-965331/1-A		03/22/2024 08:08	1	11F0031844.D	Rtx-CLP 0.53(mm)
LCS 460-965331/2-A		03/22/2024 08:25	1	11F0031845.D	CLP-2 0.53(mm)
LCS 460-965331/2-A		03/22/2024 08:25	1	11F0031845.D	Rtx-CLP 0.53(mm)
LCSD 460-965331/3-A		03/22/2024 08:42	1	11F0031846.D	CLP-2 0.53(mm)
LCSD 460-965331/3-A		03/22/2024 08:42	1	11F0031846.D	Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 08:58	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 08:58	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:15	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:15	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:32	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:32	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:48	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:48	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:05	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:05	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:22	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:39	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:39	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:55	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 11:12	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 11:12	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 11:35	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 11:35	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:01	100		CLP-2 0.53(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 03/22/2024 05:38

Analysis Batch Number: 965367 End Date: 03/22/2024 17:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/22/2024 12:01	100		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:17	500		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:17	500		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:34	100		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:34	100		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:51	200		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:51	200		Rtx-CLP 0.53(mm)
460-300484-1	MW-12	03/22/2024 13:08	1	11F0031861.D	CLP-2 0.53(mm)
460-300484-1	MW-12	03/22/2024 13:08	1	11F0031861.D	Rtx-CLP 0.53(mm)
460-300484-2	MW-16R	03/22/2024 13:24	1	11F0031862.D	CLP-2 0.53(mm)
460-300484-2	MW-16R	03/22/2024 13:24	1	11F0031862.D	Rtx-CLP 0.53(mm)
460-300484-3	MW-17R	03/22/2024 13:41	1	11F0031863.D	CLP-2 0.53(mm)
460-300484-3	MW-17R	03/22/2024 13:41	1	11F0031863.D	Rtx-CLP 0.53(mm)
460-300484-4	DUP_03182024	03/22/2024 13:58	1	11F0031864.D	CLP-2 0.53(mm)
460-300484-4	DUP_03182024	03/22/2024 13:58	1	11F0031864.D	Rtx-CLP 0.53(mm)
460-300484-2 MS	MW-16R MS	03/22/2024 14:14	1	11F0031865.D	CLP-2 0.53(mm)
460-300484-2 MS	MW-16R MS	03/22/2024 14:14	1	11F0031865.D	Rtx-CLP 0.53(mm)
460-300484-2 MSD	MW-16R MSD	03/22/2024 14:31	1	11F0031866.D	CLP-2 0.53(mm)
460-300484-2 MSD	MW-16R MSD	03/22/2024 14:31	1	11F0031866.D	Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 14:48	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 14:48	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:05	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:05	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:22	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:38	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:38	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:55	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:12	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:12	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:28	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:28	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:51	2		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:51	2		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 17:08	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 17:08	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 17:24	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 17:24	1		Rtx-CLP 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 951474 Batch Start Date: 12/21/23 10:26 Batch Analyst: Patel, Jignesh

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SG1221L4 00034	SG1232L4 00036	SG1242L4 00036	SG1248L4 00035	SG1254L4 00035
IC 460-951474/2		8082A			1 mL					
IC 460-951474/3		8082A			1 mL					
IC 460-951474/4 ICIS		8082A			1 mL					
IC 460-951474/5		8082A			1 mL					
IC 460-951474/6		8082A			1 mL					
ICV 460-951474/7		8082A			1 mL					
IC 460-951474/8		8082A			1 mL	1 mL				
IC 460-951474/9		8082A			1 mL		1 mL			
IC 460-951474/10		8082A			1 mL			1 mL		
IC 460-951474/11		8082A			1 mL				1 mL	
IC 460-951474/12		8082A			1 mL					1 mL
IC 460-951474/13		8082A			1 mL					
IC 460-951474/14		8082A			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1260ResPCB 00002	SG1262L4 00035	SG1268L4 00035	SG1660L1 00027	SG1660L2 00036	SG1660L3 00043
IC 460-951474/2		8082A						1 mL		
IC 460-951474/3		8082A							1 mL	
IC 460-951474/4 ICIS		8082A			1 mL					1 mL
IC 460-951474/5		8082A								
IC 460-951474/6		8082A								
ICV 460-951474/7		8082A								
IC 460-951474/8		8082A								
IC 460-951474/9		8082A								
IC 460-951474/10		8082A								
IC 460-951474/11		8082A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 951474 Batch Start Date: 12/21/23 10:26 Batch Analyst: Patel, Jignesh

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1260ResPCB 00002	SG1262L4 00035	SG1268L4 00035	SG1660L1 00027	SG1660L2 00036	SG1660L3 00043
IC 460-951474/12		8082A								
IC 460-951474/13		8082A				1 mL				
IC 460-951474/14		8082A					1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1660L4 00035	SG1660L5 00035	SGPCBICV 00032	SGPCBISTD 00029		
IC 460-951474/2		8082A						20 uL		
IC 460-951474/3		8082A						20 uL		
IC 460-951474/4 ICIS		8082A						20 uL		
IC 460-951474/5		8082A			1 mL			20 uL		
IC 460-951474/6		8082A				1 mL		20 uL		
ICV 460-951474/7		8082A					1 mL	20 uL		
IC 460-951474/8		8082A						20 uL		
IC 460-951474/9		8082A						20 uL		
IC 460-951474/10		8082A						20 uL		
IC 460-951474/11		8082A						20 uL		
IC 460-951474/12		8082A						20 uL		
IC 460-951474/13		8082A						20 uL		
IC 460-951474/14		8082A						20 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965331 Batch Start Date: 03/21/24 20:25 Batch Analyst: Silva, Jose

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PCB SP_LVI 00018	OPPSPCBSU_LVI 00022	AnalysisComment
MB 460-965331/1		3510C, 8082A			250 mL	1 mL	7 SU		50 uL	
LCS 460-965331/2		3510C, 8082A			250 mL	1 mL	7 SU	50 uL	50 uL	
LCSD 460-965331/3		3510C, 8082A			250 mL	1 mL	7 SU	50 uL	50 uL	
460-300484-E-2 MS	MW-16R	3510C, 8082A	Water	T	250 mL	1 mL	7 SU	50 uL	50 uL	Add By AB
460-300484-D-2 MSD	MW-16R	3510C, 8082A	Water	T	250 mL	1 mL	7 SU	50 uL	50 uL	Add By AB
460-300484-D-1	MW-12	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB
460-300484-D-2	MW-16R	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB
460-300484-D-3	MW-17R	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB
460-300484-D-4	DUP_03182024	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB

Batch Notes	
Method/Fraction	3510C_LVI / 8082A
pH Indicator ID	10BDH4321
Analyst ID - Extraction	Jose
Analyst ID - Spike Analyst	Jose
Analyst ID - Spike Witness Analyst	AA
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	Dichloromethane: 762001
Na2SO4 ID	230290
Analyst ID - Concentration	OS
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Exchange Solvent ID	Hexane: 1462011
Vial Lot Number	21116173
Batch Comment	PCB Water

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965331 Batch Start Date: 03/21/24 20:25 Batch Analyst: Silva, Jose

Batch Method: 3510C Batch End Date:

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG No.:

Project: Powerhouse, Brooklyn, NY

Client Sample ID	Lab Sample ID
MW-12	460-300484-1
MW-16R	460-300484-2
MW-17R	460-300484-3
DUP_03182024	460-300484-4

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-12 Lab Sample ID: 460-300484-1

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG ID.:

Matrix: Water Date Sampled: 03/18/2024 13:50

Reporting Basis: WET Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG ID.:

Matrix: Water | Date Sampled: 03/18/2024 13:50

Reporting Basis: WET | Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	1.6	2.0	1.2	ug/L	J		1	6020B
7440-39-3	Barium	16.6	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG ID.:

Matrix: Water | Date Sampled: 03/18/2024 13:50

Reporting Basis: WET | Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	15.9	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 10:55
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.42	0.20	0.091	ug/L			1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 10:55
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.9	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	97.8	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	2.8	1.2	0.42	ug/L			1	6020B
7782-49-2	Selenium	0.81	2.5	0.43	ug/L	J		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 10:55
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	71.1	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	0.67	2.5	0.43	ug/L	J		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 08:30
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 08:30
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.8	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	308	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	8.4	1.2	0.42	ug/L			1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 08:30
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	250	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG ID.:

Matrix: Water Date Sampled: 03/18/2024 12:00

Reporting Basis: WET Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG ID.:

Matrix: Water Date Sampled: 03/18/2024 12:00

Reporting Basis: WET Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.0	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	267	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	4.6	1.2	0.42	ug/L			1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG ID.:

Matrix: Water Date Sampled: 03/18/2024 12:00

Reporting Basis: WET Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	248	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	ICV 460-966084/7 03/26/2024 15:16				CCV 460-966084/15 03/26/2024 15:53				CCV 460-966084/23 03/26/2024 16:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.21		80.0	99	99.46		100	99	102.0		100	102
Barium	80.81		80.0	101	100.6		100	101	99.36		100	99
Cadmium	82.66		80.0	103	100.7		100	101	100.1		100	100
Chromium	79.38		80.0	99	100.8		100	101	101.5		100	102
Lead	79.51		80.0	99	100.1		100	100	100.9		100	101
Selenium	80.85		80.0	101	101.3		100	101	104.5		100	104
Silver	40.59		40.0	101	49.73		50.0	99	50.36		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	CCV 460-966084/33 03/26/2024 17:06				CCV 460-966084/43 03/26/2024 17:35							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	102.3		100	102	102.1		100	102				
Barium	101.1		100	101	100.9		100	101				
Cadmium	100.5		100	101	101.3		100	101				
Chromium	103.3		100	103	104.1		100	104				
Lead	101.7		100	102	100.2		100	100				
Selenium	104.7		100	105	102.5		100	102				
Silver	51.29		50.0	103	50.34		50.0	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	ICV 460-965530/7 03/22/2024 14:45				CCV 460-965530/19 03/22/2024 15:14				CCV 460-965530/91 03/22/2024 18:07			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.42		80.0	99	98.93		100	99	98.68		100	99
Barium	78.28		80.0	98	96.47		100	96	98.24		100	98
Cadmium	78.96		80.0	99	99.90		100	100	98.74		100	99
Chromium	80.10		80.0	100	100.0		100	100	100.2		100	100
Lead	79.51		80.0	99	98.50		100	98	99.13		100	99
Selenium	77.64		80.0	97	95.77		100	96	98.09		100	98
Silver	39.94		40.0	100	50.32		50.0	101	50.22		50.0	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	CCV 460-965530/103 03/22/2024 18:36				CCV 460-965530/115 03/22/2024 19:05							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	99.93		100	100	99.48		100	99				
Barium	99.76		100	100	97.07		100	97				
Cadmium	100.3		100	100	98.79		100	99				
Chromium	100.6		100	101	98.63		100	99				
Lead	99.34		100	99	98.57		100	99				
Selenium	99.87		100	100	99.02		100	99				
Silver	50.11		50.0	100	50.41		50.0	101				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: ME_DQCS-INT_04270 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04540

Analyte	ICV 460-965497/32-A 03/22/2024 14:11				CCV 460-965497/36-A 03/22/2024 14:20				CCV 460-965497/36-A 03/22/2024 14:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.00		5.00	100	5.11		5.00	102	5.03		5.00	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: ME_DQCS-INT_04270 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04540

Analyte	CCV 460-965497/36-A 03/22/2024 15:01				CCV 460-965497/36-A 03/22/2024 15:22				CCV 460-965497/36-A 03/22/2024 15:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.08		5.00	102	4.95		5.00	99	5.01		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: ME_DQCS-INT_04272 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04542

Analyte	ICV 460-965997/31-A 03/26/2024 14:13				CCV 460-965997/35-A 03/26/2024 14:22				CCV 460-965997/35-A 03/26/2024 14:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.02		5.00	100	4.83		5.00	97	4.99		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

ICV Source: ME_DQCS-INT_04272 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04542

Analyte	CCV 460-965997/35-A 03/26/2024 15:04											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.95		5.00	99								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Method: 7470A Instrument ID: LEEMAN6

Lab Sample ID: CRI 460-965497/33-A Concentration Units: ug/L

CRQL Check Standard Source: ME_DCAL-IN_04540

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.216		108	50-150

Lab Sample ID: CRI 460-965997/32-A Concentration Units: ug/L

CRQL Check Standard Source: ME_DCAL-IN_04542

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.199	J	100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-966084/8 03/26/2024 15:19		CCB 460-966084/16 03/26/2024 15:55		CCB 460-966084/24 03/26/2024 16:38		CCB 460-966084/34 03/26/2024 17:09	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Barium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Lead	1.2	1.2	U	1.2	U	1.2	U	1.2	U
Selenium	2.5	2.5	U	2.5	U	2.5	U	2.5	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-966084/44 03/26/2024 17:37							
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U						
Barium	4.0	4.0	U						
Cadmium	2.0	2.0	U						
Chromium	4.0	4.0	U						
Lead	1.2	1.2	U						
Selenium	2.5	2.5	U						
Silver	2.0	2.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-965530/8 03/22/2024 14:48		CCB 460-965530/20 03/22/2024 15:17		CCB 460-965530/92 03/22/2024 18:10		CCB 460-965530/104 03/22/2024 18:39	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Barium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Lead	1.2	1.2	U	1.2	U	1.2	U	1.2	U
Selenium	2.5	2.5	U	2.5	U	2.5	U	2.5	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-965530/116 03/22/2024 19:08							
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U						
Barium	4.0	4.0	U						
Cadmium	2.0	2.0	U						
Chromium	4.0	4.0	U						
Lead	1.2	1.2	U						
Selenium	2.5	2.5	U						
Silver	2.0	2.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-965534/15 03/22/2024 14:13		CCB 460-965534/20 03/22/2024 14:22		CCB 460-965534/32 03/22/2024 14:42		CCB 460-965534/44 03/22/2024 15:03	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-965534/45 03/22/2024 15:05		CCB 460-965534/56 03/22/2024 15:24		CCB 460-965534/68 03/22/2024 15:44			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.106	J	0.20	U	0.20	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-966040/15 03/26/2024 14:15		CCB 460-966040/20 03/26/2024 14:24		CCB 460-966040/32 03/26/2024 14:45		CCB 460-966040/44 03/26/2024 15:05	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965493/1-A

Instrument Code: ICPMS5 Batch No.: 965530

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6020B
7440-39-3	Barium	4.0	U		6020B
7440-43-9	Cadmium	2.0	U		6020B
7440-47-3	Chromium	4.0	U		6020B
7439-92-1	Lead	1.2	U		6020B
7782-49-2	Selenium	2.5	U		6020B
7440-22-4	Silver	2.0	U		6020B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965990/1-B

Instrument Code: ICPMS3 Batch No.: 966084

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6020B
7440-39-3	Barium	4.0	U		6020B
7440-43-9	Cadmium	2.0	U		6020B
7440-47-3	Chromium	4.0	U		6020B
7439-92-1	Lead	1.2	U		6020B
7782-49-2	Selenium	2.5	U		6020B
7440-22-4	Silver	2.0	U		6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965497/1-A

Instrument Code: LEEMAN6 Batch No.: 965534

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965498/1-B

Instrument Code: LEEMAN6 Batch No.: 965534

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965997/1-A

Instrument Code: LEEMAN6 Batch No.: 966040

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICSA 460-966084/9 Instrument ID: ICPMS3

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00217

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.101**	
Barium		**0.747**	
Cadmium		**0.260**	
Chromium		**0.592**	
Lead		**0.133**	
Selenium		**0.174**	
Silver		**0.0390**	
Aluminum	*100000*	*100080*	*100*
Antimony		*0.198*	
Beryllium		*0.0410*	
Boron		*0.439*	
Calcium	*100000*	*102024*	*102*
Cobalt		*0.364*	
Copper		*0.323*	
Iron	*100000*	*101794*	*102*
Magnesium	*100000*	*99831*	*100*
Manganese		*0.840*	
Molybdenum	*2000*	*2066*	*103*
Nickel		*0.442*	
Potassium	*100000*	*100211*	*100*
Sodium	*100000*	*99780*	*100*
Strontium		*0.816*	
Thallium		*0.0300*	
Tin		*-0.534*	
Titanium	*2000*	*2129*	*106*
Vanadium		*-0.311*	
Zinc		*2.15*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICSAB 460-966084/10 Instrument ID: ICPMS3

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00180

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**200**	**204**	**102**
Barium	**200**	**212**	**106**
Cadmium	**200**	**207**	**103**
Chromium	**200**	**206**	**103**
Lead	**200**	**210**	**105**
Selenium	**200**	**208**	**104**
Silver	**200**	**200**	**100**
Aluminum	*100000*	*101078*	*101*
Antimony	*100*	*105*	*105*
Beryllium	*200*	*188*	*94*
Boron		*0.356*	
Calcium	*100000*	*103450*	*103*
Cobalt	*200*	*207*	*104*
Copper	*200*	*205*	*102*
Iron	*100000*	*102474*	*102*
Magnesium	*100000*	*101367*	*101*
Manganese	*200*	*199*	*100*
Molybdenum	*2000*	*2073*	*104*
Nickel	*200*	*207*	*103*
Potassium	*100000*	*101912*	*102*
Sodium	*100000*	*100578*	*101*
Strontium	*200*	*208*	*104*
Thallium	*100*	*104*	*104*
Tin	*200*	*206*	*103*
Titanium	*2000*	*2100*	*105*
Vanadium	*200*	*209*	*104*
Zinc	*200*	*207*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICSA 460-965530/10 Instrument ID: ICPMS5

Lab File ID: 014ICSA.d ICS Source: me_ICSA_00216

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.276**	
Barium		**0.664**	
Cadmium		**0.259**	
Chromium		**-0.219**	
Lead		**0.142**	
Selenium		**0.145**	
Silver		**0.0270**	
Aluminum	*100000*	*98990*	*99*
Antimony		*0.211*	
Beryllium		*0.0060*	
Boron		*3.79*	
Calcium	*100000*	*100004*	*100*
Cobalt		*0.330*	
Copper		*0.0520*	
Iron	*100000*	*98431*	*98*
Magnesium	*100000*	*99339*	*99*
Manganese		*0.791*	
Molybdenum	*2000*	*1917*	*96*
Nickel		*0.108*	
Potassium	*100000*	*99161*	*99*
Sodium	*100000*	*100593*	*101*
Strontium		*0.762*	
Thallium		*-0.0790*	
Tin		*-0.0120*	
Titanium	*2000*	*2070*	*103*
Vanadium		*0.0060*	
Zinc		*1.42*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Lab Sample ID: ICSAB 460-965530/11 Instrument ID: ICPMS5

Lab File ID: 015ICSB.d ICS Source: me_ICSAB_00179

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**200**	**195**	**97**
Barium	**200**	**195**	**98**
Cadmium	**200**	**195**	**97**
Chromium	**200**	**196**	**98**
Lead	**200**	**197**	**98**
Selenium	**200**	**194**	**97**
Silver	**200**	**193**	**97**
Aluminum	*100000*	*99683*	*100*
Antimony	*100*	*104*	*104*
Beryllium	*200*	*184*	*92*
Boron		*4.01*	
Calcium	*100000*	*99678*	*100*
Cobalt	*200*	*194*	*97*
Copper	*200*	*191*	*95*
Iron	*100000*	*98721*	*99*
Magnesium	*100000*	*99559*	*100*
Manganese	*200*	*189*	*95*
Molybdenum	*2000*	*1925*	*96*
Nickel	*200*	*195*	*98*
Potassium	*100000*	*99330*	*99*
Sodium	*100000*	*100228*	*100*
Strontium	*200*	*194*	*97*
Thallium	*100*	*101*	*101*
Tin	*200*	*199*	*99*
Titanium	*2000*	*2045*	*102*
Vanadium	*200*	*196*	*98*
Zinc	*200*	*199*	*99*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-16R MS Lab ID: 460-300484-2 MS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.16		0.42		1.00	74	75-125	N	7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW-16R MS Lab ID: 460-300484-2 MS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	51.59		3.9		50.0	95	75-125		6020B
Barium	140.1		97.8		50.0	85	75-125		6020B
Cadmium	24.02		2.0	U	25.0	96	75-125		6020B
Chromium	46.96		4.0	U	50.0	94	75-125		6020B
Lead	26.12		2.8		25.0	93	75-125		6020B
Selenium	47.89		0.81	J	50.0	94	75-125		6020B
Silver	23.65		2.0	U	25.0	95	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-16R MS Lab ID: 460-300484-2 MS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	51.26		2.0	U	50.0	103	75-125		6020B
Barium	119.3		71.1		50.0	96	75-125		6020B
Cadmium	24.78		2.0	U	25.0	99	75-125		6020B
Chromium	48.89		4.0	U	50.0	98	75-125		6020B
Lead	24.74		1.2	U	25.0	99	75-125		6020B
Selenium	53.08		0.67	J	50.0	105	75-125		6020B
Silver	19.14		2.0	U	25.0	77	75-125		6020B
Mercury	1.11		0.20	U	1.00	111	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-300430-J-3-D MS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.22		0.20	U	1.00	122	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS

Client ID: MW-16R MSD Lab ID: 460-300484-2 MSD

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.16		1.00	74	75-125	1	20	N	7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW-16R MSD Lab ID: 460-300484-2 MSD

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	51.41		50.0	95	75-125	0	20		6020B
Barium	142.7		50.0	90	75-125	2	20		6020B
Cadmium	23.52		25.0	94	75-125	2	20		6020B
Chromium	46.47		50.0	93	75-125	1	20		6020B
Lead	26.02		25.0	93	75-125	0	20		6020B
Selenium	47.02		50.0	92	75-125	2	20		6020B
Silver	23.44		25.0	94	75-125	1	20		6020B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: MW-16R MSD Lab ID: 460-300484-2 MSD

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	52.20		50.0	104	75-125	2	20		6020B
Barium	121.2		50.0	100	75-125	2	20		6020B
Cadmium	25.22		25.0	101	75-125	2	20		6020B
Chromium	48.99		50.0	98	75-125	0	20		6020B
Lead	24.94		25.0	100	75-125	1	20		6020B
Selenium	54.40		50.0	107	75-125	2	20		6020B
Silver	19.40		25.0	78	75-125	1	20		6020B
Mercury	1.15		1.00	115	75-125	3	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: MW-16R PDS | Lab ID: 460-300484-2 PDS

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

Matrix: Water | Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	51.61		3.9		50.0	95	75-125		6020B
Barium	143.1		97.8		50.0	91	75-125		6020B
Cadmium	23.82		2.0	U	25.0	95	75-125		6020B
Chromium	46.90		4.0	U	50.0	94	75-125		6020B
Lead	26.42		2.8		25.0	95	75-125		6020B
Selenium	47.98		0.81	J	50.0	94	75-125		6020B
Silver	23.82		2.0	U	25.0	95	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: MW-16R DU | Lab ID: 460-300484-2 DU

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.42		0.356		17		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: MW-16R DU | Lab ID: 460-300484-2 DU

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	2.0	3.9		3.79		3		6020B
Barium	4.0	97.8		96.03		2		6020B
Cadmium	2.0	2.0	U	2.0	U	NC		6020B
Chromium	4.0	4.0	U	4.0	U	NC		6020B
Lead	1.2	2.8		2.44		12		6020B
Selenium	2.5	0.81	J	0.671	J	19		6020B
Silver	2.0	2.0	U	2.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: MW-16R DU | Lab ID: 460-300484-2 DU

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	2.0	2.0	U	2.0	U	NC		6020B
Barium	4.0	71.1		72.47		2		6020B
Cadmium	2.0	2.0	U	2.0	U	NC		6020B
Chromium	4.0	4.0	U	4.0	U	NC		6020B
Lead	1.2	1.2	U	1.2	U	NC		6020B
Selenium	2.5	0.67	J	0.794	J	17		6020B
Silver	2.0	2.0	U	2.0	U	NC		6020B
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-300430-J-3-C DU

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965530/12

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: LCS Source: me_LR-A_00037

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	4972		99	90	110		6020B
Barium	20000	18970		95	90	110		6020B
Cadmium	5000	4843		97	90	110		6020B
Chromium	20000	19940		100	90	110		6020B
Lead	20000	19120		96	90	110		6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965530/13

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.22						6020B
Barium		13.16						6020B
Cadmium		2.0	U					6020B
Chromium		5.66						6020B
Lead		2.27						6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965530/14

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		1.65	J					6020B
Cadmium		2.0	U					6020B
Chromium		4.0	U					6020B
Lead		0.887	J					6020B
Selenium	3000	2823		94	90	110		6020B
Silver	1000	968.7		97	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-965493/2-A

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	50.0	47.95		96	80	120		6020B
Barium	50.0	47.94		96	80	120		6020B
Cadmium	25.0	24.35		97	80	120		6020B
Chromium	50.0	47.22		94	80	120		6020B
Lead	25.0	23.73		95	80	120		6020B
Selenium	50.0	46.41		93	80	120		6020B
Silver	25.0	24.46		98	80	120		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-966084/13

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		1.67	J					6020B
Cadmium		2.0	U					6020B
Chromium		4.0	U					6020B
Lead		0.850	J					6020B
Selenium	3000	3039		101	90	110		6020B
Silver	1000	971.8		97	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-966084/14

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		13.27						6020B
Cadmium		2.0	U					6020B
Chromium		3.31	J					6020B
Lead		1.20						6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-965991/2-A

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00050

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	50.0	48.69		97	80	120		6020B
Barium	50.0	47.71		95	80	120		6020B
Cadmium	25.0	24.22		97	80	120		6020B
Chromium	50.0	49.12		98	80	120		6020B
Lead	25.0	23.69		95	80	120		6020B
Selenium	50.0	49.21		98	80	120		6020B
Silver	25.0	24.10		96	80	120		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-965497/2-A

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_04540

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	1.03		103	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-965520/3-A

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_04540

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.941		94	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-965997/2-A

Lab Name: Eurofins Edison Job No.: 460-300484-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_04542

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.908		91	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 460-300484-2

SDG No:

Lab Name: Eurofins Edison Job No: 460-300484-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	3.9		10.0	U	NC		6020B
Barium	97.8		92.59		NC		6020B
Cadmium	2.0	U	10.0	U	NC		6020B
Chromium	4.0	U	20.0	U	NC		6020B
Lead	2.8		2.65	J	NC		6020B
Selenium	0.81	J	12.5	U	NC		6020B
Silver	2.0	U	10.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-300484-2

SDG No:

Lab Name: Eurofins Edison Job No: 460-300484-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	2.0	U	10.0	U	NC		6020B
Barium	71.1		70.22		NC		6020B
Cadmium	2.0	U	10.0	U	NC		6020B
Chromium	4.0	U	20.0	U	NC		6020B
Lead	1.2	U	6.0	U	NC		6020B
Selenium	0.67	J	12.5	U	NC		6020B
Silver	2.0	U	10.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-300484-2

SDG No:

Lab Name: Eurofins Edison Job No: 460-300484-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.42		1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-300484-2

SDG No:

Lab Name: Eurofins Edison Job No: 460-300484-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-300430-J-3-B SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-300484-1

Matrix: Water Concentration Units: ug/L

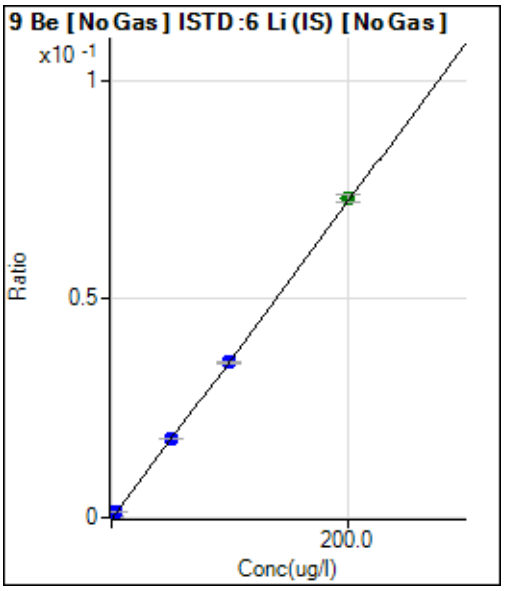
Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

Batch Folder: D:\Agilent\ICPMH\1\DATA\NM 032224 A.b\
Analysis File: NM 032224 A.batch.bin
DA Date-Time: 2024-03-22 14:44:25
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

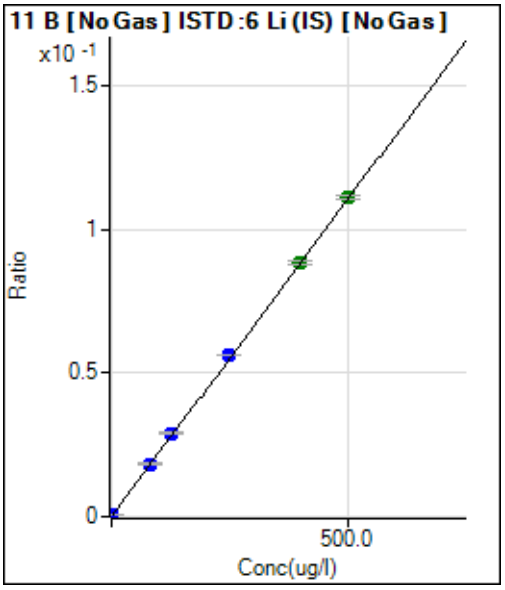
Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	IC CAL-Blk	2024-03-22 14:30:03
2	006CALS.d	IC CAL1	2024-03-22 14:32:52
3	007CALS.d	IC CAL2	2024-03-22 14:35:29
4	008CALS.d	IC CAL3	2024-03-22 14:38:04
5	009CALS.d	IC CAL4	2024-03-22 14:40:39
6	010CALS.d	IC CAL5	2024-03-22 14:43:13



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0000	P	32.3	
2	☐	0.800	0.764	3212.61	0.0003	P	2.0	-4.5
3	☐	4.000	3.906	16421.91	0.0014	P	1.4	-2.4
4	☐	50.000	49.659	210478.18	0.0180	P	1.5	-0.7
5	☐	100.000	97.665	416296.92	0.0355	P	1.5	-2.3
6	☐	200.000	201.255	838242.34	0.0731	A	2.0	0.6

y = 3.6304E-004 * x + 1.3338E-006
R = 0.9999
DL = 0.003559 ug/l
BEC = 0.003674 ug/l

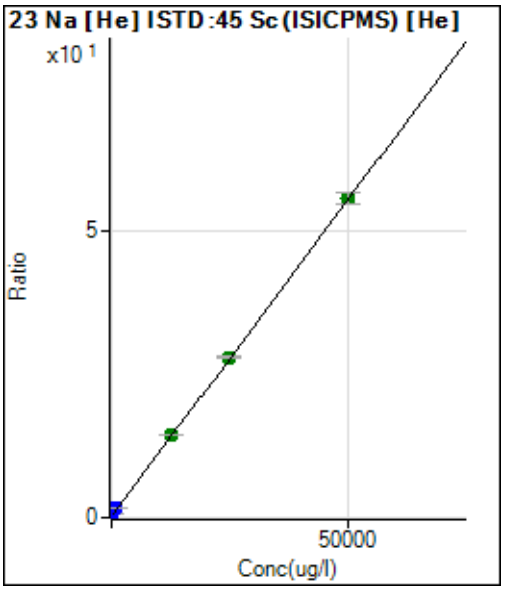
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7911.17	0.0007	P	1.8	
2	☐	80.000	79.996	211405.29	0.0183	P	1.1	0.0
3	☐	400.000	397.630	1024084.60	0.0885	A	1.4	-0.6
4	☐	125.000	128.834	340127.79	0.0291	P	0.7	3.1
5	☐	250.000	250.702	658100.24	0.0561	P	0.1	0.3
6	☐	500.000	500.587	1276287.83	0.1112	A	1.5	0.1

y = 2.2087E-004 * x + 6.7902E-004
R = 1.0000
DL = 0.1629 ug/l
BEC = 3.074 ug/l

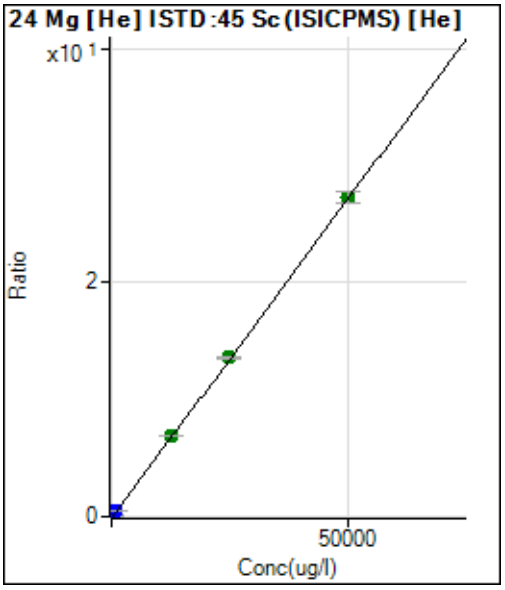
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	65662.67	0.5115	P	0.9	
2	☐	200.000	206.635	94885.57	0.7393	P	0.4	3.3
3	☐	1000.000	1025.618	211271.01	1.6424	P	0.4	2.6
4	☐	12500.00	12597.33	1884195.56	14.402	A	1.0	0.8
5	☐	25000.00	24920.53	3689596.23	27.990	A	0.8	-0.3
6	☐	50000.00	50014.86	7340888.71	55.661	A	3.3	0.0

y = 0.0011 * x + 0.5115
R = 1.0000
DL = 13 ug/l
BEC = 463.9 ug/l

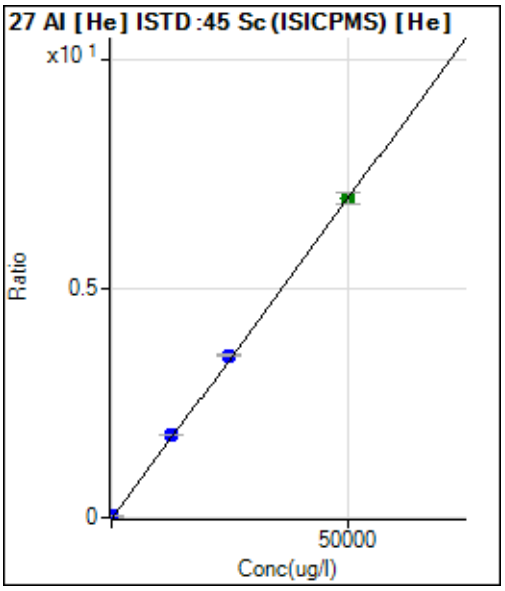
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	250.00	0.0019	P	6.6	
2	☐	200.000	210.984	15011.48	0.1170	P	0.6	5.5
3	☐	1000.000	1041.815	73309.70	0.5699	P	0.9	4.2
4	☐	12500.00	12626.39	900764.59	6.8853	A	1.3	1.0
5	☐	25000.00	24878.56	1787987.87	13.564	A	0.9	-0.5
6	☐	50000.00	50028.23	3597099.88	27.275	A	3.4	0.1

y = 5.4515E-004 * x + 0.0019
R = 1.0000
DL = 0.7077 ug/l
BEC = 3.571 ug/l

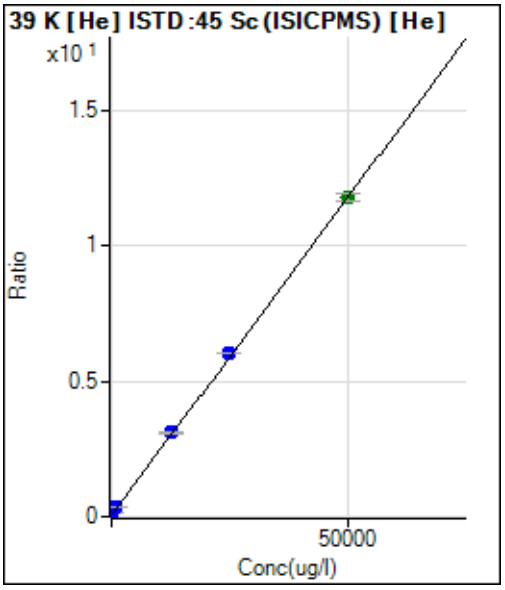
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	164.45	0.0013	P	5.4	
2	☐	40.000	42.716	931.15	0.0073	P	10.8	6.8
3	☐	200.000	213.768	4009.50	0.0312	P	0.8	6.9
4	☐	12500.00	12779.55	233935.76	1.7881	P	0.2	2.2
5	☐	25000.00	25284.12	466165.92	3.5364	P	0.6	1.1
6	☐	50000.00	49787.99	918221.67	6.9625	A	3.5	-0.4

y = 1.3982E-004 * x + 0.0013
R = 1.0000
DL = 1.494 ug/l
BEC = 9.164 ug/l

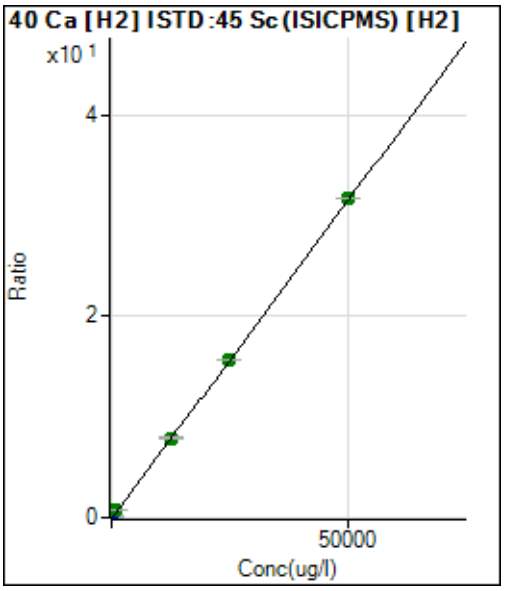
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14561.08	0.1134	P	1.2	
2	☐	200.000	205.635	20749.91	0.1617	P	0.5	2.8
3	☐	1000.000	1044.072	46110.37	0.3585	P	0.8	4.4
4	☐	12500.00	12746.02	406219.22	3.1050	P	1.1	2.0
5	☐	25000.00	25323.07	798418.39	6.0569	P	0.2	1.3
6	☐	50000.00	49776.05	1555900.86	11.796	A	2.6	-0.4

y = 2.3471E-004 * x + 0.1134
R = 1.0000
DL = 17.09 ug/l
BEC = 483.2 ug/l

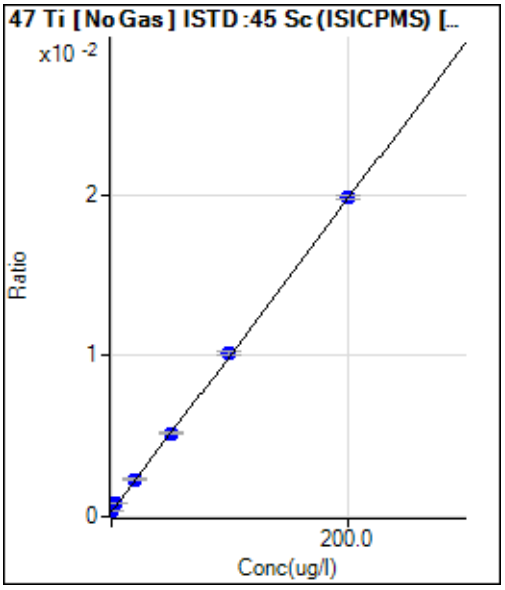
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	135159.50	0.0388	P	0.4	
2	☐	200.000	207.518	592456.08	0.1699	P	1.3	3.8
3	☐	1000.000	1013.785	2380655.14	0.6792	A	0.2	1.4
4	☐	12500.00	12404.37	27728798.20	7.8749	A	1.5	-0.8
5	☐	25000.00	24754.67	56067729.17	15.676	A	1.1	-1.0
6	☐	50000.00	50146.26	112573230.5	31.717	A	0.5	0.3

y = 6.3172E-004 * x + 0.0388
R = 1.0000
DL = 0.7822 ug/l
BEC = 61.36 ug/l

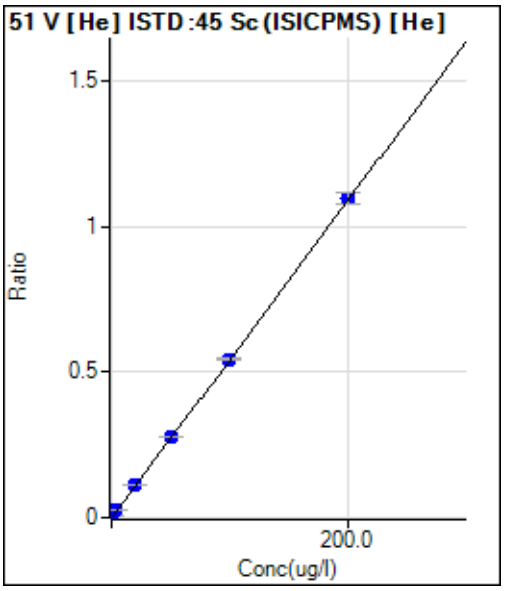
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4068.41	0.0004	P	3.5	
2	☐	4.000	4.111	8139.15	0.0008	P	0.8	2.8
3	☐	20.000	19.791	23501.36	0.0023	P	3.2	-1.0
4	☐	50.000	49.272	53792.23	0.0052	P	0.6	-1.5
5	☐	100.000	100.323	104137.78	0.0102	P	1.6	0.3
6	☐	200.000	200.039	203360.32	0.0198	P	0.8	0.0

y = 9.7191E-005 * x + 4.0268E-004
R = 1.0000
DL = 0.4346 ug/l
BEC = 4.143 ug/l

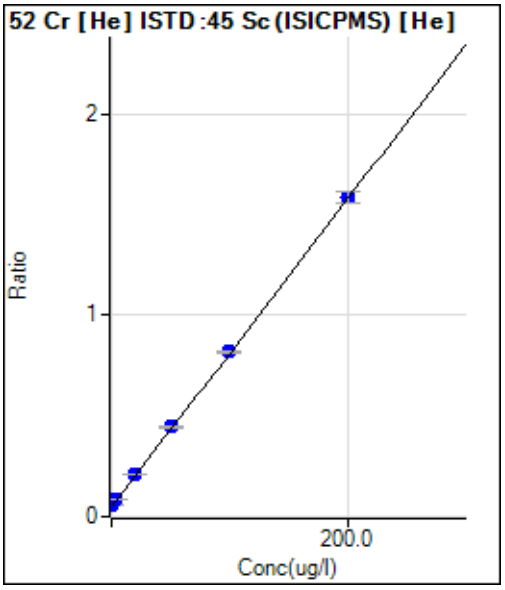
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	517.79	0.0040	P	7.5	
2	☐	4.000	4.039	3341.54	0.0260	P	1.5	1.0
3	☐	20.000	20.146	14634.60	0.1138	P	0.7	0.7
4	☐	50.000	49.919	36100.81	0.2759	P	1.1	-0.2
5	☐	100.000	99.114	71696.31	0.5439	P	0.6	-0.9
6	☐	200.000	200.448	144528.87	1.0959	P	3.2	0.2

y = 0.0054 * x + 0.0040
R = 1.0000
DL = 0.1672 ug/l
BEC = 0.7407 ug/l

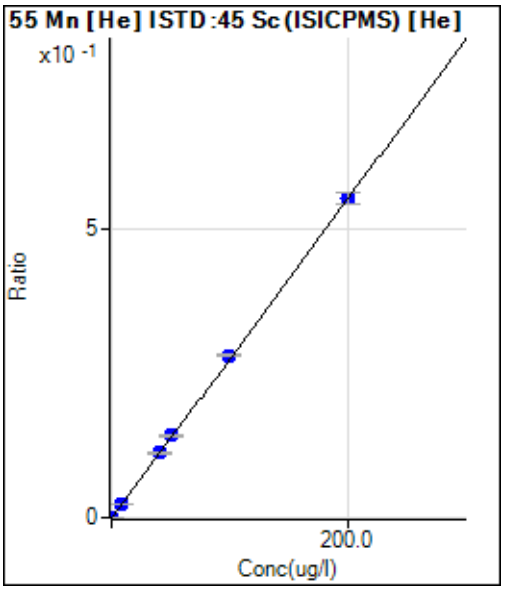
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7229.72	0.0563	P	1.2	
2	☐	4.000	3.948	11103.44	0.0865	P	1.0	-1.3
3	☐	20.000	20.021	26949.88	0.2095	P	0.2	0.1
4	☐	50.000	50.774	58192.08	0.4448	P	0.5	1.5
5	☐	100.000	99.772	108052.85	0.8197	P	0.8	-0.2
6	☐	200.000	199.919	209168.09	1.5860	P	3.1	0.0

y = 0.0077 * x + 0.0563
R = 1.0000
DL = 0.2655 ug/l
BEC = 7.36 ug/l

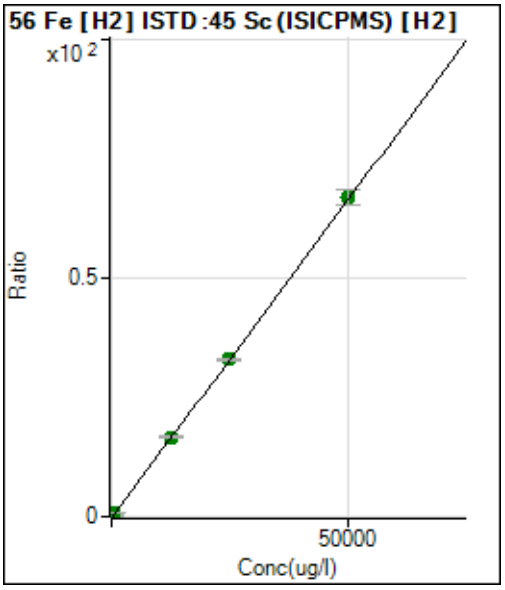
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	195.56	0.0015	P	14.5	
2	☐	8.000	7.985	3033.69	0.0236	P	2.2	-0.2
3	☐	40.000	39.840	14386.52	0.1118	P	1.6	-0.4
4	☐	50.000	51.186	18741.76	0.1433	P	2.3	2.4
5	☐	100.000	100.647	36942.07	0.2802	P	1.2	0.6
6	☐	200.000	199.413	73025.27	0.5537	P	3.1	-0.3

y = 0.0028 * x + 0.0015
R = 1.0000
DL = 0.2397 ug/l
BEC = 0.5506 ug/l

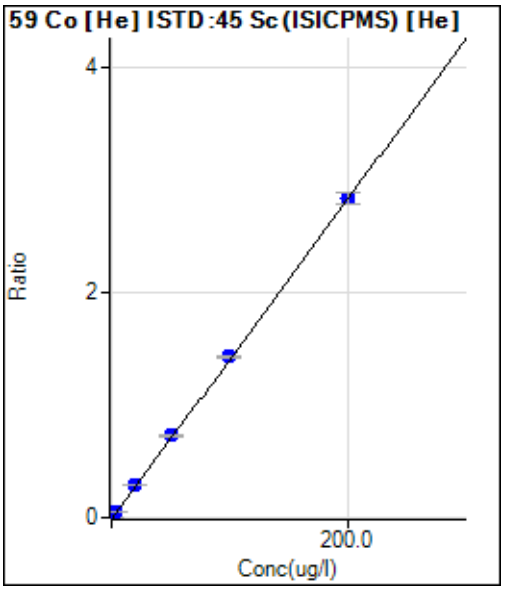
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	137906.35	0.0395	P	1.4	
2	☐	120.000	122.817	709630.16	0.2034	P	1.1	2.3
3	☐	600.000	607.368	2979654.29	0.8501	A	0.7	1.2
4	☐	12500.00	12389.56	58354557.46	16.573	A	2.6	-0.9
5	☐	25000.00	24659.97	117835208.2	32.948	A	1.3	-1.4
6	☐	50000.00	50197.52	237682985.3	67.027	A	5.2	0.4

y = 0.0013 * x + 0.0395
R = 1.0000
DL = 1.225 ug/l
BEC = 29.64 ug/l

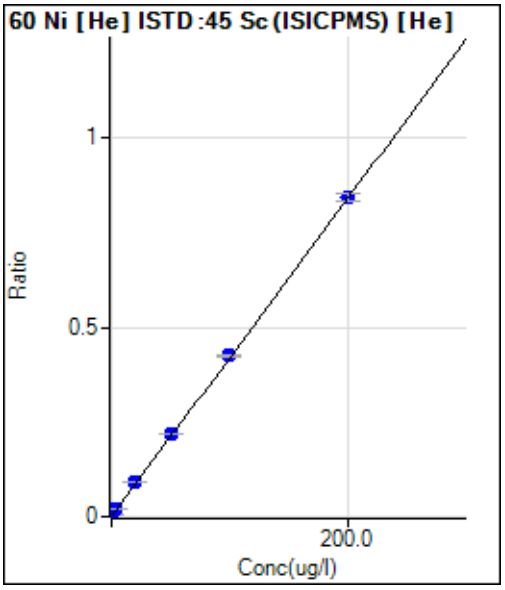
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0006	P	50.6	
2	☐	4.000	4.053	7462.09	0.0581	P	1.2	1.3
3	☐	20.000	20.251	37079.38	0.2883	P	2.2	1.3
4	☐	50.000	51.089	95027.44	0.7264	P	0.6	2.2
5	☐	100.000	100.461	188208.54	1.4278	P	0.9	0.5
6	☐	200.000	199.471	373805.90	2.8343	P	3.2	-0.3

y = 0.0142 * x + 5.7073E-004
R = 1.0000
DL = 0.06096 ug/l
BEC = 0.04017 ug/l

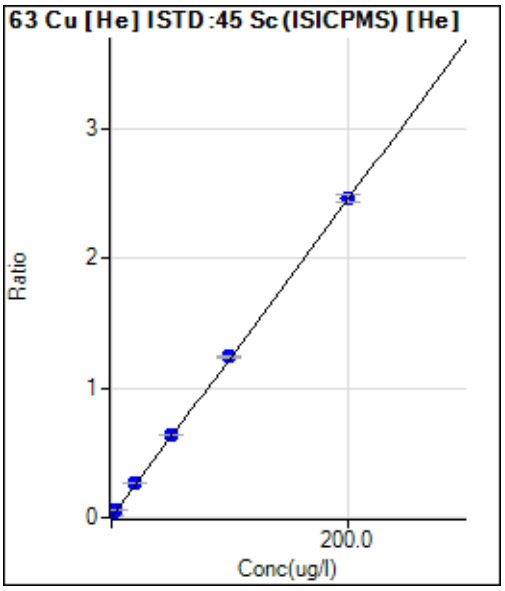
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	668.91	0.0052	P	2.0	
2	☐	4.000	3.938	2790.30	0.0217	P	1.7	-1.5
3	☐	20.000	20.377	11671.74	0.0907	P	0.5	1.9
4	☐	50.000	50.951	28659.21	0.2191	P	0.8	1.9
5	☐	100.000	100.176	56107.38	0.4257	P	0.9	0.2
6	☐	200.000	199.638	111205.55	0.8431	P	2.2	-0.2

y = 0.0042 * x + 0.0052
R = 1.0000
DL = 0.07491 ug/l
BEC = 1.241 ug/l

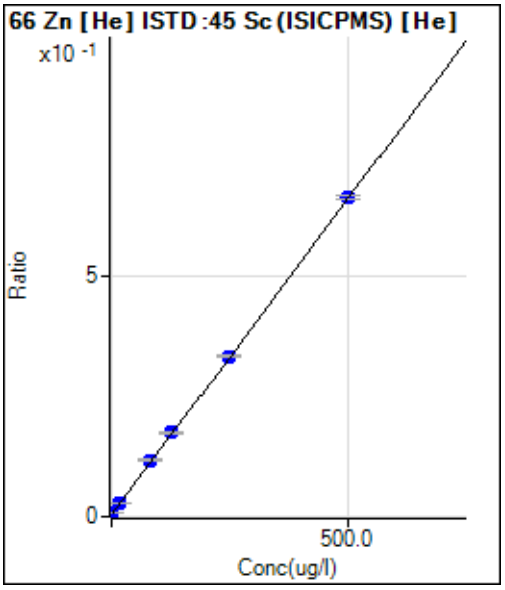
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2141.30	0.0167	P	4.1	
2	☐	4.000	4.013	8444.88	0.0658	P	2.7	0.3
3	☐	20.000	20.321	34141.84	0.2654	P	1.0	1.6
4	☐	50.000	50.800	83528.66	0.6385	P	1.0	1.6
5	☐	100.000	99.990	163516.46	1.2405	P	0.9	0.0
6	☐	200.000	199.773	324683.86	2.4618	P	3.0	-0.1

y = 0.0122 * x + 0.0167
R = 1.0000
DL = 0.1688 ug/l
BEC = 1.363 ug/l

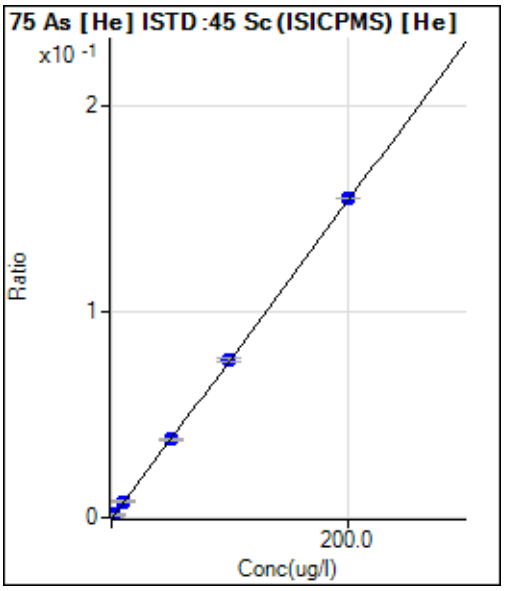
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	995.60	0.0078	P	8.5	
2	☐	16.000	16.882	3833.90	0.0299	P	0.3	5.5
3	☐	80.000	83.688	15099.54	0.1174	P	1.1	4.6
4	☐	125.000	126.856	22754.50	0.1739	P	1.6	1.5
5	☐	250.000	247.746	43800.13	0.3323	P	0.9	-0.9
6	☐	500.000	500.045	87425.03	0.6628	P	1.6	0.0

y = 0.0013 * x + 0.0078
R = 1.0000
DL = 1.509 ug/l
BEC = 5.923 ug/l

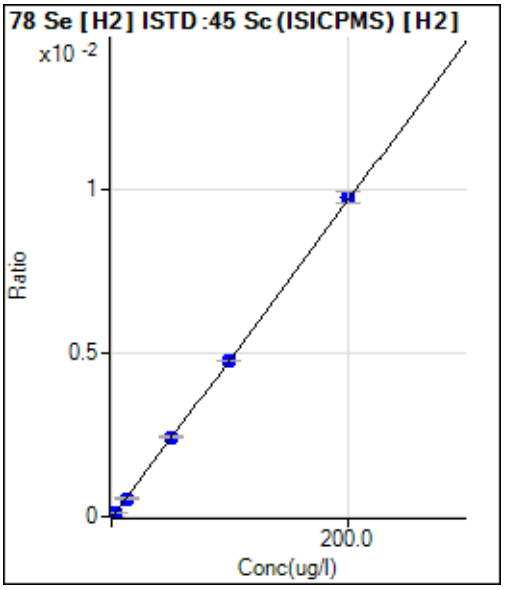
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0001	P	12.5	
2	☐	2.000	1.721	185.56	0.0014	P	12.8	-13.9
3	☐	10.000	9.940	1004.49	0.0078	P	6.6	-0.6
4	☐	50.000	49.274	5005.40	0.0383	P	2.6	-1.5
5	☐	100.000	99.046	10121.59	0.0768	P	2.6	-1.0
6	☐	200.000	200.664	20511.07	0.1555	P	0.5	0.3

y = 7.7423E-004 * x + 1.1243E-004
R = 1.0000
DL = 0.05465 ug/l
BEC = 0.1452 ug/l

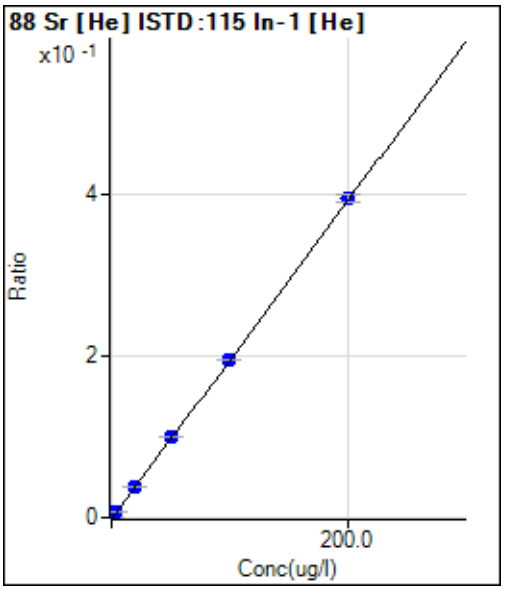
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.11	0.0000	P	18.1	
2	☐	2.500	2.292	400.01	0.0001	P	9.8	-8.3
3	☐	12.500	11.326	1940.16	0.0006	P	2.9	-9.4
4	☐	50.000	50.199	8598.36	0.0024	P	3.1	0.4
5	☐	100.000	97.802	17006.29	0.0048	P	0.5	-2.2
6	☐	200.000	201.125	34670.06	0.0098	P	3.9	0.6

y = 4.8584E-005 * x + 3.1890E-006
R = 0.9999
DL = 0.03561 ug/l
BEC = 0.06564 ug/l

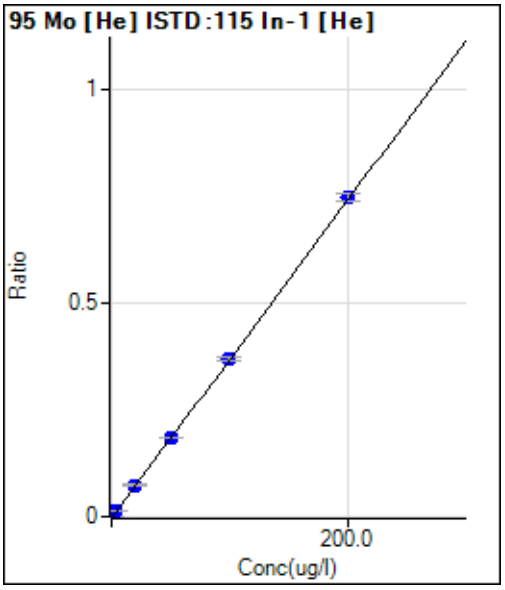
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.56	0.0002	P	48.0	
2	☐	4.000	3.889	1265.63	0.0079	P	1.7	-2.8
3	☐	20.000	18.954	6038.06	0.0376	P	2.4	-5.2
4	☐	50.000	50.301	16243.24	0.0994	P	0.9	0.6
5	☐	100.000	99.000	32028.24	0.1954	P	0.9	-1.0
6	☐	200.000	200.532	64442.33	0.3956	P	2.9	0.3

y = 0.0020 * x + 2.2197E-004
R = 1.0000
DL = 0.1623 ug/l
BEC = 0.1126 ug/l

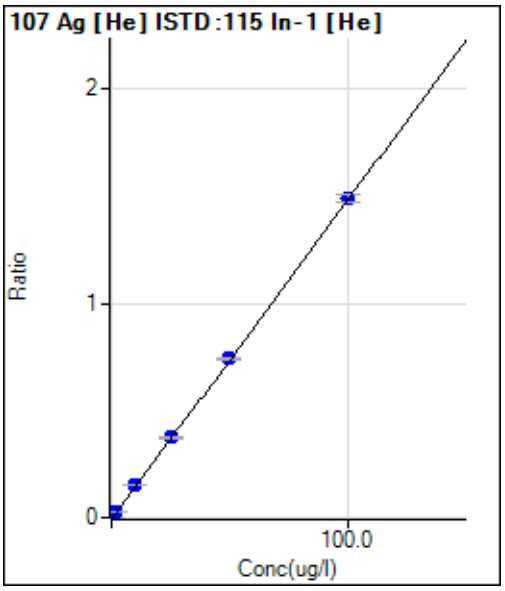
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0005	P	18.2	
2	☐	4.000	3.948	2431.35	0.0152	P	7.5	-1.3
3	☐	20.000	19.787	11905.40	0.0741	P	2.4	-1.1
4	☐	50.000	49.313	30080.74	0.1841	P	1.3	-1.4
5	☐	100.000	99.017	60498.29	0.3691	P	1.6	-1.0
6	☐	200.000	200.685	121799.20	0.7477	P	2.9	0.3

y = 0.0037 * x + 4.5796E-004
R = 1.0000
DL = 0.06731 ug/l
BEC = 0.123 ug/l

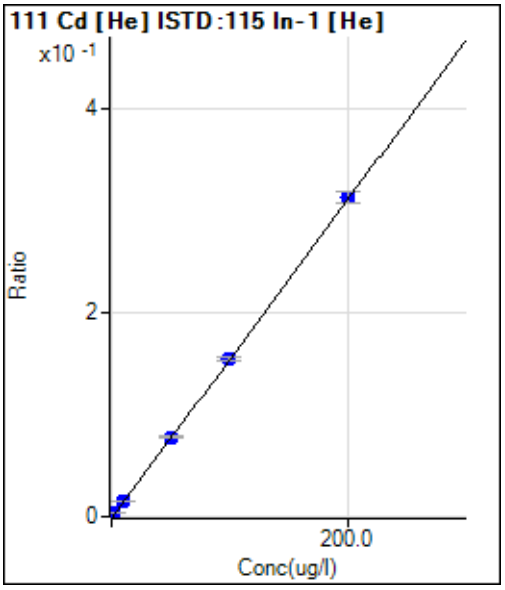
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	42.22	0.0003	P	22.7	
2	☐	2.000	2.034	4896.50	0.0305	P	5.5	1.7
3	☐	10.000	10.217	24453.85	0.1523	P	1.9	2.2
4	☐	25.000	25.043	60933.68	0.3729	P	1.6	0.2
5	☐	50.000	49.806	121506.36	0.7413	P	0.6	-0.4
6	☐	100.000	100.064	242596.35	1.4890	P	2.5	0.1

y = 0.0149 * x + 2.6363E-004
R = 1.0000
DL = 0.01207 ug/l
BEC = 0.01772 ug/l

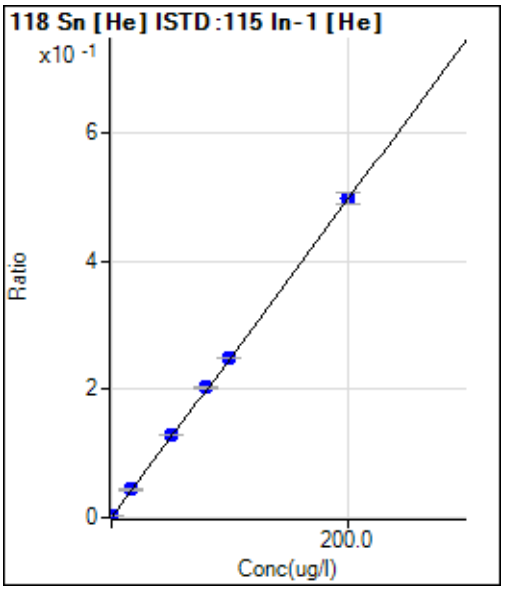
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.957	490.01	0.0031	P	3.5	-2.2
3	☐	10.000	9.688	2428.02	0.0151	P	2.1	-3.1
4	☐	50.000	50.063	12768.50	0.0781	P	2.0	0.1
5	☐	100.000	99.035	25331.11	0.1546	P	1.8	-1.0
6	☐	200.000	200.483	50963.80	0.3129	P	4.0	0.2

y = 0.0016 * x + 0.0000E+000
R = 1.0000
DL = 0 ug/l
BEC = 0 ug/l

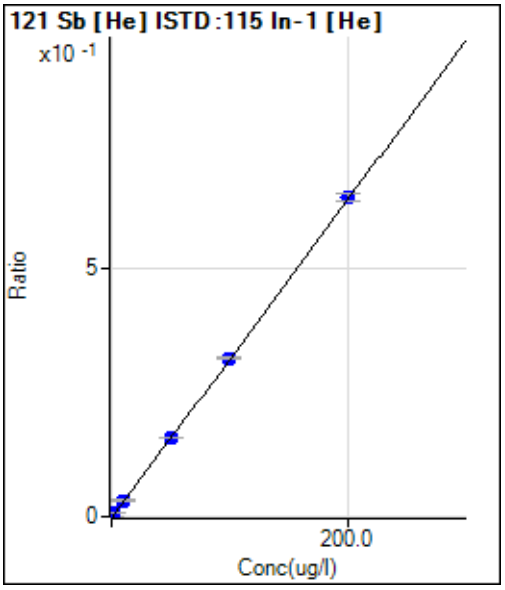
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	481.12	0.0030	P	6.7	
2	☐	16.000	16.364	6989.71	0.0436	P	1.0	2.3
3	☐	80.000	80.642	32580.52	0.2029	P	1.0	0.8
4	☐	50.000	50.689	21022.50	0.1286	P	1.7	1.4
5	☐	100.000	99.641	40975.12	0.2500	P	0.4	-0.4
6	☐	200.000	199.722	81127.27	0.4980	P	3.4	-0.1

y = 0.0025 * x + 0.0030
R = 1.0000
DL = 0.2427 ug/l
BEC = 1.212 ug/l

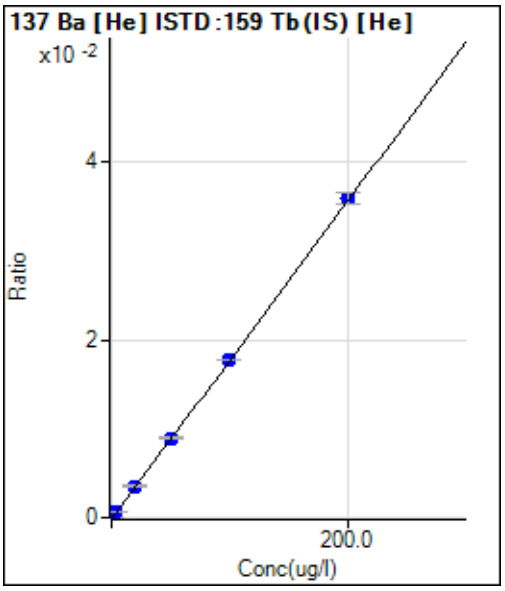
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0004	P	15.9	
2	☐	2.000	2.145	1168.95	0.0073	P	1.9	7.2
3	☐	10.000	10.083	5264.42	0.0328	P	3.7	0.8
4	☐	50.000	49.245	25917.84	0.1586	P	1.1	-1.5
5	☐	100.000	99.380	52393.08	0.3197	P	0.9	-0.6
6	☐	200.000	200.493	104994.62	0.6445	P	2.5	0.2

y = 0.0032 * x + 3.9550E-004
R = 1.0000
DL = 0.05864 ug/l
BEC = 0.1231 ug/l

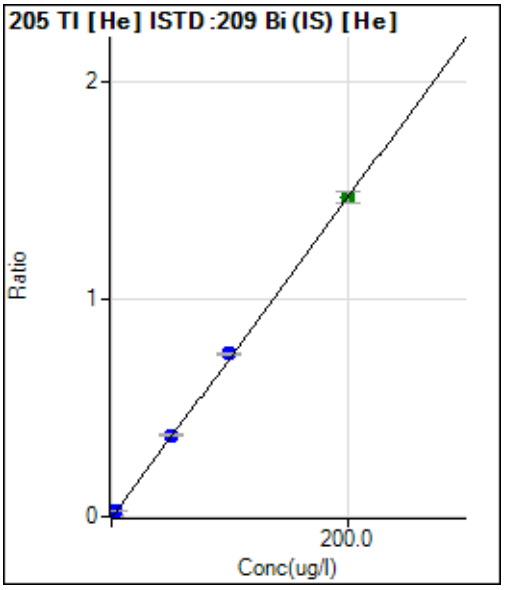
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	20.00	0.0000	P	45.0	
2	☐	4.000	3.754	647.80	0.0007	P	5.0	-6.2
3	☐	20.000	19.741	3344.91	0.0036	P	4.5	-1.3
4	☐	50.000	49.891	8459.46	0.0089	P	1.0	-0.2
5	☐	100.000	98.896	16843.21	0.0177	P	0.6	-1.1
6	☐	200.000	200.610	34158.49	0.0359	P	3.6	0.3

y = 1.7882E-004 * x + 2.1467E-005
R = 1.0000
DL = 0.1622 ug/l
BEC = 0.12 ug/l

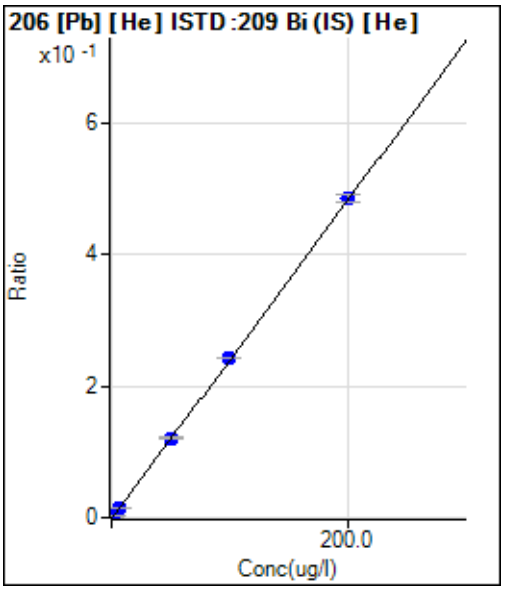
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1181.18	0.0015	P	4.6	
2	☐	0.800	0.744	5611.32	0.0070	P	1.4	-6.9
3	☐	4.000	3.856	23934.51	0.0299	P	0.7	-3.6
4	☐	50.000	50.544	298393.97	0.3739	P	1.3	1.1
5	☐	100.000	101.528	589357.93	0.7495	P	0.7	1.5
6	☐	200.000	199.103	1153817.44	1.4684	A	3.7	-0.4

y = 0.0074 * x + 0.0015
R = 0.9999
DL = 0.02772 ug/l
BEC = 0.201 ug/l

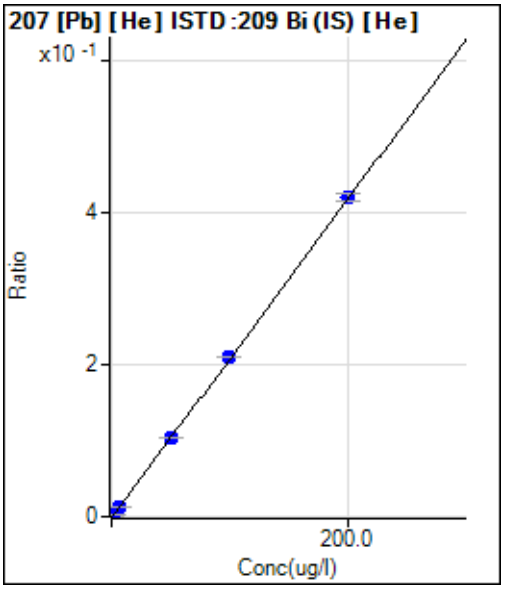
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	438.90	0.0006	P	4.1	
2	☐	1.200	1.124	2634.75	0.0033	P	5.8	-6.3
3	☐	6.000	5.835	11743.43	0.0147	P	1.5	-2.7
4	☐	50.000	49.463	95947.08	0.1202	P	1.9	-1.1
5	☐	100.000	99.781	190260.32	0.2420	P	0.6	-0.2
6	☐	200.000	200.249	381192.16	0.4851	P	2.5	0.1

y = 0.0024 * x + 5.5045E-004
R = 1.0000
DL = 0.02794 ug/l
BEC = 0.2275 ug/l

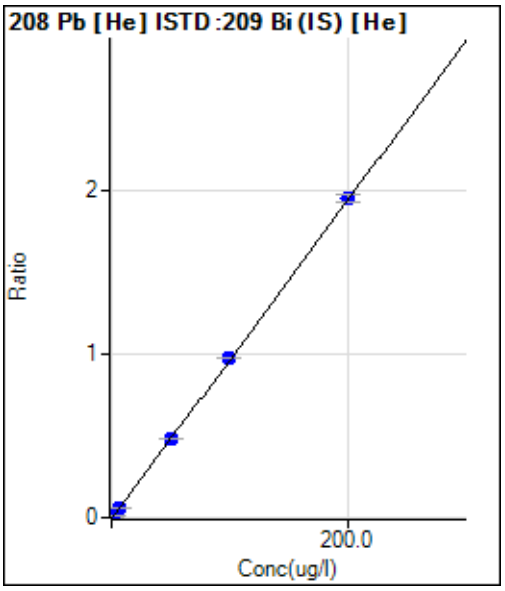
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	364.46	0.0005	P	5.0	
2	☐	1.200	1.207	2411.36	0.0030	P	5.9	0.6
3	☐	6.000	5.845	10198.75	0.0127	P	4.2	-2.6
4	☐	50.000	49.442	83283.85	0.1043	P	1.0	-1.1
5	☐	100.000	99.915	165426.66	0.2104	P	0.6	-0.1
6	☐	200.000	200.186	330910.65	0.4211	P	2.2	0.1

y = 0.0021 * x + 4.5711E-004
R = 1.0000
DL = 0.03242 ug/l
BEC = 0.2176 ug/l

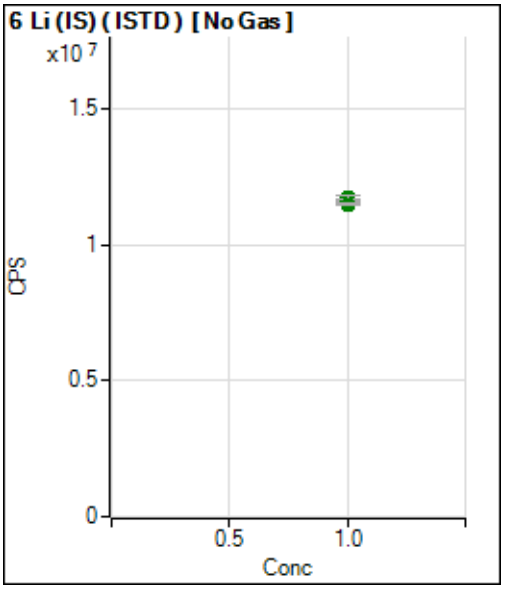
Weight: <None>
Min Conc: <None>



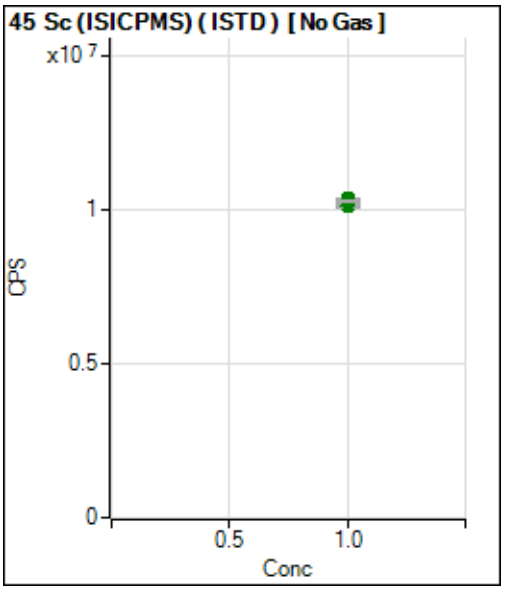
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1742.29	0.0022	P	1.5	
2	☐	1.200	1.159	10828.63	0.0134	P	1.9	-3.5
3	☐	6.000	5.889	47565.63	0.0594	P	0.8	-1.9
4	☐	50.000	49.309	384188.21	0.4814	P	0.8	-1.4
5	☐	100.000	99.941	765390.55	0.9734	P	0.5	-0.1
6	☐	200.000	200.206	1530744.47	1.9478	P	2.2	0.1

y = 0.0097 * x + 0.0022
R = 1.0000
DL = 0.01025 ug/l
BEC = 0.2248 ug/l

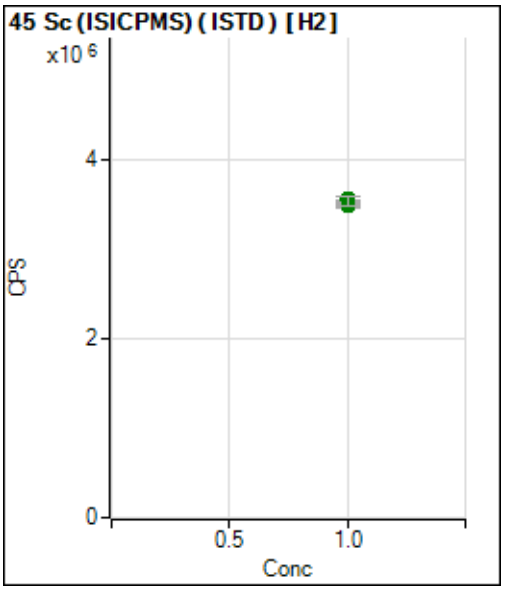
Weight: <None>
Min Conc: <None>



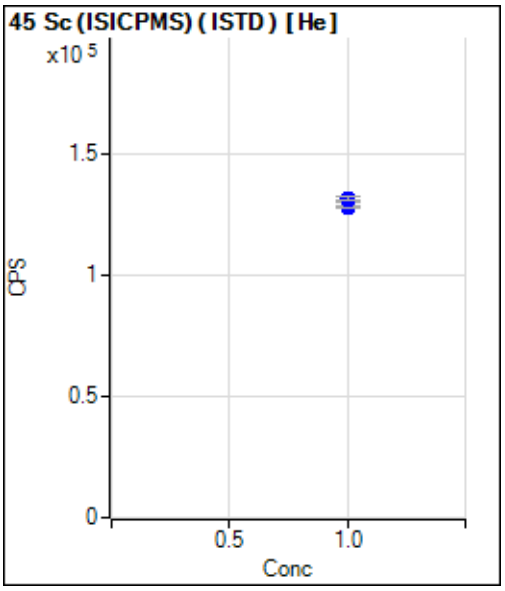
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		11650501.36		A	0.5	
2	☐	1.000		11522562.88		A	0.6	
3	☐	1.000		11572160.38		A	1.3	
4	☐	1.000		11674501.91		A	0.4	
5	☐	1.000		11740952.33		A	0.6	
6	☐	1.000		11473420.66		A	0.5	



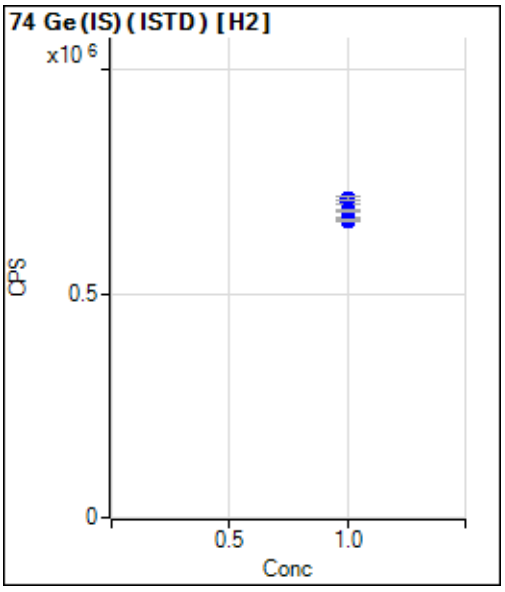
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		10103881.59		A	1.2	
2	☐	1.000		10144980.40		A	0.7	
3	☐	1.000		10105298.32		A	1.6	
4	☐	1.000		10361556.86		A	0.3	
5	☐	1.000		10257851.24		A	1.2	
6	☐	1.000		10247751.86		A	0.6	



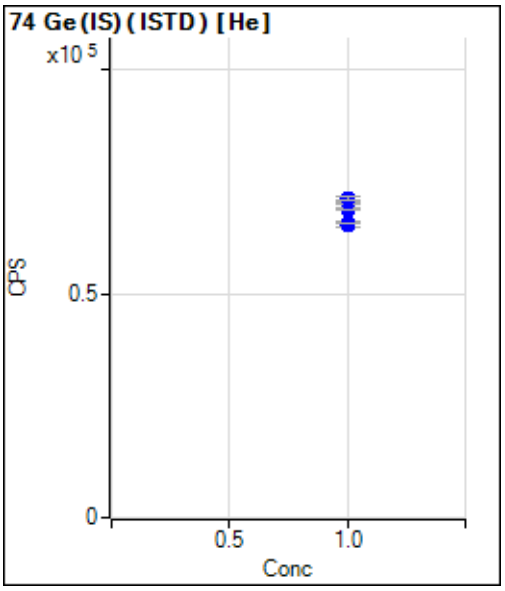
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3486902.94		A	0.8	
2	☐	1.000		3488431.51		A	1.6	
3	☐	1.000		3505143.28		A	0.8	
4	☐	1.000		3521307.17		A	0.5	
5	☐	1.000		3576746.54		A	1.2	
6	☐	1.000		3549582.45		A	2.9	



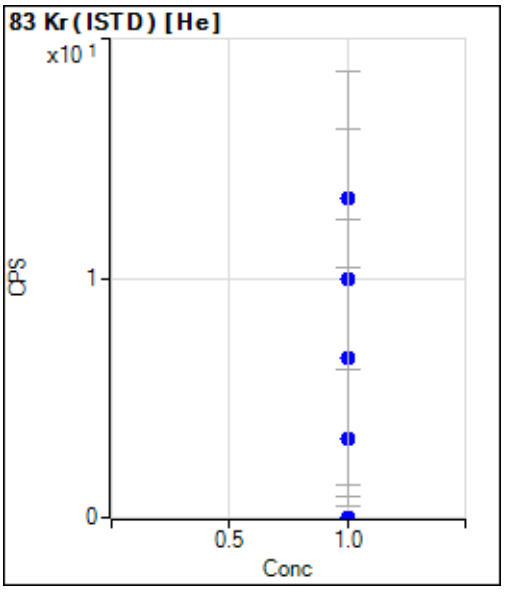
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		128383.44		P	0.9	
2	☐	1.000		128341.28		P	0.6	
3	☐	1.000		128637.04		P	0.5	
4	☐	1.000		130829.93		P	0.5	
5	☐	1.000		131822.26		P	1.2	
6	☐	1.000		131929.50		P	1.6	



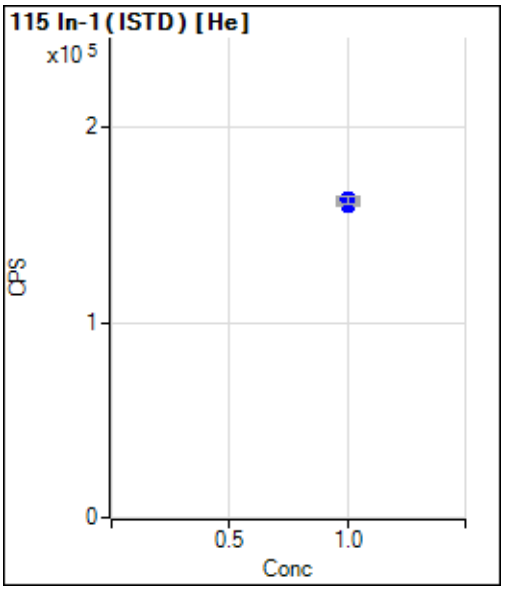
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		671718.62		P	0.2	
2	☐	1.000		664402.79		P	1.3	
3	☐	1.000		662379.81		P	0.5	
4	☐	1.000		687134.69		P	0.7	
5	☐	1.000		705304.58		P	0.9	
6	☐	1.000		713292.24		P	1.4	



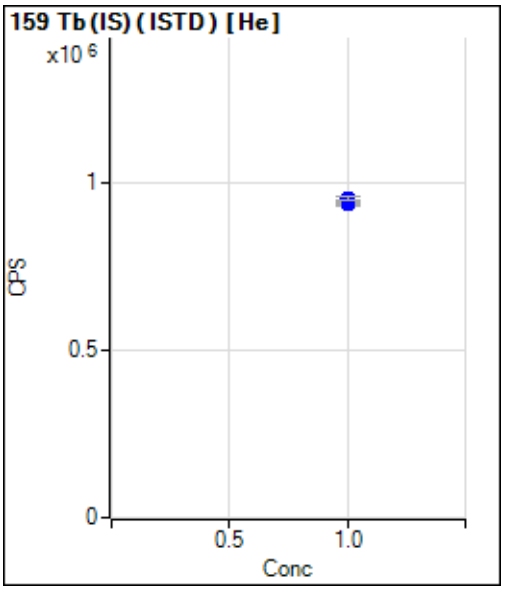
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		65325.62		P	1.1	
2	☐	1.000		65789.99		P	0.6	
3	☐	1.000		65703.03		P	0.2	
4	☐	1.000		68859.72		P	0.7	
5	☐	1.000		70291.48		P	1.1	
6	☐	1.000		71333.88		P	1.1	



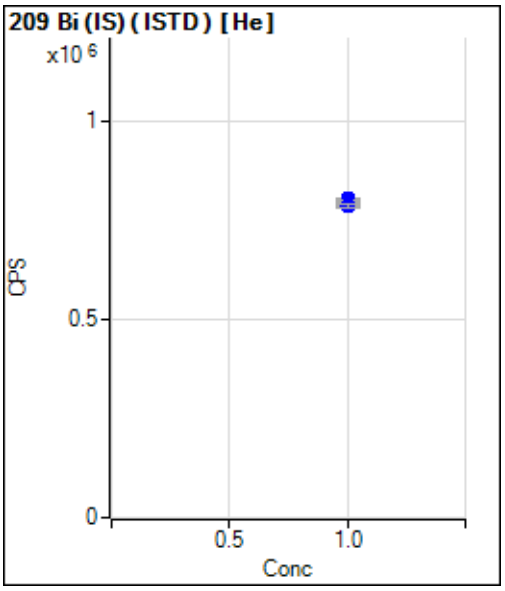
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		0.00		P		
2	☐	1.000		10.01		P	173.	
3	☐	1.000		13.35		P	43.3	
4	☐	1.000		3.34		P	173.	
5	☐	1.000		6.67		P	173.	
6	☐	1.000		3.34		P	173.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		160142.05		P	0.1	
2	☐	1.000		160452.34		P	0.6	
3	☐	1.000		160607.62		P	1.2	
4	☐	1.000		163426.25		P	0.1	
5	☐	1.000		163919.72		P	1.3	
6	☐	1.000		162974.29		P	2.1	



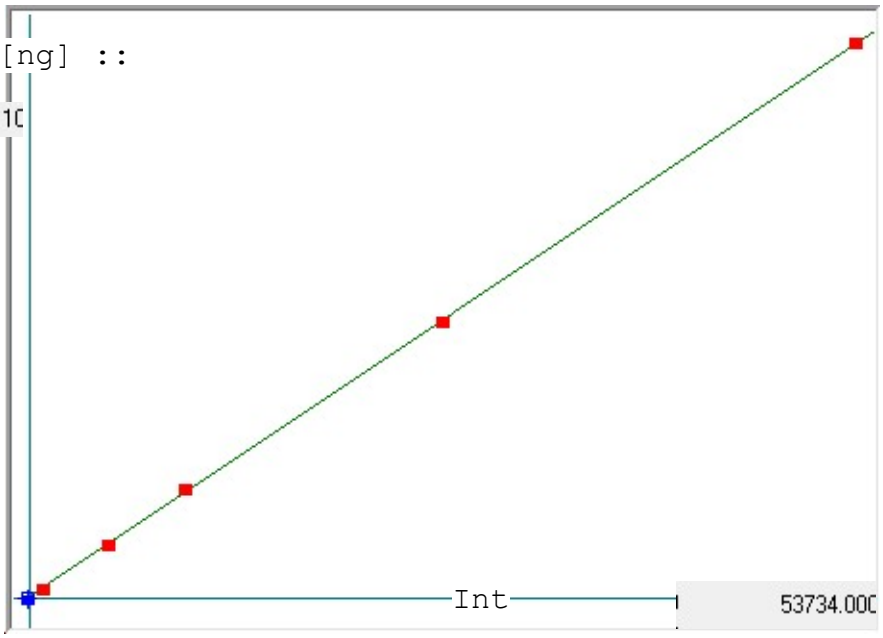
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		934091.41		P	0.9	
2	☐	1.000		935282.15		P	0.5	
3	☐	1.000		941830.06		P	0.2	
4	☐	1.000		945923.10		P	0.4	
5	☐	1.000		951219.65		P	0.9	
6	☐	1.000		951905.93		P	1.3	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		797408.04		P	0.4	
2	☐	1.000		805481.46		P	0.1	
3	☐	1.000		800612.39		P	0.6	
4	☐	1.000		798139.75		P	1.1	
5	☐	1.000		786286.56		P	0.6	
6	☐	1.000		786066.13		P	1.7	

245_7470A

Linear



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B= 1.8517e-004

C= 4.8550e-002

Rho= 0.9999557

Accept= Accepted

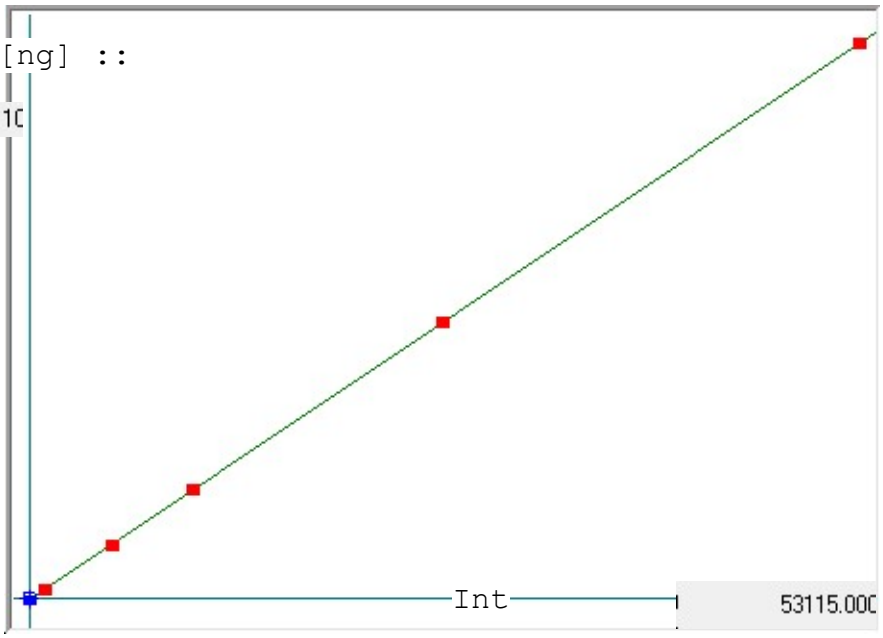
Accepted Date=

03/22/24 14:11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.020	0.020	-154	0.000	-154				
0.2 ug/L	0.200	0.220	0.020	924	0.0 %	924				
1.0 ug/L	1.000	1.004	0.004	5160	0.0 %	5160				
2.0 ug/L	2.000	1.929	-0.071	10157	0.0 %	10157				
5.0 ug/L	5.000	5.029	0.029	26895	0.0 %	26895				
10.0 ug/L	10.000	9.998	-0.002	53734	0.0 %	53734				

245_7470A

Linear



A= 0.0000e+000

B= 1.8838e-004

C= 2.3727e-003

Rho= 0.9999945

Accept= Accepted

Accepted Date=

03/26/24 14:13

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.014	0.014	63	0.000	63				
0.2 ug/L	0.200	0.204	0.004	1069	0.0 %	1069				
1.0 ug/L	1.000	1.004	0.004	5317	0.0 %	5317				
2.0 ug/L	2.000	1.979	-0.021	10491	0.0 %	10491				
5.0 ug/L	5.000	4.991	-0.009	26484	0.0 %	26484				
10.0 ug/L	10.000	10.008	0.008	53115	0.0 %	53115				

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: ICPMS5

Method: 6020B MDL Date: 07/28/2023 00:00

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: ICPMS5

Method: 6020B XMDL Date: 07/28/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B MDL Date: 07/28/2023 00:00

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B XMDL Date: 07/28/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 01/13/2020 12:28

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 01/13/2020 12:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 01/13/2020 12:28

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 01/13/2020 12:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6020B
Barium		20000	6020B
Cadmium		5000	6020B
Chromium		20000	6020B
Lead		20000	6020B
Selenium		3000	6020B
Silver		1000	6020B

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6020B
Barium		20000	6020B
Cadmium		5000	6020B
Chromium		20000	6020B
Lead		20000	6020B
Selenium		3000	6020B
Silver		1000	6020B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965493/1-A	03/22/2024 13:00	965493		50	50
LCS 460-965493/2-A	03/22/2024 13:00	965493		50	50
460-300484-2	03/22/2024 13:00	965493		50	50
460-300484-2 DU	03/22/2024 13:00	965493		50	50
460-300484-2 MS	03/22/2024 13:00	965493		50	50
460-300484-2 MSD	03/22/2024 13:00	965493		50	50
460-300484-1	03/22/2024 13:00	965493		50	50
460-300484-3	03/22/2024 13:00	965493		50	50
460-300484-4	03/22/2024 13:00	965493		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965990/1-B	03/26/2024 11:50	965991		10	10
LCS 460-965991/2-A	03/26/2024 11:50	965991		10	10
460-300484-2 DU	03/26/2024 11:50	965991		10	10
460-300484-2	03/26/2024 11:50	965991		10	10
460-300484-2 MS	03/26/2024 11:50	965991		10	10
460-300484-2 MSD	03/26/2024 11:50	965991		10	10
460-300484-1	03/26/2024 11:50	965991		10	10
460-300484-3	03/26/2024 11:50	965991		10	10
460-300484-4	03/26/2024 11:50	965991		10	10

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965497/1-A	03/22/2024 13:12	965497		30	30
LCS 460-965497/2-A	03/22/2024 13:12	965497		30	30
460-300484-2	03/22/2024 13:12	965497		30	30
460-300484-2 DU	03/22/2024 13:12	965497		30	30
460-300484-2 MS	03/22/2024 13:12	965497		30	30
460-300484-2 MSD	03/22/2024 13:12	965497		30	30
460-300484-1	03/22/2024 13:12	965497		30	30
460-300484-4	03/22/2024 13:12	965497		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965498/1-B	03/22/2024 14:59	965520		30	30
LCS 460-965520/3-A	03/22/2024 14:59	965520		30	30
460-300484-2	03/22/2024 14:59	965520		30	30
460-300484-2 DU	03/22/2024 14:59	965520		30	30
460-300484-2 MS	03/22/2024 14:59	965520		30	30
460-300484-2 MSD	03/22/2024 14:59	965520		30	30
460-300484-1	03/22/2024 14:59	965520		30	30
460-300484-3	03/22/2024 14:59	965520		30	30
460-300484-4	03/22/2024 14:59	965520		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965997/1-A	03/26/2024 13:18	965997		30	30
LCS 460-965997/2-A	03/26/2024 13:18	965997		30	30
460-300430-J-3-C DU	03/26/2024 13:18	965997		30	30
460-300430-J-3-D MS	03/26/2024 13:18	965997		30	30
460-300484-3	03/26/2024 13:18	965997		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
IC 460-966084/1	1		15:01	X	X	X	X	X	X	X													
IC 460-966084/2	1		15:04	X	X	X	X	X	X	X													
IC 460-966084/3	1		15:06	X	X	X	X	X	X	X													
IC 460-966084/4	1		15:09	X	X	X	X	X	X	X													
IC 460-966084/5	1		15:11	X	X	X	X	X	X	X													
IC 460-966084/6	1		15:14	X	X	X	X	X	X	X													
ICV 460-966084/7	1		15:16	X	X	X	X	X	X	X													
ICB 460-966084/8	1		15:19	X	X	X	X	X	X	X													
ICSA 460-966084/9	1		15:24	X	X	X	X	X	X	X													
ICSAB 460-966084/10	1		15:26	X	X	X	X	X	X	X													
LRC 460-966084/11			15:28																				
CRI 460-966084/12			15:33																				
LRC 460-966084/13	1		15:38	X	X	X	X	X	X	X													
LRC 460-966084/14	1		15:46	X	X	X	X	X	X	X													
CCV 460-966084/15	1		15:53	X	X	X	X	X	X	X													
CCB 460-966084/16	1		15:55	X	X	X	X	X	X	X													
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
CCV 460-966084/23	1		16:36	X	X	X	X	X	X	X													
CCB 460-966084/24	1		16:38	X	X	X	X	X	X	X													
MB 460-965990/1-B	1	D	16:40	X	X	X	X	X	X	X													
LCS 460-965991/2-A	1	R	16:43	X	X	X	X	X	X	X													
460-300484-2 DU	1	D	16:45	X	X	X	X	X	X	X													
460-300484-2	1	D	16:47	X	X	X	X	X	X	X													
460-300484-2 SD	5	D	16:50	X	X	X	X	X	X	X													
460-300484-2 MS	1	D	16:52	X	X	X	X	X	X	X													
460-300484-2 MSD	1	D	16:54	X	X	X	X	X	X	X													
460-300484-1	1	D	16:57	X	X	X	X	X	X	X													
CCV 460-966084/33	1		17:06	X	X	X	X	X	X	X													
CCB 460-966084/34	1		17:09	X	X	X	X	X	X	X													
460-300484-3	1	D	17:11	X	X	X	X	X	X	X													
460-300484-4	1	D	17:13	X	X	X	X	X	X	X													
ZZZZZZ			17:16																				
ZZZZZZ			17:18																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
ZZZZZZ			17:25																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			17:27																				
CCV 460-966084/43	1		17:35	X	X	X	X	X	X	X													
CCB 460-966084/44	1		17:37	X	X	X	X	X	X	X													
ZZZZZZ			17:39																				
ZZZZZZ			17:42																				
ZZZZZZ			17:44																				
ZZZZZZ			17:46																				
ZZZZZZ			17:49																				
ZZZZZZ			17:51																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
CCV 460-966084/53			18:03																				
CCB 460-966084/54			18:05																				
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:17																				
ZZZZZZ			18:20																				
ZZZZZZ			18:22																				
ZZZZZZ			18:24																				
CCV 460-966084/63			18:31																				
CCB 460-966084/64			18:42																				
ZZZZZZ			18:44																				
ZZZZZZ			18:50																				
ZZZZZZ			18:52																				
ZZZZZZ			18:55																				
ZZZZZZ			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				
ZZZZZZ			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:09																				
CCV 460-966084/75			19:11																				
CCB 460-966084/76			19:14																				
ZZZZZZ			19:17																				
ZZZZZZ			19:19																				
ZZZZZZ			19:22																				
ZZZZZZ			19:24																				
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 460-966084/87			19:41																				
CCB 460-966084/88			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			20:00																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:07																				
CCV 460-966084/99			20:09																				
CCB 460-966084/100			20:12																				
ZZZZZZ			20:16																				
ZZZZZZ			20:19																				
ZZZZZZ			20:21																				
ZZZZZZ			20:23																				
ZZZZZZ			20:26																				
ZZZZZZ			20:28																				
ZZZZZZ			20:30																				
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:38																				
CCV 460-966084/111			20:40																				
CCB 460-966084/112			20:42																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:01																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
CCV 460-966084/123			21:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCB 460-966084/124			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:16																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
CCV 460-966084/135			21:39																				
CCB 460-966084/136			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:46																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:55																				
ZZZZZZ			21:58																				
ZZZZZZ			22:00																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
CCV 460-966084/147			22:07																				
CCB 460-966084/148			22:09																				
ZZZZZZ			22:12																				
ZZZZZZ			22:14																				
ZZZZZZ			22:17																				
ZZZZZZ			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:26																				
ZZZZZZ			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:33																				
CCV 460-966084/159			22:36																				
CCB 460-966084/160			22:38																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			22:50																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:57																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
CCV 460-966084/171			23:04																				
CCB 460-966084/172			23:07																				
ZZZZZZ			23:09																				
ZZZZZZ			23:11																				
ZZZZZZ			23:14																				
ZZZZZZ			23:16																				
ZZZZZZ			23:18																				
ZZZZZZ			23:21																				
ZZZZZZ			23:23																				
ZZZZZZ			23:26																				
ZZZZZZ			23:28																				
ZZZZZZ			23:30																				
CCV 460-966084/183			23:33																				
CCB 460-966084/184			23:35																				
ZZZZZZ			23:37																				
ZZZZZZ			23:40																				
ZZZZZZ			23:42																				
ZZZZZZ			23:45																				
ZZZZZZ			23:47																				
ZZZZZZ			23:49																				
ZZZZZZ			23:52																				
ZZZZZZ			23:54																				
ZZZZZZ			23:56																				
ZZZZZZ			23:59																				
CCV 460-966084/195			00:01																				
CCB 460-966084/196			00:04																				

Prep Types

D = Dissolved

R = Total Recoverable

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
IC 460-965530/1	1		14:30	X	X	X	X	X	X	X													
IC 460-965530/2	1		14:32	X	X	X	X	X	X	X													
IC 460-965530/3	1		14:35	X	X	X	X	X	X	X													
IC 460-965530/4	1		14:38	X	X	X	X	X	X	X													
IC 460-965530/5	1		14:40	X	X	X	X	X	X	X													
IC 460-965530/6	1		14:43	X	X	X	X	X	X	X													
ICV 460-965530/7	1		14:45	X	X	X	X	X	X	X													
ICB 460-965530/8	1		14:48	X	X	X	X	X	X	X													
CRI 460-965530/9			14:50																				
ICSA 460-965530/10	1		14:53	X	X	X	X	X	X	X													
ICSAB 460-965530/11	1		14:55	X	X	X	X	X	X	X													
LRC 460-965530/12	1		14:57	X	X	X	X	X	X	X													
LRC 460-965530/13	1		15:00	X	X	X	X	X	X	X													
LRC 460-965530/14	1		15:02	X	X	X	X	X	X	X													
ZZZZZZ			15:05																				
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:12																				
CCV 460-965530/19	1		15:14	X	X	X	X	X	X	X													
CCB 460-965530/20	1		15:17	X	X	X	X	X	X	X													
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:41																				
CCV 460-965530/31			15:43																				
CCB 460-965530/32			15:45																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
ZZZZZZ			16:00																				
ZZZZZZ			16:02																				
ZZZZZZ			16:05																				
ZZZZZZ			16:07																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			16:09																				
CCV 460-965530/43			16:12																				
CCB 460-965530/44			16:14																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
ZZZZZZ			16:24																				
ZZZZZZ			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
CCV 460-965530/55			16:40																				
CCB 460-965530/56			16:43																				
ZZZZZZ			16:46																				
ZZZZZZ			16:48																				
ZZZZZZ			16:51																				
ZZZZZZ			16:53																				
ZZZZZZ			16:55																				
ZZZZZZ			16:58																				
ZZZZZZ			17:00																				
ZZZZZZ			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:07																				
CCV 460-965530/67			17:10																				
CCB 460-965530/68			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:27																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
CCV 460-965530/79			17:39																				
CCB 460-965530/80			17:41																				
ZZZZZZ			17:43																				
ZZZZZZ			17:46																				

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D/F	Type	Time	Analytes																		
				Ag	As	Ba	Cd	Cr	Pb	Se												
ZZZZZZ			17:48																			
ZZZZZZ			17:51																			
ZZZZZZ			17:53																			
ZZZZZZ			17:55																			
ZZZZZZ			17:58																			
ZZZZZZ			18:00																			
ZZZZZZ			18:03																			
ZZZZZZ			18:05																			
CCV 460-965530/91	1		18:07	X	X	X	X	X	X	X												
CCB 460-965530/92	1		18:10	X	X	X	X	X	X	X												
ZZZZZZ			18:12																			
ZZZZZZ			18:15																			
ZZZZZZ			18:17																			
ZZZZZZ			18:19																			
MB 460-965493/1-A	1	R	18:22	X	X	X	X	X	X	X												
LCS 460-965493/2-A	1	R	18:24	X	X	X	X	X	X	X												
460-300484-2 PDS	1	R	18:27	X	X	X	X	X	X	X												
460-300484-2 MSD	1	R	18:29	X	X	X	X	X	X	X												
460-300484-2 MS	1	R	18:31	X	X	X	X	X	X	X												
460-300484-2 DU	1	R	18:34	X	X	X	X	X	X	X												
CCV 460-965530/103	1		18:36	X	X	X	X	X	X	X												
CCB 460-965530/104	1		18:39	X	X	X	X	X	X	X												
460-300484-2	1	R	18:41	X	X	X	X	X	X	X												
460-300484-2 SD	5	R	18:44	X	X	X	X	X	X	X												
460-300484-1	1	R	18:46	X	X	X	X	X	X	X												
460-300484-3	1	R	18:48	X	X	X	X	X	X	X												
460-300484-4	1	R	18:51	X	X	X	X	X	X	X												
ZZZZZZ			18:53																			
ZZZZZZ			18:56																			
ZZZZZZ			18:58																			
ZZZZZZ			19:00																			
ZZZZZZ			19:03																			
CCV 460-965530/115	1		19:05	X	X	X	X	X	X	X												
CCB 460-965530/116	1		19:08	X	X	X	X	X	X	X												
ZZZZZZ			19:10																			
ZZZZZZ			19:12																			
ZZZZZZ			19:15																			
ZZZZZZ			19:17																			
ZZZZZZ			19:20																			
ZZZZZZ			19:22																			
ZZZZZZ			19:24																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:42																				
CCV 460-965530/127			19:45																				
CCB 460-965530/128			19:47																				
ZZZZZZ			19:49																				
ZZZZZZ			19:52																				
ZZZZZZ			19:54																				
CCV 460-965530/132			19:57																				
CCB 460-965530/133			19:59																				
ZZZZZZ			20:01																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
ZZZZZZ			20:09																				
ZZZZZZ			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
ZZZZZZ			20:18																				
ZZZZZZ			20:21																				
ZZZZZZ			20:23																				
CCV 460-965530/144			20:26																				
CCB 460-965530/145			20:28																				
ZZZZZZ			20:30																				
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:38																				
ZZZZZZ			20:40																				
ZZZZZZ			20:42																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
CCV 460-965530/156			20:54																				
CCB 460-965530/157			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:02																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
ZZZZZZ			21:09																				
ZZZZZZ			21:11																				
ZZZZZZ			21:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			21:16																				
ZZZZZZ			21:19																				
CCV 460-965530/167			21:21																				
CCB 460-965530/168			21:23																				
ZZZZZZ			21:26																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:33																				
ZZZZZZ			21:35																				
ZZZZZZ			21:38																				
ZZZZZZ			21:40																				
ZZZZZZ			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:47																				
CCV 460-965530/179			21:50																				
CCB 460-965530/180			21:52																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
ZZZZZZ			21:59																				
ZZZZZZ			22:02																				
ZZZZZZ			22:04																				
ZZZZZZ			22:07																				
ZZZZZZ			22:09																				
ZZZZZZ			22:11																				
ZZZZZZ			22:14																				
ZZZZZZ			22:16																				
CCV 460-965530/191			22:19																				
CCB 460-965530/192			22:21																				
ZZZZZZ			22:23																				
ZZZZZZ			22:26																				
ZZZZZZ			22:28																				
ZZZZZZ			22:31																				
ZZZZZZ			22:33																				
ZZZZZZ			22:35																				
ZZZZZZ			22:38																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
CCV 460-965530/203			22:47																				
CCB 460-965530/204			22:50																				
ZZZZZZ			22:52																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 03/22/2024 14:30 End Date: 03/22/2024 23:07

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			22:55																				
ZZZZZZ			22:57																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
CCV 460-965530/210			23:04																				
CCB 460-965530/211			23:07																				

Prep Types
R = Total Recoverable
T = Total/NA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/22/2024 13:48 End Date: 03/22/2024 17:06

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:48																				
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:53																				
ZZZZZZ			13:55																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ICIS 460-965534/8			14:00	X																			
IC 460-965497/27-A			14:02	X																			
IC 460-965497/28-A			14:03	X																			
IC 460-965497/29-A			14:05	X																			
IC 460-965497/30-A			14:07	X																			
IC 460-965497/31-A			14:09	X																			
ICV 460-965497/32-A	1		14:11	X																			
ICB 460-965534/15	1		14:13	X																			
CRI 460-965497/33-A	1		14:14	X																			
ZZZZZZ			14:16																				
ZZZZZZ			14:18																				
CCV 460-965497/36-A	1		14:20	X																			
CCB 460-965534/20	1		14:22	X																			
MB 460-965497/1-A	1	T	14:23	X																			
LCS 460-965497/2-A	1	T	14:25	X																			
ZZZZZZ			14:27																				
460-300484-2 DU	1	T	14:29	X																			
460-300484-2 MS	1	T	14:30	X																			
460-300484-2 MSD	1	T	14:32	X																			
ZZZZZZ			14:34																				
ZZZZZZ			14:36																				
ZZZZZZ			14:37																				
ZZZZZZ			14:39																				
CCV 460-965497/36-A	1		14:41	X																			
CCB 460-965534/32	1		14:42	X																			
ZZZZZZ			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:48																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:55																				
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/22/2024 13:48 End Date: 03/22/2024 17:06

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
460-300484-1	1	T	15:00	X																			
CCV 460-965497/36-A	1		15:01	X																			
CCB 460-965534/44	1		15:03	X																			
CCB 460-965534/45	1		15:05	X																			
460-300484-4	1	T	15:07	X																			
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
ZZZZZZ			15:13																				
460-300484-2	1	T	15:15	X																			
460-300484-2 SD	5	T	15:17	X																			
ZZZZZZ			15:19																				
MB 460-965498/1-B	1	D	15:20	X																			
CCV 460-965497/36-A	1		15:22	X																			
CCB 460-965534/56	1		15:24	X																			
LCS 460-965520/3-A	1	T	15:26	X																			
460-300484-2	1	D	15:27	X																			
460-300484-2 DU	1	D	15:29	X																			
460-300484-2 MS	1	D	15:31	X																			
460-300484-2 MSD	1	D	15:32	X																			
460-300484-2 SD	5	D	15:34	X																			
460-300484-1	1	D	15:36	X																			
460-300484-3	1	D	15:38	X																			
460-300484-4	1	D	15:39	X																			
ZZZZZZ			15:41																				
CCV 460-965497/36-A	1		15:43	X																			
CCB 460-965534/68	1		15:44	X																			
ZZZZZZ			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				
ZZZZZZ			15:51																				
ZZZZZZ			15:53																				
ZZZZZZ			15:55																				
ZZZZZZ			15:57																				
ZZZZZZ			15:58																				
ZZZZZZ			16:00																				
ZZZZZZ			16:02																				
CCV 460-965497/36-A			16:03																				
CCB 460-965534/80			16:05																				
ZZZZZZ			16:07																				
ZZZZZZ			16:09																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/22/2024 13:48 End Date: 03/22/2024 17:06

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:10																				
ZZZZZZ			16:12																				
ZZZZZZ			16:14																				
ZZZZZZ			16:16																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
ZZZZZZ			16:23																				
CCV 460-965497/36-A			16:24																				
CCB 460-965534/92			16:26																				
ZZZZZZ			16:28																				
ZZZZZZ			16:30																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:43																				
CCV 460-965497/36-A			16:45																				
CCB 460-965534/104			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
ZZZZZZ			16:56																				
CCV 460-965497/36-A			16:57																				
CCB 460-965534/111			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				

Prep Types

D = Dissolved

T = Total/NA

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ICIS 460-966040/8			14:03	X																			
IC 460-965997/26-A			14:04	X																			
IC 460-965997/27-A			14:06	X																			
IC 460-965997/28-A			14:08	X																			
IC 460-965997/29-A			14:09	X																			
IC 460-965997/30-A			14:11	X																			
ICV 460-965997/31-A	1		14:13	X																			
ICB 460-966040/15	1		14:15	X																			
CRI 460-965997/32-A	1		14:17	X																			
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
CCV 460-965997/35-A	1		14:22	X																			
CCB 460-966040/20	1		14:24	X																			
MB 460-965997/1-A	1	T	14:26	X																			
LCS 460-965997/2-A	1	T	14:28	X																			
ZZZZZZ			14:29																				
460-300430-J-3-C DU	1	T	14:31	X																			
460-300430-J-3-D MS	1	T	14:33	X																			
460-300430-J-3-B SD ^5	5	T	14:35	X																			
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
CCV 460-965997/35-A	1		14:43	X																			
CCB 460-966040/32	1		14:45	X																			
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:50																				
460-300484-3	1	T	14:52	X																			
ZZZZZZ			14:54																				
ZZZZZZ			14:55																				
ZZZZZZ			14:57																				
ZZZZZZ			14:59																				
ZZZZZZ			15:00																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			15:02																				
CCV 460-965997/35-A	1		15:04	X																			
CCB 460-966040/44	1		15:05	X																			
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
ZZZZZZ			15:18																				
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
CCV 460-965997/35-A			15:24																				
CCB 460-966040/56			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:30																				
ZZZZZZ			15:32																				
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:44																				
CCV 460-965997/35-A			15:45																				
CCB 460-966040/68			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:50																				
ZZZZZZ			15:52																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:57																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ZZZZZZ			16:02																				
ZZZZZZ			16:04																				
CCV 460-965997/35-A			16:06																				
CCB 460-966040/80			16:08																				
ZZZZZZ			16:10																				
ZZZZZZ			16:11																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
ZZZZZZ			16:16																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:25																				
CCV 460-965997/35-A			16:27																				
CCB 460-966040/92			16:29																				
ZZZZZZ			16:31																				
ZZZZZZ			16:32																				
ZZZZZZ			16:34																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:39																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
CCV 460-965997/35-A			16:48																				
CCB 460-966040/104			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:53																				
ZZZZZZ			16:55																				
ZZZZZZ			16:57																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
CCV 460-965997/35-A			17:07																				
CCB 460-966040/115			17:09																				

Prep Types
D = Dissolved
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: Analysis Batch No.: 966084

ICP-MS Instrument ID: ICPMS3 Start Date: 03/26/2024 End Date: 03/26/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-966084/1	15:01	100		100		100		100		100	
IC 460-966084/2	15:04	103		104		101		101		99	
IC 460-966084/3	15:06	101		104		102		102		99	
IC 460-966084/4	15:09	97		100		100		98		97	
IC 460-966084/5	15:11	94		99		101		100		97	
IC 460-966084/6	15:14	95		100		99		99		96	
ICV 460-966084/7	15:16	89		98		98		98		96	
ICB 460-966084/8	15:19	88		98		98		97		96	
ICSA 460-966084/9	15:24	85		97		98		97		93	
ICSAB 460-966084/10	15:26	80		96		96		96		92	
LRC 460-966084/13	15:38	73		93		96		95		91	
LRC 460-966084/14	15:46	82		94		95		98		86	
CCV 460-966084/15	15:53	71		93		94		93		89	
CCB 460-966084/16	15:55	69		90		93		91		89	
CCV 460-966084/23	16:36	71		88		90		88		85	
CCB 460-966084/24	16:38	65		86		90		86		85	
MB 460-965990/1-B	16:40	68		88		91		89		86	
LCS 460-965991/2-A	16:43	68		87		92		89		87	
460-300484-2 DU	16:45	74		92		94		91		87	
460-300484-2	16:47	75		91		93		93		87	
460-300484-2 SD	16:50	74		90		92		92		87	
460-300484-2 MS	16:52	75		90		94		93		88	
460-300484-2 MSD	16:54	78		91		94		94		88	
460-300484-1	16:57	77		91		93		93		87	
CCV 460-966084/33	17:06	71		87		89		88		85	
CCB 460-966084/34	17:09	68		87		90		89		85	
460-300484-3	17:11	73		91		94		93		87	
460-300484-4	17:13	73		90		94		93		88	
CCV 460-966084/43	17:35	73		89		92		91		86	
CCB 460-966084/44	17:37	70		90		93		91		87	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: Analysis Batch No.: 966084

ICP-MS Instrument ID: ICPMS3 Start Date: 03/26/2024 End Date: 03/26/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-966084/1	15:01	100		100		100		100			
IC 460-966084/2	15:04	98		102		101		101			
IC 460-966084/3	15:06	100		102		101		101			
IC 460-966084/4	15:09	97		98		99		97			
IC 460-966084/5	15:11	97		98		100		98			
IC 460-966084/6	15:14	96		98		99		96			
ICV 460-966084/7	15:16	96		98		100		98			
ICB 460-966084/8	15:19	95		97		99		99			
ICSA 460-966084/9	15:24	94		95		98		93			
ICSAB 460-966084/10	15:26	93		96		98		93			
LRC 460-966084/13	15:38	90		97		97		92			
LRC 460-966084/14	15:46	89		92		95		86			
CCV 460-966084/15	15:53	90		95		96		94			
CCB 460-966084/16	15:55	87		94		95		95			
CCV 460-966084/23	16:36	86		91		94		92			
CCB 460-966084/24	16:38	84		90		92		92			
MB 460-965990/1-B	16:40	85		92		93		94			
LCS 460-965991/2-A	16:43	86		93		94		95			
460-300484-2 DU	16:45	87		92		94		91			
460-300484-2	16:47	88		92		95		91			
460-300484-2 SD	16:50	86		92		95		93			
460-300484-2 MS	16:52	89		93		96		92			
460-300484-2 MSD	16:54	89		94		95		91			
460-300484-1	16:57	88		94		96		93			
CCV 460-966084/33	17:06	85		91		92		91			
CCB 460-966084/34	17:09	85		92		94		94			
460-300484-3	17:11	88		92		95		91			
460-300484-4	17:13	88		93		94		90			
CCV 460-966084/43	17:35	86		92		94		92			
CCB 460-966084/44	17:37	87		93		94		95			
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: Analysis Batch No.: 965530

ICP-MS Instrument ID: ICPMS5 Start Date: 03/22/2024 End Date: 03/22/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-965530/1	14:30	100		100		100		100		100	
IC 460-965530/2	14:32	99		100		100		100		99	
IC 460-965530/3	14:35	99		100		101		100		99	
IC 460-965530/4	14:38	100		103		101		102		102	
IC 460-965530/5	14:40	101		102		103		103		105	
IC 460-965530/6	14:43	99		101		102		103		106	
ICV 460-965530/7	14:45	101		103		104		103		105	
ICB 460-965530/8	14:48	101		103		102		102		101	
ICSA 460-965530/10	14:53	97		99		100		99		104	
ICSAB 460-965530/11	14:55	99		101		100		99		106	
LRC 460-965530/12	14:57	98		99		96		92		97	
LRC 460-965530/13	15:00	90		95		101		103		102	
LRC 460-965530/14	15:02	97		98		102		100		104	
CCV 460-965530/19	15:14	103		102		101		99		102	
CCB 460-965530/20	15:17	101		102		100		99		100	
CCV 460-965530/91	18:07	97		95		96		96		99	
CCB 460-965530/92	18:10	97		96		96		96		97	
MB 460-965493/1-A	18:22	95		96		97		97		98	
LCS 460-965493/2-A	18:24	96		97		96		96		96	
460-300484-2 PDS	18:27	94		95		96		94		102	
460-300484-2 MSD	18:29	94		95		97		95		103	
460-300484-2 MS	18:31	92		95		97		95		102	
460-300484-2 DU	18:34	93		95		97		96		103	
CCV 460-965530/103	18:36	96		95		96		97		101	
CCB 460-965530/104	18:39	96		97		99		98		101	
460-300484-2	18:41	93		96		97		96		103	
460-300484-2 SD	18:44	95		98		99		99		105	
460-300484-1	18:46	94		97		99		96		105	
460-300484-3	18:48	92		97		98		98		104	
460-300484-4	18:51	92		97		98		98		104	
CCV 460-965530/115	19:05	97		97		97		95		100	
CCB 460-965530/116	19:08	96		96		97		98		98	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.: Analysis Batch No.: 965530

ICP-MS Instrument ID: ICPMS5 Start Date: 03/22/2024 End Date: 03/22/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-965530/1	14:30	100		100		100		100			
IC 460-965530/2	14:32	101		100		100		101			
IC 460-965530/3	14:35	101		100		101		100			
IC 460-965530/4	14:38	105		102		101		100			
IC 460-965530/5	14:40	108		102		102		99			
IC 460-965530/6	14:43	109		102		102		99			
ICV 460-965530/7	14:45	107		103		103		100			
ICB 460-965530/8	14:48	103		102		101		101			
ICSA 460-965530/10	14:53	107		98		99		95			
ICSAB 460-965530/11	14:55	108		99		100		96			
LRC 460-965530/12	14:57	97		95		97		99			
LRC 460-965530/13	15:00	109		100		101		94			
LRC 460-965530/14	15:02	106		99		101		97			
CCV 460-965530/19	15:14	104		99		100		98			
CCB 460-965530/20	15:17	102		101		100		100			
CCV 460-965530/91	18:07	104		98		99		98			
CCB 460-965530/92	18:10	101		100		100		101			
MB 460-965493/1-A	18:22	102		100		100		102			
LCS 460-965493/2-A	18:24	101		98		99		100			
460-300484-2 PDS	18:27	107		95		98		96			
460-300484-2 MSD	18:29	107		97		99		96			
460-300484-2 MS	18:31	106		97		99		96			
460-300484-2 DU	18:34	106		97		99		96			
CCV 460-965530/103	18:36	105		99		100		100			
CCB 460-965530/104	18:39	103		102		102		103			
460-300484-2	18:41	108		98		100		97			
460-300484-2 SD	18:44	108		101		102		102			
460-300484-1	18:46	110		100		101		99			
460-300484-3	18:48	109		99		101		98			
460-300484-4	18:51	108		100		101		98			
CCV 460-965530/115	19:05	104		98		99		99			
CCB 460-965530/116	19:08	103		100		100		102			
IS Name on Instrument											

Sample Report

File Name 002SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 14:56:22

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1594322.08	0.9		70	120	
Sc (ISICPMS)	45	No Gas	10389356.86	1.3		70	120	
Sc (ISICPMS)	45	H2	2991278.64	1.2		70	120	
Sc (ISICPMS)	45	He	123863.63	0.4		70	120	
Ge (IS)	74	H2	619122.95	1.3		70	120	
Ge (IS)	74	He	68969.00	2.2		70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147537.96	0.9		70	120	
Tb (IS)	159	He	724129.66	1.6		70	120	
Bi (IS)	209	He	588891.45	0.2		70	120	

Sample Report

File Name 003SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 14:58:46

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1572627.20	2.8		70	120	
Sc (ISICPMS)	45	No Gas	10295690.19	0.9		70	120	
Sc (ISICPMS)	45	H2	2992555.62	0.2		70	120	
Sc (ISICPMS)	45	He	123469.28	0.2		70	120	
Ge (IS)	74	H2	618693.60	0.7		70	120	
Ge (IS)	74	He	68895.24	1.2		70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	148284.64	1.6		70	120	
Tb (IS)	159	He	728640.72	1.6		70	120	
Bi (IS)	209	He	591611.61	0.9		70	120	

Calibration Blank

File Name 004CALB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:01:09

Sample Name **IC Cal Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	21.11	24.1
B	11	6	No Gas	10251.23	2.6
Na	23	45	He	40061.09	2.5
Mg	24	45	He	160.00	2.1
Al	27	45	He	98.89	15.6
K	39	45	He	17563.54	2.6
Ca	40	45	H2	120366.99	1.0
Ti	47	45	No Gas	2638.02	1.9
V	51	74	He	1043.37	1.7
Cr	52	74	He	6193.52	0.2
Mn	55	74	He	111.11	25.5
Fe	56	74	H2	124463.64	0.3
Co	59	74	He	47.78	28.2
Ni	60	74	He	535.57	7.9
Cu	63	74	He	711.13	4.9
Zn	66	74	He	653.35	7.5
As	75	74	He	33.33	26.5
Se	78	74	H2	14.44	13.4
Sr	88	115	He	42.22	25.4
Mo	95	115	He	75.56	10.2
Ag	107	115	He	8.89	21.6
Cd	111	115	He	3.33	0.0
Sn	118	115	He	901.15	8.5
Sb	121	115	He	85.55	12.5
Ba	137	159	He	18.89	10.2
Tl	205	159	He	36.67	27.3
(Pb)	206	209	He	171.11	8.1
(Pb)	207	209	He	160.00	12.5
Pb	208	209	He	702.23	1.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	1496003.28	1.5	100.0
Sc (ISICPMS)	45	No Gas	9931843.05	0.5	100.0
Sc (ISICPMS)	45	H2	2933887.04	0.5	100.0
Sc (ISICPMS)	45	He	120925.97	0.4	100.0
Ge (IS)	74	H2	619671.58	0.4	100.0
Ge (IS)	74	He	69490.22	1.1	100.0
Kr	83	He	0.00	N/A	

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	144826.37	0.6	100.0
Tb (IS)	159	He	719403.38	0.9	100.0
Bi (IS)	209	He	581371.44	1.1	100.0

Calibration Standard

File Name 005CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:04:02

Sample Name **IC Cal-1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	876.70	2.5
B	11	6	No Gas	70328.09	0.6
Na	23	45	He	55977.24	0.7
Mg	24	45	He	9893.23	3.3
Al	27	45	He	625.57	6.3
K	39	45	He	24637.83	1.5
Ca	40	45	H2	526925.92	0.8
Ti	47	45	No Gas	6600.36	1.1
V	51	74	He	3758.27	2.4
Cr	52	74	He	9550.87	1.5
Mn	55	74	He	2844.73	2.4
Fe	56	74	H2	663774.47	0.9
Co	59	74	He	6568.15	1.5
Ni	60	74	He	2253.52	2.5
Cu	63	74	He	5559.96	1.0
Zn	66	74	He	2890.30	3.0
As	75	74	He	195.56	10.4
Se	78	74	H2	387.78	11.2
Sr	88	115	He	1340.07	4.2
Mo	95	115	He	2317.98	4.5
Ag	107	115	He	4006.13	3.5
Cd	111	115	He	471.12	6.6
Sn	118	115	He	6903.92	3.7
Sb	121	115	He	1036.71	2.4
Ba	137	159	He	710.02	7.0
Tl	205	159	He	3873.91	3.3
(Pb)	206	209	He	2011.27	3.1
(Pb)	207	209	He	1684.56	2.3
Pb	208	209	He	7926.53	1.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1535035.91	1.2	102.6	70	120	
Sc (ISICPMS)	45	No Gas	10326680.75	0.5	104.0	70	120	
Sc (ISICPMS)	45	H2	2971270.83	0.4	101.3	70	120	
Sc (ISICPMS)	45	He	122294.42	0.9	101.1	70	120	
Ge (IS)	74	H2	612412.55	0.6	98.8	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	68325.99	1.5	98.3	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	146953.38	0.5	101.5	70	120	
Tb (IS)	159	He	724623.47	1.0	100.7	70	120	
Bi (IS)	209	He	584617.16	0.3	100.6	70	120	

Calibration Standard

File Name 006CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:06:38

Sample Name **IC Cal-2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	4270.62	2.4
B	11	6	No Gas	311517.72	1.2
Na	23	45	He	143169.85	0.8
Mg	24	45	He	48411.72	0.4
Al	27	45	He	2676.92	2.4
K	39	45	He	51798.22	1.0
Ca	40	45	H2	2153620.75	1.2
Ti	47	45	No Gas	24169.97	1.9
V	51	74	He	14809.58	1.1
Cr	52	74	He	24651.36	0.7
Mn	55	74	He	13744.10	0.1
Fe	56	74	H2	2798030.69	0.7
Co	59	74	He	32556.55	1.0
Ni	60	74	He	9424.12	1.7
Cu	63	74	He	25465.08	1.0
Zn	66	74	He	11669.08	1.1
As	75	74	He	902.26	9.4
Se	78	74	H2	2005.70	3.7
Sr	88	115	He	6483.70	2.2
Mo	95	115	He	11252.17	0.6
Ag	107	115	He	20085.15	0.9
Cd	111	115	He	2172.40	3.1
Sn	118	115	He	31736.33	1.0
Sb	121	115	He	5178.74	2.7
Ba	137	159	He	3437.11	1.5
Tl	205	159	He	18302.40	2.8
(Pb)	206	209	He	9035.30	1.3
(Pb)	207	209	He	7980.17	2.6
Pb	208	209	He	36530.70	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1504411.99	1.0	100.6	70	120	
Sc (ISICPMS)	45	No Gas	10344344.43	1.1	104.2	70	120	
Sc (ISICPMS)	45	H2	2997212.14	0.7	102.2	70	120	
Sc (ISICPMS)	45	He	123128.67	2.1	101.8	70	120	
Ge (IS)	74	H2	612150.22	0.1	98.8	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	69486.88	1.6	100.0	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	147186.65	1.1	101.6	70	120	
Tb (IS)	159	He	728410.76	1.1	101.3	70	120	
Bi (IS)	209	He	587753.80	1.3	101.1	70	120	

Calibration Standard

File Name 007CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:09:12

Sample Name **IC Cal-3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	50863.42	0.5
B	11	6	No Gas	103732.37	0.7
Na	23	45	He	1311822.75	0.6
Mg	24	45	He	574609.25	0.5
Al	27	45	He	145469.64	0.9
K	39	45	He	418922.15	0.2
Ca	40	45	H2	23224291.60	1.7
Ti	47	45	No Gas	54375.53	1.1
V	51	74	He	33770.08	0.6
Cr	52	74	He	50715.22	0.7
Mn	55	74	He	16352.31	1.7
Fe	56	74	H2	51465804.23	0.2
Co	59	74	He	77649.31	0.2
Ni	60	74	He	21861.59	2.0
Cu	63	74	He	59126.71	1.1
Zn	66	74	He	16756.13	1.8
As	75	74	He	4258.41	2.3
Se	78	74	H2	7911.04	3.0
Sr	88	115	He	15571.67	0.4
Mo	95	115	He	27223.21	0.8
Ag	107	115	He	48492.16	0.5
Cd	111	115	He	10030.21	2.3
Sn	118	115	He	19297.47	1.4
Sb	121	115	He	24083.61	1.3
Ba	137	159	He	8193.53	2.9
Tl	205	159	He	215085.58	0.6
(Pb)	206	209	He	70131.32	0.5
(Pb)	207	209	He	60952.91	0.8
Pb	208	209	He	283627.01	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1450246.78	0.6	96.9	70	120	
Sc (ISICPMS)	45	No Gas	9960588.74	1.7	100.3	70	120	
Sc (ISICPMS)	45	H2	2928245.65	0.7	99.8	70	120	
Sc (ISICPMS)	45	He	118703.71	1.0	98.2	70	120	
Ge (IS)	74	H2	600493.28	0.5	96.9	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	67119.29	1.3	96.6	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	142324.37	0.4	98.3	70	120	
Tb (IS)	159	He	711638.12	0.6	98.9	70	120	
Bi (IS)	209	He	564257.40	0.3	97.1	70	120	

Calibration Standard

File Name 008CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:11:46

Sample Name **IC Cal-4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	101591.46	1.8
B	11	6	No Gas	193924.26	1.5
Na	23	45	He	2588341.28	0.1
Mg	24	45	He	1168464.50	0.3
Al	27	45	He	295996.64	0.4
K	39	45	He	826927.41	0.1
Ca	40	45	H2	46496875.42	1.3
Ti	47	45	No Gas	106301.82	1.0
V	51	74	He	68898.14	0.4
Cr	52	74	He	96522.57	1.1
Mn	55	74	He	33360.45	1.7
Fe	56	74	H2	103725364.01	1.2
Co	59	74	He	156686.30	0.5
Ni	60	74	He	43371.59	0.3
Cu	63	74	He	117434.43	0.3
Zn	66	74	He	34075.66	1.0
As	75	74	He	8998.34	3.3
Se	78	74	H2	15544.92	2.1
Sr	88	115	He	31590.76	0.4
Mo	95	115	He	55379.22	0.8
Ag	107	115	He	96972.98	0.2
Cd	111	115	He	20447.89	1.2
Sn	118	115	He	38765.71	0.9
Sb	121	115	He	49358.10	0.9
Ba	137	159	He	16606.45	2.2
Tl	205	159	He	442032.24	0.5
(Pb)	206	209	He	141241.83	0.4
(Pb)	207	209	He	124280.83	0.5
Pb	208	209	He	572542.83	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1407987.46	1.4	94.1	70	120	
Sc (ISICPMS)	45	No Gas	9833952.77	1.9	99.0	70	120	
Sc (ISICPMS)	45	H2	2954924.95	1.0	100.7	70	120	
Sc (ISICPMS)	45	He	120778.24	0.4	99.9	70	120	
Ge (IS)	74	H2	600892.85	0.4	97.0	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	67577.97	0.7	97.2	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	142545.43	1.1	98.4	70	120	
Tb (IS)	159	He	720645.23	0.4	100.2	70	120	
Bi (IS)	209	He	567870.23	0.5	97.7	70	120	

Calibration Standard

File Name 009CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:14:19

Sample Name **IC Cal-5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	198666.81	1.7
B	11	6	No Gas	364503.05	2.3
Na	23	45	He	4952879.79	0.9
Mg	24	45	He	2269183.08	0.6
Al	27	45	He	584268.29	0.5
K	39	45	He	1606829.54	0.7
Ca	40	45	H2	92557560.84	1.2
Ti	47	45	No Gas	208212.45	1.3
V	51	74	He	135151.26	1.2
Cr	52	74	He	184395.20	0.8
Mn	55	74	He	65186.54	0.9
Fe	56	74	H2	203782261.41	0.7
Co	59	74	He	308000.21	1.0
Ni	60	74	He	84862.81	0.6
Cu	63	74	He	234241.52	0.6
Zn	66	74	He	65837.27	1.0
As	75	74	He	18157.89	0.8
Se	78	74	H2	31664.06	0.9
Sr	88	115	He	62928.94	0.2
Mo	95	115	He	110848.92	0.3
Ag	107	115	He	191209.59	1.2
Cd	111	115	He	40305.08	0.9
Sn	118	115	He	75027.61	0.7
Sb	121	115	He	95713.31	0.8
Ba	137	159	He	32988.42	1.1
Tl	205	159	He	869172.43	0.9
(Pb)	206	209	He	278448.21	0.6
(Pb)	207	209	He	244829.34	0.3
Pb	208	209	He	1125961.78	0.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1422582.97	1.4	95.1	70	120	
Sc (ISICPMS)	45	No Gas	9953123.53	1.2	100.2	70	120	
Sc (ISICPMS)	45	H2	2915446.31	0.5	99.4	70	120	
Sc (ISICPMS)	45	He	119249.60	0.4	98.6	70	120	
Ge (IS)	74	H2	592014.88	0.9	95.5	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	66787.81	0.4	96.1	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	141151.44	0.7	97.5	70	120	
Tb (IS)	159	He	714923.53	0.6	99.4	70	120	
Bi (IS)	209	He	558362.50	0.4	96.0	70	120	

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:16:52

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	77.917	ug/l	0.8	80	72	88	
B	11	6	No Gas	207.793	ug/l	0.4	200	180	220	
Na	23	45	He	20419.201	ug/l	0.9	20000	18000	22000	
Mg	24	45	He	20174.822	ug/l	0.7	20000	18000	22000	
Al	27	45	He	19988.692	ug/l	1.7	20000	18000	22000	
K	39	45	He	19923.114	ug/l	0.6	20000	18000	22000	
Ca	40	45	H2	20088.821	ug/l	0.1	20000	18000	22000	
Ti	47	45	No Gas	79.785	ug/l	0.8	80	72	88	
V	51	74	He	79.704	ug/l	1.8	80	72	88	
Cr	52	74	He	79.376	ug/l	1.4	80	72	88	
Mn	55	74	He	81.413	ug/l	1.5	80	72	88	
Fe	56	74	H2	19680.023	ug/l	2.5	20000	18000	22000	
Co	59	74	He	80.635	ug/l	1.0	80	72	88	
Ni	60	74	He	80.491	ug/l	2.1	80	72	88	
Cu	63	74	He	81.111	ug/l	0.6	80	72	88	
Zn	66	74	He	204.334	ug/l	0.5	200	180	220	
As	75	74	He	79.211	ug/l	3.5	80	72	88	
Se	78	74	H2	80.854	ug/l	1.8	80	72	88	
Sr	88	115	He	79.626	ug/l	0.7	80	72	88	
Mo	95	115	He	79.742	ug/l	1.1	80	72	88	
Ag	107	115	He	40.587	ug/l	0.4	40	36	44	
Cd	111	115	He	82.655	ug/l	0.6	80	72	88	
Sn	118	115	He	79.577	ug/l	0.5	80	72	88	
Sb	121	115	He	80.089	ug/l	0.9	80	72	88	
Ba	137	159	He	80.809	ug/l	0.1	80	72	88	
Tl	205	159	He	80.398	ug/l	0.1	80	72	88	
(Pb)	206	209	He	79.644	ug/l	0.3				
(Pb)	207	209	He	79.221	ug/l	0.4				
Pb	208	209	He	79.508	ug/l	0.1	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1330534.08	1.4	88.9	70	120	
Sc (ISICPMS)	45	No Gas	9761925.62	1.1	98.3	70	120	
Sc (ISICPMS)	45	H2	2878735.24	0.2	98.1	70	120	
Sc (ISICPMS)	45	He	118850.98	1.1	98.3	70	120	
Ge (IS)	74	H2	593237.89	0.9	95.7	70	120	
Ge (IS)	74	He	66672.80	0.7	95.9	70	120	

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	10.01	100.0				
In-1	115	He	142415.71	0.4	98.3	70	120	
Tb (IS)	159	He	717254.28	0.6	99.7	70	120	
Bi (IS)	209	He	569925.96	1.0	98.0	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:19:13

Sample Name **ICB**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.030	ug/l	29.3	0.8	-0.4	0.4	
B	11	6	No Gas	2.517	ug/l	13.5	80	-40	40	
Na	23	45	He	14.059	ug/l	16.1	500	-250	250	
Mg	24	45	He	4.109	ug/l	24.8	200	-100	100	
Al	27	45	He	3.470	ug/l	52.4	40	-20	20	
K	39	45	He	-9.445	ug/l	N/A	200	-100	100	
Ca	40	45	H2	4.916	ug/l	11.4	500	-250	250	
Ti	47	45	No Gas	0.039	ug/l	269.7	4	-2	2	
V	51	74	He	-0.293	ug/l	N/A	4	-2	2	
Cr	52	74	He	0.183	ug/l	115.0	4	-2	2	
Mn	55	74	He	0.087	ug/l	32.8	8	-4	4	
Fe	56	74	H2	6.021	ug/l	8.0	120	-60	60	
Co	59	74	He	0.012	ug/l	48.5	4	-2	2	
Ni	60	74	He	0.049	ug/l	73.0	4	-2	2	
Cu	63	74	He	0.024	ug/l	230.1	4	-2	2	
Zn	66	74	He	0.988	ug/l	21.6	16	-8	8	
As	75	74	He	0.045	ug/l	397.0	2	-1	1	
Se	78	74	H2	0.187	ug/l	68.5	2.5	-1.25	1.25	
Sr	88	115	He	-0.003	ug/l	N/A	4	-2	2	
Mo	95	115	He	0.181	ug/l	28.6	4	-2	2	
Ag	107	115	He	0.014	ug/l	30.0	2	-1	1	
Cd	111	115	He	0.022	ug/l	40.1	2	-1	1	
Sn	118	115	He	-0.070	ug/l	N/A	16	-8	8	
Sb	121	115	He	-0.023	ug/l	N/A	2	-1	1	
Ba	137	159	He	0.015	ug/l	87.5	4	-2	2	
Tl	205	159	He	0.050	ug/l	6.4	0.8	-0.4	0.4	
(Pb)	206	209	He	-0.002	ug/l	N/A				
(Pb)	207	209	He	0.008	ug/l	141.4				
Pb	208	209	He	0.009	ug/l	67.8	1.2	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1308931.04	0.7	87.5	70	120	
Sc (ISICPMS)	45	No Gas	9710553.26	0.6	97.8	70	120	
Sc (ISICPMS)	45	H2	2875574.44	0.2	98.0	70	120	
Sc (ISICPMS)	45	He	117044.52	0.9	96.8	70	120	
Ge (IS)	74	H2	594631.43	0.8	96.0	70	120	
Ge (IS)	74	He	65975.30	0.5	94.9	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	141095.14	1.3	97.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	710513.77	1.1	98.8	70	120	
Bi (IS)	209	He	574646.76	0.9	98.8	70	120	

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:21:37

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.005	ug/l	170.9	0.8	0.4	1.2	fail 200.8
B	11	6	No Gas	-0.558	ug/l	N/A	80	40	120	fail 200.8
Na	23	45	He	-84.510	ug/l	N/A	200	100	300	fail 200.8
Mg	24	45	He	6.399	ug/l	48.8	200	100	300	fail 200.8
Al	27	45	He	2.781	ug/l	43.7	40	20	60	fail 200.8
K	39	45	He	-110.656	ug/l	N/A	200	100	300	fail 200.8
Ca	40	45	H2	-13.875	ug/l	N/A	200	100	300	fail 200.8
Ti	47	45	No Gas	-0.729	ug/l	N/A	4	2	6	fail 200.8
V	51	74	He	-0.463	ug/l	N/A	4	2	6	fail 200.8
Cr	52	74	He	-1.528	ug/l	N/A	4	2	6	fail 200.8
Mn	55	74	He	0.178	ug/l	110.0	8	4	12	fail 200.8
Fe	56	74	H2	-6.299	ug/l	N/A	120	60	180	fail 200.8
Co	59	74	He	0.128	ug/l	35.3	4	2	6	fail 200.8
Ni	60	74	He	-0.164	ug/l	N/A	4	2	6	fail 200.8
Cu	63	74	He	0.062	ug/l	166.8	4	2	6	fail 200.8
Zn	66	74	He	0.762	ug/l	22.2	16	8	24	fail 200.8
As	75	74	He	-0.084	ug/l	N/A	2	1	3	fail 200.8
Se	78	74	H2	0.003	ug/l	3612.1	2.5	1.25	3.75	fail 200.8
Sr	88	115	He	0.056	ug/l	85.3	4	2	6	fail 200.8
Mo	95	115	He	0.079	ug/l	79.3	4	2	6	fail 200.8
Ag	107	115	He	0.065	ug/l	22.2	2	1	3	fail 200.8
Cd	111	115	He	0.069	ug/l	70.1	2	1	3	fail 200.8
Sn	118	115	He	-0.467	ug/l	N/A	16	8	24	fail 200.8
Sb	121	115	He	-0.001	ug/l	N/A	2	1	3	fail 200.8
Ba	137	159	He	0.106	ug/l	99.3	4	2	6	fail 200.8
Tl	205	159	He	0.047	ug/l	22.4	0.8	0.4	1.2	fail 200.8
(Pb)	206	209	He	0.002	ug/l	1132.3				
(Pb)	207	209	He	0.020	ug/l	113.5				
Pb	208	209	He	0.008	ug/l	127.8	1.2	0.6	1.8	fail 200.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1512603.90	2.2	101.1	70	120	
Sc (ISICPMS)	45	No Gas	10897017.96	0.5	109.7	70	120	
Sc (ISICPMS)	45	H2	3497466.17	1.1	119.2	70	120	
Sc (ISICPMS)	45	He	150033.95	2.1	124.1	70	120	fail
Ge (IS)	74	H2	696972.57	1.1	112.5	70	120	
Ge (IS)	74	He	82247.43	1.3	118.4	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2				
In-1	115	He	181768.64	1.4	125.5	70	120	fail
Tb (IS)	159	He	902476.90	2.1	125.4	70	120	fail
Bi (IS)	209	He	725941.79	2.3	124.9	70	120	fail

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:24:00

Sample Name **ICSA 11557418**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.020	ug/l	33.3	0.8	-1.6	1.6	
B	11	6	No Gas	0.439	ug/l	84.7	80	-160	160	
Na	23	45	He	99779.974	ug/l	0.9	100000	80000	120000	
Mg	24	45	He	99831.335	ug/l	0.5	100000	80000	120000	
Al	27	45	He	100071.414	ug/l	0.6	100000	80000	120000	
K	39	45	He	100211.404	ug/l	0.3	100000	80000	120000	
Ca	40	45	H2	102024.137	ug/l	0.2	100000	80000	120000	
Ti	47	45	No Gas	2129.324	ug/l	1.6	2000	1600	2400	
V	51	74	He	-0.311	ug/l	N/A	4	-8	8	
Cr	52	74	He	0.592	ug/l	7.9	4	-8	8	
Mn	55	74	He	0.840	ug/l	8.9	8	-16	16	
Fe	56	74	H2	101794.317	ug/l	1.3	100000	80000	120000	
Co	59	74	He	0.364	ug/l	16.2	4	-8	8	
Ni	60	74	He	0.442	ug/l	34.7	4	-8	8	
Cu	63	74	He	0.323	ug/l	4.8	4	-8	8	
Zn	66	74	He	2.150	ug/l	40.8	16	-32	32	
As	75	74	He	0.101	ug/l	70.7	2	-4	4	
Se	78	74	H2	0.174	ug/l	66.1	2.5	-5	5	
Sr	88	115	He	0.816	ug/l	21.9	4	-8	8	
Mo	95	115	He	2065.768	ug/l	1.2	2000	-4000	4000	
Ag	107	115	He	0.039	ug/l	15.4	2	-4	4	
Cd	111	115	He	0.260	ug/l	15.7	2	-4	4	
Sn	118	115	He	-0.534	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.198	ug/l	15.4	2	-4	4	
Ba	137	159	He	0.747	ug/l	20.0	4	-8	8	
Tl	205	159	He	0.030	ug/l	18.6	0.8	-1.6	1.6	
(Pb)	206	209	He	0.146	ug/l	4.7				
(Pb)	207	209	He	0.125	ug/l	14.3				
Pb	208	209	He	0.133	ug/l	9.8	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1267864.44	0.7	84.8	70	120	
Sc (ISICPMS)	45	No Gas	9603960.48	0.6	96.7	70	120	
Sc (ISICPMS)	45	H2	2865288.85	0.3	97.7	70	120	
Sc (ISICPMS)	45	He	117006.91	1.1	96.8	70	120	
Ge (IS)	74	H2	576502.29	0.9	93.0	70	120	
Ge (IS)	74	He	65014.44	1.7	93.6	70	120	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	137830.47	0.8	95.2	70	120	
Tb (IS)	159	He	705859.32	0.2	98.1	70	120	
Bi (IS)	209	He	541066.68	0.3	93.1	70	120	

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:26:24

Sample Name **ICSAB 11557420**

Comment ---

Dilution 1.0000

Multiquant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	188.005	ug/l	1.2	200	160	240	
B	11	6	No Gas	0.356	ug/l	79.2				
Na	23	45	He	100577.626	ug/l	1.3	100000	80000	120000	
Mg	24	45	He	101366.774	ug/l	0.7	100000	80000	120000	
Al	27	45	He	101069.244	ug/l	0.9	100000	80000	120000	
K	39	45	He	101912.421	ug/l	0.2	100000	80000	120000	
Ca	40	45	H2	103450.317	ug/l	2.1	100000	80000	120000	
Ti	47	45	No Gas	2099.839	ug/l	1.7	2000	1600	2400	
V	51	74	He	208.541	ug/l	1.2	200	160	240	
Cr	52	74	He	206.043	ug/l	0.5	200	160	240	
Mn	55	74	He	199.416	ug/l	0.6	200	160	240	
Fe	56	74	H2	102474.337	ug/l	3.2	100000	80000	120000	
Co	59	74	He	207.260	ug/l	0.8	200	160	240	
Ni	60	74	He	206.928	ug/l	1.5	200	160	240	
Cu	63	74	He	204.978	ug/l	0.5	200	160	240	
Zn	66	74	He	207.131	ug/l	2.6	200	160	240	
As	75	74	He	204.043	ug/l	1.1	200	160	240	
Se	78	74	H2	207.615	ug/l	2.9	200	160	240	
Sr	88	115	He	208.197	ug/l	2.3	200	160	240	
Mo	95	115	He	2073.404	ug/l	1.5	2000	1600	2400	
Ag	107	115	He	199.861	ug/l	0.9	200	160	240	
Cd	111	115	He	206.883	ug/l	1.5	200	160	240	
Sn	118	115	He	206.335	ug/l	0.4	200	160	240	
Sb	121	115	He	104.701	ug/l	1.4	100	80	120	
Ba	137	159	He	212.351	ug/l	0.9	200	160	240	
Tl	205	159	He	103.900	ug/l	0.3	100	80	120	
(Pb)	206	209	He	211.289	ug/l	0.6				
(Pb)	207	209	He	209.636	ug/l	0.4				
Pb	208	209	He	210.307	ug/l	0.4	200	160	240	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1201732.82	0.7	80.3	70	120	
Sc (ISICPMS)	45	No Gas	9521986.39	0.9	95.9	70	120	
Sc (ISICPMS)	45	H2	2823162.70	1.3	96.2	70	120	
Sc (ISICPMS)	45	He	115725.11	0.8	95.7	70	120	
Ge (IS)	74	H2	570161.72	1.8	92.0	70	120	
Ge (IS)	74	He	64668.54	0.9	93.1	70	120	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	10.01	100.0				
In-1	115	He	139003.51	0.7	96.0	70	120	
Tb (IS)	159	He	702219.15	0.4	97.6	70	120	
Bi (IS)	209	He	542284.83	0.8	93.3	70	120	

Linear Range Check (LRC)

File Name 015LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:28:46

Sample Name **LRC 11546145**

Comment LR-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	1935.407	ug/l	1.2	2000	1800	2200	
B	11	6	No Gas	-1.481	ug/l	N/A				
Na	23	45	He	-29.299	ug/l	N/A				
Mg	24	45	He	16.011	ug/l	7.8				
Al	27	45	He	17.732	ug/l	12.5				
K	39	45	He	18.804	ug/l	108.1				
Ca	40	45	H2	22.704	ug/l	2.5				
Ti	47	45	No Gas	1.140	ug/l	5.3				
V	51	74	He	5188.720	ug/l	0.9	5000	4500	5500	
Cr	52	74	He	19614.523	ug/l	2.1	20000	18000	22000	
Mn	55	74	He	19132.205	ug/l	1.8	20000	18000	22000	
Fe	56	74	H2	19.590	ug/l	5.1				
Co	59	74	He	2086.563	ug/l	1.1	2000	1800	2200	
Ni	60	74	He	20241.956	ug/l	0.7	20000	18000	22000	
Cu	63	74	He	20179.468	ug/l	0.5	20000	18000	22000	
Zn	66	74	He	20485.126	ug/l	0.5	20000	18000	22000	
As	75	74	He	5234.246	ug/l	0.3	5000	4500	5500	
Se	78	74	H2	0.285	ug/l	27.3				
Sr	88	115	He	4997.219	ug/l	0.7	5000	4500	5500	
Mo	95	115	He	2012.719	ug/l	1.2	2000	1800	2200	
Ag	107	115	He	0.059	ug/l	3.7				
Cd	111	115	He	5116.415	ug/l	0.3	5000	4500	5500	
Sn	118	115	He	-0.596	ug/l	N/A				
Sb	121	115	He	0.141	ug/l	2.2				
Ba	137	159	He	20082.770	ug/l	0.3	20000	18000	22000	
Tl	205	159	He	1013.213	ug/l	0.6	1000	900	1100	
(Pb)	206	209	He	19008.800	ug/l	1.1				
(Pb)	207	209	He	19041.076	ug/l	1.4				
Pb	208	209	He	19064.944	ug/l	0.4	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1225230.06	1.7	81.9	70	120	
Sc (ISICPMS)	45	No Gas	9596468.26	0.7	96.6	70	120	
Sc (ISICPMS)	45	H2	2825912.39	0.4	96.3	70	120	
Sc (ISICPMS)	45	He	116154.42	0.7	96.1	70	120	
Ge (IS)	74	H2	572177.58	0.7	92.3	70	120	
Ge (IS)	74	He	65290.08	1.0	94.0	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	144339.96	0.5	99.7	70	120	
Tb (IS)	159	He	721795.45	0.5	100.3	70	120	
Bi (IS)	209	He	584358.12	0.4	100.5	70	120	

CRQL Check Standard (CRI)

File Name 017_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:33:59

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.729	ug/l	5.3	0.8	0.4	1.2	
B	11	6	No Gas	80.503	ug/l	0.9	80	40	120	
Na	23	45	He	187.640	ug/l	3.1	200	100	300	
Mg	24	45	He	218.769	ug/l	1.6	200	100	300	
Al	27	45	He	60.757	ug/l	6.7	40	20	60	fail 200.8
K	39	45	He	235.074	ug/l	5.5	200	100	300	
Ca	40	45	H2	211.744	ug/l	1.7	200	100	300	
Ti	47	45	No Gas	3.955	ug/l	4.7	4	2	6	
V	51	74	He	3.591	ug/l	3.4	4	2	6	
Cr	52	74	He	4.120	ug/l	3.0	4	2	6	
Mn	55	74	He	8.590	ug/l	3.2	8	4	12	
Fe	56	74	H2	154.471	ug/l	2.5	120	60	180	
Co	59	74	He	4.202	ug/l	1.2	4	2	6	
Ni	60	74	He	4.316	ug/l	4.7	4	2	6	
Cu	63	74	He	5.024	ug/l	3.0	4	2	6	
Zn	66	74	He	18.391	ug/l	5.3	16	8	24	
As	75	74	He	2.299	ug/l	2.3	2	1	3	
Se	78	74	H2	2.415	ug/l	10.1	2.5	1.25	3.75	
Sr	88	115	He	3.907	ug/l	5.8	4	2	6	
Mo	95	115	He	4.732	ug/l	4.5	4	2	6	
Ag	107	115	He	1.949	ug/l	3.8	2	1	3	
Cd	111	115	He	2.075	ug/l	7.4	2	1	3	
Sn	118	115	He	15.399	ug/l	4.8	16	8	24	
Sb	121	115	He	1.937	ug/l	1.9	2	1	3	
Ba	137	159	He	4.739	ug/l	13.9	4	2	6	
Tl	205	159	He	0.897	ug/l	1.7	0.8	0.4	1.2	
(Pb)	206	209	He	1.658	ug/l	3.0				
(Pb)	207	209	He	1.584	ug/l	6.1				
Pb	208	209	He	1.654	ug/l	0.9	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1102587.32	0.3	73.7	70	120	
Sc (ISICPMS)	45	No Gas	9494512.29	2.3	95.6	70	120	
Sc (ISICPMS)	45	H2	2864759.68	0.7	97.6	70	120	
Sc (ISICPMS)	45	He	115730.17	0.6	95.7	70	120	
Ge (IS)	74	H2	575804.22	0.9	92.9	70	120	
Ge (IS)	74	He	64661.81	2.4	93.1	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	143657.86	0.7	99.2	70	120	
Tb (IS)	159	He	711033.95	0.3	98.8	70	120	
Bi (IS)	209	He	571476.74	0.2	98.3	70	120	

Linear Range Check (LRC)

File Name 019LRCC.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:38:46

Sample Name **LRC 11546148**

Comment LR-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.086	ug/l	14.7				
B	11	6	No Gas	2129.954	ug/l	0.2	2000	1800	2200	
Na	23	45	He	-21.357	ug/l	N/A				
Mg	24	45	He	96.286	ug/l	2.6				
Al	27	45	He	35.778	ug/l	4.8				
K	39	45	He	41.747	ug/l	31.8				
Ca	40	45	H2	998762.093	ug/l	0.4	1000000	900000	1100000	
Ti	47	45	No Gas	10343.908	ug/l	1.4	10000	9000	11000	
V	51	74	He	-0.615	ug/l	N/A				
Cr	52	74	He	-0.031	ug/l	N/A				
Mn	55	74	He	1.156	ug/l	5.1				
Fe	56	74	H2	36.895	ug/l	2.3				
Co	59	74	He	0.423	ug/l	3.6				
Ni	60	74	He	1.974	ug/l	5.3				
Cu	63	74	He	1.768	ug/l	6.3				
Zn	66	74	He	3.308	ug/l	6.4				
As	75	74	He	0.527	ug/l	23.1				
Se	78	74	H2	3039.136	ug/l	1.6	3000	2700	3300	
Sr	88	115	He	21.157	ug/l	2.2				
Mo	95	115	He	0.528	ug/l	17.3				
Ag	107	115	He	971.798	ug/l	0.7	1000	900	1100	
Cd	111	115	He	0.178	ug/l	47.9				
Sn	118	115	He	2056.315	ug/l	1.1	2000	1800	2200	
Sb	121	115	He	1031.521	ug/l	1.1	1000	900	1100	
Ba	137	159	He	1.671	ug/l	4.5				
Tl	205	159	He	0.133	ug/l	13.5				
(Pb)	206	209	He	0.895	ug/l	3.2				
(Pb)	207	209	He	0.807	ug/l	5.9				
Pb	208	209	He	0.850	ug/l	4.6				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1094978.06	1.3	73.2	70	120	
Sc (ISICPMS)	45	No Gas	9201120.28	1.5	92.6	70	120	
Sc (ISICPMS)	45	H2	2829387.56	1.4	96.4	70	120	
Sc (ISICPMS)	45	He	114872.64	1.2	95.0	70	120	
Ge (IS)	74	H2	566418.49	0.5	91.4	70	120	
Ge (IS)	74	He	62652.14	0.3	90.2	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	140216.84	0.6	96.8	70	120	
Tb (IS)	159	He	699295.32	1.9	97.2	70	120	
Bi (IS)	209	He	536222.51	1.1	92.2	70	120	

Linear Range Check (LRC)

File Name 020LRCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:46:29

Sample Name **LRC 11518844**

Comment LR-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.025	ug/l	43.7				
B	11	6	No Gas	0.821	ug/l	36.3				
Na	23	45	He	476851.309	ug/l	0.5	500000	450000	550000	
Mg	24	45	He	464995.782	ug/l	0.5	500000	450000	550000	
Al	27	45	He	475881.839	ug/l	0.2	500000	450000	550000	
K	39	45	He	468878.835	ug/l	0.8	500000	450000	550000	
Ca	40	45	H2	95.770	ug/l	1.5				
Ti	47	45	No Gas	2.050	ug/l	3.9				
V	51	74	He	-0.168	ug/l	N/A				
Cr	52	74	He	3.307	ug/l	6.7				
Mn	55	74	He	4.794	ug/l	3.2				
Fe	56	74	H2	502495.391	ug/l	2.1	500000	450000	550000	
Co	59	74	He	1.897	ug/l	4.0				
Ni	60	74	He	2.225	ug/l	1.1				
Cu	63	74	He	0.901	ug/l	3.2				
Zn	66	74	He	5.039	ug/l	4.0				
As	75	74	He	0.176	ug/l	83.9				
Se	78	74	H2	0.390	ug/l	40.0				
Sr	88	115	He	0.717	ug/l	7.9				
Mo	95	115	He	0.684	ug/l	7.4				
Ag	107	115	He	0.128	ug/l	9.5				
Cd	111	115	He	0.066	ug/l	41.4				
Sn	118	115	He	-0.518	ug/l	N/A				
Sb	121	115	He	1.119	ug/l	9.2				
Ba	137	159	He	13.272	ug/l	2.3				
Tl	205	159	He	0.148	ug/l	2.9				
(Pb)	206	209	He	1.194	ug/l	3.2				
(Pb)	207	209	He	1.129	ug/l	5.7				
Pb	208	209	He	1.195	ug/l	1.0				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1223738.43	1.6	81.8	70	120	
Sc (ISICPMS)	45	No Gas	9364674.17	2.0	94.3	70	120	
Sc (ISICPMS)	45	H2	2779060.48	1.0	94.7	70	120	
Sc (ISICPMS)	45	He	118807.68	0.3	98.2	70	120	
Ge (IS)	74	H2	534845.04	1.1	86.3	70	120	
Ge (IS)	74	He	61960.30	0.8	89.2	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2				
In-1	115	He	132560.83	0.7	91.5	70	120	
Tb (IS)	159	He	681788.44	0.6	94.8	70	120	
Bi (IS)	209	He	501639.31	1.1	86.3	70	120	

Sample Report

File Name 021SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:48:49

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.005	ug/l	81.6	1800	
B	11	6	No Gas	-2.612	ug/l	N/A	1800	
Na	23	45	He	-9.431	ug/l	N/A	450000	
Mg	24	45	He	28.042	ug/l	7.5	450000	
Al	27	45	He	24.888	ug/l	17.5	450000	
K	39	45	He	31.154	ug/l	62.2	450000	
Ca	40	45	H2	3.668	ug/l	13.3	900000	
Ti	47	45	No Gas	0.227	ug/l	9.5	9000	
V	51	74	He	-0.490	ug/l	N/A	4500	
Cr	52	74	He	-0.284	ug/l	N/A	18000	
Mn	55	74	He	0.036	ug/l	51.9	18000	
Fe	56	74	H2	33.962	ug/l	0.5	450000	
Co	59	74	He	0.003	ug/l	211.9	1800	
Ni	60	74	He	-0.033	ug/l	N/A	18000	
Cu	63	74	He	0.191	ug/l	21.4	18000	
Zn	66	74	He	1.393	ug/l	32.9	18000	
As	75	74	He	-0.052	ug/l	N/A	4500	
Se	78	74	H2	0.171	ug/l	42.5	2700	
Sr	88	115	He	0.024	ug/l	223.3	4500	
Mo	95	115	He	0.087	ug/l	83.3	1800	
Ag	107	115	He	0.012	ug/l	8.9	900	
Cd	111	115	He	0.011	ug/l	83.1	4500	
Sn	118	115	He	-0.960	ug/l	N/A	1800	
Sb	121	115	He	-0.063	ug/l	N/A	900	
Ba	137	159	He	0.078	ug/l	107.5	18000	
Tl	205	159	He	0.012	ug/l	20.4	900	
(Pb)	206	209	He	0.080	ug/l	17.3		
(Pb)	207	209	He	0.046	ug/l	38.9		
Pb	208	209	He	0.076	ug/l	16.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1185215.52	1.2	79.2	70	120	
Sc (ISICPMS)	45	No Gas	9568082.91	1.5	96.3	70	120	
Sc (ISICPMS)	45	H2	2827252.70	0.8	96.4	70	120	
Sc (ISICPMS)	45	He	113914.35	1.3	94.2	70	120	
Ge (IS)	74	H2	567067.72	1.1	91.5	70	120	
Ge (IS)	74	He	62725.59	1.6	90.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141979.58	0.9	98.0	70	120	
Tb (IS)	159	He	704285.50	0.3	97.9	70	120	
Bi (IS)	209	He	566751.71	1.1	97.5	70	120	

Continuing Calibration Verification (CCV)

File Name 023_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:53:35

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	89.192	ug/l	4.4	100	90	110	failed
B	11	6	No Gas	266.785	ug/l	0.5	250	225	275	
Na	23	45	He	25457.738	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25072.912	ug/l	2.1	25000	22500	27500	
Al	27	45	He	24565.466	ug/l	1.4	25000	22500	27500	
K	39	45	He	24872.977	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	24859.139	ug/l	1.4	25000	22500	27500	
Ti	47	45	No Gas	99.587	ug/l	3.1	100	90	110	
V	51	74	He	100.734	ug/l	1.0	100	90	110	
Cr	52	74	He	100.819	ug/l	0.6	100	90	110	
Mn	55	74	He	99.528	ug/l	1.8	100	90	110	
Fe	56	74	H2	25746.619	ug/l	0.8	25000	22500	27500	
Co	59	74	He	101.769	ug/l	0.9	100	90	110	
Ni	60	74	He	101.827	ug/l	0.8	100	90	110	
Cu	63	74	He	101.554	ug/l	0.5	100	90	110	
Zn	66	74	He	253.901	ug/l	0.8	250	225	275	
As	75	74	He	99.455	ug/l	1.5	100	90	110	
Se	78	74	H2	101.293	ug/l	2.1	100	90	110	
Sr	88	115	He	98.772	ug/l	1.3	100	90	110	
Mo	95	115	He	99.595	ug/l	0.7	100	90	110	
Ag	107	115	He	49.733	ug/l	1.8	50	45	55	
Cd	111	115	He	100.735	ug/l	1.2	100	90	110	
Sn	118	115	He	99.929	ug/l	1.2	100	90	110	
Sb	121	115	He	100.064	ug/l	1.0	100	90	110	
Ba	137	159	He	100.578	ug/l	1.9	100	90	110	
Tl	205	159	He	101.172	ug/l	0.9	100	90	110	
(Pb)	206	209	He	100.158	ug/l	0.9				
(Pb)	207	209	He	100.162	ug/l	0.8				
Pb	208	209	He	100.076	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1068649.02	1.5	71.4	70	120	
Sc (ISICPMS)	45	No Gas	9247114.86	3.2	93.1	70	120	
Sc (ISICPMS)	45	H2	2758896.18	1.5	94.0	70	120	
Sc (ISICPMS)	45	He	111845.49	0.9	92.5	70	120	
Ge (IS)	74	H2	548963.12	1.4	88.6	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	62311.89	1.3	89.7	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	137463.67	0.6	94.9	70	120	
Tb (IS)	159	He	690655.24	0.5	96.0	70	120	
Bi (IS)	209	He	545991.58	0.6	93.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 024_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:55:58

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.006	ug/l	199.2	0.8	-0.8	0.8	
B	11	6	No Gas	-1.953	ug/l	N/A	80	-80	80	
Na	23	45	He	13.907	ug/l	39.6	500	-500	500	
Mg	24	45	He	5.735	ug/l	28.2	200	-200	200	
Al	27	45	He	0.289	ug/l	1097.5	40	-40	40	
K	39	45	He	29.308	ug/l	46.1	200	-200	200	
Ca	40	45	H2	3.581	ug/l	24.7	500	-500	500	
Ti	47	45	No Gas	0.363	ug/l	4.4	4	-4	4	
V	51	74	He	0.018	ug/l	543.9	4	-4	4	
Cr	52	74	He	0.262	ug/l	64.4	4	-4	4	
Mn	55	74	He	0.026	ug/l	335.2	8	-8	8	
Fe	56	74	H2	7.723	ug/l	2.9	120	-120	120	
Co	59	74	He	0.009	ug/l	78.3	4	-4	4	
Ni	60	74	He	0.154	ug/l	31.3	4	-4	4	
Cu	63	74	He	0.085	ug/l	35.7	4	-4	4	
Zn	66	74	He	0.668	ug/l	57.6	16	-16	16	
As	75	74	He	-0.016	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.178	ug/l	65.1	2.5	-2.5	2.5	
Sr	88	115	He	0.024	ug/l	324.7	4	-4	4	
Mo	95	115	He	0.139	ug/l	21.4	4	-4	4	
Ag	107	115	He	0.006	ug/l	27.7	2	-2	2	
Cd	111	115	He	0.001	ug/l	1513.6	2	-2	2	
Sn	118	115	He	-0.175	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.012	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.069	ug/l	62.3	4	-4	4	
Tl	205	159	He	0.027	ug/l	13.2	0.8	-0.8	0.8	
(Pb)	206	209	He	0.062	ug/l	13.6				
(Pb)	207	209	He	0.064	ug/l	34.6				
Pb	208	209	He	0.059	ug/l	10.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1038077.69	0.9	69.4	70	120	fail
Sc (ISICPMS)	45	No Gas	8969333.27	1.6	90.3	70	120	
Sc (ISICPMS)	45	H2	2720094.18	1.2	92.7	70	120	
Sc (ISICPMS)	45	He	109980.04	0.8	90.9	70	120	
Ge (IS)	74	H2	551478.17	0.5	89.0	70	120	
Ge (IS)	74	He	60693.02	0.7	87.3	70	120	
Kr	83	He	6.67	86.6				
In-1	115	He	135529.71	0.5	93.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	683054.49	0.6	94.9	70	120	
Bi (IS)	209	He	553895.93	1.0	95.3	70	120	

Sample Report

File Name 025SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:15:10

Sample Name **MB 460-965324/1-A**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	26.7	1800	
B	11	6	No Gas	-5.671	ug/l	N/A	1800	
Na	23	45	He	-65.420	ug/l	N/A	450000	
Mg	24	45	He	0.134	ug/l	226.5	450000	
Al	27	45	He	-5.076	ug/l	N/A	450000	
K	39	45	He	2.818	ug/l	896.3	450000	
Ca	40	45	H2	-9.697	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.643	ug/l	N/A	9000	
V	51	74	He	-0.386	ug/l	N/A	4500	
Cr	52	74	He	-0.162	ug/l	N/A	18000	
Mn	55	74	He	0.007	ug/l	1261.9	18000	
Fe	56	74	H2	-4.578	ug/l	N/A	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	-0.156	ug/l	N/A	18000	
Cu	63	74	He	0.031	ug/l	124.8	18000	
Zn	66	74	He	1.317	ug/l	8.2	18000	
As	75	74	He	-0.177	ug/l	N/A	4500	
Se	78	74	H2	0.036	ug/l	100.4	2700	
Sr	88	115	He	0.016	ug/l	105.4	4500	
Mo	95	115	He	-0.008	ug/l	N/A	1800	
Ag	107	115	He	0.004	ug/l	96.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.929	ug/l	N/A	1800	
Sb	121	115	He	-0.051	ug/l	N/A	900	
Ba	137	159	He	-0.001	ug/l	N/A	18000	
Tl	205	159	He	0.004	ug/l	31.7	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1117823.36	1.8	74.7	70	120	
Sc (ISICPMS)	45	No Gas	9377598.68	0.4	94.4	70	120	
Sc (ISICPMS)	45	H2	2763705.10	0.3	94.2	70	120	
Sc (ISICPMS)	45	He	111539.40	0.2	92.2	70	120	
Ge (IS)	74	H2	543145.91	0.8	87.7	70	120	
Ge (IS)	74	He	60023.50	0.6	86.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136335.94	0.3	94.1	70	120	
Tb (IS)	159	He	684143.36	1.0	95.1	70	120	
Bi (IS)	209	He	554316.25	0.6	95.3	70	120	

Sample Report

File Name 026SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:17:33

Sample Name **460-300398-E-8-A**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.010	ug/l	57.6	1800	
B	11	6	No Gas	-5.002	ug/l	N/A	1800	
Na	23	45	He	-25.949	ug/l	N/A	450000	
Mg	24	45	He	14.151	ug/l	2.3	450000	
Al	27	45	He	28.010	ug/l	13.3	450000	
K	39	45	He	14.356	ug/l	142.8	450000	
Ca	40	45	H2	195.266	ug/l	2.0	900000	
Ti	47	45	No Gas	1.781	ug/l	2.6	9000	
V	51	74	He	-0.165	ug/l	N/A	4500	
Cr	52	74	He	-0.139	ug/l	N/A	18000	
Mn	55	74	He	0.720	ug/l	11.0	18000	
Fe	56	74	H2	37.580	ug/l	0.6	450000	
Co	59	74	He	0.020	ug/l	22.5	1800	
Ni	60	74	He	1.155	ug/l	17.5	18000	
Cu	63	74	He	0.760	ug/l	14.4	18000	
Zn	66	74	He	2.728	ug/l	23.1	18000	
As	75	74	He	-0.189	ug/l	N/A	4500	
Se	78	74	H2	-0.018	ug/l	N/A	2700	
Sr	88	115	He	0.416	ug/l	23.6	4500	
Mo	95	115	He	0.027	ug/l	168.1	1800	
Ag	107	115	He	0.008	ug/l	22.0	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.756	ug/l	N/A	1800	
Sb	121	115	He	-0.021	ug/l	N/A	900	
Ba	137	159	He	0.326	ug/l	58.1	18000	
Tl	205	159	He	0.003	ug/l	72.9	900	
(Pb)	206	209	He	1.494	ug/l	8.1		
(Pb)	207	209	He	1.545	ug/l	2.5		
Pb	208	209	He	1.556	ug/l	6.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1042034.96	0.7	69.7	70	120	fail
Sc (ISICPMS)	45	No Gas	9074029.03	0.9	91.4	70	120	
Sc (ISICPMS)	45	H2	2724361.14	1.0	92.9	70	120	
Sc (ISICPMS)	45	He	109797.42	1.0	90.8	70	120	
Ge (IS)	74	H2	538136.44	0.9	86.8	70	120	
Ge (IS)	74	He	60174.25	1.9	86.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135117.17	1.8	93.3	70	120	
Tb (IS)	159	He	682184.10	1.6	94.8	70	120	
Bi (IS)	209	He	552923.63	1.7	95.1	70	120	

Sample Report

File Name 027SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:19:56

Sample Name **460-300240-A-13-A**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	13.7	1800	
B	11	6	No Gas	-5.049	ug/l	N/A	1800	
Na	23	45	He	71.182	ug/l	5.7	450000	
Mg	24	45	He	4.120	ug/l	22.1	450000	
Al	27	45	He	4.397	ug/l	47.1	450000	
K	39	45	He	17.071	ug/l	81.8	450000	
Ca	40	45	H2	36.634	ug/l	0.7	900000	
Ti	47	45	No Gas	-0.078	ug/l	N/A	9000	
V	51	74	He	-0.111	ug/l	N/A	4500	
Cr	52	74	He	0.223	ug/l	90.2	18000	
Mn	55	74	He	1.095	ug/l	11.7	18000	
Fe	56	74	H2	67.072	ug/l	0.7	450000	
Co	59	74	He	0.011	ug/l	37.4	1800	
Ni	60	74	He	0.169	ug/l	49.3	18000	
Cu	63	74	He	0.305	ug/l	20.0	18000	
Zn	66	74	He	2.998	ug/l	7.7	18000	
As	75	74	He	-0.149	ug/l	N/A	4500	
Se	78	74	H2	-0.010	ug/l	N/A	2700	
Sr	88	115	He	0.074	ug/l	69.5	4500	
Mo	95	115	He	0.093	ug/l	33.0	1800	
Ag	107	115	He	0.003	ug/l	113.2	900	
Cd	111	115	He	0.001	ug/l	1365.1	4500	
Sn	118	115	He	-0.628	ug/l	N/A	1800	
Sb	121	115	He	0.014	ug/l	333.1	900	
Ba	137	159	He	0.143	ug/l	14.1	18000	
Tl	205	159	He	0.003	ug/l	41.2	900	
(Pb)	206	209	He	0.030	ug/l	28.4		
(Pb)	207	209	He	0.010	ug/l	35.4		
Pb	208	209	He	0.022	ug/l	4.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1055180.50	1.0	70.5	70	120	
Sc (ISICPMS)	45	No Gas	8986833.48	0.6	90.5	70	120	
Sc (ISICPMS)	45	H2	2706882.82	0.6	92.3	70	120	
Sc (ISICPMS)	45	He	108992.95	1.0	90.1	70	120	
Ge (IS)	74	H2	537059.50	0.2	86.7	70	120	
Ge (IS)	74	He	60044.58	0.3	86.4	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134400.92	0.6	92.8	70	120	
Tb (IS)	159	He	675938.08	0.8	94.0	70	120	
Bi (IS)	209	He	549032.77	0.7	94.4	70	120	

Sample Report

File Name 028SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:22:18

Sample Name **460-300428-K-12-A**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	22.0	1800	
B	11	6	No Gas	-5.448	ug/l	N/A	1800	
Na	23	45	He	-14.929	ug/l	N/A	450000	
Mg	24	45	He	0.520	ug/l	197.7	450000	
Al	27	45	He	-2.760	ug/l	N/A	450000	
K	39	45	He	23.414	ug/l	78.9	450000	
Ca	40	45	H2	3.427	ug/l	6.3	900000	
Ti	47	45	No Gas	-0.236	ug/l	N/A	9000	
V	51	74	He	-0.184	ug/l	N/A	4500	
Cr	52	74	He	0.056	ug/l	356.6	18000	
Mn	55	74	He	1.150	ug/l	16.3	18000	
Fe	56	74	H2	491.835	ug/l	1.4	450000	
Co	59	74	He	0.003	ug/l	379.0	1800	
Ni	60	74	He	0.117	ug/l	48.2	18000	
Cu	63	74	He	0.804	ug/l	9.9	18000	
Zn	66	74	He	2.008	ug/l	20.2	18000	
As	75	74	He	-0.150	ug/l	N/A	4500	
Se	78	74	H2	0.005	ug/l	448.5	2700	
Sr	88	115	He	0.084	ug/l	81.6	4500	
Mo	95	115	He	0.001	ug/l	7527.1	1800	
Ag	107	115	He	0.004	ug/l	140.3	900	
Cd	111	115	He	0.007	ug/l	144.5	4500	
Sn	118	115	He	-0.839	ug/l	N/A	1800	
Sb	121	115	He	-0.079	ug/l	N/A	900	
Ba	137	159	He	0.042	ug/l	103.1	18000	
Tl	205	159	He	0.002	ug/l	108.6	900	
(Pb)	206	209	He	0.023	ug/l	100.0		
(Pb)	207	209	He	0.024	ug/l	121.1		
Pb	208	209	He	0.019	ug/l	16.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1045172.98	2.7	69.9	70	120	fail
Sc (ISICPMS)	45	No Gas	9003293.62	2.2	90.7	70	120	
Sc (ISICPMS)	45	H2	2712678.74	0.9	92.5	70	120	
Sc (ISICPMS)	45	He	108753.05	0.8	89.9	70	120	
Ge (IS)	74	H2	540362.59	0.8	87.2	70	120	
Ge (IS)	74	He	59877.30	1.6	86.2	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135165.05	0.7	93.3	70	120	
Tb (IS)	159	He	680063.59	1.7	94.5	70	120	
Bi (IS)	209	He	549826.30	0.3	94.6	70	120	

Sample Report

File Name 029SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:24:42

Sample Name **scan 300240-13**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.021	ug/l	44.0	1800	
B	11	6	No Gas	-6.067	ug/l	N/A	1800	
Na	23	45	He	16.402	ug/l	64.4	450000	
Mg	24	45	He	1.813	ug/l	13.7	450000	
Al	27	45	He	-1.746	ug/l	N/A	450000	
K	39	45	He	28.643	ug/l	43.8	450000	
Ca	40	45	H2	14.683	ug/l	3.7	900000	
Ti	47	45	No Gas	-0.631	ug/l	N/A	9000	
V	51	74	He	-0.465	ug/l	N/A	4500	
Cr	52	74	He	-1.149	ug/l	N/A	18000	
Mn	55	74	He	1.026	ug/l	8.2	18000	
Fe	56	74	H2	54.006	ug/l	1.3	450000	
Co	59	74	He	0.005	ug/l	282.5	1800	
Ni	60	74	He	-0.325	ug/l	N/A	18000	
Cu	63	74	He	0.043	ug/l	93.9	18000	
Zn	66	74	He	1.828	ug/l	16.5	18000	
As	75	74	He	-0.097	ug/l	N/A	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	0.008	ug/l	729.4	4500	
Mo	95	115	He	0.031	ug/l	79.3	1800	
Ag	107	115	He	0.000	ug/l	661.7	900	
Cd	111	115	He	0.012	ug/l	165.5	4500	
Sn	118	115	He	-1.148	ug/l	N/A	1800	
Sb	121	115	He	-0.029	ug/l	N/A	900	
Ba	137	159	He	0.054	ug/l	35.7	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.006	ug/l	N/A		
(Pb)	207	209	He	-0.025	ug/l	N/A		
Pb	208	209	He	-0.014	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1073856.11	0.4	71.8	70	120	
Sc (ISICPMS)	45	No Gas	9109539.52	0.8	91.7	70	120	
Sc (ISICPMS)	45	H2	2777044.30	0.6	94.7	70	120	
Sc (ISICPMS)	45	He	111858.89	1.7	92.5	70	120	
Ge (IS)	74	H2	549843.21	0.5	88.7	70	120	
Ge (IS)	74	He	60421.91	1.6	87.0	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	139987.89	0.6	96.7	70	120	
Tb (IS)	159	He	688874.90	1.3	95.8	70	120	
Bi (IS)	209	He	562442.29	0.8	96.7	70	120	

Sample Report

File Name 030SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:28:53

Sample Name **scan 300428-12**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	66.6	1800	
B	11	6	No Gas	-7.109	ug/l	N/A	1800	
Na	23	45	He	-70.387	ug/l	N/A	450000	
Mg	24	45	He	-0.157	ug/l	N/A	450000	
Al	27	45	He	-4.386	ug/l	N/A	450000	
K	39	45	He	9.342	ug/l	70.3	450000	
Ca	40	45	H2	-10.664	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.839	ug/l	N/A	9000	
V	51	74	He	-0.539	ug/l	N/A	4500	
Cr	52	74	He	-1.545	ug/l	N/A	18000	
Mn	55	74	He	-0.059	ug/l	N/A	18000	
Fe	56	74	H2	-6.622	ug/l	N/A	450000	
Co	59	74	He	-0.010	ug/l	N/A	1800	
Ni	60	74	He	-0.233	ug/l	N/A	18000	
Cu	63	74	He	0.262	ug/l	15.8	18000	
Zn	66	74	He	1.164	ug/l	9.9	18000	
As	75	74	He	-0.127	ug/l	N/A	4500	
Se	78	74	H2	0.019	ug/l	370.8	2700	
Sr	88	115	He	0.070	ug/l	64.6	4500	
Mo	95	115	He	-0.060	ug/l	N/A	1800	
Ag	107	115	He	0.001	ug/l	300.9	900	
Cd	111	115	He	0.012	ug/l	216.6	4500	
Sn	118	115	He	-1.336	ug/l	N/A	1800	
Sb	121	115	He	-0.080	ug/l	N/A	900	
Ba	137	159	He	0.012	ug/l	638.9	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.017	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1140216.18	2.0	76.2	70	120	
Sc (ISICPMS)	45	No Gas	9230872.22	0.3	92.9	70	120	
Sc (ISICPMS)	45	H2	2794998.05	0.9	95.3	70	120	
Sc (ISICPMS)	45	He	111816.48	1.0	92.5	70	120	
Ge (IS)	74	H2	550357.23	0.6	88.8	70	120	
Ge (IS)	74	He	61197.13	1.6	88.1	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	139278.92	0.2	96.2	70	120	
Tb (IS)	159	He	689858.43	0.7	95.9	70	120	
Bi (IS)	209	He	563497.32	0.9	96.9	70	120	

Sample Report

File Name 031SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:31:16

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.018	ug/l	68.7	1800	
B	11	6	No Gas	-6.096	ug/l	N/A	1800	
Na	23	45	He	-37.216	ug/l	N/A	450000	
Mg	24	45	He	-0.048	ug/l	N/A	450000	
Al	27	45	He	-4.599	ug/l	N/A	450000	
K	39	45	He	19.991	ug/l	19.0	450000	
Ca	40	45	H2	-2.934	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.344	ug/l	N/A	9000	
V	51	74	He	-0.194	ug/l	N/A	4500	
Cr	52	74	He	-0.181	ug/l	N/A	18000	
Mn	55	74	He	0.074	ug/l	116.8	18000	
Fe	56	74	H2	-3.516	ug/l	N/A	450000	
Co	59	74	He	0.001	ug/l	1674.3	1800	
Ni	60	74	He	-0.097	ug/l	N/A	18000	
Cu	63	74	He	0.042	ug/l	120.5	18000	
Zn	66	74	He	1.033	ug/l	54.1	18000	
As	75	74	He	-0.218	ug/l	N/A	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	0.047	ug/l	85.3	4500	
Mo	95	115	He	-0.045	ug/l	N/A	1800	
Ag	107	115	He	0.003	ug/l	175.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.920	ug/l	N/A	1800	
Sb	121	115	He	-0.065	ug/l	N/A	900	
Ba	137	159	He	0.000	ug/l	80630.2	18000	
Tl	205	159	He	0.013	ug/l	17.0	900	
(Pb)	206	209	He	0.032	ug/l	88.5		
(Pb)	207	209	He	0.026	ug/l	81.2		
Pb	208	209	He	0.024	ug/l	46.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1065432.57	1.2	71.2	70	120	
Sc (ISICPMS)	45	No Gas	9009983.55	0.8	90.7	70	120	
Sc (ISICPMS)	45	H2	2705374.79	0.7	92.2	70	120	
Sc (ISICPMS)	45	He	108169.48	0.7	89.5	70	120	
Ge (IS)	74	H2	539065.86	0.9	87.0	70	120	
Ge (IS)	74	He	59567.22	0.7	85.7	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134883.41	0.5	93.1	70	120	
Tb (IS)	159	He	675653.42	0.8	93.9	70	120	
Bi (IS)	209	He	549249.03	0.4	94.5	70	120	

Sample Report

File Name 032SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:33:40

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	57.8	1800	
B	11	6	No Gas	-5.911	ug/l	N/A	1800	
Na	23	45	He	-40.665	ug/l	N/A	450000	
Mg	24	45	He	0.644	ug/l	106.1	450000	
Al	27	45	He	-6.385	ug/l	N/A	450000	
K	39	45	He	9.156	ug/l	112.7	450000	
Ca	40	45	H2	-3.293	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.350	ug/l	N/A	9000	
V	51	74	He	-0.239	ug/l	N/A	4500	
Cr	52	74	He	-0.236	ug/l	N/A	18000	
Mn	55	74	He	-0.008	ug/l	N/A	18000	
Fe	56	74	H2	-3.441	ug/l	N/A	450000	
Co	59	74	He	-0.002	ug/l	N/A	1800	
Ni	60	74	He	-0.077	ug/l	N/A	18000	
Cu	63	74	He	-0.003	ug/l	N/A	18000	
Zn	66	74	He	0.774	ug/l	66.1	18000	
As	75	74	He	-0.050	ug/l	N/A	4500	
Se	78	74	H2	-0.002	ug/l	N/A	2700	
Sr	88	115	He	-0.008	ug/l	N/A	4500	
Mo	95	115	He	-0.026	ug/l	N/A	1800	
Ag	107	115	He	0.002	ug/l	177.9	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.916	ug/l	N/A	1800	
Sb	121	115	He	-0.055	ug/l	N/A	900	
Ba	137	159	He	0.029	ug/l	306.4	18000	
Tl	205	159	He	0.012	ug/l	16.3	900	
(Pb)	206	209	He	0.024	ug/l	72.7		
(Pb)	207	209	He	0.026	ug/l	16.9		
Pb	208	209	He	0.030	ug/l	14.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1050417.71	1.6	70.2	70	120	
Sc (ISICPMS)	45	No Gas	8916295.28	1.6	89.8	70	120	
Sc (ISICPMS)	45	H2	2683183.74	1.3	91.5	70	120	
Sc (ISICPMS)	45	He	108233.97	1.0	89.5	70	120	
Ge (IS)	74	H2	534259.23	1.0	86.2	70	120	
Ge (IS)	74	He	59281.66	0.9	85.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134695.84	1.7	93.0	70	120	
Tb (IS)	159	He	673748.62	1.1	93.7	70	120	
Bi (IS)	209	He	547103.24	0.3	94.1	70	120	

Continuing Calibration Verification (CCV)

File Name 033_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:36:03

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	89.733	ug/l	3.7	100	90	110	failed
B	11	6	No Gas	253.374	ug/l	0.8	250	225	275	
Na	23	45	He	25530.429	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25111.685	ug/l	1.3	25000	22500	27500	
Al	27	45	He	24691.865	ug/l	1.2	25000	22500	27500	
K	39	45	He	24786.929	ug/l	1.9	25000	22500	27500	
Ca	40	45	H2	25406.873	ug/l	0.1	25000	22500	27500	
Ti	47	45	No Gas	100.088	ug/l	2.8	100	90	110	
V	51	74	He	101.065	ug/l	1.5	100	90	110	
Cr	52	74	He	101.544	ug/l	1.4	100	90	110	
Mn	55	74	He	101.571	ug/l	1.6	100	90	110	
Fe	56	74	H2	26341.775	ug/l	1.5	25000	22500	27500	
Co	59	74	He	103.535	ug/l	1.5	100	90	110	
Ni	60	74	He	102.921	ug/l	2.1	100	90	110	
Cu	63	74	He	103.399	ug/l	1.8	100	90	110	
Zn	66	74	He	257.968	ug/l	2.8	250	225	275	
As	75	74	He	101.982	ug/l	1.7	100	90	110	
Se	78	74	H2	104.459	ug/l	1.4	100	90	110	
Sr	88	115	He	100.082	ug/l	1.2	100	90	110	
Mo	95	115	He	99.345	ug/l	1.3	100	90	110	
Ag	107	115	He	50.359	ug/l	1.4	50	45	55	
Cd	111	115	He	100.146	ug/l	1.9	100	90	110	
Sn	118	115	He	98.541	ug/l	0.7	100	90	110	
Sb	121	115	He	99.954	ug/l	0.6	100	90	110	
Ba	137	159	He	99.356	ug/l	1.1	100	90	110	
Tl	205	159	He	101.931	ug/l	0.9	100	90	110	
(Pb)	206	209	He	101.168	ug/l	0.3				
(Pb)	207	209	He	100.132	ug/l	0.7				
Pb	208	209	He	100.873	ug/l	0.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1060750.25	0.9	70.9	70	120	
Sc (ISICPMS)	45	No Gas	8767841.74	2.3	88.3	70	120	
Sc (ISICPMS)	45	H2	2649103.07	0.9	90.3	70	120	
Sc (ISICPMS)	45	He	106850.04	0.6	88.4	70	120	
Ge (IS)	74	H2	528554.17	1.1	85.3	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	59487.93	1.0	85.6	70	120	
Kr	83	He	6.67	86.6				
In-1	115	He	132334.12	1.1	91.4	70	120	
Tb (IS)	159	He	674950.18	0.3	93.8	70	120	
Bi (IS)	209	He	532421.21	0.8	91.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 034_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:38:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.036	ug/l	21.0	0.8	-0.8	0.8	
B	11	6	No Gas	-4.827	ug/l	N/A	80	-80	80	
Na	23	45	He	10.604	ug/l	65.3	500	-500	500	
Mg	24	45	He	2.386	ug/l	24.8	200	-200	200	
Al	27	45	He	-3.828	ug/l	N/A	40	-40	40	
K	39	45	He	14.384	ug/l	84.5	200	-200	200	
Ca	40	45	H2	2.840	ug/l	21.0	500	-500	500	
Ti	47	45	No Gas	0.260	ug/l	42.1	4	-4	4	
V	51	74	He	-0.027	ug/l	N/A	4	-4	4	
Cr	52	74	He	0.282	ug/l	144.3	4	-4	4	
Mn	55	74	He	0.066	ug/l	147.1	8	-8	8	
Fe	56	74	H2	3.204	ug/l	8.8	120	-120	120	
Co	59	74	He	0.005	ug/l	96.0	4	-4	4	
Ni	60	74	He	0.031	ug/l	201.0	4	-4	4	
Cu	63	74	He	0.003	ug/l	690.1	4	-4	4	
Zn	66	74	He	1.186	ug/l	47.2	16	-16	16	
As	75	74	He	-0.088	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.157	ug/l	36.5	2.5	-2.5	2.5	
Sr	88	115	He	0.022	ug/l	71.3	4	-4	4	
Mo	95	115	He	0.088	ug/l	41.9	4	-4	4	
Ag	107	115	He	0.004	ug/l	166.6	2	-2	2	
Cd	111	115	He	0.002	ug/l	1123.7	2	-2	2	
Sn	118	115	He	-0.357	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.016	ug/l	78.6	2	-2	2	
Ba	137	159	He	0.017	ug/l	254.6	4	-4	4	
Tl	205	159	He	0.027	ug/l	21.9	0.8	-0.8	0.8	
(Pb)	206	209	He	0.042	ug/l	25.0				
(Pb)	207	209	He	0.030	ug/l	73.0				
Pb	208	209	He	0.036	ug/l	40.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	972089.98	1.5	65.0	70	120	fail
Sc (ISICPMS)	45	No Gas	8492888.42	1.9	85.5	70	120	
Sc (ISICPMS)	45	H2	2631017.67	0.7	89.7	70	120	
Sc (ISICPMS)	45	He	104457.61	0.8	86.4	70	120	
Ge (IS)	74	H2	528476.31	0.9	85.3	70	120	
Ge (IS)	74	He	58522.03	0.9	84.2	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	130922.97	1.4	90.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	661039.30	0.5	91.9	70	120	
Bi (IS)	209	He	535620.27	1.2	92.1	70	120	

Sample Report

File Name 035SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:40:48

Sample Name **MB 460-965990/1-B**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	12.4	1800	
B	11	6	No Gas	-5.538	ug/l	N/A	1800	
Na	23	45	He	-47.447	ug/l	N/A	450000	
Mg	24	45	He	0.788	ug/l	42.8	450000	
Al	27	45	He	-3.902	ug/l	N/A	450000	
K	39	45	He	-4.619	ug/l	N/A	450000	
Ca	40	45	H2	-0.225	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.192	ug/l	N/A	9000	
V	51	74	He	-0.001	ug/l	N/A	4500	
Cr	52	74	He	0.165	ug/l	73.4	18000	
Mn	55	74	He	0.130	ug/l	90.1	18000	
Fe	56	74	H2	0.257	ug/l	189.8	450000	
Co	59	74	He	0.002	ug/l	508.0	1800	
Ni	60	74	He	0.067	ug/l	207.2	18000	
Cu	63	74	He	0.044	ug/l	21.2	18000	
Zn	66	74	He	0.745	ug/l	19.7	18000	
As	75	74	He	-0.050	ug/l	N/A	4500	
Se	78	74	H2	0.022	ug/l	267.2	2700	
Sr	88	115	He	0.034	ug/l	72.5	4500	
Mo	95	115	He	-0.001	ug/l	N/A	1800	
Ag	107	115	He	0.000	ug/l	273.9	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.838	ug/l	N/A	1800	
Sb	121	115	He	-0.048	ug/l	N/A	900	
Ba	137	159	He	0.080	ug/l	143.9	18000	
Tl	205	159	He	0.008	ug/l	29.9	900	
(Pb)	206	209	He	0.000	ug/l	N/A		
(Pb)	207	209	He	-0.016	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1018046.97	0.5	68.1	70	120	fail
Sc (ISICPMS)	45	No Gas	8696569.11	1.1	87.6	70	120	
Sc (ISICPMS)	45	H2	2673688.50	0.4	91.1	70	120	
Sc (ISICPMS)	45	He	107410.42	0.3	88.8	70	120	
Ge (IS)	74	H2	533599.11	0.9	86.1	70	120	
Ge (IS)	74	He	59150.05	0.9	85.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133211.08	1.0	92.0	70	120	
Tb (IS)	159	He	671706.28	0.8	93.4	70	120	
Bi (IS)	209	He	545175.28	0.8	93.8	70	120	

Sample Report

File Name 036SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:43:11

Sample Name **LCS 460-965991/2-A**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.020	ug/l	6.3	1800	
B	11	6	No Gas	502.504	ug/l	3.4	1800	
Na	23	45	He	2422.205	ug/l	3.1	450000	
Mg	24	45	He	2420.491	ug/l	2.0	450000	
Al	27	45	He	2371.919	ug/l	1.5	450000	
K	39	45	He	2406.979	ug/l	2.0	450000	
Ca	40	45	H2	2488.024	ug/l	0.9	900000	
Ti	47	45	No Gas	47.806	ug/l	3.4	9000	
V	51	74	He	49.065	ug/l	2.0	4500	
Cr	52	74	He	49.123	ug/l	2.8	18000	
Mn	55	74	He	239.402	ug/l	1.8	18000	
Fe	56	74	H2	2512.214	ug/l	2.0	450000	
Co	59	74	He	25.521	ug/l	0.4	1800	
Ni	60	74	He	50.264	ug/l	1.9	18000	
Cu	63	74	He	50.810	ug/l	2.2	18000	
Zn	66	74	He	245.589	ug/l	1.7	18000	
As	75	74	He	48.688	ug/l	2.6	4500	
Se	78	74	H2	49.206	ug/l	2.6	2700	
Sr	88	115	He	46.958	ug/l	1.1	4500	
Mo	95	115	He	46.437	ug/l	1.0	1800	
Ag	107	115	He	24.096	ug/l	0.8	900	
Cd	111	115	He	24.216	ug/l	2.8	4500	
Sn	118	115	He	96.632	ug/l	1.5	1800	
Sb	121	115	He	24.174	ug/l	2.2	900	
Ba	137	159	He	47.713	ug/l	0.8	18000	
Tl	205	159	He	19.490	ug/l	1.3	900	
(Pb)	206	209	He	24.052	ug/l	1.2		
(Pb)	207	209	He	23.315	ug/l	2.2		
Pb	208	209	He	23.693	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1021903.82	2.0	68.3	70	120	fail
Sc (ISICPMS)	45	No Gas	8673065.43	1.6	87.3	70	120	
Sc (ISICPMS)	45	H2	2705910.50	0.9	92.2	70	120	
Sc (ISICPMS)	45	He	107854.98	2.4	89.2	70	120	
Ge (IS)	74	H2	537699.63	1.1	86.8	70	120	
Ge (IS)	74	He	59456.85	2.0	85.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134045.53	0.9	92.6	70	120	
Tb (IS)	159	He	677786.80	0.5	94.2	70	120	
Bi (IS)	209	He	552481.71	0.7	95.0	70	120	

Sample Report

File Name 037SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:45:32

Sample Name **460-300484-H-2-L DU**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	23.9	1800	
B	11	6	No Gas	384.598	ug/l	1.2	1800	
Na	23	45	He	226414.643	ug/l	1.6	450000	
Mg	24	45	He	42135.310	ug/l	1.8	450000	
Al	27	45	He	-3.016	ug/l	N/A	450000	
K	39	45	He	39799.575	ug/l	1.2	450000	
Ca	40	45	H2	162285.824	ug/l	1.5	900000	
Ti	47	45	No Gas	5.698	ug/l	2.5	9000	
V	51	74	He	-0.231	ug/l	N/A	4500	
Cr	52	74	He	-1.103	ug/l	N/A	18000	
Mn	55	74	He	1909.704	ug/l	1.3	18000	
Fe	56	74	H2	9.171	ug/l	0.8	450000	
Co	59	74	He	0.526	ug/l	11.1	1800	
Ni	60	74	He	1.934	ug/l	9.0	18000	
Cu	63	74	He	4.037	ug/l	0.4	18000	
Zn	66	74	He	13.234	ug/l	3.6	18000	
As	75	74	He	0.326	ug/l	53.1	4500	
Se	78	74	H2	0.794	ug/l	31.1	2700	
Sr	88	115	He	1164.302	ug/l	0.4	4500	
Mo	95	115	He	8.910	ug/l	1.3	1800	
Ag	107	115	He	0.003	ug/l	65.7	900	
Cd	111	115	He	0.031	ug/l	144.8	4500	
Sn	118	115	He	-1.127	ug/l	N/A	1800	
Sb	121	115	He	0.722	ug/l	18.4	900	
Ba	137	159	He	72.470	ug/l	1.1	18000	
Tl	205	159	He	0.012	ug/l	33.4	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.011	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1106497.62	1.2	74.0	70	120	
Sc (ISICPMS)	45	No Gas	9112843.83	1.6	91.8	70	120	
Sc (ISICPMS)	45	H2	2747263.99	0.4	93.6	70	120	
Sc (ISICPMS)	45	He	110184.54	0.7	91.1	70	120	
Ge (IS)	74	H2	536696.30	0.4	86.6	70	120	
Ge (IS)	74	He	60605.81	0.5	87.2	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132867.27	1.3	91.7	70	120	
Tb (IS)	159	He	675158.04	1.2	93.8	70	120	
Bi (IS)	209	He	529548.87	0.2	91.1	70	120	

Sample Report

File Name 038SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:47:54

Sample Name **460-300484-H-2-M**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.028	ug/l	40.9	1800	
B	11	6	No Gas	381.811	ug/l	2.3	1800	
Na	23	45	He	221540.843	ug/l	0.5	450000	
Mg	24	45	He	41458.652	ug/l	0.6	450000	
Al	27	45	He	-4.617	ug/l	N/A	450000	
K	39	45	He	39055.177	ug/l	0.6	450000	
Ca	40	45	H2	158630.828	ug/l	3.0	900000	
Ti	47	45	No Gas	5.809	ug/l	3.7	9000	
V	51	74	He	-0.301	ug/l	N/A	4500	
Cr	52	74	He	-1.079	ug/l	N/A	18000	
Mn	55	74	He	1923.907	ug/l	1.6	18000	
Fe	56	74	H2	5.345	ug/l	9.0	450000	
Co	59	74	He	0.491	ug/l	12.1	1800	
Ni	60	74	He	2.113	ug/l	7.8	18000	
Cu	63	74	He	4.028	ug/l	3.1	18000	
Zn	66	74	He	12.535	ug/l	4.9	18000	
As	75	74	He	0.485	ug/l	33.2	4500	
Se	78	74	H2	0.671	ug/l	13.8	2700	
Sr	88	115	He	1159.808	ug/l	0.3	4500	
Mo	95	115	He	8.979	ug/l	3.6	1800	
Ag	107	115	He	0.003	ug/l	171.9	900	
Cd	111	115	He	0.025	ug/l	81.9	4500	
Sn	118	115	He	-1.157	ug/l	N/A	1800	
Sb	121	115	He	0.584	ug/l	16.1	900	
Ba	137	159	He	71.123	ug/l	1.8	18000	
Tl	205	159	He	0.002	ug/l	153.8	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.015	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1124961.38	2.0	75.2	70	120	
Sc (ISICPMS)	45	No Gas	9074029.10	1.0	91.4	70	120	
Sc (ISICPMS)	45	H2	2729363.19	0.9	93.0	70	120	
Sc (ISICPMS)	45	He	112152.37	0.6	92.7	70	120	
Ge (IS)	74	H2	540614.59	0.2	87.2	70	120	
Ge (IS)	74	He	60772.08	1.6	87.5	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133705.73	0.3	92.3	70	120	
Tb (IS)	159	He	680366.90	0.3	94.6	70	120	
Bi (IS)	209	He	529408.31	0.1	91.1	70	120	

Sample Report

File Name 039SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:50:16

Sample Name **sd 460-300484-H-2-M@5**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	51.9	1800	
B	11	6	No Gas	71.211	ug/l	1.4	1800	
Na	23	45	He	44600.668	ug/l	1.1	450000	
Mg	24	45	He	8075.718	ug/l	0.7	450000	
Al	27	45	He	-2.244	ug/l	N/A	450000	
K	39	45	He	7543.488	ug/l	1.1	450000	
Ca	40	45	H2	30156.446	ug/l	2.8	900000	
Ti	47	45	No Gas	1.257	ug/l	10.9	9000	
V	51	74	He	0.012	ug/l	676.8	4500	
Cr	52	74	He	0.036	ug/l	742.4	18000	
Mn	55	74	He	376.071	ug/l	1.5	18000	
Fe	56	74	H2	6.795	ug/l	1.6	450000	
Co	59	74	He	0.097	ug/l	22.2	1800	
Ni	60	74	He	0.583	ug/l	17.4	18000	
Cu	63	74	He	0.958	ug/l	3.6	18000	
Zn	66	74	He	3.957	ug/l	26.5	18000	
As	75	74	He	0.031	ug/l	265.2	4500	
Se	78	74	H2	0.091	ug/l	30.8	2700	
Sr	88	115	He	221.805	ug/l	0.4	4500	
Mo	95	115	He	1.872	ug/l	6.2	1800	
Ag	107	115	He	0.005	ug/l	51.6	900	
Cd	111	115	He	0.024	ug/l	107.0	4500	
Sn	118	115	He	-0.814	ug/l	N/A	1800	
Sb	121	115	He	0.049	ug/l	84.9	900	
Ba	137	159	He	14.043	ug/l	2.5	18000	
Tl	205	159	He	0.010	ug/l	16.4	900	
(Pb)	206	209	He	0.039	ug/l	85.0		
(Pb)	207	209	He	0.002	ug/l	596.1		
Pb	208	209	He	0.020	ug/l	49.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1109328.17	0.8	74.2	70	120	
Sc (ISICPMS)	45	No Gas	8896245.21	2.2	89.6	70	120	
Sc (ISICPMS)	45	H2	2700626.16	1.1	92.0	70	120	
Sc (ISICPMS)	45	He	110669.05	0.7	91.5	70	120	
Ge (IS)	74	H2	538671.33	0.7	86.9	70	120	
Ge (IS)	74	He	59630.76	1.6	85.8	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133635.20	1.1	92.3	70	120	
Tb (IS)	159	He	681116.98	1.4	94.7	70	120	
Bi (IS)	209	He	541262.62	0.8	93.1	70	120	

Sample Report

File Name 040SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:52:38

Sample Name **460-300484-H-2-N LS**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.011	ug/l	3.5	1800	
B	11	6	No Gas	889.250	ug/l	0.7	1800	
Na	23	45	He	225106.481	ug/l	1.4	450000	
Mg	24	45	He	44097.663	ug/l	1.1	450000	
Al	27	45	He	2426.142	ug/l	0.8	450000	
K	39	45	He	41972.437	ug/l	0.7	450000	
Ca	40	45	H2	158855.576	ug/l	1.6	900000	
Ti	47	45	No Gas	55.686	ug/l	2.3	9000	
V	51	74	He	49.741	ug/l	0.6	4500	
Cr	52	74	He	48.893	ug/l	0.6	18000	
Mn	55	74	He	2126.564	ug/l	0.7	18000	
Fe	56	74	H2	2451.900	ug/l	2.4	450000	
Co	59	74	He	25.408	ug/l	0.8	1800	
Ni	60	74	He	51.398	ug/l	1.7	18000	
Cu	63	74	He	53.634	ug/l	0.8	18000	
Zn	66	74	He	261.335	ug/l	0.3	18000	
As	75	74	He	51.262	ug/l	3.3	4500	
Se	78	74	H2	53.077	ug/l	2.3	2700	
Sr	88	115	He	1205.545	ug/l	0.6	4500	
Mo	95	115	He	56.354	ug/l	1.6	1800	
Ag	107	115	He	19.135	ug/l	1.7	900	
Cd	111	115	He	24.777	ug/l	2.2	4500	
Sn	118	115	He	47.301	ug/l	0.3	1800	
Sb	121	115	He	22.185	ug/l	1.7	900	
Ba	137	159	He	119.254	ug/l	0.9	18000	
Tl	205	159	He	19.609	ug/l	1.3	900	
(Pb)	206	209	He	25.024	ug/l	0.6		
(Pb)	207	209	He	24.436	ug/l	0.6		
Pb	208	209	He	24.737	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1127639.07	1.4	75.4	70	120	
Sc (ISICPMS)	45	No Gas	8971563.27	3.0	90.3	70	120	
Sc (ISICPMS)	45	H2	2753861.24	0.5	93.9	70	120	
Sc (ISICPMS)	45	He	112196.02	0.4	92.8	70	120	
Ge (IS)	74	H2	544940.65	0.3	87.9	70	120	
Ge (IS)	74	He	61587.70	0.6	88.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134708.07	0.5	93.0	70	120	
Tb (IS)	159	He	688627.48	0.9	95.7	70	120	
Bi (IS)	209	He	535582.97	1.0	92.1	70	120	

Sample Report

File Name 041SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:54:59

Sample Name **460-300484-H-2-O MSD**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.641	ug/l	2.4	1800	
B	11	6	No Gas	877.306	ug/l	2.4	1800	
Na	23	45	He	222738.649	ug/l	1.6	450000	
Mg	24	45	He	43613.001	ug/l	0.2	450000	
Al	27	45	He	2457.914	ug/l	1.5	450000	
K	39	45	He	41537.730	ug/l	0.1	450000	
Ca	40	45	H2	159532.232	ug/l	1.1	900000	
Ti	47	45	No Gas	56.189	ug/l	1.5	9000	
V	51	74	He	49.985	ug/l	0.3	4500	
Cr	52	74	He	48.987	ug/l	1.3	18000	
Mn	55	74	He	2157.491	ug/l	0.1	18000	
Fe	56	74	H2	2479.308	ug/l	1.4	450000	
Co	59	74	He	25.448	ug/l	0.6	1800	
Ni	60	74	He	52.184	ug/l	1.0	18000	
Cu	63	74	He	53.586	ug/l	1.5	18000	
Zn	66	74	He	263.618	ug/l	1.2	18000	
As	75	74	He	52.198	ug/l	2.1	4500	
Se	78	74	H2	54.399	ug/l	1.5	2700	
Sr	88	115	He	1203.202	ug/l	0.7	4500	
Mo	95	115	He	56.992	ug/l	0.5	1800	
Ag	107	115	He	19.397	ug/l	3.3	900	
Cd	111	115	He	25.222	ug/l	1.9	4500	
Sn	118	115	He	47.820	ug/l	0.8	1800	
Sb	121	115	He	21.677	ug/l	1.1	900	
Ba	137	159	He	121.150	ug/l	1.1	18000	
Tl	205	159	He	19.692	ug/l	0.3	900	
(Pb)	206	209	He	25.224	ug/l	1.0		
(Pb)	207	209	He	24.680	ug/l	1.4		
Pb	208	209	He	24.936	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1169263.03	2.7	78.2	70	120	
Sc (ISICPMS)	45	No Gas	9035758.20	0.9	91.0	70	120	
Sc (ISICPMS)	45	H2	2751745.52	1.4	93.8	70	120	
Sc (ISICPMS)	45	He	113055.47	0.5	93.5	70	120	
Ge (IS)	74	H2	543738.23	2.0	87.7	70	120	
Ge (IS)	74	He	61517.15	0.6	88.5	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135548.25	1.4	93.6	70	120	
Tb (IS)	159	He	684666.01	0.5	95.2	70	120	
Bi (IS)	209	He	531260.09	0.8	91.4	70	120	

Sample Report

File Name 042SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:57:20

Sample Name **460-300484-H-1-D**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.030	ug/l	19.3	1800	
B	11	6	No Gas	331.048	ug/l	2.7	1800	
Na	23	45	He	103725.646	ug/l	1.4	450000	
Mg	24	45	He	25793.285	ug/l	0.7	450000	
Al	27	45	He	-5.153	ug/l	N/A	450000	
K	39	45	He	29778.226	ug/l	0.6	450000	
Ca	40	45	H2	184214.980	ug/l	1.6	900000	
Ti	47	45	No Gas	3.820	ug/l	3.6	9000	
V	51	74	He	-0.075	ug/l	N/A	4500	
Cr	52	74	He	-1.238	ug/l	N/A	18000	
Mn	55	74	He	1557.078	ug/l	0.7	18000	
Fe	56	74	H2	-2.468	ug/l	N/A	450000	
Co	59	74	He	7.016	ug/l	2.2	1800	
Ni	60	74	He	5.314	ug/l	3.6	18000	
Cu	63	74	He	1.126	ug/l	10.6	18000	
Zn	66	74	He	22.178	ug/l	3.6	18000	
As	75	74	He	0.252	ug/l	84.3	4500	
Se	78	74	H2	0.293	ug/l	36.7	2700	
Sr	88	115	He	537.503	ug/l	0.6	4500	
Mo	95	115	He	2.530	ug/l	4.7	1800	
Ag	107	115	He	0.006	ug/l	65.9	900	
Cd	111	115	He	0.047	ug/l	92.4	4500	
Sn	118	115	He	-0.920	ug/l	N/A	1800	
Sb	121	115	He	0.734	ug/l	10.1	900	
Ba	137	159	He	15.904	ug/l	3.8	18000	
Tl	205	159	He	0.052	ug/l	12.4	900	
(Pb)	206	209	He	0.021	ug/l	33.8		
(Pb)	207	209	He	0.013	ug/l	106.2		
Pb	208	209	He	0.019	ug/l	42.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1150113.68	2.6	76.9	70	120	
Sc (ISICPMS)	45	No Gas	9064306.67	1.1	91.3	70	120	
Sc (ISICPMS)	45	H2	2735834.51	0.7	93.2	70	120	
Sc (ISICPMS)	45	He	112583.23	0.3	93.1	70	120	
Ge (IS)	74	H2	538597.30	0.3	86.9	70	120	
Ge (IS)	74	He	61080.08	0.3	87.9	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135474.31	1.0	93.5	70	120	
Tb (IS)	159	He	687262.93	1.0	95.5	70	120	
Bi (IS)	209	He	537871.48	0.8	92.5	70	120	

Sample Report

File Name 043SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:59:42

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	38.0	1800	
B	11	6	No Gas	-0.459	ug/l	N/A	1800	
Na	23	45	He	-24.691	ug/l	N/A	450000	
Mg	24	45	He	2.565	ug/l	34.8	450000	
Al	27	45	He	0.042	ug/l	2851.1	450000	
K	39	45	He	-25.398	ug/l	N/A	450000	
Ca	40	45	H2	13.432	ug/l	4.1	900000	
Ti	47	45	No Gas	-0.180	ug/l	N/A	9000	
V	51	74	He	-0.267	ug/l	N/A	4500	
Cr	52	74	He	-0.184	ug/l	N/A	18000	
Mn	55	74	He	0.282	ug/l	34.8	18000	
Fe	56	74	H2	-3.151	ug/l	N/A	450000	
Co	59	74	He	0.006	ug/l	196.9	1800	
Ni	60	74	He	-0.080	ug/l	N/A	18000	
Cu	63	74	He	0.058	ug/l	94.1	18000	
Zn	66	74	He	0.857	ug/l	20.9	18000	
As	75	74	He	-0.123	ug/l	N/A	4500	
Se	78	74	H2	0.037	ug/l	131.5	2700	
Sr	88	115	He	0.077	ug/l	63.4	4500	
Mo	95	115	He	0.141	ug/l	64.8	1800	
Ag	107	115	He	0.003	ug/l	136.5	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.880	ug/l	N/A	1800	
Sb	121	115	He	0.008	ug/l	126.7	900	
Ba	137	159	He	0.020	ug/l	162.8	18000	
Tl	205	159	He	0.011	ug/l	29.0	900	
(Pb)	206	209	He	0.023	ug/l	68.6		
(Pb)	207	209	He	0.035	ug/l	67.4		
Pb	208	209	He	0.030	ug/l	34.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1095588.00	0.7	73.2	70	120	
Sc (ISICPMS)	45	No Gas	9019257.30	1.6	90.8	70	120	
Sc (ISICPMS)	45	H2	2699139.33	0.2	92.0	70	120	
Sc (ISICPMS)	45	He	110525.69	1.8	91.4	70	120	
Ge (IS)	74	H2	536458.34	0.1	86.6	70	120	
Ge (IS)	74	He	60479.82	1.2	87.0	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136736.79	0.9	94.4	70	120	
Tb (IS)	159	He	685510.66	0.3	95.3	70	120	
Bi (IS)	209	He	557655.21	0.8	95.9	70	120	

Sample Report

File Name 044SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:04:18

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	49.9	1800	
B	11	6	No Gas	-2.746	ug/l	N/A	1800	
Na	23	45	He	-40.661	ug/l	N/A	450000	
Mg	24	45	He	0.306	ug/l	114.6	450000	
Al	27	45	He	-3.404	ug/l	N/A	450000	
K	39	45	He	-32.276	ug/l	N/A	450000	
Ca	40	45	H2	-2.706	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.319	ug/l	N/A	9000	
V	51	74	He	-0.205	ug/l	N/A	4500	
Cr	52	74	He	-0.157	ug/l	N/A	18000	
Mn	55	74	He	-0.020	ug/l	N/A	18000	
Fe	56	74	H2	-3.535	ug/l	N/A	450000	
Co	59	74	He	0.012	ug/l	115.2	1800	
Ni	60	74	He	-0.049	ug/l	N/A	18000	
Cu	63	74	He	0.142	ug/l	20.1	18000	
Zn	66	74	He	1.054	ug/l	29.0	18000	
As	75	74	He	-0.035	ug/l	N/A	4500	
Se	78	74	H2	0.007	ug/l	1287.2	2700	
Sr	88	115	He	0.021	ug/l	31.4	4500	
Mo	95	115	He	0.060	ug/l	48.9	1800	
Ag	107	115	He	0.006	ug/l	62.6	900	
Cd	111	115	He	0.001	ug/l	1736.5	4500	
Sn	118	115	He	-0.918	ug/l	N/A	1800	
Sb	121	115	He	-0.053	ug/l	N/A	900	
Ba	137	159	He	0.021	ug/l	311.9	18000	
Tl	205	159	He	0.011	ug/l	29.9	900	
(Pb)	206	209	He	0.025	ug/l	64.1		
(Pb)	207	209	He	0.025	ug/l	92.7		
Pb	208	209	He	0.028	ug/l	16.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1048610.02	1.5	70.1	70	120	
Sc (ISICPMS)	45	No Gas	8879717.23	1.8	89.4	70	120	
Sc (ISICPMS)	45	H2	2696534.47	0.9	91.9	70	120	
Sc (ISICPMS)	45	He	108752.02	1.2	89.9	70	120	
Ge (IS)	74	H2	536052.17	1.4	86.5	70	120	
Ge (IS)	74	He	59242.51	0.8	85.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135091.06	1.8	93.3	70	120	
Tb (IS)	159	He	678471.41	1.5	94.3	70	120	
Bi (IS)	209	He	551449.57	1.1	94.9	70	120	

Continuing Calibration Verification (CCV)

File Name 045_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:06:42

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	94.041	ug/l	1.1	100	90	110	
B	11	6	No Gas	260.395	ug/l	1.9	250	225	275	
Na	23	45	He	25737.570	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25429.610	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25033.822	ug/l	0.9	25000	22500	27500	
K	39	45	He	25210.700	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25457.828	ug/l	1.3	25000	22500	27500	
Ti	47	45	No Gas	101.389	ug/l	0.7	100	90	110	
V	51	74	He	102.292	ug/l	0.7	100	90	110	
Cr	52	74	He	103.278	ug/l	1.1	100	90	110	
Mn	55	74	He	104.682	ug/l	0.6	100	90	110	
Fe	56	74	H2	26737.922	ug/l	1.3	25000	22500	27500	
Co	59	74	He	105.773	ug/l	0.9	100	90	110	
Ni	60	74	He	105.711	ug/l	0.6	100	90	110	
Cu	63	74	He	104.912	ug/l	0.8	100	90	110	
Zn	66	74	He	266.421	ug/l	1.3	250	225	275	
As	75	74	He	102.266	ug/l	0.5	100	90	110	
Se	78	74	H2	104.727	ug/l	1.3	100	90	110	
Sr	88	115	He	100.259	ug/l	0.8	100	90	110	
Mo	95	115	He	100.704	ug/l	0.3	100	90	110	
Ag	107	115	He	51.288	ug/l	0.9	50	45	55	
Cd	111	115	He	100.549	ug/l	1.8	100	90	110	
Sn	118	115	He	100.499	ug/l	0.2	100	90	110	
Sb	121	115	He	101.156	ug/l	0.4	100	90	110	
Ba	137	159	He	101.061	ug/l	1.8	100	90	110	
Tl	205	159	He	103.807	ug/l	0.8	100	90	110	
(Pb)	206	209	He	101.431	ug/l	0.8				
(Pb)	207	209	He	101.353	ug/l	1.5				
Pb	208	209	He	101.731	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1057226.16	0.2	70.7	70	120	
Sc (ISICPMS)	45	No Gas	8669802.03	0.5	87.3	70	120	
Sc (ISICPMS)	45	H2	2623716.68	0.4	89.4	70	120	
Sc (ISICPMS)	45	He	106487.28	0.4	88.1	70	120	
Ge (IS)	74	H2	523516.56	0.9	84.5	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58890.12	1.1	84.7	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	131004.00	0.2	90.5	70	120	
Tb (IS)	159	He	662781.97	0.2	92.1	70	120	
Bi (IS)	209	He	527945.20	0.9	90.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 046_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:09:03

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.037	ug/l	47.7	0.8	-0.8	0.8	
B	11	6	No Gas	-2.318	ug/l	N/A	80	-80	80	
Na	23	45	He	-22.338	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.463	ug/l	20.3	200	-200	200	
Al	27	45	He	-1.434	ug/l	N/A	40	-40	40	
K	39	45	He	-39.019	ug/l	N/A	200	-200	200	
Ca	40	45	H2	0.252	ug/l	182.4	500	-500	500	
Ti	47	45	No Gas	-0.128	ug/l	N/A	4	-4	4	
V	51	74	He	-0.297	ug/l	N/A	4	-4	4	
Cr	52	74	He	0.025	ug/l	443.5	4	-4	4	
Mn	55	74	He	0.029	ug/l	197.6	8	-8	8	
Fe	56	74	H2	0.491	ug/l	32.7	120	-120	120	
Co	59	74	He	0.003	ug/l	397.8	4	-4	4	
Ni	60	74	He	-0.041	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.052	ug/l	20.7	4	-4	4	
Zn	66	74	He	0.892	ug/l	89.0	16	-16	16	
As	75	74	He	-0.019	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.166	ug/l	14.9	2.5	-2.5	2.5	
Sr	88	115	He	0.057	ug/l	43.5	4	-4	4	
Mo	95	115	He	0.082	ug/l	63.9	4	-4	4	
Ag	107	115	He	0.002	ug/l	125.7	2	-2	2	
Cd	111	115	He	-0.004	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.638	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.090	ug/l	N/A	2	-2	2	
Ba	137	159	He	-0.006	ug/l	N/A	4	-4	4	
Tl	205	159	He	0.032	ug/l	20.6	0.8	-0.8	0.8	
(Pb)	206	209	He	0.031	ug/l	43.5				
(Pb)	207	209	He	0.018	ug/l	108.9				
Pb	208	209	He	0.019	ug/l	13.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1015646.37	1.1	67.9	70	120	fail
Sc (ISICPMS)	45	No Gas	8646434.31	1.3	87.1	70	120	
Sc (ISICPMS)	45	H2	2633325.52	1.3	89.8	70	120	
Sc (ISICPMS)	45	He	107060.10	1.5	88.5	70	120	
Ge (IS)	74	H2	526619.40	1.1	85.0	70	120	
Ge (IS)	74	He	58923.61	0.9	84.8	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	133048.86	1.3	91.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	672666.79	0.6	93.5	70	120	
Bi (IS)	209	He	546327.96	0.5	94.0	70	120	

Sample Report

File Name 047SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:11:26

Sample Name **460-300484-H-3-D**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	24.2	1800	
B	11	6	No Gas	194.775	ug/l	1.2	1800	
Na	23	45	He	361893.597	ug/l	1.0	450000	
Mg	24	45	He	23919.909	ug/l	0.7	450000	
Al	27	45	He	-3.956	ug/l	N/A	450000	
K	39	45	He	20619.005	ug/l	0.6	450000	
Ca	40	45	H2	96706.114	ug/l	2.3	900000	
Ti	47	45	No Gas	2.920	ug/l	4.3	9000	
V	51	74	He	-0.454	ug/l	N/A	4500	
Cr	52	74	He	-0.870	ug/l	N/A	18000	
Mn	55	74	He	814.192	ug/l	1.2	18000	
Fe	56	74	H2	5.923	ug/l	5.5	450000	
Co	59	74	He	0.158	ug/l	5.6	1800	
Ni	60	74	He	0.597	ug/l	34.0	18000	
Cu	63	74	He	0.500	ug/l	4.1	18000	
Zn	66	74	He	4.293	ug/l	19.0	18000	
As	75	74	He	0.336	ug/l	128.2	4500	
Se	78	74	H2	0.222	ug/l	33.8	2700	
Sr	88	115	He	702.445	ug/l	0.6	4500	
Mo	95	115	He	6.795	ug/l	1.7	1800	
Ag	107	115	He	0.003	ug/l	226.4	900	
Cd	111	115	He	0.013	ug/l	155.2	4500	
Sn	118	115	He	-1.186	ug/l	N/A	1800	
Sb	121	115	He	0.541	ug/l	8.0	900	
Ba	137	159	He	250.000	ug/l	0.3	18000	
Tl	205	159	He	0.007	ug/l	85.6	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.015	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1093457.22	1.1	73.1	70	120	
Sc (ISICPMS)	45	No Gas	9007332.16	0.9	90.7	70	120	
Sc (ISICPMS)	45	H2	2747881.83	0.8	93.7	70	120	
Sc (ISICPMS)	45	He	112691.78	0.3	93.2	70	120	
Ge (IS)	74	H2	540205.08	0.2	87.2	70	120	
Ge (IS)	74	He	60865.75	0.2	87.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133497.11	0.9	92.2	70	120	
Tb (IS)	159	He	681574.12	0.8	94.7	70	120	
Bi (IS)	209	He	526127.73	0.8	90.5	70	120	

Sample Report

File Name 048SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:13:48

Sample Name **460-300484-H-4-D**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	14.1	1800	
B	11	6	No Gas	224.662	ug/l	1.5	1800	
Na	23	45	He	359579.563	ug/l	1.4	450000	
Mg	24	45	He	26114.505	ug/l	0.8	450000	
Al	27	45	He	-3.630	ug/l	N/A	450000	
K	39	45	He	21469.687	ug/l	0.2	450000	
Ca	40	45	H2	92517.200	ug/l	4.2	900000	
Ti	47	45	No Gas	3.071	ug/l	3.1	9000	
V	51	74	He	-0.504	ug/l	N/A	4500	
Cr	52	74	He	-0.985	ug/l	N/A	18000	
Mn	55	74	He	783.290	ug/l	1.0	18000	
Fe	56	74	H2	8.552	ug/l	8.0	450000	
Co	59	74	He	0.131	ug/l	18.2	1800	
Ni	60	74	He	0.808	ug/l	5.7	18000	
Cu	63	74	He	0.452	ug/l	12.2	18000	
Zn	66	74	He	3.050	ug/l	9.9	18000	
As	75	74	He	0.213	ug/l	36.2	4500	
Se	78	74	H2	0.298	ug/l	28.0	2700	
Sr	88	115	He	688.239	ug/l	0.6	4500	
Mo	95	115	He	6.737	ug/l	2.5	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	0.024	ug/l	178.6	4500	
Sn	118	115	He	-1.153	ug/l	N/A	1800	
Sb	121	115	He	0.526	ug/l	6.6	900	
Ba	137	159	He	247.619	ug/l	2.3	18000	
Tl	205	159	He	0.000	ug/l	N/A	900	
(Pb)	206	209	He	0.013	ug/l	197.7		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	0.005	ug/l	57.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1088955.73	1.2	72.8	70	120	
Sc (ISICPMS)	45	No Gas	8898033.55	0.3	89.6	70	120	
Sc (ISICPMS)	45	H2	2765355.83	1.2	94.3	70	120	
Sc (ISICPMS)	45	He	112485.77	0.8	93.0	70	120	
Ge (IS)	74	H2	542892.14	1.3	87.6	70	120	
Ge (IS)	74	He	60894.78	1.1	87.6	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134058.92	0.9	92.6	70	120	
Tb (IS)	159	He	678710.25	0.5	94.3	70	120	
Bi (IS)	209	He	522768.70	0.6	89.9	70	120	

Sample Report

File Name 049SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:16:10

Sample Name **460-300349-H-1-D**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	32.3	1800	
B	11	6	No Gas	834.555	ug/l	1.6	1800	
Na	23	45	He	101237.449	ug/l	1.8	450000	
Mg	24	45	He	18225.312	ug/l	0.9	450000	
Al	27	45	He	-4.214	ug/l	N/A	450000	
K	39	45	He	22789.532	ug/l	1.1	450000	
Ca	40	45	H2	213961.795	ug/l	2.3	900000	
Ti	47	45	No Gas	3.282	ug/l	4.6	9000	
V	51	74	He	-0.596	ug/l	N/A	4500	
Cr	52	74	He	-1.017	ug/l	N/A	18000	
Mn	55	74	He	753.567	ug/l	1.0	18000	
Fe	56	74	H2	6.232	ug/l	5.4	450000	
Co	59	74	He	8.452	ug/l	0.9	1800	
Ni	60	74	He	5.664	ug/l	5.5	18000	
Cu	63	74	He	1.021	ug/l	2.5	18000	
Zn	66	74	He	121.383	ug/l	2.6	18000	
As	75	74	He	1.292	ug/l	27.0	4500	
Se	78	74	H2	0.187	ug/l	56.1	2700	
Sr	88	115	He	2648.922	ug/l	1.1	4500	
Mo	95	115	He	6.309	ug/l	3.3	1800	
Ag	107	115	He	0.003	ug/l	67.4	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-1.180	ug/l	N/A	1800	
Sb	121	115	He	0.353	ug/l	6.6	900	
Ba	137	159	He	58.028	ug/l	1.7	18000	
Tl	205	159	He	0.014	ug/l	17.1	900	
(Pb)	206	209	He	0.170	ug/l	9.3		
(Pb)	207	209	He	0.131	ug/l	28.8		
Pb	208	209	He	0.151	ug/l	13.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1058888.97	1.0	70.8	70	120	
Sc (ISICPMS)	45	No Gas	8971332.16	1.3	90.3	70	120	
Sc (ISICPMS)	45	H2	2781116.07	0.7	94.8	70	120	
Sc (ISICPMS)	45	He	112048.20	0.9	92.7	70	120	
Ge (IS)	74	H2	548756.88	0.6	88.6	70	120	
Ge (IS)	74	He	61032.12	1.5	87.8	70	120	
Kr	83	He	13.35	114.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135974.48	0.7	93.9	70	120	
Tb (IS)	159	He	689159.55	1.6	95.8	70	120	
Bi (IS)	209	He	539136.50	0.7	92.7	70	120	

Sample Report

File Name 050SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:18:32

Sample Name **460-300349-H-2-D**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	12.9	1800	
B	11	6	No Gas	186.749	ug/l	2.5	1800	
Na	23	45	He	106848.005	ug/l	0.8	450000	
Mg	24	45	He	12105.794	ug/l	0.2	450000	
Al	27	45	He	-5.232	ug/l	N/A	450000	
K	39	45	He	14177.581	ug/l	1.0	450000	
Ca	40	45	H2	119964.092	ug/l	1.1	900000	
Ti	47	45	No Gas	3.927	ug/l	3.3	9000	
V	51	74	He	-0.602	ug/l	N/A	4500	
Cr	52	74	He	-1.192	ug/l	N/A	18000	
Mn	55	74	He	1039.597	ug/l	0.3	18000	
Fe	56	74	H2	0.421	ug/l	14.5	450000	
Co	59	74	He	0.696	ug/l	7.9	1800	
Ni	60	74	He	0.618	ug/l	23.0	18000	
Cu	63	74	He	0.007	ug/l	601.6	18000	
Zn	66	74	He	1.467	ug/l	50.9	18000	
As	75	74	He	1.321	ug/l	25.3	4500	
Se	78	74	H2	0.106	ug/l	100.6	2700	
Sr	88	115	He	590.673	ug/l	0.9	4500	
Mo	95	115	He	2.839	ug/l	2.6	1800	
Ag	107	115	He	0.001	ug/l	338.0	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.187	ug/l	N/A	1800	
Sb	121	115	He	0.419	ug/l	12.4	900	
Ba	137	159	He	135.469	ug/l	1.4	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	-0.009	ug/l	N/A		
(Pb)	207	209	He	-0.020	ug/l	N/A		
Pb	208	209	He	-0.005	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1063794.25	1.9	71.1	70	120	
Sc (ISICPMS)	45	No Gas	9119030.77	2.2	91.8	70	120	
Sc (ISICPMS)	45	H2	2719717.27	0.9	92.7	70	120	
Sc (ISICPMS)	45	He	110795.65	0.6	91.6	70	120	
Ge (IS)	74	H2	541176.58	1.1	87.3	70	120	
Ge (IS)	74	He	61056.52	0.6	87.9	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135021.60	0.6	93.2	70	120	
Tb (IS)	159	He	678864.85	0.4	94.4	70	120	
Bi (IS)	209	He	537443.01	1.1	92.4	70	120	

Sample Report

File Name 051SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:20:55

Sample Name **460-300349-H-3-D**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	24.6	1800	
B	11	6	No Gas	209.138	ug/l	0.5	1800	
Na	23	45	He	239138.288	ug/l	0.9	450000	
Mg	24	45	He	11833.611	ug/l	1.2	450000	
Al	27	45	He	-4.736	ug/l	N/A	450000	
K	39	45	He	14953.999	ug/l	1.1	450000	
Ca	40	45	H2	113753.129	ug/l	2.9	900000	
Ti	47	45	No Gas	6.507	ug/l	4.3	9000	
V	51	74	He	-0.508	ug/l	N/A	4500	
Cr	52	74	He	-1.144	ug/l	N/A	18000	
Mn	55	74	He	1390.033	ug/l	1.4	18000	
Fe	56	74	H2	283.843	ug/l	0.6	450000	
Co	59	74	He	0.223	ug/l	9.0	1800	
Ni	60	74	He	0.612	ug/l	11.8	18000	
Cu	63	74	He	-0.020	ug/l	N/A	18000	
Zn	66	74	He	2.828	ug/l	25.9	18000	
As	75	74	He	0.125	ug/l	82.4	4500	
Se	78	74	H2	0.065	ug/l	89.1	2700	
Sr	88	115	He	624.288	ug/l	1.0	4500	
Mo	95	115	He	0.160	ug/l	14.5	1800	
Ag	107	115	He	0.003	ug/l	34.0	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.157	ug/l	N/A	1800	
Sb	121	115	He	0.147	ug/l	45.8	900	
Ba	137	159	He	69.057	ug/l	1.3	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.034	ug/l	N/A		
(Pb)	207	209	He	-0.010	ug/l	N/A		
Pb	208	209	He	-0.020	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1111827.23	2.3	74.3	70	120	
Sc (ISICPMS)	45	No Gas	9072900.42	0.6	91.4	70	120	
Sc (ISICPMS)	45	H2	2783142.53	0.7	94.9	70	120	
Sc (ISICPMS)	45	He	113650.83	0.3	94.0	70	120	
Ge (IS)	74	H2	548863.76	0.3	88.6	70	120	
Ge (IS)	74	He	61713.80	1.4	88.8	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135586.73	1.2	93.6	70	120	
Tb (IS)	159	He	681858.47	0.9	94.8	70	120	
Bi (IS)	209	He	532742.92	0.6	91.6	70	120	

Sample Report

File Name 052SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:23:16

Sample Name **460-300349-H-4-D**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	22.8	1800	
B	11	6	No Gas	36.796	ug/l	3.7	1800	
Na	23	45	He	70783.143	ug/l	1.7	450000	
Mg	24	45	He	16.021	ug/l	2.9	450000	
Al	27	45	He	694.180	ug/l	1.0	450000	
K	39	45	He	16587.511	ug/l	0.6	450000	
Ca	40	45	H2	66732.760	ug/l	3.6	900000	
Ti	47	45	No Gas	-0.203	ug/l	N/A	9000	
V	51	74	He	2.217	ug/l	8.1	4500	
Cr	52	74	He	-0.663	ug/l	N/A	18000	
Mn	55	74	He	0.185	ug/l	17.3	18000	
Fe	56	74	H2	-3.410	ug/l	N/A	450000	
Co	59	74	He	0.126	ug/l	7.1	1800	
Ni	60	74	He	0.417	ug/l	31.9	18000	
Cu	63	74	He	0.580	ug/l	11.0	18000	
Zn	66	74	He	2.514	ug/l	13.9	18000	
As	75	74	He	2.056	ug/l	15.9	4500	
Se	78	74	H2	0.176	ug/l	33.5	2700	
Sr	88	115	He	847.878	ug/l	1.4	4500	
Mo	95	115	He	4.731	ug/l	0.3	1800	
Ag	107	115	He	0.000	ug/l	N/A	900	
Cd	111	115	He	0.001	ug/l	1364.0	4500	
Sn	118	115	He	-1.149	ug/l	N/A	1800	
Sb	121	115	He	0.511	ug/l	10.2	900	
Ba	137	159	He	134.175	ug/l	0.2	18000	
Tl	205	159	He	0.003	ug/l	45.2	900	
(Pb)	206	209	He	0.150	ug/l	20.2		
(Pb)	207	209	He	0.089	ug/l	31.6		
Pb	208	209	He	0.121	ug/l	6.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1077119.89	2.0	72.0	70	120	
Sc (ISICPMS)	45	No Gas	8927533.69	0.2	89.9	70	120	
Sc (ISICPMS)	45	H2	2722155.69	0.3	92.8	70	120	
Sc (ISICPMS)	45	He	110894.01	0.9	91.7	70	120	
Ge (IS)	74	H2	539153.79	0.3	87.0	70	120	
Ge (IS)	74	He	61289.70	1.3	88.2	70	120	
Kr	83	He	10.01	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135960.20	2.0	93.9	70	120	
Tb (IS)	159	He	680651.52	1.4	94.6	70	120	
Bi (IS)	209	He	537672.57	0.9	92.5	70	120	

Sample Report

File Name 053SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:25:38

Sample Name **460-300430-E-1-B**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	29.0	1800	
B	11	6	No Gas	282.678	ug/l	1.6	1800	
Na	23	45	He	957185.139	ug/l	1.5	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	26313.990	ug/l	1.1	450000	
Al	27	45	He	-4.016	ug/l	N/A	450000	
K	39	45	He	28578.950	ug/l	1.1	450000	
Ca	40	45	H2	164987.836	ug/l	1.6	900000	
Ti	47	45	No Gas	5.272	ug/l	2.4	9000	
V	51	74	He	-0.643	ug/l	N/A	4500	
Cr	52	74	He	-1.000	ug/l	N/A	18000	
Mn	55	74	He	1265.294	ug/l	0.5	18000	
Fe	56	74	H2	10.913	ug/l	26.3	450000	
Co	59	74	He	0.245	ug/l	5.5	1800	
Ni	60	74	He	1.228	ug/l	15.9	18000	
Cu	63	74	He	0.071	ug/l	62.6	18000	
Zn	66	74	He	1.633	ug/l	35.7	18000	
As	75	74	He	0.229	ug/l	73.9	4500	
Se	78	74	H2	0.093	ug/l	95.0	2700	
Sr	88	115	He	1259.853	ug/l	1.3	4500	
Mo	95	115	He	1.185	ug/l	4.7	1800	
Ag	107	115	He	0.001	ug/l	349.8	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-1.144	ug/l	N/A	1800	
Sb	121	115	He	0.225	ug/l	6.2	900	
Ba	137	159	He	351.756	ug/l	1.4	18000	
Tl	205	159	He	-0.004	ug/l	N/A	900	
(Pb)	206	209	He	-0.010	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.019	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1146458.90	1.4	76.6	70	120	
Sc (ISICPMS)	45	No Gas	8893219.87	0.4	89.5	70	120	
Sc (ISICPMS)	45	H2	2748466.03	0.7	93.7	70	120	
Sc (ISICPMS)	45	He	114699.93	1.3	94.9	70	120	
Ge (IS)	74	H2	531142.02	0.4	85.7	70	120	
Ge (IS)	74	He	60697.34	0.1	87.3	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132002.51	0.9	91.1	70	120	
Tb (IS)	159	He	661628.65	0.3	92.0	70	120	
Bi (IS)	209	He	507237.64	0.6	87.2	70	120	

Sample Report

File Name 054SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:27:59

Sample Name **460-300430-D-2-B**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	19.9	1800	
B	11	6	No Gas	114.953	ug/l	0.6	1800	
Na	23	45	He	147509.796	ug/l	1.1	450000	
Mg	24	45	He	6208.640	ug/l	0.2	450000	
Al	27	45	He	17.025	ug/l	32.5	450000	
K	39	45	He	26383.444	ug/l	1.1	450000	
Ca	40	45	H2	93143.132	ug/l	2.3	900000	
Ti	47	45	No Gas	1.256	ug/l	10.3	9000	
V	51	74	He	1.789	ug/l	2.0	4500	
Cr	52	74	He	-1.019	ug/l	N/A	18000	
Mn	55	74	He	25.628	ug/l	0.6	18000	
Fe	56	74	H2	25.304	ug/l	2.3	450000	
Co	59	74	He	0.121	ug/l	21.3	1800	
Ni	60	74	He	0.803	ug/l	8.0	18000	
Cu	63	74	He	0.600	ug/l	6.0	18000	
Zn	66	74	He	0.935	ug/l	41.7	18000	
As	75	74	He	0.863	ug/l	35.3	4500	
Se	78	74	H2	0.159	ug/l	14.6	2700	
Sr	88	115	He	1160.873	ug/l	0.9	4500	
Mo	95	115	He	8.800	ug/l	5.6	1800	
Ag	107	115	He	0.003	ug/l	0.8	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.437	ug/l	N/A	1800	
Sb	121	115	He	0.721	ug/l	7.9	900	
Ba	137	159	He	77.920	ug/l	1.3	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.058	ug/l	41.0		
(Pb)	207	209	He	0.046	ug/l	41.4		
Pb	208	209	He	0.045	ug/l	4.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1147033.31	0.7	76.7	70	120	
Sc (ISICPMS)	45	No Gas	9231334.58	1.9	92.9	70	120	
Sc (ISICPMS)	45	H2	2812174.02	0.6	95.9	70	120	
Sc (ISICPMS)	45	He	115595.74	1.0	95.6	70	120	
Ge (IS)	74	H2	559570.85	0.4	90.3	70	120	
Ge (IS)	74	He	62937.74	0.3	90.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137746.28	0.3	95.1	70	120	
Tb (IS)	159	He	694151.53	0.6	96.5	70	120	
Bi (IS)	209	He	548538.16	0.7	94.4	70	120	

Sample Report

File Name 055SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:30:23

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.014	ug/l	17.5	1800	
B	11	6	No Gas	-3.184	ug/l	N/A	1800	
Na	23	45	He	10.400	ug/l	41.0	450000	
Mg	24	45	He	1.697	ug/l	36.6	450000	
Al	27	45	He	-4.591	ug/l	N/A	450000	
K	39	45	He	-54.369	ug/l	N/A	450000	
Ca	40	45	H2	15.952	ug/l	3.6	900000	
Ti	47	45	No Gas	-0.514	ug/l	N/A	9000	
V	51	74	He	-0.551	ug/l	N/A	4500	
Cr	52	74	He	0.050	ug/l	344.6	18000	
Mn	55	74	He	0.045	ug/l	113.5	18000	
Fe	56	74	H2	-3.277	ug/l	N/A	450000	
Co	59	74	He	0.000	ug/l	N/A	1800	
Ni	60	74	He	-0.124	ug/l	N/A	18000	
Cu	63	74	He	0.052	ug/l	107.7	18000	
Zn	66	74	He	0.669	ug/l	119.4	18000	
As	75	74	He	-0.151	ug/l	N/A	4500	
Se	78	74	H2	-0.004	ug/l	N/A	2700	
Sr	88	115	He	0.222	ug/l	12.8	4500	
Mo	95	115	He	0.086	ug/l	41.2	1800	
Ag	107	115	He	0.003	ug/l	138.2	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.867	ug/l	N/A	1800	
Sb	121	115	He	-0.056	ug/l	N/A	900	
Ba	137	159	He	0.025	ug/l	267.4	18000	
Tl	205	159	He	0.012	ug/l	3.3	900	
(Pb)	206	209	He	0.023	ug/l	98.7		
(Pb)	207	209	He	0.005	ug/l	297.8		
Pb	208	209	He	0.025	ug/l	19.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1071135.39	1.9	71.6	70	120	
Sc (ISICPMS)	45	No Gas	8926031.19	2.3	89.9	70	120	
Sc (ISICPMS)	45	H2	2773802.60	0.5	94.5	70	120	
Sc (ISICPMS)	45	He	113353.37	1.6	93.7	70	120	
Ge (IS)	74	H2	546240.90	0.3	88.2	70	120	
Ge (IS)	74	He	60687.31	1.6	87.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138621.28	0.4	95.7	70	120	
Tb (IS)	159	He	693668.12	0.3	96.4	70	120	
Bi (IS)	209	He	560540.89	0.4	96.4	70	120	

Sample Report

File Name 056SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:32:45

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.021	ug/l	21.7	1800	
B	11	6	No Gas	-3.756	ug/l	N/A	1800	
Na	23	45	He	-8.982	ug/l	N/A	450000	
Mg	24	45	He	1.104	ug/l	20.7	450000	
Al	27	45	He	-3.126	ug/l	N/A	450000	
K	39	45	He	-47.487	ug/l	N/A	450000	
Ca	40	45	H2	4.404	ug/l	20.2	900000	
Ti	47	45	No Gas	-0.465	ug/l	N/A	9000	
V	51	74	He	-0.510	ug/l	N/A	4500	
Cr	52	74	He	-0.393	ug/l	N/A	18000	
Mn	55	74	He	0.060	ug/l	174.5	18000	
Fe	56	74	H2	-3.400	ug/l	N/A	450000	
Co	59	74	He	0.008	ug/l	118.1	1800	
Ni	60	74	He	-0.075	ug/l	N/A	18000	
Cu	63	74	He	0.101	ug/l	65.1	18000	
Zn	66	74	He	0.872	ug/l	31.4	18000	
As	75	74	He	-0.098	ug/l	N/A	4500	
Se	78	74	H2	-0.034	ug/l	N/A	2700	
Sr	88	115	He	0.101	ug/l	42.8	4500	
Mo	95	115	He	0.009	ug/l	268.3	1800	
Ag	107	115	He	0.004	ug/l	107.2	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.990	ug/l	N/A	1800	
Sb	121	115	He	-0.086	ug/l	N/A	900	
Ba	137	159	He	0.104	ug/l	92.3	18000	
Tl	205	159	He	0.016	ug/l	16.5	900	
(Pb)	206	209	He	0.020	ug/l	130.6		
(Pb)	207	209	He	0.034	ug/l	59.5		
Pb	208	209	He	0.030	ug/l	50.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1043654.35	1.3	69.8	70	120	fail
Sc (ISICPMS)	45	No Gas	9076265.77	1.5	91.4	70	120	
Sc (ISICPMS)	45	H2	2750613.01	0.9	93.8	70	120	
Sc (ISICPMS)	45	He	111407.82	1.0	92.1	70	120	
Ge (IS)	74	H2	546038.34	1.3	88.1	70	120	
Ge (IS)	74	He	60736.26	0.9	87.4	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137879.65	1.5	95.2	70	120	
Tb (IS)	159	He	685416.81	0.7	95.3	70	120	
Bi (IS)	209	He	558288.44	0.2	96.0	70	120	

Continuing Calibration Verification (CCV)

File Name 057_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:35:09

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	95.719	ug/l	1.1	100	90	110	
B	11	6	No Gas	252.711	ug/l	1.9	250	225	275	
Na	23	45	He	25249.572	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	24880.887	ug/l	0.9	25000	22500	27500	
Al	27	45	He	24576.961	ug/l	0.4	25000	22500	27500	
K	39	45	He	24729.522	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	24686.762	ug/l	3.4	25000	22500	27500	
Ti	47	45	No Gas	100.899	ug/l	2.7	100	90	110	
V	51	74	He	102.771	ug/l	1.5	100	90	110	
Cr	52	74	He	104.139	ug/l	1.3	100	90	110	
Mn	55	74	He	104.513	ug/l	1.5	100	90	110	
Fe	56	74	H2	25772.747	ug/l	2.7	25000	22500	27500	
Co	59	74	He	105.000	ug/l	1.8	100	90	110	
Ni	60	74	He	105.758	ug/l	1.1	100	90	110	
Cu	63	74	He	104.874	ug/l	0.9	100	90	110	
Zn	66	74	He	260.819	ug/l	0.1	250	225	275	
As	75	74	He	102.126	ug/l	1.7	100	90	110	
Se	78	74	H2	102.499	ug/l	3.5	100	90	110	
Sr	88	115	He	98.849	ug/l	1.9	100	90	110	
Mo	95	115	He	100.543	ug/l	0.8	100	90	110	
Ag	107	115	He	50.335	ug/l	1.1	50	45	55	
Cd	111	115	He	101.260	ug/l	2.2	100	90	110	
Sn	118	115	He	99.525	ug/l	0.8	100	90	110	
Sb	121	115	He	101.161	ug/l	1.4	100	90	110	
Ba	137	159	He	100.883	ug/l	2.2	100	90	110	
Tl	205	159	He	101.551	ug/l	0.9	100	90	110	
(Pb)	206	209	He	100.497	ug/l	1.1				
(Pb)	207	209	He	99.528	ug/l	1.4				
Pb	208	209	He	100.205	ug/l	1.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1093688.73	2.1	73.1	70	120	
Sc (ISICPMS)	45	No Gas	8823612.93	0.8	88.8	70	120	
Sc (ISICPMS)	45	H2	2700984.09	0.3	92.1	70	120	
Sc (ISICPMS)	45	He	109941.77	0.5	90.9	70	120	
Ge (IS)	74	H2	531843.29	0.6	85.8	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	59480.08	0.8	85.6	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	133560.28	0.5	92.2	70	120	
Tb (IS)	159	He	675075.19	0.6	93.8	70	120	
Bi (IS)	209	He	537281.06	1.1	92.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 058_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:37:30

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.030	ug/l	20.5	0.8	-0.8	0.8	
B	11	6	No Gas	-3.841	ug/l	N/A	80	-80	80	
Na	23	45	He	-9.837	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.891	ug/l	36.0	200	-200	200	
Al	27	45	He	-0.565	ug/l	N/A	40	-40	40	
K	39	45	He	-57.988	ug/l	N/A	200	-200	200	
Ca	40	45	H2	0.853	ug/l	18.4	500	-500	500	
Ti	47	45	No Gas	-0.171	ug/l	N/A	4	-4	4	
V	51	74	He	-0.604	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.071	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.057	ug/l	165.9	8	-8	8	
Fe	56	74	H2	1.126	ug/l	73.0	120	-120	120	
Co	59	74	He	0.005	ug/l	114.8	4	-4	4	
Ni	60	74	He	-0.059	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.058	ug/l	9.5	4	-4	4	
Zn	66	74	He	0.710	ug/l	42.2	16	-16	16	
As	75	74	He	0.093	ug/l	196.2	2	-2	2	
Se	78	74	H2	0.083	ug/l	41.5	2.5	-2.5	2.5	
Sr	88	115	He	0.006	ug/l	384.5	4	-4	4	
Mo	95	115	He	0.079	ug/l	45.3	4	-4	4	
Ag	107	115	He	0.003	ug/l	264.3	2	-2	2	
Cd	111	115	He	0.007	ug/l	379.6	2	-2	2	
Sn	118	115	He	-0.685	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.053	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.042	ug/l	201.8	4	-4	4	
Tl	205	159	He	0.034	ug/l	15.5	0.8	-0.8	0.8	
(Pb)	206	209	He	0.038	ug/l	42.4				
(Pb)	207	209	He	0.016	ug/l	131.2				
Pb	208	209	He	0.025	ug/l	18.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1047052.90	0.9	70.0	70	120	fail
Sc (ISICPMS)	45	No Gas	8908306.54	1.9	89.7	70	120	
Sc (ISICPMS)	45	H2	2734878.09	0.4	93.2	70	120	
Sc (ISICPMS)	45	He	110335.52	0.9	91.2	70	120	
Ge (IS)	74	H2	538563.42	1.0	86.9	70	120	
Ge (IS)	74	He	60465.30	1.7	87.0	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	134915.92	0.0	93.2	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	676896.18	0.5	94.1	70	120	
Bi (IS)	209	He	554844.03	0.6	95.4	70	120	

Sample Report

File Name 059SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:39:53

Sample Name **460-300430-D-3-B**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	22.9	1800	
B	11	6	No Gas	200.256	ug/l	1.6	1800	
Na	23	45	He	402180.700	ug/l	0.7	450000	
Mg	24	45	He	7014.827	ug/l	0.4	450000	
Al	27	45	He	-4.985	ug/l	N/A	450000	
K	39	45	He	24356.082	ug/l	1.3	450000	
Ca	40	45	H2	112670.769	ug/l	3.0	900000	
Ti	47	45	No Gas	0.874	ug/l	7.7	9000	
V	51	74	He	-0.635	ug/l	N/A	4500	
Cr	52	74	He	-1.133	ug/l	N/A	18000	
Mn	55	74	He	84.328	ug/l	0.9	18000	
Fe	56	74	H2	-3.184	ug/l	N/A	450000	
Co	59	74	He	1.190	ug/l	3.8	1800	
Ni	60	74	He	0.600	ug/l	13.5	18000	
Cu	63	74	He	0.210	ug/l	33.8	18000	
Zn	66	74	He	1.125	ug/l	49.0	18000	
As	75	74	He	12.975	ug/l	4.7	4500	
Se	78	74	H2	0.083	ug/l	88.5	2700	
Sr	88	115	He	1145.073	ug/l	1.1	4500	
Mo	95	115	He	1.328	ug/l	9.6	1800	
Ag	107	115	He	0.002	ug/l	202.6	900	
Cd	111	115	He	0.019	ug/l	156.9	4500	
Sn	118	115	He	-1.172	ug/l	N/A	1800	
Sb	121	115	He	0.255	ug/l	7.3	900	
Ba	137	159	He	7.500	ug/l	3.9	18000	
Tl	205	159	He	0.007	ug/l	13.4	900	
(Pb)	206	209	He	0.004	ug/l	127.0		
(Pb)	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.013	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1118315.03	0.6	74.8	70	120	
Sc (ISICPMS)	45	No Gas	8978042.51	1.1	90.4	70	120	
Sc (ISICPMS)	45	H2	2736416.25	0.1	93.3	70	120	
Sc (ISICPMS)	45	He	111847.73	1.9	92.5	70	120	
Ge (IS)	74	H2	538165.29	1.2	86.8	70	120	
Ge (IS)	74	He	59974.42	1.5	86.3	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131758.15	1.8	91.0	70	120	
Tb (IS)	159	He	662205.61	1.1	92.0	70	120	
Bi (IS)	209	He	516374.90	1.7	88.8	70	120	

Sample Report

File Name 060SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:42:15

Sample Name **460-300428-H-5-B**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	28.2	1800	
B	11	6	No Gas	24.566	ug/l	0.7	1800	
Na	23	45	He	10261.903	ug/l	1.3	450000	
Mg	24	45	He	20325.324	ug/l	1.4	450000	
Al	27	45	He	-3.809	ug/l	N/A	450000	
K	39	45	He	1946.655	ug/l	0.3	450000	
Ca	40	45	H2	49606.279	ug/l	2.5	900000	
Ti	47	45	No Gas	1.445	ug/l	8.0	9000	
V	51	74	He	-0.287	ug/l	N/A	4500	
Cr	52	74	He	-1.153	ug/l	N/A	18000	
Mn	55	74	He	301.696	ug/l	1.2	18000	
Fe	56	74	H2	-5.377	ug/l	N/A	450000	
Co	59	74	He	0.168	ug/l	13.8	1800	
Ni	60	74	He	2.546	ug/l	15.6	18000	
Cu	63	74	He	0.172	ug/l	33.9	18000	
Zn	66	74	He	1.359	ug/l	32.8	18000	
As	75	74	He	0.594	ug/l	24.1	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	313.690	ug/l	1.2	4500	
Mo	95	115	He	1.415	ug/l	12.3	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.191	ug/l	N/A	1800	
Sb	121	115	He	0.191	ug/l	8.9	900	
Ba	137	159	He	420.280	ug/l	1.3	18000	
Tl	205	159	He	0.055	ug/l	12.1	900	
(Pb)	206	209	He	-0.020	ug/l	N/A		
(Pb)	207	209	He	-0.024	ug/l	N/A		
Pb	208	209	He	-0.022	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1080763.84	0.6	72.2	70	120	
Sc (ISICPMS)	45	No Gas	8927717.30	0.4	89.9	70	120	
Sc (ISICPMS)	45	H2	2736461.42	0.9	93.3	70	120	
Sc (ISICPMS)	45	He	111081.42	1.8	91.9	70	120	
Ge (IS)	74	H2	548608.38	0.7	88.5	70	120	
Ge (IS)	74	He	60879.32	1.3	87.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136248.40	1.9	94.1	70	120	
Tb (IS)	159	He	682848.68	0.5	94.9	70	120	
Bi (IS)	209	He	546752.85	1.2	94.0	70	120	

Sample Report

File Name 061SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:44:38

Sample Name **460-300428-G-6-B**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	41.5	1800	
B	11	6	No Gas	22.152	ug/l	5.8	1800	
Na	23	45	He	70186.530	ug/l	1.2	450000	
Mg	24	45	He	74633.216	ug/l	0.6	450000	
Al	27	45	He	-4.250	ug/l	N/A	450000	
K	39	45	He	3417.966	ug/l	0.6	450000	
Ca	40	45	H2	316867.161	ug/l	1.8	900000	
Ti	47	45	No Gas	2.152	ug/l	2.9	9000	
V	51	74	He	-0.807	ug/l	N/A	4500	
Cr	52	74	He	-1.269	ug/l	N/A	18000	
Mn	55	74	He	1833.737	ug/l	1.3	18000	
Fe	56	74	H2	4679.788	ug/l	2.1	450000	
Co	59	74	He	1.173	ug/l	3.6	1800	
Ni	60	74	He	4.051	ug/l	1.5	18000	
Cu	63	74	He	-0.036	ug/l	N/A	18000	
Zn	66	74	He	13.257	ug/l	4.5	18000	
As	75	74	He	-0.127	ug/l	N/A	4500	
Se	78	74	H2	0.058	ug/l	89.1	2700	
Sr	88	115	He	962.775	ug/l	0.2	4500	
Mo	95	115	He	0.222	ug/l	20.2	1800	
Ag	107	115	He	0.000	ug/l	383.7	900	
Cd	111	115	He	0.537	ug/l	6.6	4500	
Sn	118	115	He	-1.334	ug/l	N/A	1800	
Sb	121	115	He	0.202	ug/l	54.3	900	
Ba	137	159	He	407.367	ug/l	0.9	18000	
Tl	205	159	He	0.001	ug/l	1090.5	900	
(Pb)	206	209	He	-0.032	ug/l	N/A		
(Pb)	207	209	He	-0.013	ug/l	N/A		
Pb	208	209	He	-0.022	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1091404.72	0.6	73.0	70	120	
Sc (ISICPMS)	45	No Gas	9110144.73	1.7	91.7	70	120	
Sc (ISICPMS)	45	H2	2779616.07	1.6	94.7	70	120	
Sc (ISICPMS)	45	He	112601.00	1.0	93.1	70	120	
Ge (IS)	74	H2	546030.60	1.1	88.1	70	120	
Ge (IS)	74	He	61496.14	0.5	88.5	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136558.31	0.0	94.3	70	120	
Tb (IS)	159	He	685974.32	1.1	95.4	70	120	
Bi (IS)	209	He	536734.45	0.5	92.3	70	120	

Sample Report

File Name 062SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:46:58

Sample Name **460-300428-H-7-B**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.168	ug/l	8.0	1800	
B	11	6	No Gas	105.653	ug/l	1.0	1800	
Na	23	45	He	76622.709	ug/l	1.6	450000	
Mg	24	45	He	18836.764	ug/l	1.2	450000	
Al	27	45	He	-0.379	ug/l	N/A	450000	
K	39	45	He	2277.985	ug/l	1.4	450000	
Ca	40	45	H2	78485.824	ug/l	2.4	900000	
Ti	47	45	No Gas	2.460	ug/l	9.9	9000	
V	51	74	He	-0.829	ug/l	N/A	4500	
Cr	52	74	He	-0.960	ug/l	N/A	18000	
Mn	55	74	He	1576.633	ug/l	1.2	18000	
Fe	56	74	H2	626.423	ug/l	2.2	450000	
Co	59	74	He	30.415	ug/l	0.3	1800	
Ni	60	74	He	35.349	ug/l	2.6	18000	
Cu	63	74	He	0.155	ug/l	27.4	18000	
Zn	66	74	He	34.534	ug/l	3.3	18000	
As	75	74	He	0.500	ug/l	27.0	4500	
Se	78	74	H2	0.085	ug/l	85.0	2700	
Sr	88	115	He	214.217	ug/l	0.4	4500	
Mo	95	115	He	0.289	ug/l	17.9	1800	
Ag	107	115	He	0.001	ug/l	269.5	900	
Cd	111	115	He	0.130	ug/l	33.2	4500	
Sn	118	115	He	-1.182	ug/l	N/A	1800	
Sb	121	115	He	0.187	ug/l	36.9	900	
Ba	137	159	He	120.227	ug/l	1.0	18000	
Tl	205	159	He	0.009	ug/l	38.0	900	
(Pb)	206	209	He	1.972	ug/l	2.2		
(Pb)	207	209	He	2.005	ug/l	3.4		
Pb	208	209	He	1.985	ug/l	1.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1147089.63	2.1	76.7	70	120	
Sc (ISICPMS)	45	No Gas	9162509.59	3.6	92.3	70	120	
Sc (ISICPMS)	45	H2	2800045.48	1.2	95.4	70	120	
Sc (ISICPMS)	45	He	114030.60	1.3	94.3	70	120	
Ge (IS)	74	H2	558097.91	0.4	90.1	70	120	
Ge (IS)	74	He	61819.82	1.7	89.0	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138694.60	0.9	95.8	70	120	
Tb (IS)	159	He	693423.55	0.9	96.4	70	120	
Bi (IS)	209	He	548183.43	1.0	94.3	70	120	

Sample Report

File Name 063SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:49:21

Sample Name **460-300428-H-12-B**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	37.8	1800	
B	11	6	No Gas	-5.502	ug/l	N/A	1800	
Na	23	45	He	-48.265	ug/l	N/A	450000	
Mg	24	45	He	3.506	ug/l	15.4	450000	
Al	27	45	He	-4.129	ug/l	N/A	450000	
K	39	45	He	-75.270	ug/l	N/A	450000	
Ca	40	45	H2	12.239	ug/l	7.3	900000	
Ti	47	45	No Gas	-0.783	ug/l	N/A	9000	
V	51	74	He	-0.797	ug/l	N/A	4500	
Cr	52	74	He	-1.176	ug/l	N/A	18000	
Mn	55	74	He	0.173	ug/l	41.4	18000	
Fe	56	74	H2	-6.635	ug/l	N/A	450000	
Co	59	74	He	-0.002	ug/l	N/A	1800	
Ni	60	74	He	-0.338	ug/l	N/A	18000	
Cu	63	74	He	0.258	ug/l	27.1	18000	
Zn	66	74	He	2.189	ug/l	14.3	18000	
As	75	74	He	-0.169	ug/l	N/A	4500	
Se	78	74	H2	-0.005	ug/l	N/A	2700	
Sr	88	115	He	0.049	ug/l	19.6	4500	
Mo	95	115	He	-0.039	ug/l	N/A	1800	
Ag	107	115	He	0.004	ug/l	168.3	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-1.271	ug/l	N/A	1800	
Sb	121	115	He	0.027	ug/l	111.7	900	
Ba	137	159	He	0.046	ug/l	141.1	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.009	ug/l	203.9		
(Pb)	207	209	He	0.007	ug/l	58.0		
Pb	208	209	He	-0.001	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1083008.22	1.5	72.4	70	120	
Sc (ISICPMS)	45	No Gas	9045473.89	2.5	91.1	70	120	
Sc (ISICPMS)	45	H2	2813295.72	1.3	95.9	70	120	
Sc (ISICPMS)	45	He	114722.15	1.0	94.9	70	120	
Ge (IS)	74	H2	555691.76	0.4	89.7	70	120	
Ge (IS)	74	He	61894.45	0.9	89.1	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141420.54	1.3	97.6	70	120	
Tb (IS)	159	He	696076.59	1.1	96.8	70	120	
Bi (IS)	209	He	568455.70	1.7	97.8	70	120	

Sample Report

File Name 064SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:51:44

Sample Name **MB 460-966021/1-A**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	58.4	1800	
B	11	6	No Gas	-5.941	ug/l	N/A	1800	
Na	23	45	He	-50.666	ug/l	N/A	450000	
Mg	24	45	He	1.533	ug/l	14.9	450000	
Al	27	45	He	-3.442	ug/l	N/A	450000	
K	39	45	He	-64.497	ug/l	N/A	450000	
Ca	40	45	H2	7.221	ug/l	20.5	900000	
Ti	47	45	No Gas	-0.772	ug/l	N/A	9000	
V	51	74	He	-0.793	ug/l	N/A	4500	
Cr	52	74	He	-0.113	ug/l	N/A	18000	
Mn	55	74	He	0.063	ug/l	66.4	18000	
Fe	56	74	H2	0.872	ug/l	11.9	450000	
Co	59	74	He	-0.008	ug/l	N/A	1800	
Ni	60	74	He	0.005	ug/l	1061.2	18000	
Cu	63	74	He	0.113	ug/l	44.2	18000	
Zn	66	74	He	3.132	ug/l	7.8	18000	
As	75	74	He	-0.209	ug/l	N/A	4500	
Se	78	74	H2	-0.027	ug/l	N/A	2700	
Sr	88	115	He	0.000	ug/l	159974.9	4500	
Mo	95	115	He	-0.019	ug/l	N/A	1800	
Ag	107	115	He	0.000	ug/l	2373.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.854	ug/l	N/A	1800	
Sb	121	115	He	-0.111	ug/l	N/A	900	
Ba	137	159	He	0.003	ug/l	1256.6	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.012	ug/l	N/A		
(Pb)	207	209	He	-0.037	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1135505.24	0.8	75.9	70	120	
Sc (ISICPMS)	45	No Gas	9270054.17	0.6	93.3	70	120	
Sc (ISICPMS)	45	H2	2819874.68	1.8	96.1	70	120	
Sc (ISICPMS)	45	He	114680.16	0.8	94.8	70	120	
Ge (IS)	74	H2	554247.36	0.5	89.4	70	120	
Ge (IS)	74	He	61894.54	1.1	89.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141241.19	1.6	97.5	70	120	
Tb (IS)	159	He	699224.23	1.5	97.2	70	120	
Bi (IS)	209	He	568114.13	1.6	97.7	70	120	

Sample Report

File Name 065SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:54:07

Sample Name **LCS 460-966021/2-A**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	20.574	ug/l	1.0	1800	
B	11	6	No Gas	517.661	ug/l	1.6	1800	
Na	23	45	He	2437.388	ug/l	2.2	450000	
Mg	24	45	He	2382.668	ug/l	0.8	450000	
Al	27	45	He	2331.608	ug/l	2.9	450000	
K	39	45	He	2309.186	ug/l	0.7	450000	
Ca	40	45	H2	2422.747	ug/l	2.3	900000	
Ti	47	45	No Gas	47.594	ug/l	2.1	9000	
V	51	74	He	48.961	ug/l	2.6	4500	
Cr	52	74	He	50.104	ug/l	0.8	18000	
Mn	55	74	He	243.197	ug/l	1.5	18000	
Fe	56	74	H2	2459.336	ug/l	2.0	450000	
Co	59	74	He	25.586	ug/l	2.1	1800	
Ni	60	74	He	51.972	ug/l	0.5	18000	
Cu	63	74	He	51.207	ug/l	2.0	18000	
Zn	66	74	He	247.916	ug/l	1.0	18000	
As	75	74	He	48.747	ug/l	1.7	4500	
Se	78	74	H2	48.867	ug/l	1.7	2700	
Sr	88	115	He	46.651	ug/l	2.2	4500	
Mo	95	115	He	45.801	ug/l	0.5	1800	
Ag	107	115	He	23.712	ug/l	0.7	900	
Cd	111	115	He	23.726	ug/l	1.4	4500	
Sn	118	115	He	47.217	ug/l	0.5	1800	
Sb	121	115	He	22.665	ug/l	1.4	900	
Ba	137	159	He	48.726	ug/l	0.5	18000	
Tl	205	159	He	19.373	ug/l	0.2	900	
(Pb)	206	209	He	24.189	ug/l	0.3		
(Pb)	207	209	He	23.656	ug/l	0.6		
Pb	208	209	He	23.991	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1005074.25	0.7	67.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8923046.40	1.8	89.8	70	120	
Sc (ISICPMS)	45	H2	2750281.38	1.3	93.7	70	120	
Sc (ISICPMS)	45	He	110449.41	1.2	91.3	70	120	
Ge (IS)	74	H2	542115.30	1.4	87.5	70	120	
Ge (IS)	74	He	59858.34	0.7	86.1	70	120	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137179.24	1.1	94.7	70	120	
Tb (IS)	159	He	685677.73	1.0	95.3	70	120	
Bi (IS)	209	He	554065.04	1.2	95.3	70	120	

Sample Report

File Name 066SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:56:28

Sample Name **460-300343-I-9-A DU**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.068	ug/l	25.7	1800	
B	11	6	No Gas	75.058	ug/l	0.6	1800	
Na	23	45	He	64812.753	ug/l	2.0	450000	
Mg	24	45	He	19767.492	ug/l	1.3	450000	
Al	27	45	He	254.190	ug/l	0.8	450000	
K	39	45	He	3586.176	ug/l	0.9	450000	
Ca	40	45	H2	142468.404	ug/l	1.5	900000	
Ti	47	45	No Gas	3.937	ug/l	5.8	9000	
V	51	74	He	0.961	ug/l	19.8	4500	
Cr	52	74	He	-0.441	ug/l	N/A	18000	
Mn	55	74	He	539.613	ug/l	1.5	18000	
Fe	56	74	H2	383.024	ug/l	2.4	450000	
Co	59	74	He	1.301	ug/l	3.6	1800	
Ni	60	74	He	1.977	ug/l	10.9	18000	
Cu	63	74	He	4.039	ug/l	4.4	18000	
Zn	66	74	He	13.927	ug/l	3.3	18000	
As	75	74	He	1.130	ug/l	7.9	4500	
Se	78	74	H2	2.148	ug/l	8.8	2700	
Sr	88	115	He	310.252	ug/l	0.8	4500	
Mo	95	115	He	2.219	ug/l	1.2	1800	
Ag	107	115	He	0.003	ug/l	88.1	900	
Cd	111	115	He	0.034	ug/l	84.1	4500	
Sn	118	115	He	-1.096	ug/l	N/A	1800	
Sb	121	115	He	0.034	ug/l	101.9	900	
Ba	137	159	He	244.732	ug/l	3.2	18000	
Tl	205	159	He	0.010	ug/l	34.8	900	
(Pb)	206	209	He	0.861	ug/l	7.2		
(Pb)	207	209	He	0.895	ug/l	4.3		
Pb	208	209	He	0.888	ug/l	3.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1053824.61	2.1	70.4	70	120	
Sc (ISICPMS)	45	No Gas	8973595.98	1.3	90.4	70	120	
Sc (ISICPMS)	45	H2	2759415.58	1.0	94.1	70	120	
Sc (ISICPMS)	45	He	112701.96	0.9	93.2	70	120	
Ge (IS)	74	H2	554064.47	1.2	89.4	70	120	
Ge (IS)	74	He	62764.77	1.5	90.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138233.18	1.2	95.4	70	120	
Tb (IS)	159	He	695488.73	1.6	96.7	70	120	
Bi (IS)	209	He	548456.35	0.5	94.3	70	120	

Sample Report

File Name 067SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:58:52

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	48.2	1800	
B	11	6	No Gas	-4.214	ug/l	N/A	1800	
Na	23	45	He	-37.329	ug/l	N/A	450000	
Mg	24	45	He	0.757	ug/l	39.1	450000	
Al	27	45	He	-3.983	ug/l	N/A	450000	
K	39	45	He	-58.015	ug/l	N/A	450000	
Ca	40	45	H2	3.494	ug/l	21.5	900000	
Ti	47	45	No Gas	-0.391	ug/l	N/A	9000	
V	51	74	He	-0.735	ug/l	N/A	4500	
Cr	52	74	He	-0.361	ug/l	N/A	18000	
Mn	55	74	He	0.063	ug/l	53.5	18000	
Fe	56	74	H2	-3.427	ug/l	N/A	450000	
Co	59	74	He	0.006	ug/l	40.9	1800	
Ni	60	74	He	-0.036	ug/l	N/A	18000	
Cu	63	74	He	0.011	ug/l	305.0	18000	
Zn	66	74	He	1.020	ug/l	20.9	18000	
As	75	74	He	-0.122	ug/l	N/A	4500	
Se	78	74	H2	0.029	ug/l	215.0	2700	
Sr	88	115	He	0.015	ug/l	247.3	4500	
Mo	95	115	He	0.006	ug/l	977.4	1800	
Ag	107	115	He	0.006	ug/l	37.6	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.887	ug/l	N/A	1800	
Sb	121	115	He	-0.059	ug/l	N/A	900	
Ba	137	159	He	0.027	ug/l	124.1	18000	
Tl	205	159	He	0.012	ug/l	32.3	900	
(Pb)	206	209	He	0.041	ug/l	56.4		
(Pb)	207	209	He	0.038	ug/l	76.4		
Pb	208	209	He	0.038	ug/l	18.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	981572.44	0.7	65.6	70	120	fail
Sc (ISICPMS)	45	No Gas	9007189.31	1.2	90.7	70	120	
Sc (ISICPMS)	45	H2	2718293.19	1.2	92.7	70	120	
Sc (ISICPMS)	45	He	109601.85	2.0	90.6	70	120	
Ge (IS)	74	H2	539177.23	0.8	87.0	70	120	
Ge (IS)	74	He	60036.93	1.8	86.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136689.53	1.0	94.4	70	120	
Tb (IS)	159	He	683543.57	1.7	95.0	70	120	
Bi (IS)	209	He	552247.66	1.4	95.0	70	120	

Sample Report

File Name 068SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:01:15

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	89.5	1800	
B	11	6	No Gas	-4.715	ug/l	N/A	1800	
Na	23	45	He	-37.888	ug/l	N/A	450000	
Mg	24	45	He	1.796	ug/l	27.4	450000	
Al	27	45	He	-3.154	ug/l	N/A	450000	
K	39	45	He	-49.486	ug/l	N/A	450000	
Ca	40	45	H2	3.884	ug/l	34.6	900000	
Ti	47	45	No Gas	-0.531	ug/l	N/A	9000	
V	51	74	He	-0.676	ug/l	N/A	4500	
Cr	52	74	He	-0.339	ug/l	N/A	18000	
Mn	55	74	He	0.153	ug/l	53.4	18000	
Fe	56	74	H2	-2.873	ug/l	N/A	450000	
Co	59	74	He	0.003	ug/l	153.1	1800	
Ni	60	74	He	-0.025	ug/l	N/A	18000	
Cu	63	74	He	-0.003	ug/l	N/A	18000	
Zn	66	74	He	0.889	ug/l	37.6	18000	
As	75	74	He	-0.205	ug/l	N/A	4500	
Se	78	74	H2	0.008	ug/l	562.0	2700	
Sr	88	115	He	0.044	ug/l	23.4	4500	
Mo	95	115	He	-0.011	ug/l	N/A	1800	
Ag	107	115	He	0.009	ug/l	11.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.915	ug/l	N/A	1800	
Sb	121	115	He	-0.085	ug/l	N/A	900	
Ba	137	159	He	-0.014	ug/l	N/A	18000	
Tl	205	159	He	0.013	ug/l	26.3	900	
(Pb)	206	209	He	0.009	ug/l	299.1		
(Pb)	207	209	He	0.027	ug/l	34.6		
Pb	208	209	He	0.022	ug/l	59.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	946232.60	2.4	63.3	70	120	fail
Sc (ISICPMS)	45	No Gas	8858695.01	1.3	89.2	70	120	
Sc (ISICPMS)	45	H2	2646056.87	1.3	90.2	70	120	
Sc (ISICPMS)	45	He	110560.58	0.8	91.4	70	120	
Ge (IS)	74	H2	528612.37	1.4	85.3	70	120	
Ge (IS)	74	He	60211.07	1.8	86.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136778.16	0.6	94.4	70	120	
Tb (IS)	159	He	677478.72	0.8	94.2	70	120	
Bi (IS)	209	He	550270.88	0.8	94.7	70	120	

Continuing Calibration Verification (CCV)

File Name 069_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:03:38

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	94.256	ug/l	3.6	100	90	110	
B	11	6	No Gas	269.033	ug/l	3.3	250	225	275	
Na	23	45	He	25649.576	ug/l	1.0	25000	22500	27500	
Mg	24	45	He	25125.495	ug/l	1.1	25000	22500	27500	
Al	27	45	He	24787.460	ug/l	0.6	25000	22500	27500	
K	39	45	He	25189.878	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	25144.545	ug/l	0.5	25000	22500	27500	
Ti	47	45	No Gas	101.694	ug/l	2.8	100	90	110	
V	51	74	He	103.149	ug/l	2.6	100	90	110	
Cr	52	74	He	102.947	ug/l	0.7	100	90	110	
Mn	55	74	He	103.853	ug/l	3.4	100	90	110	
Fe	56	74	H2	25980.411	ug/l	1.9	25000	22500	27500	
Co	59	74	He	105.308	ug/l	1.9	100	90	110	
Ni	60	74	He	105.941	ug/l	2.3	100	90	110	
Cu	63	74	He	105.706	ug/l	1.4	100	90	110	
Zn	66	74	He	264.445	ug/l	1.9	250	225	275	
As	75	74	He	103.493	ug/l	1.6	100	90	110	
Se	78	74	H2	105.253	ug/l	2.0	100	90	110	
Sr	88	115	He	99.315	ug/l	0.7	100	90	110	
Mo	95	115	He	99.987	ug/l	0.6	100	90	110	
Ag	107	115	He	51.095	ug/l	0.3	50	45	55	
Cd	111	115	He	100.334	ug/l	2.0	100	90	110	
Sn	118	115	He	98.415	ug/l	1.1	100	90	110	
Sb	121	115	He	101.241	ug/l	1.8	100	90	110	
Ba	137	159	He	99.816	ug/l	2.7	100	90	110	
Tl	205	159	He	102.703	ug/l	1.0	100	90	110	
(Pb)	206	209	He	100.376	ug/l	0.9				
(Pb)	207	209	He	101.589	ug/l	0.2				
Pb	208	209	He	100.857	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	966854.37	2.8	64.6	70	120	fail
Sc (ISICPMS)	45	No Gas	8497634.04	1.6	85.6	70	120	
Sc (ISICPMS)	45	H2	2624567.24	0.8	89.5	70	120	
Sc (ISICPMS)	45	He	105454.81	0.9	87.2	70	120	
Ge (IS)	74	H2	522482.69	1.2	84.3	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58486.18	1.7	84.2	70	120	
Kr	83	He	13.35	86.6				
In-1	115	He	131168.02	0.7	90.6	70	120	
Tb (IS)	159	He	663050.86	1.2	92.2	70	120	
Bi (IS)	209	He	526343.23	0.8	90.5	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 070_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:05:59

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.026	ug/l	37.8	0.8	-0.8	0.8	
B	11	6	No Gas	-4.599	ug/l	N/A	80	-80	80	
Na	23	45	He	-23.855	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.710	ug/l	69.2	200	-200	200	
Al	27	45	He	-2.952	ug/l	N/A	40	-40	40	
K	39	45	He	-59.465	ug/l	N/A	200	-200	200	
Ca	40	45	H2	1.096	ug/l	24.4	500	-500	500	
Ti	47	45	No Gas	-0.394	ug/l	N/A	4	-4	4	
V	51	74	He	-0.758	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.022	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.060	ug/l	57.2	8	-8	8	
Fe	56	74	H2	0.419	ug/l	65.3	120	-120	120	
Co	59	74	He	0.017	ug/l	54.1	4	-4	4	
Ni	60	74	He	-0.003	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.012	ug/l	387.4	4	-4	4	
Zn	66	74	He	0.278	ug/l	22.0	16	-16	16	
As	75	74	He	-0.078	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.103	ug/l	68.0	2.5	-2.5	2.5	
Sr	88	115	He	0.011	ug/l	297.5	4	-4	4	
Mo	95	115	He	0.031	ug/l	27.1	4	-4	4	
Ag	107	115	He	0.005	ug/l	41.4	2	-2	2	
Cd	111	115	He	-0.010	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.764	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.071	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.010	ug/l	697.6	4	-4	4	
Tl	205	159	He	0.047	ug/l	9.7	0.8	-0.8	0.8	
(Pb)	206	209	He	0.020	ug/l	63.7				
(Pb)	207	209	He	0.019	ug/l	72.5				
Pb	208	209	He	0.020	ug/l	58.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	959895.12	0.5	64.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8760825.42	1.4	88.2	70	120	
Sc (ISICPMS)	45	H2	2634330.00	0.6	89.8	70	120	
Sc (ISICPMS)	45	He	107380.43	1.1	88.8	70	120	
Ge (IS)	74	H2	526407.21	1.1	84.9	70	120	
Ge (IS)	74	He	59439.01	1.1	85.5	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	133419.66	0.8	92.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	663491.48	0.8	92.2	70	120	
Bi (IS)	209	He	539981.39	0.9	92.9	70	120	

Sample Report

File Name 071SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:08:23

Sample Name **460-300343-I-9-B**

Comment ---

Dilution **1.0000**

Vial # 2312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.076	ug/l	26.0	1800	
B	11	6	No Gas	74.255	ug/l	2.8	1800	
Na	23	45	He	63773.819	ug/l	1.4	450000	
Mg	24	45	He	19696.637	ug/l	1.7	450000	
Al	27	45	He	238.855	ug/l	1.7	450000	
K	39	45	He	3561.299	ug/l	1.1	450000	
Ca	40	45	H2	144355.644	ug/l	2.0	900000	
Ti	47	45	No Gas	3.761	ug/l	3.2	9000	
V	51	74	He	0.953	ug/l	5.9	4500	
Cr	52	74	He	-0.232	ug/l	N/A	18000	
Mn	55	74	He	545.843	ug/l	0.5	18000	
Fe	56	74	H2	389.124	ug/l	1.9	450000	
Co	59	74	He	1.318	ug/l	3.0	1800	
Ni	60	74	He	2.182	ug/l	6.7	18000	
Cu	63	74	He	4.169	ug/l	4.9	18000	
Zn	66	74	He	10.887	ug/l	7.0	18000	
As	75	74	He	0.910	ug/l	36.3	4500	
Se	78	74	H2	1.897	ug/l	11.2	2700	
Sr	88	115	He	306.853	ug/l	1.9	4500	
Mo	95	115	He	2.023	ug/l	8.8	1800	
Ag	107	115	He	0.004	ug/l	27.1	900	
Cd	111	115	He	0.031	ug/l	32.1	4500	
Sn	118	115	He	-1.117	ug/l	N/A	1800	
Sb	121	115	He	0.022	ug/l	61.2	900	
Ba	137	159	He	246.656	ug/l	0.5	18000	
Tl	205	159	He	0.011	ug/l	39.5	900	
(Pb)	206	209	He	0.883	ug/l	2.3		
(Pb)	207	209	He	0.899	ug/l	9.5		
Pb	208	209	He	0.878	ug/l	6.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	967871.21	1.9	64.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8729842.92	2.3	87.9	70	120	
Sc (ISICPMS)	45	H2	2655738.88	0.4	90.5	70	120	
Sc (ISICPMS)	45	He	106735.77	1.0	88.3	70	120	
Ge (IS)	74	H2	527584.59	0.5	85.1	70	120	
Ge (IS)	74	He	58653.62	0.8	84.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131562.22	1.4	90.8	70	120	
Tb (IS)	159	He	662590.63	1.3	92.1	70	120	
Bi (IS)	209	He	523289.57	1.3	90.0	70	120	

Sample Report

File Name 072SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:10:44

Sample Name **sd 460-300343-I-9-B@5**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	45.7	1800	
B	11	6	No Gas	11.184	ug/l	8.7	1800	
Na	23	45	He	12891.691	ug/l	2.8	450000	
Mg	24	45	He	3805.244	ug/l	1.8	450000	
Al	27	45	He	47.464	ug/l	2.5	450000	
K	39	45	He	662.970	ug/l	2.2	450000	
Ca	40	45	H2	28117.793	ug/l	2.5	900000	
Ti	47	45	No Gas	0.421	ug/l	28.5	9000	
V	51	74	He	-0.447	ug/l	N/A	4500	
Cr	52	74	He	0.332	ug/l	82.5	18000	
Mn	55	74	He	104.800	ug/l	1.6	18000	
Fe	56	74	H2	78.814	ug/l	3.0	450000	
Co	59	74	He	0.259	ug/l	5.5	1800	
Ni	60	74	He	0.531	ug/l	24.8	18000	
Cu	63	74	He	0.843	ug/l	2.5	18000	
Zn	66	74	He	3.823	ug/l	28.8	18000	
As	75	74	He	0.008	ug/l	1199.9	4500	
Se	78	74	H2	0.418	ug/l	19.3	2700	
Sr	88	115	He	59.569	ug/l	2.4	4500	
Mo	95	115	He	0.475	ug/l	6.2	1800	
Ag	107	115	He	0.004	ug/l	80.5	900	
Cd	111	115	He	0.002	ug/l	1057.3	4500	
Sn	118	115	He	-0.624	ug/l	N/A	1800	
Sb	121	115	He	-0.054	ug/l	N/A	900	
Ba	137	159	He	47.695	ug/l	2.0	18000	
Tl	205	159	He	0.004	ug/l	21.9	900	
(Pb)	206	209	He	0.170	ug/l	4.2		
(Pb)	207	209	He	0.145	ug/l	14.1		
Pb	208	209	He	0.181	ug/l	8.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	895742.47	0.7	59.9	70	120	fail
Sc (ISICPMS)	45	No Gas	8631211.61	0.9	86.9	70	120	
Sc (ISICPMS)	45	H2	2632452.93	0.6	89.7	70	120	
Sc (ISICPMS)	45	He	104559.62	1.8	86.5	70	120	
Ge (IS)	74	H2	529418.74	0.6	85.4	70	120	
Ge (IS)	74	He	59172.42	0.9	85.2	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131174.89	1.0	90.6	70	120	
Tb (IS)	159	He	660024.60	1.0	91.7	70	120	
Bi (IS)	209	He	531391.90	0.3	91.4	70	120	

Sample Report

File Name 073SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:13:06

Sample Name **460-300343-I-9-C MS**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.090	ug/l	1.4	1800	
B	11	6	No Gas	629.092	ug/l	1.7	1800	
Na	23	45	He	65984.469	ug/l	1.0	450000	
Mg	24	45	He	21858.393	ug/l	1.4	450000	
Al	27	45	He	2657.513	ug/l	1.1	450000	
K	39	45	He	5985.971	ug/l	1.0	450000	
Ca	40	45	H2	143511.063	ug/l	2.0	900000	
Ti	47	45	No Gas	53.832	ug/l	1.7	9000	
V	51	74	He	51.215	ug/l	1.7	4500	
Cr	52	74	He	49.353	ug/l	2.4	18000	
Mn	55	74	He	787.227	ug/l	1.4	18000	
Fe	56	74	H2	2909.280	ug/l	1.0	450000	
Co	59	74	He	26.547	ug/l	2.0	1800	
Ni	60	74	He	52.172	ug/l	2.6	18000	
Cu	63	74	He	54.669	ug/l	2.0	18000	
Zn	66	74	He	263.422	ug/l	1.7	18000	
As	75	74	He	50.829	ug/l	2.5	4500	
Se	78	74	H2	52.119	ug/l	1.5	2700	
Sr	88	115	He	353.008	ug/l	0.5	4500	
Mo	95	115	He	49.844	ug/l	2.8	1800	
Ag	107	115	He	24.764	ug/l	5.5	900	
Cd	111	115	He	24.941	ug/l	1.9	4500	
Sn	118	115	He	47.697	ug/l	2.6	1800	
Sb	121	115	He	23.123	ug/l	2.3	900	
Ba	137	159	He	294.215	ug/l	1.0	18000	
Tl	205	159	He	19.921	ug/l	0.7	900	
(Pb)	206	209	He	25.834	ug/l	1.0		
(Pb)	207	209	He	25.373	ug/l	2.2		
Pb	208	209	He	25.738	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	938136.19	1.1	62.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8692299.45	1.5	87.5	70	120	
Sc (ISICPMS)	45	H2	2700692.06	0.8	92.1	70	120	
Sc (ISICPMS)	45	He	108188.15	1.1	89.5	70	120	
Ge (IS)	74	H2	538101.68	0.6	86.8	70	120	
Ge (IS)	74	He	60145.08	1.7	86.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132493.90	0.7	91.5	70	120	
Tb (IS)	159	He	669454.63	0.6	93.1	70	120	
Bi (IS)	209	He	528149.51	0.5	90.8	70	120	

Sample Report

File Name 074SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:15:27

Sample Name **460-300343-I-9-D MSD**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.831	ug/l	1.6	1800	
B	11	6	No Gas	628.035	ug/l	2.2	1800	
Na	23	45	He	67248.884	ug/l	1.1	450000	
Mg	24	45	He	22044.016	ug/l	1.1	450000	
Al	27	45	He	2707.744	ug/l	0.6	450000	
K	39	45	He	6099.880	ug/l	1.3	450000	
Ca	40	45	H2	141864.267	ug/l	1.8	900000	
Ti	47	45	No Gas	55.095	ug/l	1.5	9000	
V	51	74	He	52.588	ug/l	1.7	4500	
Cr	52	74	He	51.376	ug/l	0.9	18000	
Mn	55	74	He	802.605	ug/l	1.1	18000	
Fe	56	74	H2	2910.738	ug/l	2.5	450000	
Co	59	74	He	27.011	ug/l	0.3	1800	
Ni	60	74	He	54.186	ug/l	1.2	18000	
Cu	63	74	He	56.333	ug/l	0.2	18000	
Zn	66	74	He	268.855	ug/l	1.3	18000	
As	75	74	He	54.126	ug/l	1.8	4500	
Se	78	74	H2	52.737	ug/l	5.5	2700	
Sr	88	115	He	356.211	ug/l	1.3	4500	
Mo	95	115	He	50.436	ug/l	0.7	1800	
Ag	107	115	He	24.380	ug/l	1.7	900	
Cd	111	115	He	24.866	ug/l	2.7	4500	
Sn	118	115	He	48.950	ug/l	2.3	1800	
Sb	121	115	He	23.496	ug/l	0.3	900	
Ba	137	159	He	297.918	ug/l	0.9	18000	
Tl	205	159	He	20.362	ug/l	1.5	900	
(Pb)	206	209	He	26.284	ug/l	0.2		
(Pb)	207	209	He	25.459	ug/l	1.2		
Pb	208	209	He	26.003	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	936076.17	0.7	62.6	70	120	fail
Sc (ISICPMS)	45	No Gas	8545063.14	1.9	86.0	70	120	
Sc (ISICPMS)	45	H2	2711741.10	0.3	92.4	70	120	
Sc (ISICPMS)	45	He	109300.51	0.6	90.4	70	120	
Ge (IS)	74	H2	538502.42	1.0	86.9	70	120	
Ge (IS)	74	He	60034.61	0.5	86.4	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134677.14	0.9	93.0	70	120	
Tb (IS)	159	He	675232.61	0.8	93.9	70	120	
Bi (IS)	209	He	533493.34	0.4	91.8	70	120	

Sample Report

File Name 075SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:17:49

Sample Name **460-299078-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	10.1	1800	
B	11	6	No Gas	24.279	ug/l	3.6	1800	
Na	23	45	He	6724.827	ug/l	0.2	450000	
Mg	24	45	He	5632.977	ug/l	1.0	450000	
Al	27	45	He	55.630	ug/l	6.5	450000	
K	39	45	He	3733.342	ug/l	0.8	450000	
Ca	40	45	H2	38467.459	ug/l	1.1	900000	
Ti	47	45	No Gas	0.778	ug/l	8.2	9000	
V	51	74	He	0.205	ug/l	11.2	4500	
Cr	52	74	He	-0.300	ug/l	N/A	18000	
Mn	55	74	He	108.053	ug/l	0.9	18000	
Fe	56	74	H2	3376.693	ug/l	1.1	450000	
Co	59	74	He	0.166	ug/l	10.2	1800	
Ni	60	74	He	0.386	ug/l	6.1	18000	
Cu	63	74	He	9.081	ug/l	2.5	18000	
Zn	66	74	He	14.585	ug/l	2.1	18000	
As	75	74	He	0.851	ug/l	12.6	4500	
Se	78	74	H2	0.145	ug/l	28.6	2700	
Sr	88	115	He	319.160	ug/l	0.7	4500	
Mo	95	115	He	0.993	ug/l	5.4	1800	
Ag	107	115	He	0.017	ug/l	18.3	900	
Cd	111	115	He	0.019	ug/l	92.4	4500	
Sn	118	115	He	-1.120	ug/l	N/A	1800	
Sb	121	115	He	0.676	ug/l	16.6	900	
Ba	137	159	He	20.217	ug/l	3.1	18000	
Tl	205	159	He	0.001	ug/l	473.0	900	
(Pb)	206	209	He	2.250	ug/l	4.1		
(Pb)	207	209	He	2.150	ug/l	1.0		
Pb	208	209	He	2.215	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	916017.56	1.2	61.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8693156.05	1.2	87.5	70	120	
Sc (ISICPMS)	45	H2	2691493.95	0.4	91.7	70	120	
Sc (ISICPMS)	45	He	108613.43	0.5	89.8	70	120	
Ge (IS)	74	H2	539204.79	0.7	87.0	70	120	
Ge (IS)	74	He	59477.82	1.0	85.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134211.42	0.6	92.7	70	120	
Tb (IS)	159	He	668677.17	1.2	92.9	70	120	
Bi (IS)	209	He	539290.67	0.8	92.8	70	120	

Sample Report

File Name 076SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:20:09

Sample Name **460-300343-I-1-A**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.238	ug/l	9.4	1800	
B	11	6	No Gas	151.432	ug/l	3.3	1800	
Na	23	45	He	237473.344	ug/l	1.1	450000	
Mg	24	45	He	348567.033	ug/l	2.1	450000	
Al	27	45	He	192.188	ug/l	4.9	450000	
K	39	45	He	75687.588	ug/l	1.4	450000	
Ca	40	45	H2	1036720.051	ug/l	0.8	900000	>LDR 200.8□>LDR 6020B
Ti	47	45	No Gas	22.596	ug/l	1.9	9000	
V	51	74	He	-1.040	ug/l	N/A	4500	
Cr	52	74	He	11.680	ug/l	1.9	18000	
Mn	55	74	He	236586.408	ug/l	1.3	18000	>LDR 200.8□>LDR 6020B
Fe	56	74	H2	266475.004	ug/l	0.6	450000	
Co	59	74	He	144.842	ug/l	1.2	1800	
Ni	60	74	He	408.626	ug/l	0.8	18000	
Cu	63	74	He	10.157	ug/l	3.3	18000	
Zn	66	74	He	157.606	ug/l	1.5	18000	
As	75	74	He	0.858	ug/l	13.7	4500	
Se	78	74	H2	2.330	ug/l	8.3	2700	
Sr	88	115	He	4708.741	ug/l	0.6	4500	>LDR 200.8
Mo	95	115	He	1.185	ug/l	4.2	1800	
Ag	107	115	He	0.010	ug/l	60.0	900	
Cd	111	115	He	1.430	ug/l	27.8	4500	
Sn	118	115	He	-0.265	ug/l	N/A	1800	
Sb	121	115	He	0.683	ug/l	14.7	900	
Ba	137	159	He	2609.177	ug/l	0.4	18000	
Tl	205	159	He	0.108	ug/l	6.3	900	
(Pb)	206	209	He	0.004	ug/l	137.9		
(Pb)	207	209	He	-0.032	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	892905.20	2.0	59.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8578166.81	0.6	86.4	70	120	
Sc (ISICPMS)	45	H2	2707225.34	0.6	92.3	70	120	
Sc (ISICPMS)	45	He	112512.47	0.7	93.0	70	120	
Ge (IS)	74	H2	524727.57	0.7	84.7	70	120	
Ge (IS)	74	He	60505.46	0.5	87.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132775.69	1.0	91.7	70	120	
Tb (IS)	159	He	665478.22	0.7	92.5	70	120	
Bi (IS)	209	He	503281.83	0.9	86.6	70	120	

Sample Report

File Name 077SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:22:30

Sample Name **460-300343-I-2-A**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	38.7	1800	
B	11	6	No Gas	183.921	ug/l	2.7	1800	
Na	23	45	He	143221.928	ug/l	0.8	450000	
Mg	24	45	He	24707.638	ug/l	0.7	450000	
Al	27	45	He	3.054	ug/l	55.0	450000	
K	39	45	He	20191.100	ug/l	0.9	450000	
Ca	40	45	H2	164156.220	ug/l	1.6	900000	
Ti	47	45	No Gas	12.723	ug/l	1.4	9000	
V	51	74	He	-0.540	ug/l	N/A	4500	
Cr	52	74	He	-1.013	ug/l	N/A	18000	
Mn	55	74	He	4739.198	ug/l	0.5	18000	
Fe	56	74	H2	7029.457	ug/l	1.9	450000	
Co	59	74	He	1.027	ug/l	5.9	1800	
Ni	60	74	He	0.801	ug/l	14.0	18000	
Cu	63	74	He	0.300	ug/l	1.2	18000	
Zn	66	74	He	1.316	ug/l	47.0	18000	
As	75	74	He	3.133	ug/l	8.4	4500	
Se	78	74	H2	0.253	ug/l	66.6	2700	
Sr	88	115	He	867.629	ug/l	0.9	4500	
Mo	95	115	He	1.342	ug/l	5.2	1800	
Ag	107	115	He	0.001	ug/l	221.3	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.119	ug/l	N/A	1800	
Sb	121	115	He	0.011	ug/l	344.4	900	
Ba	137	159	He	1185.033	ug/l	0.5	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	0.033	ug/l	73.4		
(Pb)	207	209	He	0.028	ug/l	71.9		
Pb	208	209	He	0.028	ug/l	21.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1073296.83	1.4	71.7	70	120	
Sc (ISICPMS)	45	No Gas	9231776.53	1.7	93.0	70	120	
Sc (ISICPMS)	45	H2	2813861.66	1.3	95.9	70	120	
Sc (ISICPMS)	45	He	115637.88	0.1	95.6	70	120	
Ge (IS)	74	H2	554374.78	1.4	89.5	70	120	
Ge (IS)	74	He	62889.84	1.0	90.5	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138122.95	0.5	95.4	70	120	
Tb (IS)	159	He	687845.79	0.9	95.6	70	120	
Bi (IS)	209	He	540704.77	1.3	93.0	70	120	

Sample Report

File Name 078SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:24:50

Sample Name **460-300343-I-3-A**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.035	ug/l	57.3	1800	
B	11	6	No Gas	62.843	ug/l	2.7	1800	
Na	23	45	He	112336.642	ug/l	1.3	450000	
Mg	24	45	He	36690.377	ug/l	0.8	450000	
Al	27	45	He	47.066	ug/l	1.3	450000	
K	39	45	He	3752.846	ug/l	1.3	450000	
Ca	40	45	H2	205603.191	ug/l	0.8	900000	
Ti	47	45	No Gas	7.600	ug/l	3.5	9000	
V	51	74	He	-0.561	ug/l	N/A	4500	
Cr	52	74	He	-0.915	ug/l	N/A	18000	
Mn	55	74	He	1234.122	ug/l	0.2	18000	
Fe	56	74	H2	7346.310	ug/l	1.7	450000	
Co	59	74	He	0.350	ug/l	8.3	1800	
Ni	60	74	He	1.838	ug/l	4.9	18000	
Cu	63	74	He	0.464	ug/l	35.7	18000	
Zn	66	74	He	8.100	ug/l	11.6	18000	
As	75	74	He	5.022	ug/l	9.3	4500	
Se	78	74	H2	3.725	ug/l	9.7	2700	
Sr	88	115	He	821.695	ug/l	1.1	4500	
Mo	95	115	He	1.490	ug/l	8.6	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-1.071	ug/l	N/A	1800	
Sb	121	115	He	-0.088	ug/l	N/A	900	
Ba	137	159	He	2467.335	ug/l	0.5	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.166	ug/l	7.5		
(Pb)	207	209	He	0.147	ug/l	26.0		
Pb	208	209	He	0.171	ug/l	2.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1056469.70	0.9	70.6	70	120	
Sc (ISICPMS)	45	No Gas	9249807.22	1.8	93.1	70	120	
Sc (ISICPMS)	45	H2	2801428.95	0.1	95.5	70	120	
Sc (ISICPMS)	45	He	115122.03	1.4	95.2	70	120	
Ge (IS)	74	H2	550795.16	1.0	88.9	70	120	
Ge (IS)	74	He	61883.31	1.2	89.1	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138221.04	1.0	95.4	70	120	
Tb (IS)	159	He	684046.30	1.1	95.1	70	120	
Bi (IS)	209	He	535451.37	0.5	92.1	70	120	

Sample Report

File Name 079SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:27:13

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	65.4	1800	
B	11	6	No Gas	-4.195	ug/l	N/A	1800	
Na	23	45	He	-46.972	ug/l	N/A	450000	
Mg	24	45	He	2.405	ug/l	17.4	450000	
Al	27	45	He	-4.173	ug/l	N/A	450000	
K	39	45	He	-85.174	ug/l	N/A	450000	
Ca	40	45	H2	13.857	ug/l	5.9	900000	
Ti	47	45	No Gas	0.022	ug/l	681.3	9000	
V	51	74	He	-1.033	ug/l	N/A	4500	
Cr	52	74	He	-0.189	ug/l	N/A	18000	
Mn	55	74	He	0.928	ug/l	21.5	18000	
Fe	56	74	H2	-1.500	ug/l	N/A	450000	
Co	59	74	He	0.003	ug/l	87.1	1800	
Ni	60	74	He	-0.048	ug/l	N/A	18000	
Cu	63	74	He	0.011	ug/l	158.9	18000	
Zn	66	74	He	1.142	ug/l	10.2	18000	
As	75	74	He	-0.099	ug/l	N/A	4500	
Se	78	74	H2	-0.025	ug/l	N/A	2700	
Sr	88	115	He	0.119	ug/l	48.1	4500	
Mo	95	115	He	0.028	ug/l	253.5	1800	
Ag	107	115	He	0.005	ug/l	150.5	900	
Cd	111	115	He	-0.011	ug/l	N/A	4500	
Sn	118	115	He	-0.925	ug/l	N/A	1800	
Sb	121	115	He	-0.062	ug/l	N/A	900	
Ba	137	159	He	0.148	ug/l	36.8	18000	
Tl	205	159	He	0.014	ug/l	55.0	900	
(Pb)	206	209	He	0.038	ug/l	21.4		
(Pb)	207	209	He	0.022	ug/l	102.4		
Pb	208	209	He	0.029	ug/l	14.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1022893.28	1.5	68.4	70	120	fail
Sc (ISICPMS)	45	No Gas	9061199.59	2.1	91.2	70	120	
Sc (ISICPMS)	45	H2	2717773.12	0.8	92.6	70	120	
Sc (ISICPMS)	45	He	112939.32	1.3	93.4	70	120	
Ge (IS)	74	H2	535645.56	0.9	86.4	70	120	
Ge (IS)	74	He	61229.55	1.4	88.1	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138028.41	1.4	95.3	70	120	
Tb (IS)	159	He	681597.30	1.0	94.7	70	120	
Bi (IS)	209	He	548917.98	0.6	94.4	70	120	

Sample Report

File Name 080SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:29:36

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	71.1	1800	
B	11	6	No Gas	-5.184	ug/l	N/A	1800	
Na	23	45	He	-38.722	ug/l	N/A	450000	
Mg	24	45	He	2.637	ug/l	28.2	450000	
Al	27	45	He	-3.592	ug/l	N/A	450000	
K	39	45	He	-81.340	ug/l	N/A	450000	
Ca	40	45	H2	13.417	ug/l	4.2	900000	
Ti	47	45	No Gas	-0.277	ug/l	N/A	9000	
V	51	74	He	-1.015	ug/l	N/A	4500	
Cr	52	74	He	-0.024	ug/l	N/A	18000	
Mn	55	74	He	1.594	ug/l	14.5	18000	
Fe	56	74	H2	-1.870	ug/l	N/A	450000	
Co	59	74	He	-0.001	ug/l	N/A	1800	
Ni	60	74	He	-0.138	ug/l	N/A	18000	
Cu	63	74	He	0.047	ug/l	17.3	18000	
Zn	66	74	He	0.960	ug/l	55.3	18000	
As	75	74	He	-0.218	ug/l	N/A	4500	
Se	78	74	H2	0.028	ug/l	141.5	2700	
Sr	88	115	He	0.097	ug/l	50.7	4500	
Mo	95	115	He	0.002	ug/l	1473.0	1800	
Ag	107	115	He	0.007	ug/l	86.4	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.034	ug/l	N/A	1800	
Sb	121	115	He	-0.070	ug/l	N/A	900	
Ba	137	159	He	0.171	ug/l	31.8	18000	
Tl	205	159	He	0.010	ug/l	33.4	900	
(Pb)	206	209	He	0.046	ug/l	14.7		
(Pb)	207	209	He	0.026	ug/l	85.5		
Pb	208	209	He	0.030	ug/l	55.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	991760.20	1.2	66.3	70	120	fail
Sc (ISICPMS)	45	No Gas	9007026.12	1.1	90.7	70	120	
Sc (ISICPMS)	45	H2	2753526.97	0.8	93.9	70	120	
Sc (ISICPMS)	45	He	111731.53	2.0	92.4	70	120	
Ge (IS)	74	H2	540292.82	0.2	87.2	70	120	
Ge (IS)	74	He	59939.84	1.5	86.3	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138367.68	1.4	95.5	70	120	
Tb (IS)	159	He	676429.74	0.8	94.0	70	120	
Bi (IS)	209	He	544435.48	1.5	93.6	70	120	

US EPA Tune Check Report

Operator Name	Ediicpms3
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\NM032624.b
Acq. Date-Time	2024-03-26 11:07:37
Report Comment	EPA TUNE REPORT
Instrument Name	G8403A JP16121357

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	6987	69868.95	0.00		0.754	5.000
24	10.00	29916	299159.53	0.00		0.537	5.000
25	10.00	3998	39975.55	0.00		1.172	5.000
26	10.00	4776	47761.38	0.00		1.063	5.000
59	10.00	46474	464743.52	0.00		1.331	5.000
115	10.00	62122	621218.28	0.00		1.510	5.000
206	10.00	16849	168486.50	0.00		1.523	5.000
207	10.00	14715	147152.99	0.00		1.560	5.000
208	10.00	35617	356166.15	0.00		1.004	5.000

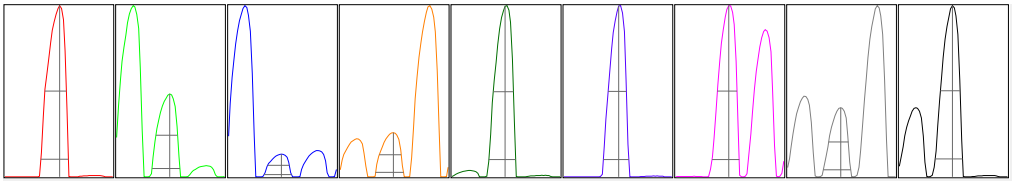
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7064	6965	6932	7015	6959
24	29711	29942	29997	29808	30121
25	3945	4022	3992	3966	4063
26	4740	4775	4743	4759	4863
59	46181	45928	46091	47442	46729
115	61375	61175	63061	63170	61828
206	16405	16968	16970	16860	17041
207	14392	14885	14852	14552	14896
208	35067	35504	35790	36013	35710

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	12808.92	9.05	8.90 - 9.10	
24	53757.70	24.00	23.90 - 24.10	
25	7134.10	25.00	24.90 - 25.10	
26	8270.13	26.00	25.90 - 26.10	
59	88097.10	59.00	58.90 - 59.10	
115	127892.30	115.05	114.90 - 115.10	
206	32347.34	206.00	205.90 - 206.10	
207	27805.90	207.00	206.90 - 207.10	
208	68779.34	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.751	0.900	
24	0.59	0.763	0.900	
25	0.59	0.748	0.900	
26	0.60	0.764	0.900	
59	0.55	0.732	0.900	
115	0.50	0.698	0.900	
206	0.54	0.745	0.900	
207	0.54	0.746	0.900	
208	0.54	0.751	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.07 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.6 V	Deflect	13.2 V
Extract 2	-235.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

QP Parameters

Mass Gain	139	Axis Gain	1.0010	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.00		

Hardware Settings

Torch

Torch H	0.5 mm	Torch V	-0.5 mm		

EM

Discriminator	4.7 mV	Analog HV	2485 V	Pulse HV	2000 V

Sample Report

File Name 001SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:20:27

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4633.01	1.0		60	125	
Sc (ISICPMS)	45	No Gas	86386.50	0.3		60	125	
Sc (ISICPMS)	45	H2	19283.62	1.1		60	125	
Sc (ISICPMS)	45	He	14.44	35.3		60	125	
Ge (IS)	74	H2	3334.88	2.3		60	125	
Ge (IS)	74	He	285.56	8.8		60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	68228.56	0.8		60	125	
Tb (IS)	159	He	26.67	21.7		60	125	
Bi (IS)	209	He	670.02	7.8		60	125	

Sample Report

File Name 002SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:22:51

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11536267.33	0.8		60	125	
Sc (ISICPMS)	45	No Gas	9945495.76	0.5		60	125	
Sc (ISICPMS)	45	H2	3435492.55	0.4		60	125	
Sc (ISICPMS)	45	He	126023.17	2.2		60	125	
Ge (IS)	74	H2	653072.76	0.7		60	125	
Ge (IS)	74	He	63238.34	2.7		60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155766.74	1.6		60	125	
Tb (IS)	159	He	907075.48	0.7		60	125	
Bi (IS)	209	He	774452.69	1.2		60	125	

Sample Report

File Name 003SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:25:15

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11844476.49	1.5		60	125	
Sc (ISICPMS)	45	No Gas	10254391.44	0.8		60	125	
Sc (ISICPMS)	45	H2	3415779.01	1.0		60	125	
Sc (ISICPMS)	45	He	125350.01	1.5		60	125	
Ge (IS)	74	H2	652020.85	1.1		60	125	
Ge (IS)	74	He	63779.62	2.0		60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156071.80	2.8		60	125	
Tb (IS)	159	He	917304.40	1.1		60	125	
Bi (IS)	209	He	778795.81	1.1		60	125	

Sample Report

File Name 004SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:27:39

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11962127.04	1.1		60	125	
Sc (ISICPMS)	45	No Gas	10118288.74	0.6		60	125	
Sc (ISICPMS)	45	H2	3419639.60	1.0		60	125	
Sc (ISICPMS)	45	He	125448.72	1.0		60	125	
Ge (IS)	74	H2	654090.54	0.6		60	125	
Ge (IS)	74	He	63647.56	2.1		60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156868.66	2.4		60	125	
Tb (IS)	159	He	914787.26	1.5		60	125	
Bi (IS)	209	He	784254.70	2.0		60	125	

Calibration Blank

File Name 005CALB.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:30:03

Sample Name **IC CAL-Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	15.56	32.7
B	11	6	No Gas	7911.17	2.1
Na	23	45	He	65662.67	0.7
Mg	24	45	He	250.00	7.4
Al	27	45	He	164.45	4.7
K	39	45	He	14561.08	2.0
Ca	40	45	H2	135159.50	0.4
Ti	47	45	No Gas	4068.41	3.4
V	51	45	He	517.79	6.7
Cr	52	45	He	7229.72	1.6
Mn	55	45	He	195.56	13.7
Fe	56	45	H2	137906.35	1.6
Co	59	45	He	73.33	50.6
Ni	60	45	He	668.91	1.9
Cu	63	45	He	2141.30	3.6
Zn	66	45	He	995.60	7.7
As	75	45	He	14.44	13.4
Se	78	45	H2	11.11	17.3
Sr	88	115	He	35.56	48.1
Mo	95	115	He	73.33	18.2
Ag	107	115	He	42.22	22.8
Cd	111	115	He	0.00	N/A
Sn	118	115	He	481.12	6.7
Sb	121	115	He	63.33	15.8
Ba	137	159	He	20.00	44.1
Tl	205	209	He	1181.18	4.8
[Pb]	206	209	He	438.90	3.8
[Pb]	207	209	He	364.46	4.6
Pb	208	209	He	1742.29	1.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	11650501.36	0.5	100.0
Sc (ISICPMS)	45	No Gas	10103881.59	1.2	100.0
Sc (ISICPMS)	45	H2	3486902.94	0.8	100.0
Sc (ISICPMS)	45	He	128383.44	0.9	100.0
Ge (IS)	74	H2	671718.62	0.2	100.0
Ge (IS)	74	He	65325.62	1.1	100.0
Kr	83	He	0.00	N/A	

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	160142.05	0.1	100.0
Tb (IS)	159	He	934091.41	0.9	100.0
Bi (IS)	209	He	797408.04	0.4	100.0

Calibration Standard

File Name 006CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:32:52

Sample Name **IC CAL1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	3212.61	1.6
B	11	6	No Gas	211405.29	0.7
Na	23	45	He	94885.57	0.5
Mg	24	45	He	15011.48	0.8
Al	27	45	He	931.15	11.2
K	39	45	He	20749.91	0.9
Ca	40	45	H2	592456.08	0.6
Ti	47	45	No Gas	8139.15	1.4
V	51	45	He	3341.54	1.4
Cr	52	45	He	11103.44	0.8
Mn	55	45	He	3033.69	2.6
Fe	56	45	H2	709630.16	0.5
Co	59	45	He	7462.09	0.9
Ni	60	45	He	2790.30	2.1
Cu	63	45	He	8444.88	3.0
Zn	66	45	He	3833.90	0.6
As	75	45	He	185.56	13.2
Se	78	45	H2	400.01	11.2
Sr	88	115	He	1265.63	1.1
Mo	95	115	He	2431.35	7.2
Ag	107	115	He	4896.50	5.3
Cd	111	115	He	490.01	4.1
Sn	118	115	He	6989.71	1.0
Sb	121	115	He	1168.95	2.0
Ba	137	159	He	647.80	4.7
Tl	205	209	He	5611.32	1.4
[Pb]	206	209	He	2634.75	5.7
[Pb]	207	209	He	2411.36	6.0
Pb	208	209	He	10828.63	2.0

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11522562.88	0.6	98.9	60	125	
Sc (ISICPMS)	45	No Gas	10144980.40	0.7	100.4	60	125	
Sc (ISICPMS)	45	H2	3488431.51	1.6	100.0	60	125	
Sc (ISICPMS)	45	He	128341.28	0.6	100.0	60	125	
Ge (IS)	74	H2	664402.79	1.3	98.9	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	65789.99	0.6	100.7	60	125	
Kr	83	He	10.01	173.2				
In-1	115	He	160452.34	0.6	100.2	60	125	
Tb (IS)	159	He	935282.15	0.5	100.1	60	125	
Bi (IS)	209	He	805481.46	0.1	101.0	60	125	

Calibration Standard

File Name 007CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:35:29

Sample Name **IC CAL2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	16421.91	0.8
B	11	6	No Gas	1024084.60	0.9
Na	23	45	He	211271.01	0.2
Mg	24	45	He	73309.70	1.1
Al	27	45	He	4009.50	0.4
K	39	45	He	46110.37	0.3
Ca	40	45	H2	2380655.14	0.7
Ti	47	45	No Gas	23501.36	2.5
V	51	45	He	14634.60	0.5
Cr	52	45	He	26949.88	0.6
Mn	55	45	He	14386.52	1.3
Fe	56	45	H2	2979654.29	1.1
Co	59	45	He	37079.38	1.8
Ni	60	45	He	11671.74	0.1
Cu	63	45	He	34141.84	1.4
Zn	66	45	He	15099.54	1.1
As	75	45	He	1004.49	6.8
Se	78	45	H2	1940.16	3.6
Sr	88	115	He	6038.06	3.2
Mo	95	115	He	11905.40	2.4
Ag	107	115	He	24453.85	0.9
Cd	111	115	He	2428.02	1.2
Sn	118	115	He	32580.52	0.4
Sb	121	115	He	5264.42	2.7
Ba	137	159	He	3344.91	4.3
Tl	205	209	He	23934.51	1.1
[Pb]	206	209	He	11743.43	1.0
[Pb]	207	209	He	10198.75	4.2
Pb	208	209	He	47565.63	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11572160.38	1.3	99.3	60	125	
Sc (ISICPMS)	45	No Gas	10105298.32	1.6	100.0	60	125	
Sc (ISICPMS)	45	H2	3505143.28	0.8	100.5	60	125	
Sc (ISICPMS)	45	He	128637.04	0.5	100.2	60	125	
Ge (IS)	74	H2	662379.81	0.5	98.6	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	65703.03	0.2	100.6	60	125	
Kr	83	He	13.35	43.3				
In-1	115	He	160607.62	1.2	100.3	60	125	
Tb (IS)	159	He	941830.06	0.2	100.8	60	125	
Bi (IS)	209	He	800612.39	0.6	100.4	60	125	

Calibration Standard

File Name 008CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:38:04

Sample Name **IC CAL3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	210478.18	1.3
B	11	6	No Gas	340127.79	0.4
Na	23	45	He	1884195.56	0.6
Mg	24	45	He	900764.59	0.8
Al	27	45	He	233935.76	0.6
K	39	45	He	406219.22	1.0
Ca	40	45	H2	27728798.20	1.1
Ti	47	45	No Gas	53792.23	0.7
V	51	45	He	36100.81	1.0
Cr	52	45	He	58192.08	0.1
Mn	55	45	He	18741.76	2.2
Fe	56	45	H2	58354557.46	2.1
Co	59	45	He	95027.44	0.4
Ni	60	45	He	28659.21	1.2
Cu	63	45	He	83528.66	1.0
Zn	66	45	He	22754.50	1.5
As	75	45	He	5005.40	2.2
Se	78	45	H2	8598.36	2.6
Sr	88	115	He	16243.24	0.9
Mo	95	115	He	30080.74	1.2
Ag	107	115	He	60933.68	1.5
Cd	111	115	He	12768.50	1.9
Sn	118	115	He	21022.50	1.7
Sb	121	115	He	25917.84	1.0
Ba	137	159	He	8459.46	1.1
Tl	205	209	He	298393.97	1.0
[Pb]	206	209	He	95947.08	1.0
[Pb]	207	209	He	83283.85	2.1
Pb	208	209	He	384188.21	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11674501.91	0.4	100.2	60	125	
Sc (ISICPMS)	45	No Gas	10361556.86	0.3	102.6	60	125	
Sc (ISICPMS)	45	H2	3521307.17	0.5	101.0	60	125	
Sc (ISICPMS)	45	He	130829.93	0.5	101.9	60	125	
Ge (IS)	74	H2	687134.69	0.7	102.3	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	68859.72	0.7	105.4	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	163426.25	0.1	102.1	60	125	
Tb (IS)	159	He	945923.10	0.4	101.3	60	125	
Bi (IS)	209	He	798139.75	1.1	100.1	60	125	

Calibration Standard

File Name 009CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:40:39

Sample Name **IC CAL4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	416296.92	1.4
B	11	6	No Gas	658100.24	0.6
Na	23	45	He	3689596.23	0.6
Mg	24	45	He	1787987.87	0.4
Al	27	45	He	466165.92	0.8
K	39	45	He	798418.39	0.9
Ca	40	45	H2	56067729.17	0.2
Ti	47	45	No Gas	104137.78	0.6
V	51	45	He	71696.31	0.8
Cr	52	45	He	108052.85	1.3
Mn	55	45	He	36942.07	2.4
Fe	56	45	H2	117835208.25	0.2
Co	59	45	He	188208.54	1.4
Ni	60	45	He	56107.38	0.7
Cu	63	45	He	163516.46	0.6
Zn	66	45	He	43800.13	0.7
As	75	45	He	10121.59	1.5
Se	78	45	H2	17006.29	0.7
Sr	88	115	He	32028.24	0.5
Mo	95	115	He	60498.29	0.6
Ag	107	115	He	121506.36	0.7
Cd	111	115	He	25331.11	0.5
Sn	118	115	He	40975.12	1.7
Sb	121	115	He	52393.08	0.5
Ba	137	159	He	16843.21	1.5
Tl	205	209	He	589357.93	1.3
[Pb]	206	209	He	190260.32	0.6
[Pb]	207	209	He	165426.66	0.8
Pb	208	209	He	765390.55	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11740952.33	0.6	100.8	60	125	
Sc (ISICPMS)	45	No Gas	10257851.24	1.2	101.5	60	125	
Sc (ISICPMS)	45	H2	3576746.54	1.2	102.6	60	125	
Sc (ISICPMS)	45	He	131822.26	1.2	102.7	60	125	
Ge (IS)	74	H2	705304.58	0.9	105.0	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	70291.48	1.1	107.6	60	125	
Kr	83	He	6.67	173.2				
In-1	115	He	163919.72	1.3	102.4	60	125	
Tb (IS)	159	He	951219.65	0.9	101.8	60	125	
Bi (IS)	209	He	786286.56	0.6	98.6	60	125	

Calibration Standard

File Name 010CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:43:13

Sample Name **IC CAL5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	838242.34	1.5
B	11	6	No Gas	1276287.83	1.0
Na	23	45	He	7340888.71	1.9
Mg	24	45	He	3597099.88	1.9
Al	27	45	He	918221.67	2.0
K	39	45	He	1555900.86	1.5
Ca	40	45	H2	112573230.55	2.4
Ti	47	45	No Gas	203360.32	0.8
V	51	45	He	144528.87	1.7
Cr	52	45	He	209168.09	1.6
Mn	55	45	He	73025.27	1.6
Fe	56	45	H2	237682985.35	2.3
Co	59	45	He	373805.90	1.7
Ni	60	45	He	111205.55	0.8
Cu	63	45	He	324683.86	1.5
Zn	66	45	He	87425.03	0.4
As	75	45	He	20511.07	1.5
Se	78	45	H2	34670.06	1.0
Sr	88	115	He	64442.33	0.8
Mo	95	115	He	121799.20	0.9
Ag	107	115	He	242596.35	1.0
Cd	111	115	He	50963.80	2.0
Sn	118	115	He	81127.27	1.8
Sb	121	115	He	104994.62	0.4
Ba	137	159	He	34158.49	2.4
Tl	205	209	He	1153817.44	2.1
[Pb]	206	209	He	381192.16	1.2
[Pb]	207	209	He	330910.65	0.6
Pb	208	209	He	1530744.47	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11473420.66	0.5	98.5	60	125	
Sc (ISICPMS)	45	No Gas	10247751.86	0.6	101.4	60	125	
Sc (ISICPMS)	45	H2	3549582.45	2.9	101.8	60	125	
Sc (ISICPMS)	45	He	131929.50	1.6	102.8	60	125	
Ge (IS)	74	H2	713292.24	1.4	106.2	60	125	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	71333.88	1.1	109.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	162974.29	2.1	101.8	60	125	
Tb (IS)	159	He	951905.93	1.3	101.9	60	125	
Bi (IS)	209	He	786066.13	1.7	98.6	60	125	

Initial Calibration Verification (ICV)

File Name 011_ICV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:45:49

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	79.137	ug/l	1.2	80	72	88	
B	11	6	No Gas	204.937	ug/l	0.9	200	180	220	
Na	23	45	He	20197.634	ug/l	0.8	20000	18000	22000	
Mg	24	45	He	20053.679	ug/l	0.7	20000	18000	22000	
Al	27	45	He	20327.291	ug/l	1.4	20000	18000	22000	
K	39	45	He	20373.258	ug/l	0.5	20000	18000	22000	
Ca	40	45	H2	19927.765	ug/l	2.1	20000	18000	22000	
Ti	47	45	No Gas	79.179	ug/l	2.0	80	72	88	
V	51	45	He	79.508	ug/l	0.3	80	72	88	
Cr	52	45	He	80.095	ug/l	0.9	80	72	88	
Mn	55	45	He	80.524	ug/l	0.5	80	72	88	
Fe	56	45	H2	19707.576	ug/l	2.0	20000	18000	22000	
Co	59	45	He	81.018	ug/l	0.3	80	72	88	
Ni	60	45	He	80.782	ug/l	1.4	80	72	88	
Cu	63	45	He	80.218	ug/l	1.0	80	72	88	
Zn	66	45	He	199.226	ug/l	0.7	200	180	220	
As	75	45	He	79.418	ug/l	0.5	80	72	88	
Se	78	45	H2	77.635	ug/l	2.9	80	72	88	
Sr	88	115	He	79.365	ug/l	1.4	80	72	88	
Mo	95	115	He	79.388	ug/l	1.2	80	72	88	
Ag	107	115	He	39.941	ug/l	1.3	40	36	44	
Cd	111	115	He	78.960	ug/l	0.9	80	72	88	
Sn	118	115	He	79.589	ug/l	2.4	80	72	88	
Sb	121	115	He	80.375	ug/l	1.6	80	72	88	
Ba	137	159	He	78.276	ug/l	1.5	80	72	88	
Tl	205	209	He	80.772	ug/l	0.7	80	72	88	
[Pb]	206	209	He	79.366	ug/l	1.2				
[Pb]	207	209	He	79.270	ug/l	0.6				
Pb	208	209	He	79.510	ug/l	0.7	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11730096.22	0.7	100.7	60	125	
Sc (ISICPMS)	45	No Gas	10368608.94	1.6	102.6	60	125	
Sc (ISICPMS)	45	H2	3609042.55	0.6	103.5	60	125	
Sc (ISICPMS)	45	He	132272.63	1.4	103.0	60	125	
Ge (IS)	74	H2	706339.63	0.2	105.2	60	125	
Ge (IS)	74	He	69940.04	1.9	107.1	60	125	

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2				
In-1	115	He	165284.71	0.3	103.2	60	125	
Tb (IS)	159	He	961802.84	1.5	103.0	60	125	
Bi (IS)	209	He	798948.62	1.0	100.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 012_ICB.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:48:13

Sample Name **ICB**

Comment ---

Dilution 1.0000

Quant Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.007	ug/l	34.9	0.4	-0.4	0.4	
B	11	6	No Gas	5.356	ug/l	0.4	20	-20	20	
Na	23	45	He	2.703	ug/l	150.6	250	-250	250	
Mg	24	45	He	1.419	ug/l	26.4	100	-100	100	
Al	27	45	He	0.279	ug/l	107.3	20	-20	20	
K	39	45	He	73.783	ug/l	160.4	100	-100	100	
Ca	40	45	H2	0.678	ug/l	130.1	250	-250	250	
Ti	47	45	No Gas	-0.179	ug/l	N/A	2	-2	2	
V	51	45	He	0.046	ug/l	74.8	2	-2	2	
Cr	52	45	He	0.129	ug/l	189.7	2	-2	2	
Mn	55	45	He	0.102	ug/l	8.2	4	-4	4	
Fe	56	45	H2	1.109	ug/l	30.8	30	-30	30	
Co	59	45	He	-0.004	ug/l	N/A	2	-2	2	
Ni	60	45	He	-0.072	ug/l	N/A	2	-2	2	
Cu	63	45	He	-0.234	ug/l	N/A	2	-2	2	
Zn	66	45	He	0.228	ug/l	366.4	8	-8	8	
As	75	45	He	0.086	ug/l	38.3	1	-1	1	
Se	78	45	H2	0.282	ug/l	77.2	1.25	-1.25	1.25	
Sr	88	115	He	0.011	ug/l	327.5	2	-2	2	
Mo	95	115	He	0.098	ug/l	36.5	2	-2	2	
Ag	107	115	He	0.009	ug/l	100.6	1	-1	1	
Cd	111	115	He	0.009	ug/l	86.6	1	-1	1	
Sn	118	115	He	0.006	ug/l	1927.5	8	-8	8	
Sb	121	115	He	0.013	ug/l	321.9	1	-1	1	
Ba	137	159	He	-0.008	ug/l	N/A	2	-2	2	
Tl	205	209	He	-0.024	ug/l	N/A	0.4	-0.4	0.4	
[Pb]	206	209	He	0.007	ug/l	270.2				
[Pb]	207	209	He	0.003	ug/l	307.9				
Pb	208	209	He	-0.004	ug/l	N/A	0.6	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11785726.77	1.7	101.2	60	125	
Sc (ISICPMS)	45	No Gas	10413605.40	1.3	103.1	60	125	
Sc (ISICPMS)	45	H2	3550495.22	0.3	101.8	60	125	
Sc (ISICPMS)	45	He	130410.65	2.0	101.6	60	125	
Ge (IS)	74	H2	674871.81	0.3	100.5	60	125	
Ge (IS)	74	He	67265.12	2.5	103.0	60	125	
Kr	83	He	6.67	173.2				
In-1	115	He	163713.20	1.8	102.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	941536.98	0.9	100.8	60	125	
Bi (IS)	209	He	803943.94	0.6	100.8	60	125	

CRQL Check Standard (CRI)

File Name 013_CRI.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:50:38

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.749	ug/l	1.6	0.8	0.4	1.2	
B	11	6	No Gas	80.867	ug/l	0.2	80	40	120	
Na	23	45	He	203.294	ug/l	1.5	200	100	300	
Mg	24	45	He	209.965	ug/l	1.4	200	100	300	
Al	27	45	He	41.441	ug/l	5.0	40	20	60	
K	39	45	He	272.182	ug/l	36.9	200	100	300	
Ca	40	45	H2	211.754	ug/l	1.9	200	100	300	
Ti	47	45	No Gas	3.666	ug/l	1.0	4	2	6	
V	51	45	He	3.996	ug/l	4.6	4	2	6	
Cr	52	45	He	3.787	ug/l	8.5	4	2	6	
Mn	55	45	He	8.322	ug/l	3.0	8	4	12	
Fe	56	45	H2	123.752	ug/l	2.0	120	60	180	
Co	59	45	He	3.995	ug/l	1.7	4	2	6	
Ni	60	45	He	3.926	ug/l	6.2	4	2	6	
Cu	63	45	He	3.718	ug/l	2.3	4	2	6	
Zn	66	45	He	17.448	ug/l	10.3	16	8	24	
As	75	45	He	1.981	ug/l	15.9	2	1	3	
Se	78	45	H2	2.523	ug/l	6.3	2.5	1.25	3.75	
Sr	88	115	He	3.619	ug/l	3.5	4	2	6	
Mo	95	115	He	4.005	ug/l	2.1	4	2	6	
Ag	107	115	He	2.023	ug/l	4.2	2	1	3	
Cd	111	115	He	2.128	ug/l	9.0	2	1	3	
Sn	118	115	He	15.926	ug/l	0.3	16	8	24	
Sb	121	115	He	2.037	ug/l	3.7	2	1	3	
Ba	137	159	He	3.946	ug/l	4.4	4	2	6	
Tl	205	209	He	0.717	ug/l	5.5	0.8	0.4	1.2	
[Pb]	206	209	He	1.172	ug/l	3.8				
[Pb]	207	209	He	1.215	ug/l	0.8				
Pb	208	209	He	1.188	ug/l	0.9	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11829234.27	0.7	101.5	60	125	
Sc (ISICPMS)	45	No Gas	10354306.86	0.4	102.5	60	125	
Sc (ISICPMS)	45	H2	3569643.66	1.5	102.4	60	125	
Sc (ISICPMS)	45	He	131420.14	1.6	102.4	60	125	
Ge (IS)	74	H2	680640.36	1.4	101.3	60	125	
Ge (IS)	74	He	67656.07	2.4	103.6	60	125	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	163454.11	1.8	102.1	60	125	
Tb (IS)	159	He	944345.83	0.2	101.1	60	125	
Bi (IS)	209	He	809115.17	0.7	101.5	60	125	

Interference Check Standard-A (ICSA)

File Name 014ICSA.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:53:01

Sample Name **ICSA 11589812**

Comment ---

Dilution 1.0000

Method 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	15.6	0.8	-1.6	1.6	
B	11	6	No Gas	3.786	ug/l	2.7	80	-160	160	
Na	23	45	He	100593.416	ug/l	1.3	100000	80000	120000	
Mg	24	45	He	99339.112	ug/l	1.4	100000	80000	120000	
Al	27	45	He	98989.502	ug/l	0.6	100000	80000	120000	
K	39	45	He	99160.868	ug/l	0.1	100000	80000	120000	
Ca	40	45	H2	100004.443	ug/l	0.4	100000	80000	120000	
Ti	47	45	No Gas	2069.670	ug/l	1.0	2000	1600	2400	
V	51	45	He	0.006	ug/l	890.6	4	-8	8	
Cr	52	45	He	-0.219	ug/l	N/A	4	-8	8	
Mn	55	45	He	0.791	ug/l	13.1	8	-16	16	
Fe	56	45	H2	98430.664	ug/l	1.6	100000	80000	120000	
Co	59	45	He	0.330	ug/l	12.6	4	-8	8	
Ni	60	45	He	0.108	ug/l	146.8	4	-8	8	
Cu	63	45	He	0.052	ug/l	158.2	4	-8	8	
Zn	66	45	He	1.421	ug/l	18.2	16	-32	32	
As	75	45	He	0.276	ug/l	70.0	2	-4	4	
Se	78	45	H2	0.145	ug/l	20.6	2.5	-5	5	
Sr	88	115	He	0.762	ug/l	22.4	4	-8	8	
Mo	95	115	He	1917.235	ug/l	1.1	2000	-4000	4000	
Ag	107	115	He	0.027	ug/l	48.9	2	-4	4	
Cd	111	115	He	0.259	ug/l	25.9	2	-4	4	
Sn	118	115	He	-0.012	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.211	ug/l	13.7	2	-4	4	
Ba	137	159	He	0.664	ug/l	19.6	4	-8	8	
Tl	205	209	He	-0.079	ug/l	N/A	0.8	-1.6	1.6	
[Pb]	206	209	He	0.140	ug/l	22.1				
[Pb]	207	209	He	0.166	ug/l	2.1				
Pb	208	209	He	0.142	ug/l	8.6	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11349540.94	1.1	97.4	60	125	
Sc (ISICPMS)	45	No Gas	9978867.28	0.6	98.8	60	125	
Sc (ISICPMS)	45	H2	3469796.44	1.1	99.5	60	125	
Sc (ISICPMS)	45	He	126651.76	2.5	98.7	60	125	
Ge (IS)	74	H2	700628.35	1.1	104.3	60	125	
Ge (IS)	74	He	69608.41	2.0	106.6	60	125	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	156413.89	1.4	97.7	60	125	
Tb (IS)	159	He	928012.83	0.5	99.3	60	125	
Bi (IS)	209	He	759137.85	0.4	95.2	60	125	

Interference Check Standard-AB (ICSAB)

File Name 015ICSB.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:55:28

Sample Name **ICSAB 11589864**

Comment ---

Dilution 1.0000

Method 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	183.968	ug/l	1.2	200	-400	400	
B	11	6	No Gas	4.008	ug/l	2.0				
Na	23	45	He	100228.372	ug/l	1.2	100000	80000	120000	
Mg	24	45	He	99559.278	ug/l	0.8	100000	80000	120000	
Al	27	45	He	99682.698	ug/l	1.2	100000	80000	120000	
K	39	45	He	99330.135	ug/l	0.9	100000	80000	120000	
Ca	40	45	H2	99677.757	ug/l	0.6	100000	80000	120000	
Ti	47	45	No Gas	2044.736	ug/l	0.5	2000	1600	2400	
V	51	45	He	196.491	ug/l	2.1	200	160	240	
Cr	52	45	He	195.520	ug/l	1.5	200	160	240	
Mn	55	45	He	189.183	ug/l	2.5	200	160	240	
Fe	56	45	H2	98721.161	ug/l	0.9	100000	80000	120000	
Co	59	45	He	193.686	ug/l	2.2	200	160	240	
Ni	60	45	He	195.075	ug/l	1.4	200	160	240	
Cu	63	45	He	190.882	ug/l	1.9	200	160	240	
Zn	66	45	He	198.896	ug/l	1.9	200	160	240	
As	75	45	He	194.887	ug/l	2.6	200	160	240	
Se	78	45	H2	193.835	ug/l	0.8	200	160	240	
Sr	88	115	He	193.727	ug/l	1.1	200	-400	400	
Mo	95	115	He	1924.892	ug/l	0.2	2000	1600	2400	
Ag	107	115	He	193.452	ug/l	0.2	200	160	240	
Cd	111	115	He	194.844	ug/l	0.8	200	160	240	
Sn	118	115	He	198.714	ug/l	0.7	200	-400	400	
Sb	121	115	He	103.554	ug/l	1.3	100	-200	200	
Ba	137	159	He	195.260	ug/l	1.2	200	-400	400	
Tl	205	209	He	100.980	ug/l	0.2	100	-200	200	
[Pb]	206	209	He	195.118	ug/l	0.2				
[Pb]	207	209	He	197.738	ug/l	0.9				
Pb	208	209	He	196.825	ug/l	0.6	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11571181.91	1.0	99.3	60	125	
Sc (ISICPMS)	45	No Gas	10166389.57	0.6	100.6	60	125	
Sc (ISICPMS)	45	H2	3498033.07	0.8	100.3	60	125	
Sc (ISICPMS)	45	He	127465.90	2.1	99.3	60	125	
Ge (IS)	74	H2	711435.95	0.1	105.9	60	125	
Ge (IS)	74	He	70365.24	1.9	107.7	60	125	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	157772.40	1.6	98.5	60	125	
Tb (IS)	159	He	934338.12	0.9	100.0	60	125	
Bi (IS)	209	He	762182.61	1.3	95.6	60	125	

Linear Range Check (LRC)

File Name 016LRCA.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 14:57:53

Sample Name **LRC 11546145**

Comment LRC-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	1951.306	ug/l	2.2	2000	1800	2200	
B	11	6	No Gas	2.285	ug/l	1.4				
Na	23	45	He	-25.158	ug/l	N/A				
Mg	24	45	He	10.939	ug/l	2.3				
Al	27	45	He	13.045	ug/l	6.7				
K	39	45	He	98.448	ug/l	126.5				
Ca	40	45	H2	16.870	ug/l	3.5				
Ti	47	45	No Gas	0.918	ug/l	14.1				
V	51	45	He	4940.461	ug/l	0.2	5000	4500	5500	
Cr	52	45	He	19940.826	ug/l	0.1	20000	18000	22000	
Mn	55	45	He	19247.286	ug/l	0.3	20000	18000	22000	
Fe	56	45	H2	18.757	ug/l	2.7				
Co	59	45	He	1988.769	ug/l	0.3	2000	1800	2200	
Ni	60	45	He	20125.028	ug/l	0.1	20000	18000	22000	
Cu	63	45	He	19562.481	ug/l	0.4	20000	18000	22000	
Zn	66	45	He	19894.749	ug/l	1.0	20000	18000	22000	
As	75	45	He	4971.873	ug/l	0.7	5000	4500	5500	
Se	78	45	H2	0.255	ug/l	35.1				
Sr	88	115	He	4556.263	ug/l	0.5	5000	4500	5500	
Mo	95	115	He	1921.066	ug/l	0.4	2000	1800	2200	
Ag	107	115	He	0.039	ug/l	9.4				
Cd	111	115	He	4843.331	ug/l	0.5	5000	4500	5500	
Sn	118	115	He	0.153	ug/l	51.7				
Sb	121	115	He	0.163	ug/l	9.9				
Ba	137	159	He	18965.698	ug/l	0.9	20000	18000	22000	
Tl	205	209	He	951.625	ug/l	0.5	1000	900	1100	
[Pb]	206	209	He	19139.410	ug/l	0.6				
[Pb]	207	209	He	19194.698	ug/l	0.4				
Pb	208	209	He	19120.634	ug/l	0.3	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11398828.30	1.4	97.8	60	125	
Sc (ISICPMS)	45	No Gas	10044647.42	0.9	99.4	60	125	
Sc (ISICPMS)	45	H2	3348156.34	1.0	96.0	60	125	
Sc (ISICPMS)	45	He	118406.25	1.5	92.2	60	125	
Ge (IS)	74	H2	649459.13	0.8	96.7	60	125	
Ge (IS)	74	He	63489.25	1.4	97.2	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	152102.51	1.6	95.0	60	125	
Tb (IS)	159	He	906814.98	0.2	97.1	60	125	
Bi (IS)	209	He	788450.27	0.6	98.9	60	125	

Linear Range Check (LRC)

File Name 017LRCB.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:00:18

Sample Name **LRC 11518844**

Comment LRC-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.101	ug/l	5.8				
B	11	6	No Gas	3.295	ug/l	2.7				
Na	23	45	He	486240.019	ug/l	1.2	500000	450000	550000	
Mg	24	45	He	483529.404	ug/l	0.8	500000	450000	550000	
Al	27	45	He	501946.841	ug/l	0.3	500000	450000	550000	
K	39	45	He	503679.494	ug/l	0.5	500000	450000	550000	
Ca	40	45	H2	107.072	ug/l	2.0				
Ti	47	45	No Gas	-0.201	ug/l	N/A				
V	51	45	He	0.672	ug/l	8.8				
Cr	52	45	He	5.657	ug/l	9.9				
Mn	55	45	He	11.158	ug/l	4.6				
Fe	56	45	H2	485005.506	ug/l	1.6	500000	450000	550000	
Co	59	45	He	4.061	ug/l	0.1				
Ni	60	45	He	8.487	ug/l	2.5				
Cu	63	45	He	1.545	ug/l	7.7				
Zn	66	45	He	5.132	ug/l	3.6				
As	75	45	He	2.222	ug/l	2.3				
Se	78	45	H2	0.129	ug/l	66.7				
Sr	88	115	He	1.056	ug/l	4.5				
Mo	95	115	He	2.127	ug/l	8.1				
Ag	107	115	He	0.135	ug/l	8.4				
Cd	111	115	He	0.313	ug/l	32.3				
Sn	118	115	He	0.194	ug/l	11.0				
Sb	121	115	He	2.898	ug/l	3.9				
Ba	137	159	He	13.161	ug/l	2.9				
Tl	205	209	He	0.186	ug/l	4.0				
[Pb]	206	209	He	2.405	ug/l	3.0				
[Pb]	207	209	He	2.269	ug/l	4.2				
Pb	208	209	He	2.265	ug/l	0.7				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10453032.14	1.5	89.7	60	125	
Sc (ISICPMS)	45	No Gas	9610630.20	0.8	95.1	60	125	
Sc (ISICPMS)	45	H2	3529895.54	1.2	101.2	60	125	
Sc (ISICPMS)	45	He	131570.88	1.9	102.5	60	125	
Ge (IS)	74	H2	687088.95	1.1	102.3	60	125	
Ge (IS)	74	He	71465.52	2.8	109.4	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	160687.13	2.6	100.3	60	125	
Tb (IS)	159	He	946798.29	1.3	101.4	60	125	
Bi (IS)	209	He	745901.34	1.3	93.5	60	125	

Linear Range Check (LRC)

File Name 018LRCC.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:02:43

Sample Name **LRC 11546148**

Comment LRC-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.064	ug/l	6.7				
B	11	6	No Gas	1916.265	ug/l	0.8	2000	1800	2200	
Na	23	45	He	27.858	ug/l	29.8				
Mg	24	45	He	120.534	ug/l	0.9				
Al	27	45	He	53.955	ug/l	5.1				
K	39	45	He	117.173	ug/l	69.9				
Ca	40	45	H2	1021672.401	ug/l	0.6	1000000	900000	1100000	
Ti	47	45	No Gas	10078.031	ug/l	2.0	10000	9000	11000	
V	51	45	He	0.262	ug/l	21.1				
Cr	52	45	He	-0.363	ug/l	N/A				
Mn	55	45	He	1.105	ug/l	5.5				
Fe	56	45	H2	47.732	ug/l	0.9				
Co	59	45	He	0.268	ug/l	15.5				
Ni	60	45	He	1.646	ug/l	8.2				
Cu	63	45	He	1.549	ug/l	8.3				
Zn	66	45	He	4.340	ug/l	11.0				
As	75	45	He	1.096	ug/l	21.5				
Se	78	45	H2	2823.163	ug/l	0.6	3000	2700	3300	
Sr	88	115	He	20.378	ug/l	2.9				
Mo	95	115	He	1.030	ug/l	3.5				
Ag	107	115	He	968.654	ug/l	0.2	1000	900	1100	
Cd	111	115	He	0.148	ug/l	25.9				
Sn	118	115	He	2053.357	ug/l	0.8	2000	1800	2200	
Sb	121	115	He	1072.621	ug/l	0.5	1000	900	1100	
Ba	137	159	He	1.648	ug/l	8.8				
Tl	205	209	He	0.030	ug/l	69.7				
[Pb]	206	209	He	0.953	ug/l	5.3				
[Pb]	207	209	He	0.872	ug/l	4.5				
Pb	208	209	He	0.887	ug/l	1.0				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11334897.61	0.3	97.3	60	125	
Sc (ISICPMS)	45	No Gas	9908419.09	1.4	98.1	60	125	
Sc (ISICPMS)	45	H2	3544802.24	1.1	101.7	60	125	
Sc (ISICPMS)	45	He	127969.23	3.0	99.7	60	125	
Ge (IS)	74	H2	695048.02	0.8	103.5	60	125	
Ge (IS)	74	He	69209.25	1.8	105.9	60	125	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	13.35	43.3				
In-1	115	He	158750.92	2.3	99.1	60	125	
Tb (IS)	159	He	939001.06	1.5	100.5	60	125	
Bi (IS)	209	He	776980.19	1.8	97.4	60	125	

Sample Report

File Name 019SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:05:09

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	24.7	2000	
B	11	6	No Gas	18.525	ug/l	2.6	2000	
Na	23	45	He	5.272	ug/l	47.8	500000	
Mg	24	45	He	6.531	ug/l	8.5	500000	
Al	27	45	He	4.134	ug/l	26.1	500000	
K	39	45	He	90.743	ug/l	119.0	500000	
Ca	40	45	H2	52.426	ug/l	1.7	1000000	
Ti	47	45	No Gas	2.933	ug/l	67.0	10000	
V	51	45	He	0.180	ug/l	26.7	5000	
Cr	52	45	He	0.053	ug/l	27.1	20000	
Mn	55	45	He	0.126	ug/l	85.3	20000	
Fe	56	45	H2	6.439	ug/l	1.6	500000	
Co	59	45	He	0.006	ug/l	172.9	2000	
Ni	60	45	He	0.051	ug/l	123.3	20000	
Cu	63	45	He	0.106	ug/l	31.0	20000	
Zn	66	45	He	0.637	ug/l	40.0	20000	
As	75	45	He	0.414	ug/l	14.3	5000	
Se	78	45	H2	2.342	ug/l	6.3	3000	
Sr	88	115	He	0.061	ug/l	65.5	5000	
Mo	95	115	He	0.446	ug/l	11.9	2000	
Ag	107	115	He	0.028	ug/l	26.5	1000	
Cd	111	115	He	0.034	ug/l	56.3	5000	
Sn	118	115	He	0.324	ug/l	11.8	2000	
Sb	121	115	He	0.088	ug/l	52.3	1000	
Ba	137	159	He	0.154	ug/l	38.2	20000	
Tl	205	209	He	-0.064	ug/l	N/A	1000	
[Pb]	206	209	He	0.238	ug/l	5.4		
[Pb]	207	209	He	0.240	ug/l	8.7		
Pb	208	209	He	0.238	ug/l	4.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12004251.76	0.5	103.0	60	125	
Sc (ISICPMS)	45	No Gas	10476705.61	0.5	103.7	60	125	
Sc (ISICPMS)	45	H2	3599734.77	0.1	103.2	60	125	
Sc (ISICPMS)	45	He	130786.08	1.9	101.9	60	125	
Ge (IS)	74	H2	685691.78	0.7	102.1	60	125	
Ge (IS)	74	He	67989.85	1.5	104.1	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	165191.77	1.5	103.2	60	125	
Tb (IS)	159	He	953486.33	0.0	102.1	60	125	
Bi (IS)	209	He	821491.09	0.6	103.0	60	125	

Sample Report

File Name 020SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:07:33

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.009	ug/l	46.2	2000	
B	11	6	No Gas	7.665	ug/l	1.7	2000	
Na	23	45	He	2.487	ug/l	235.0	500000	
Mg	24	45	He	3.320	ug/l	24.4	500000	
Al	27	45	He	3.440	ug/l	62.0	500000	
K	39	45	He	95.608	ug/l	129.0	500000	
Ca	40	45	H2	22.510	ug/l	1.8	1000000	
Ti	47	45	No Gas	0.742	ug/l	19.4	10000	
V	51	45	He	0.176	ug/l	37.8	5000	
Cr	52	45	He	-0.190	ug/l	N/A	20000	
Mn	55	45	He	-0.002	ug/l	N/A	20000	
Fe	56	45	H2	2.949	ug/l	13.2	500000	
Co	59	45	He	0.002	ug/l	42.7	2000	
Ni	60	45	He	-0.044	ug/l	N/A	20000	
Cu	63	45	He	-0.086	ug/l	N/A	20000	
Zn	66	45	He	0.926	ug/l	31.3	20000	
As	75	45	He	0.200	ug/l	31.7	5000	
Se	78	45	H2	0.592	ug/l	19.9	3000	
Sr	88	115	He	0.054	ug/l	96.0	5000	
Mo	95	115	He	0.359	ug/l	15.9	2000	
Ag	107	115	He	0.011	ug/l	54.6	1000	
Cd	111	115	He	0.022	ug/l	34.6	5000	
Sn	118	115	He	0.119	ug/l	166.5	2000	
Sb	121	115	He	0.020	ug/l	63.5	1000	
Ba	137	159	He	0.057	ug/l	89.6	20000	
Tl	205	209	He	-0.082	ug/l	N/A	1000	
[Pb]	206	209	He	0.179	ug/l	10.7		
[Pb]	207	209	He	0.165	ug/l	22.6		
Pb	208	209	He	0.167	ug/l	4.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11786985.38	0.2	101.2	60	125	
Sc (ISICPMS)	45	No Gas	10385733.32	0.4	102.8	60	125	
Sc (ISICPMS)	45	H2	3553142.62	1.7	101.9	60	125	
Sc (ISICPMS)	45	He	128478.08	2.1	100.1	60	125	
Ge (IS)	74	H2	671136.13	1.2	99.9	60	125	
Ge (IS)	74	He	66665.59	1.9	102.1	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161975.40	2.0	101.1	60	125	
Tb (IS)	159	He	945081.99	0.6	101.2	60	125	
Bi (IS)	209	He	806739.10	1.4	101.2	60	125	

Sample Report

File Name LRC-A.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:09:57

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	21.1	2000	
B	11	6	No Gas	5.175	ug/l	2.6	2000	
Na	23	45	He	-0.898	ug/l	N/A	500000	
Mg	24	45	He	1.936	ug/l	18.7	500000	
Al	27	45	He	1.092	ug/l	180.9	500000	
K	39	45	He	84.398	ug/l	127.3	500000	
Ca	40	45	H2	11.949	ug/l	12.0	1000000	
Ti	47	45	No Gas	0.496	ug/l	32.6	10000	
V	51	45	He	0.233	ug/l	14.9	5000	
Cr	52	45	He	-0.101	ug/l	N/A	20000	
Mn	55	45	He	0.126	ug/l	105.3	20000	
Fe	56	45	H2	1.735	ug/l	42.0	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	0.054	ug/l	149.0	20000	
Cu	63	45	He	-0.135	ug/l	N/A	20000	
Zn	66	45	He	0.522	ug/l	90.8	20000	
As	75	45	He	0.169	ug/l	76.1	5000	
Se	78	45	H2	0.389	ug/l	39.2	3000	
Sr	88	115	He	0.000	ug/l	N/A	5000	
Mo	95	115	He	0.216	ug/l	8.2	2000	
Ag	107	115	He	0.008	ug/l	25.2	1000	
Cd	111	115	He	0.018	ug/l	45.0	5000	
Sn	118	115	He	0.107	ug/l	59.4	2000	
Sb	121	115	He	0.000	ug/l	22682.7	1000	
Ba	137	159	He	0.099	ug/l	38.9	20000	
Tl	205	209	He	-0.066	ug/l	N/A	1000	
[Pb]	206	209	He	0.137	ug/l	14.4		
[Pb]	207	209	He	0.168	ug/l	5.4		
Pb	208	209	He	0.141	ug/l	3.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11881422.32	0.1	102.0	60	125	
Sc (ISICPMS)	45	No Gas	10475724.78	0.4	103.7	60	125	
Sc (ISICPMS)	45	H2	3527257.90	0.9	101.2	60	125	
Sc (ISICPMS)	45	He	128026.20	1.6	99.7	60	125	
Ge (IS)	74	H2	670596.55	0.8	99.8	60	125	
Ge (IS)	74	He	66007.87	0.8	101.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160409.00	1.5	100.2	60	125	
Tb (IS)	159	He	934530.35	0.8	100.0	60	125	
Bi (IS)	209	He	809271.93	0.4	101.5	60	125	

Sample Report

File Name 021SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:12:20

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	79.4	2000	
B	11	6	No Gas	3.599	ug/l	2.7	2000	
Na	23	45	He	0.552	ug/l	461.0	500000	
Mg	24	45	He	1.848	ug/l	30.9	500000	
Al	27	45	He	-0.248	ug/l	N/A	500000	
K	39	45	He	82.086	ug/l	109.6	500000	
Ca	40	45	H2	6.103	ug/l	9.1	1000000	
Ti	47	45	No Gas	0.401	ug/l	21.7	10000	
V	51	45	He	0.148	ug/l	79.3	5000	
Cr	52	45	He	-0.155	ug/l	N/A	20000	
Mn	55	45	He	-0.025	ug/l	N/A	20000	
Fe	56	45	H2	1.185	ug/l	17.6	500000	
Co	59	45	He	-0.016	ug/l	N/A	2000	
Ni	60	45	He	-0.087	ug/l	N/A	20000	
Cu	63	45	He	-0.179	ug/l	N/A	20000	
Zn	66	45	He	0.684	ug/l	34.1	20000	
As	75	45	He	0.159	ug/l	44.7	5000	
Se	78	45	H2	0.262	ug/l	28.1	3000	
Sr	88	115	He	0.000	ug/l	N/A	5000	
Mo	95	115	He	0.233	ug/l	16.9	2000	
Ag	107	115	He	0.009	ug/l	93.6	1000	
Cd	111	115	He	0.027	ug/l	85.9	5000	
Sn	118	115	He	0.002	ug/l	5943.0	2000	
Sb	121	115	He	0.041	ug/l	112.1	1000	
Ba	137	159	He	0.107	ug/l	10.1	20000	
Tl	205	209	He	-0.090	ug/l	N/A	1000	
[Pb]	206	209	He	0.122	ug/l	14.2		
[Pb]	207	209	He	0.093	ug/l	29.3		
Pb	208	209	He	0.100	ug/l	8.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11769028.30	0.7	101.0	60	125	
Sc (ISICPMS)	45	No Gas	10286520.54	1.4	101.8	60	125	
Sc (ISICPMS)	45	H2	3484735.71	0.9	99.9	60	125	
Sc (ISICPMS)	45	He	127533.89	1.2	99.3	60	125	
Ge (IS)	74	H2	661503.59	0.6	98.5	60	125	
Ge (IS)	74	He	65799.20	0.7	100.7	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160232.25	1.1	100.1	60	125	
Tb (IS)	159	He	929476.39	1.1	99.5	60	125	
Bi (IS)	209	He	798787.02	0.8	100.2	60	125	

Continuing Calibration Verification (CCV)

File Name 022_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:14:44

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.807	ug/l	2.4	100	90	110	
B	11	6	No Gas	245.926	ug/l	1.4	250	225	275	
Na	23	45	He	25380.455	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	25325.429	ug/l	0.5	25000	22500	27500	
Al	27	45	He	24960.705	ug/l	1.0	25000	22500	27500	
K	39	45	He	25059.597	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24375.432	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	98.892	ug/l	2.0	100	90	110	
V	51	45	He	98.661	ug/l	0.2	100	90	110	
Cr	52	45	He	100.000	ug/l	0.4	100	90	110	
Mn	55	45	He	99.663	ug/l	0.6	100	90	110	
Fe	56	45	H2	24248.205	ug/l	1.2	25000	22500	27500	
Co	59	45	He	100.119	ug/l	1.2	100	90	110	
Ni	60	45	He	101.070	ug/l	0.9	100	90	110	
Cu	63	45	He	99.441	ug/l	1.3	100	90	110	
Zn	66	45	He	250.089	ug/l	1.0	250	225	275	
As	75	45	He	98.930	ug/l	1.0	100	90	110	
Se	78	45	H2	95.765	ug/l	0.0	100	90	110	
Sr	88	115	He	97.203	ug/l	1.1	100	90	110	
Mo	95	115	He	100.457	ug/l	0.5	100	90	110	
Ag	107	115	He	50.316	ug/l	0.6	50	45	55	
Cd	111	115	He	99.902	ug/l	1.5	100	90	110	
Sn	118	115	He	99.682	ug/l	0.8	100	90	110	
Sb	121	115	He	99.219	ug/l	0.6	100	90	110	
Ba	137	159	He	96.467	ug/l	0.9	100	90	110	
Tl	205	209	He	99.953	ug/l	1.1	100	90	110	
[Pb]	206	209	He	98.796	ug/l	0.7				
[Pb]	207	209	He	98.116	ug/l	1.3				
Pb	208	209	He	98.496	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11952950.66	1.9	102.6	60	125	
Sc (ISICPMS)	45	No Gas	10250822.21	0.4	101.5	60	125	
Sc (ISICPMS)	45	H2	3511460.61	0.6	100.7	60	125	
Sc (ISICPMS)	45	He	126815.74	1.1	98.8	60	125	
Ge (IS)	74	H2	687781.19	0.3	102.4	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68193.26	1.7	104.4	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	158036.72	1.7	98.7	60	125	
Tb (IS)	159	He	934147.55	1.2	100.0	60	125	
Bi (IS)	209	He	782543.50	1.3	98.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 023_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:17:07

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	53.3	0.8	-0.8	0.8	
B	11	6	No Gas	4.209	ug/l	1.0	40	-40	40	
Na	23	45	He	0.608	ug/l	1115.3	500	-500	500	
Mg	24	45	He	1.629	ug/l	61.9	200	-200	200	
Al	27	45	He	1.342	ug/l	202.1	40	-40	40	
K	39	45	He	62.108	ug/l	147.2	200	-200	200	
Ca	40	45	H2	4.683	ug/l	18.8	500	-500	500	
Ti	47	45	No Gas	0.565	ug/l	34.0	4	-4	4	
V	51	45	He	-0.025	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.191	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.022	ug/l	28.4	8	-8	8	
Fe	56	45	H2	2.251	ug/l	17.6	60	-60	60	
Co	59	45	He	0.001	ug/l	1310.9	4	-4	4	
Ni	60	45	He	-0.107	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.201	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.877	ug/l	19.5	16	-16	16	
As	75	45	He	0.102	ug/l	82.9	2	-2	2	
Se	78	45	H2	0.228	ug/l	52.0	2.5	-2.5	2.5	
Sr	88	115	He	0.038	ug/l	130.3	4	-4	4	
Mo	95	115	He	0.187	ug/l	24.4	4	-4	4	
Ag	107	115	He	0.004	ug/l	215.0	2	-2	2	
Cd	111	115	He	0.013	ug/l	99.6	2	-2	2	
Sn	118	115	He	0.036	ug/l	332.4	16	-16	16	
Sb	121	115	He	0.001	ug/l	2793.4	2	-2	2	
Ba	137	159	He	0.073	ug/l	78.2	4	-4	4	
Tl	205	209	He	-0.094	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.091	ug/l	25.1				
[Pb]	207	209	He	0.092	ug/l	41.6				
Pb	208	209	He	0.098	ug/l	7.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11789126.77	0.8	101.2	60	125	
Sc (ISICPMS)	45	No Gas	10276100.96	0.9	101.7	60	125	
Sc (ISICPMS)	45	H2	3497240.22	1.2	100.3	60	125	
Sc (ISICPMS)	45	He	127613.67	1.5	99.4	60	125	
Ge (IS)	74	H2	671213.42	1.0	99.9	60	125	
Ge (IS)	74	He	66729.63	1.8	102.1	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	161064.70	1.7	100.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	934475.32	0.4	100.0	60	125	
Bi (IS)	209	He	800395.40	1.2	100.4	60	125	

Sample Report

File Name 024SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:19:31

Sample Name **mb 460-965007/1-a**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	87.0	2000	
B	11	6	No Gas	2.666	ug/l	0.5	2000	
Na	23	45	He	-2.202	ug/l	N/A	500000	
Mg	24	45	He	29.071	ug/l	3.0	500000	
Al	27	45	He	0.066	ug/l	1901.3	500000	
K	39	45	He	76.108	ug/l	153.4	500000	
Ca	40	45	H2	105.744	ug/l	1.0	1000000	
Ti	47	45	No Gas	0.671	ug/l	13.6	10000	
V	51	45	He	0.053	ug/l	61.3	5000	
Cr	52	45	He	-0.190	ug/l	N/A	20000	
Mn	55	45	He	0.101	ug/l	55.2	20000	
Fe	56	45	H2	1.809	ug/l	7.9	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	0.024	ug/l	313.2	20000	
Cu	63	45	He	-0.217	ug/l	N/A	20000	
Zn	66	45	He	0.655	ug/l	26.8	20000	
As	75	45	He	0.091	ug/l	41.7	5000	
Se	78	45	H2	0.184	ug/l	43.6	3000	
Sr	88	115	He	0.080	ug/l	60.6	5000	
Mo	95	115	He	0.132	ug/l	37.9	2000	
Ag	107	115	He	0.003	ug/l	91.9	1000	
Cd	111	115	He	0.022	ug/l	35.5	5000	
Sn	118	115	He	0.028	ug/l	114.6	2000	
Sb	121	115	He	0.025	ug/l	124.3	1000	
Ba	137	159	He	0.053	ug/l	55.6	20000	
Tl	205	209	He	-0.122	ug/l	N/A	1000	
[Pb]	206	209	He	0.073	ug/l	36.1		
[Pb]	207	209	He	0.072	ug/l	32.7		
Pb	208	209	He	0.079	ug/l	5.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11872568.85	1.0	101.9	60	125	
Sc (ISICPMS)	45	No Gas	10251794.22	0.6	101.5	60	125	
Sc (ISICPMS)	45	H2	3480343.07	0.6	99.8	60	125	
Sc (ISICPMS)	45	He	128084.75	1.8	99.8	60	125	
Ge (IS)	74	H2	668797.14	0.7	99.6	60	125	
Ge (IS)	74	He	66000.08	2.9	101.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160450.40	2.4	100.2	60	125	
Tb (IS)	159	He	935140.39	0.8	100.1	60	125	
Bi (IS)	209	He	799071.04	1.0	100.2	60	125	

Sample Report

File Name 025SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:21:54

Sample Name **lcs 460-965007/2-a**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.230	ug/l	0.2	2000	
B	11	6	No Gas	464.379	ug/l	1.0	2000	
Na	23	45	He	2429.950	ug/l	0.5	500000	
Mg	24	45	He	2454.193	ug/l	0.1	500000	
Al	27	45	He	2459.064	ug/l	1.3	500000	
K	39	45	He	2524.700	ug/l	1.8	500000	
Ca	40	45	H2	2440.903	ug/l	1.4	1000000	
Ti	47	45	No Gas	46.972	ug/l	1.0	10000	
V	51	45	He	46.661	ug/l	1.3	5000	
Cr	52	45	He	46.038	ug/l	1.4	20000	
Mn	55	45	He	233.762	ug/l	2.5	20000	
Fe	56	45	H2	2409.992	ug/l	2.2	500000	
Co	59	45	He	23.777	ug/l	1.9	2000	
Ni	60	45	He	49.084	ug/l	1.4	20000	
Cu	63	45	He	48.129	ug/l	1.8	20000	
Zn	66	45	He	244.793	ug/l	0.8	20000	
As	75	45	He	46.076	ug/l	1.6	5000	
Se	78	45	H2	44.935	ug/l	1.0	3000	
Sr	88	115	He	45.701	ug/l	1.5	5000	
Mo	95	115	He	44.351	ug/l	1.3	2000	
Ag	107	115	He	23.930	ug/l	1.0	1000	
Cd	111	115	He	23.699	ug/l	1.8	5000	
Sn	118	115	He	47.279	ug/l	2.2	2000	
Sb	121	115	He	24.326	ug/l	1.5	1000	
Ba	137	159	He	47.973	ug/l	1.7	20000	
Tl	205	209	He	18.583	ug/l	0.7	1000	
[Pb]	206	209	He	23.501	ug/l	1.4		
[Pb]	207	209	He	23.198	ug/l	1.0		
Pb	208	209	He	23.387	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12150506.77	0.3	104.3	60	125	
Sc (ISICPMS)	45	No Gas	10415803.25	0.6	103.1	60	125	
Sc (ISICPMS)	45	H2	3584554.36	1.1	102.8	60	125	
Sc (ISICPMS)	45	He	131860.33	1.0	102.7	60	125	
Ge (IS)	74	H2	673687.64	0.7	100.3	60	125	
Ge (IS)	74	He	67769.43	1.8	103.7	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	165236.76	1.6	103.2	60	125	
Tb (IS)	159	He	950619.31	0.9	101.8	60	125	
Bi (IS)	209	He	820288.23	0.7	102.9	60	125	

Sample Report

File Name 026SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:24:18

Sample Name **PDS 620-16957-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.466	ug/l	1.0	2000	
B	11	6	No Gas	560.307	ug/l	0.9	2000	
Na	23	45	He	223664.248	ug/l	0.5	500000	
Mg	24	45	He	21298.696	ug/l	0.5	500000	
Al	27	45	He	2494.298	ug/l	0.5	500000	
K	39	45	He	9317.346	ug/l	0.7	500000	
Ca	40	45	H2	32205.503	ug/l	0.3	1000000	
Ti	47	45	No Gas	48.523	ug/l	2.3	10000	
V	51	45	He	50.564	ug/l	2.2	5000	
Cr	52	45	He	46.412	ug/l	0.7	20000	
Mn	55	45	He	244.204	ug/l	0.3	20000	
Fe	56	45	H2	2560.465	ug/l	0.6	500000	
Co	59	45	He	24.115	ug/l	1.6	2000	
Ni	60	45	He	48.915	ug/l	3.5	20000	
Cu	63	45	He	54.951	ug/l	1.2	20000	
Zn	66	45	He	255.987	ug/l	0.6	20000	
As	75	45	He	49.484	ug/l	4.8	5000	
Se	78	45	H2	47.615	ug/l	2.2	3000	
Sr	88	115	He	351.202	ug/l	1.8	5000	
Mo	95	115	He	49.109	ug/l	0.3	2000	
Ag	107	115	He	24.058	ug/l	1.8	1000	
Cd	111	115	He	24.649	ug/l	0.4	5000	
Sn	118	115	He	50.373	ug/l	1.1	2000	
Sb	121	115	He	21.324	ug/l	1.1	1000	
Ba	137	159	He	76.596	ug/l	2.3	20000	
Tl	205	209	He	19.719	ug/l	0.6	1000	
[Pb]	206	209	He	24.982	ug/l	0.6		
[Pb]	207	209	He	24.814	ug/l	1.1		
Pb	208	209	He	24.824	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11373433.72	0.7	97.6	60	125	
Sc (ISICPMS)	45	No Gas	10325150.68	1.8	102.2	60	125	
Sc (ISICPMS)	45	H2	3524311.58	0.9	101.1	60	125	
Sc (ISICPMS)	45	He	130694.14	0.9	101.8	60	125	
Ge (IS)	74	H2	696864.41	1.3	103.7	60	125	
Ge (IS)	74	He	70573.73	1.5	108.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159901.05	1.5	99.8	60	125	
Tb (IS)	159	He	941938.68	0.7	100.8	60	125	
Bi (IS)	209	He	779910.55	0.6	97.8	60	125	

Sample Report

File Name 027SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:26:41

Sample Name **620-16957-c-1-c ms**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.111	ug/l	0.9	2000	
B	11	6	No Gas	547.326	ug/l	0.7	2000	
Na	23	45	He	227992.453	ug/l	1.2	500000	
Mg	24	45	He	21533.808	ug/l	1.9	500000	
Al	27	45	He	2452.686	ug/l	0.6	500000	
K	39	45	He	9446.853	ug/l	1.0	500000	
Ca	40	45	H2	32804.959	ug/l	1.1	1000000	
Ti	47	45	No Gas	48.536	ug/l	0.4	10000	
V	51	45	He	49.902	ug/l	1.0	5000	
Cr	52	45	He	45.393	ug/l	1.8	20000	
Mn	55	45	He	243.534	ug/l	1.6	20000	
Fe	56	45	H2	2517.875	ug/l	1.4	500000	
Co	59	45	He	23.498	ug/l	1.2	2000	
Ni	60	45	He	47.645	ug/l	2.0	20000	
Cu	63	45	He	58.808	ug/l	1.5	20000	
Zn	66	45	He	253.191	ug/l	1.6	20000	
As	75	45	He	48.898	ug/l	4.0	5000	
Se	78	45	H2	47.666	ug/l	1.1	3000	
Sr	88	115	He	358.990	ug/l	1.5	5000	
Mo	95	115	He	47.619	ug/l	1.3	2000	
Ag	107	115	He	23.566	ug/l	1.1	1000	
Cd	111	115	He	24.546	ug/l	3.2	5000	
Sn	118	115	He	48.696	ug/l	2.4	2000	
Sb	121	115	He	25.994	ug/l	0.7	1000	
Ba	137	159	He	75.058	ug/l	0.6	20000	
Tl	205	209	He	19.166	ug/l	0.6	1000	
[Pb]	206	209	He	24.644	ug/l	0.8		
[Pb]	207	209	He	24.063	ug/l	0.9		
Pb	208	209	He	24.245	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11511684.27	0.7	98.8	60	125	
Sc (ISICPMS)	45	No Gas	10222675.61	0.6	101.2	60	125	
Sc (ISICPMS)	45	H2	3488335.09	1.0	100.0	60	125	
Sc (ISICPMS)	45	He	130241.85	2.6	101.4	60	125	
Ge (IS)	74	H2	697873.54	0.4	103.9	60	125	
Ge (IS)	74	He	70397.83	2.1	107.8	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161563.37	1.0	100.9	60	125	
Tb (IS)	159	He	954003.53	0.9	102.1	60	125	
Bi (IS)	209	He	787060.65	1.1	98.7	60	125	

Sample Report

File Name 028SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:29:05

Sample Name **620-16957-c-1-b du**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	67.1	2000	
B	11	6	No Gas	73.490	ug/l	0.2	2000	
Na	23	45	He	225776.012	ug/l	0.4	500000	
Mg	24	45	He	19216.228	ug/l	0.3	500000	
Al	27	45	He	19.826	ug/l	11.0	500000	
K	39	45	He	7016.467	ug/l	0.9	500000	
Ca	40	45	H2	30255.624	ug/l	1.3	1000000	
Ti	47	45	No Gas	1.012	ug/l	7.0	10000	
V	51	45	He	2.153	ug/l	7.9	5000	
Cr	52	45	He	-1.452	ug/l	N/A	20000	
Mn	55	45	He	4.929	ug/l	8.7	20000	
Fe	56	45	H2	106.347	ug/l	3.6	500000	
Co	59	45	He	0.023	ug/l	84.1	2000	
Ni	60	45	He	0.838	ug/l	11.2	20000	
Cu	63	45	He	7.315	ug/l	3.0	20000	
Zn	66	45	He	9.323	ug/l	6.1	20000	
As	75	45	He	0.517	ug/l	24.0	5000	
Se	78	45	H2	0.167	ug/l	40.1	3000	
Sr	88	115	He	307.580	ug/l	0.8	5000	
Mo	95	115	He	1.336	ug/l	4.2	2000	
Ag	107	115	He	0.045	ug/l	15.4	1000	
Cd	111	115	He	0.009	ug/l	86.6	5000	
Sn	118	115	He	0.074	ug/l	62.0	2000	
Sb	121	115	He	0.121	ug/l	25.2	1000	
Ba	137	159	He	27.955	ug/l	1.6	20000	
Tl	205	209	He	-0.132	ug/l	N/A	1000	
[Pb]	206	209	He	0.270	ug/l	11.2		
[Pb]	207	209	He	0.263	ug/l	6.9		
Pb	208	209	He	0.278	ug/l	10.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11464197.47	0.8	98.4	60	125	
Sc (ISICPMS)	45	No Gas	10320205.05	1.2	102.1	60	125	
Sc (ISICPMS)	45	H2	3541551.16	0.1	101.6	60	125	
Sc (ISICPMS)	45	He	130220.84	0.7	101.4	60	125	
Ge (IS)	74	H2	708881.33	0.8	105.5	60	125	
Ge (IS)	74	He	71184.90	1.7	109.0	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162495.17	2.0	101.5	60	125	
Tb (IS)	159	He	951329.08	0.9	101.8	60	125	
Bi (IS)	209	He	790497.55	0.5	99.1	60	125	

Sample Report

File Name 029SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:31:28

Sample Name **620-16957-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	143.6	2000	
B	11	6	No Gas	68.171	ug/l	0.2	2000	
Na	23	45	He	229609.735	ug/l	4.5	500000	
Mg	24	45	He	19678.304	ug/l	5.9	500000	
Al	27	45	He	24.277	ug/l	15.3	500000	
K	39	45	He	7120.047	ug/l	3.5	500000	
Ca	40	45	H2	30158.737	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.064	ug/l	12.3	10000	
V	51	45	He	2.058	ug/l	9.8	5000	
Cr	52	45	He	-1.400	ug/l	N/A	20000	
Mn	55	45	He	7.482	ug/l	10.3	20000	
Fe	56	45	H2	123.676	ug/l	1.4	500000	
Co	59	45	He	0.007	ug/l	73.7	2000	
Ni	60	45	He	1.044	ug/l	17.8	20000	
Cu	63	45	He	7.809	ug/l	5.2	20000	
Zn	66	45	He	9.900	ug/l	4.0	20000	
As	75	45	He	0.333	ug/l	60.4	5000	
Se	78	45	H2	0.146	ug/l	34.5	3000	
Sr	88	115	He	317.697	ug/l	5.3	5000	
Mo	95	115	He	1.289	ug/l	9.5	2000	
Ag	107	115	He	0.035	ug/l	14.4	1000	
Cd	111	115	He	0.018	ug/l	86.6	5000	
Sn	118	115	He	-0.001	ug/l	N/A	2000	
Sb	121	115	He	0.184	ug/l	8.1	1000	
Ba	137	159	He	28.513	ug/l	5.6	20000	
Tl	205	209	He	-0.133	ug/l	N/A	1000	
[Pb]	206	209	He	0.249	ug/l	10.1		
[Pb]	207	209	He	0.239	ug/l	6.3		
Pb	208	209	He	0.239	ug/l	4.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11403614.27	0.8	97.9	60	125	
Sc (ISICPMS)	45	No Gas	10279116.86	0.7	101.7	60	125	
Sc (ISICPMS)	45	H2	3556955.89	0.3	102.0	60	125	
Sc (ISICPMS)	45	He	129379.35	1.1	100.8	60	125	
Ge (IS)	74	H2	709991.54	0.4	105.7	60	125	
Ge (IS)	74	He	70411.38	1.2	107.8	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160203.10	0.5	100.0	60	125	
Tb (IS)	159	He	947024.93	1.4	101.4	60	125	
Bi (IS)	209	He	782217.53	1.6	98.1	60	125	

Sample Report

File Name 030SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:33:52

Sample Name **SD 620-16957-c-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	265.0	2000	
B	11	6	No Gas	16.823	ug/l	0.7	2000	
Na	23	45	He	45352.486	ug/l	0.2	500000	
Mg	24	45	He	3861.360	ug/l	0.7	500000	
Al	27	45	He	5.436	ug/l	63.1	500000	
K	39	45	He	1462.360	ug/l	7.4	500000	
Ca	40	45	H2	6047.596	ug/l	1.0	1000000	
Ti	47	45	No Gas	-0.055	ug/l	N/A	10000	
V	51	45	He	0.586	ug/l	7.3	5000	
Cr	52	45	He	-0.581	ug/l	N/A	20000	
Mn	55	45	He	1.559	ug/l	2.1	20000	
Fe	56	45	H2	25.653	ug/l	3.8	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	0.167	ug/l	75.2	20000	
Cu	63	45	He	1.255	ug/l	1.8	20000	
Zn	66	45	He	2.598	ug/l	14.7	20000	
As	75	45	He	0.065	ug/l	59.8	5000	
Se	78	45	H2	0.065	ug/l	47.5	3000	
Sr	88	115	He	60.578	ug/l	0.8	5000	
Mo	95	115	He	0.377	ug/l	15.2	2000	
Ag	107	115	He	0.004	ug/l	82.5	1000	
Cd	111	115	He	0.013	ug/l	99.4	5000	
Sn	118	115	He	0.117	ug/l	131.1	2000	
Sb	121	115	He	0.027	ug/l	164.7	1000	
Ba	137	159	He	5.553	ug/l	3.7	20000	
Tl	205	209	He	-0.137	ug/l	N/A	1000	
[Pb]	206	209	He	0.088	ug/l	44.7		
[Pb]	207	209	He	0.059	ug/l	35.4		
Pb	208	209	He	0.080	ug/l	2.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11600396.22	0.6	99.6	60	125	
Sc (ISICPMS)	45	No Gas	10255950.12	0.2	101.5	60	125	
Sc (ISICPMS)	45	H2	3500282.14	0.9	100.4	60	125	
Sc (ISICPMS)	45	He	129526.06	1.5	100.9	60	125	
Ge (IS)	74	H2	689627.66	0.5	102.7	60	125	
Ge (IS)	74	He	69437.30	1.3	106.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161519.95	1.1	100.9	60	125	
Tb (IS)	159	He	938575.19	0.4	100.5	60	125	
Bi (IS)	209	He	795433.79	0.9	99.8	60	125	

Sample Report

File Name 031SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:36:14

Sample Name **460-300123-a-8-a**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	365.2	2000	
B	11	6	No Gas	4.705	ug/l	3.2	2000	
Na	23	45	He	207.605	ug/l	2.1	500000	
Mg	24	45	He	7.885	ug/l	7.9	500000	
Al	27	45	He	14.682	ug/l	2.6	500000	
K	39	45	He	73.997	ug/l	112.1	500000	
Ca	40	45	H2	32.672	ug/l	2.4	1000000	
Ti	47	45	No Gas	0.466	ug/l	322.2	10000	
V	51	45	He	0.123	ug/l	42.7	5000	
Cr	52	45	He	-1.002	ug/l	N/A	20000	
Mn	55	45	He	0.433	ug/l	30.2	20000	
Fe	56	45	H2	20.725	ug/l	1.4	500000	
Co	59	45	He	0.016	ug/l	11.1	2000	
Ni	60	45	He	0.458	ug/l	14.1	20000	
Cu	63	45	He	7.153	ug/l	0.7	20000	
Zn	66	45	He	12.910	ug/l	5.9	20000	
As	75	45	He	0.062	ug/l	79.6	5000	
Se	78	45	H2	0.056	ug/l	40.5	3000	
Sr	88	115	He	0.369	ug/l	20.1	5000	
Mo	95	115	He	1.236	ug/l	6.6	2000	
Ag	107	115	He	0.014	ug/l	76.0	1000	
Cd	111	115	He	0.009	ug/l	173.2	5000	
Sn	118	115	He	0.858	ug/l	33.2	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	0.958	ug/l	13.2	20000	
Tl	205	209	He	-0.134	ug/l	N/A	1000	
[Pb]	206	209	He	0.334	ug/l	4.6		
[Pb]	207	209	He	0.304	ug/l	5.4		
Pb	208	209	He	0.322	ug/l	4.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11948181.07	0.8	102.6	60	125	
Sc (ISICPMS)	45	No Gas	10334059.15	1.2	102.3	60	125	
Sc (ISICPMS)	45	H2	3563971.72	0.7	102.2	60	125	
Sc (ISICPMS)	45	He	131638.42	1.2	102.5	60	125	
Ge (IS)	74	H2	677928.32	1.1	100.9	60	125	
Ge (IS)	74	He	68043.55	0.3	104.2	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	166208.36	1.0	103.8	60	125	
Tb (IS)	159	He	962208.85	0.5	103.0	60	125	
Bi (IS)	209	He	829039.85	0.5	104.0	60	125	

Sample Report

File Name 032SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:38:38

Sample Name **620-16919-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	31.6	2000	
B	11	6	No Gas	104.065	ug/l	0.3	2000	
Na	23	45	He	286467.137	ug/l	0.5	500000	
Mg	24	45	He	27111.160	ug/l	1.0	500000	
Al	27	45	He	22.575	ug/l	14.9	500000	
K	39	45	He	11770.463	ug/l	0.7	500000	
Ca	40	45	H2	18269.676	ug/l	1.4	1000000	
Ti	47	45	No Gas	0.833	ug/l	11.2	10000	
V	51	45	He	2.654	ug/l	0.8	5000	
Cr	52	45	He	-1.558	ug/l	N/A	20000	
Mn	55	45	He	5.097	ug/l	5.0	20000	
Fe	56	45	H2	83.155	ug/l	1.4	500000	
Co	59	45	He	0.030	ug/l	41.0	2000	
Ni	60	45	He	1.152	ug/l	10.5	20000	
Cu	63	45	He	8.104	ug/l	2.2	20000	
Zn	66	45	He	9.359	ug/l	10.0	20000	
As	75	45	He	0.159	ug/l	134.3	5000	
Se	78	45	H2	0.057	ug/l	51.1	3000	
Sr	88	115	He	221.022	ug/l	1.5	5000	
Mo	95	115	He	1.232	ug/l	6.6	2000	
Ag	107	115	He	0.042	ug/l	26.9	1000	
Cd	111	115	He	0.013	ug/l	99.4	5000	
Sn	118	115	He	1.320	ug/l	6.8	2000	
Sb	121	115	He	0.126	ug/l	31.5	1000	
Ba	137	159	He	12.398	ug/l	9.5	20000	
Tl	205	209	He	-0.128	ug/l	N/A	1000	
[Pb]	206	209	He	0.249	ug/l	16.3		
[Pb]	207	209	He	0.228	ug/l	11.2		
Pb	208	209	He	0.243	ug/l	11.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11630113.72	0.2	99.8	60	125	
Sc (ISICPMS)	45	No Gas	10215800.68	0.6	101.1	60	125	
Sc (ISICPMS)	45	H2	3531503.87	0.6	101.3	60	125	
Sc (ISICPMS)	45	He	131345.27	1.2	102.3	60	125	
Ge (IS)	74	H2	703295.60	1.0	104.7	60	125	
Ge (IS)	74	He	72101.21	1.7	110.4	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162346.56	1.0	101.4	60	125	
Tb (IS)	159	He	952959.47	0.3	102.0	60	125	
Bi (IS)	209	He	786570.13	1.1	98.6	60	125	

Sample Report

File Name 033SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:41:01

Sample Name **620-16919-c-2-a**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	58.9	2000	
B	11	6	No Gas	2352.586	ug/l	1.3	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	5298075.949	ug/l	0.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	621049.114	ug/l	1.7	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	46.127	ug/l	5.7	500000	
K	39	45	He	204377.774	ug/l	2.0	500000	
Ca	40	45	H2	216607.867	ug/l	0.9	1000000	
Ti	47	45	No Gas	2.849	ug/l	10.3	10000	
V	51	45	He	1.531	ug/l	5.9	5000	
Cr	52	45	He	-1.064	ug/l	N/A	20000	
Mn	55	45	He	15.357	ug/l	2.5	20000	
Fe	56	45	H2	117.081	ug/l	0.5	500000	
Co	59	45	He	0.078	ug/l	20.5	2000	
Ni	60	45	He	0.116	ug/l	76.8	20000	
Cu	63	45	He	0.677	ug/l	6.5	20000	
Zn	66	45	He	3.271	ug/l	10.2	20000	
As	75	45	He	0.865	ug/l	23.6	5000	
Se	78	45	H2	0.115	ug/l	53.0	3000	
Sr	88	115	He	3900.656	ug/l	0.7	5000	
Mo	95	115	He	5.589	ug/l	5.8	2000	
Ag	107	115	He	0.015	ug/l	21.3	1000	
Cd	111	115	He	0.036	ug/l	75.8	5000	
Sn	118	115	He	-0.031	ug/l	N/A	2000	
Sb	121	115	He	0.119	ug/l	32.1	1000	
Ba	137	159	He	10.025	ug/l	4.6	20000	
Tl	205	209	He	-0.122	ug/l	N/A	1000	
[Pb]	206	209	He	0.476	ug/l	8.4		
[Pb]	207	209	He	0.473	ug/l	5.3		
Pb	208	209	He	0.477	ug/l	4.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9851884.79	1.2	84.6	60	125	
Sc (ISICPMS)	45	No Gas	9358731.46	0.3	92.6	60	125	
Sc (ISICPMS)	45	H2	3430055.75	0.4	98.4	60	125	
Sc (ISICPMS)	45	He	134675.56	1.5	104.9	60	125	
Ge (IS)	74	H2	659259.71	0.9	98.1	60	125	
Ge (IS)	74	He	70381.78	2.0	107.7	60	125	
Kr	83	He	13.35	114.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157370.55	2.5	98.3	60	125	
Tb (IS)	159	He	904446.89	1.6	96.8	60	125	
Bi (IS)	209	He	684418.33	2.4	85.8	60	125	

Continuing Calibration Verification (CCV)

File Name 034_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:43:27

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.912	ug/l	2.2	100	90	110	
B	11	6	No Gas	257.647	ug/l	1.6	250	225	275	
Na	23	45	He	25180.990	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	24824.690	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25287.737	ug/l	0.6	25000	22500	27500	
K	39	45	He	25224.933	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25142.011	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	97.468	ug/l	1.4	100	90	110	
V	51	45	He	98.869	ug/l	1.7	100	90	110	
Cr	52	45	He	98.584	ug/l	0.9	100	90	110	
Mn	55	45	He	100.026	ug/l	1.5	100	90	110	
Fe	56	45	H2	24883.701	ug/l	1.4	25000	22500	27500	
Co	59	45	He	99.979	ug/l	1.2	100	90	110	
Ni	60	45	He	100.025	ug/l	0.3	100	90	110	
Cu	63	45	He	98.528	ug/l	1.6	100	90	110	
Zn	66	45	He	248.383	ug/l	1.2	250	225	275	
As	75	45	He	98.753	ug/l	1.0	100	90	110	
Se	78	45	H2	99.599	ug/l	1.9	100	90	110	
Sr	88	115	He	98.099	ug/l	0.5	100	90	110	
Mo	95	115	He	96.905	ug/l	0.3	100	90	110	
Ag	107	115	He	48.457	ug/l	0.7	50	45	55	
Cd	111	115	He	97.393	ug/l	0.6	100	90	110	
Sn	118	115	He	99.424	ug/l	1.5	100	90	110	
Sb	121	115	He	98.657	ug/l	0.6	100	90	110	
Ba	137	159	He	100.969	ug/l	0.6	100	90	110	
Tl	205	209	He	98.924	ug/l	0.6	100	90	110	
[Pb]	206	209	He	97.577	ug/l	0.2				
[Pb]	207	209	He	97.809	ug/l	0.8				
Pb	208	209	He	97.765	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11783611.49	1.2	101.1	60	125	
Sc (ISICPMS)	45	No Gas	10230281.79	0.1	101.3	60	125	
Sc (ISICPMS)	45	H2	3572927.45	0.3	102.5	60	125	
Sc (ISICPMS)	45	He	133921.72	0.9	104.3	60	125	
Ge (IS)	74	H2	714092.60	1.0	106.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	73759.87	2.7	112.9	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	174038.84	2.2	108.7	60	125	
Tb (IS)	159	He	994493.50	1.4	106.5	60	125	
Bi (IS)	209	He	843504.98	1.5	105.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 035_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:45:50

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	12.9	0.8	-0.8	0.8	
B	11	6	No Gas	9.663	ug/l	1.4	40	-40	40	
Na	23	45	He	180.162	ug/l	3.9	500	-500	500	
Mg	24	45	He	7.933	ug/l	2.0	200	-200	200	
Al	27	45	He	-0.329	ug/l	N/A	40	-40	40	
K	39	45	He	77.907	ug/l	119.7	200	-200	200	
Ca	40	45	H2	5.278	ug/l	28.5	500	-500	500	
Ti	47	45	No Gas	0.025	ug/l	724.6	4	-4	4	
V	51	45	He	0.352	ug/l	23.8	4	-4	4	
Cr	52	45	He	-0.209	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.084	ug/l	106.1	8	-8	8	
Fe	56	45	H2	1.455	ug/l	69.9	60	-60	60	
Co	59	45	He	-0.007	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.147	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.267	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.783	ug/l	33.3	16	-16	16	
As	75	45	He	0.180	ug/l	66.2	2	-2	2	
Se	78	45	H2	0.161	ug/l	32.7	2.5	-2.5	2.5	
Sr	88	115	He	0.050	ug/l	35.2	4	-4	4	
Mo	95	115	He	0.134	ug/l	44.7	4	-4	4	
Ag	107	115	He	0.004	ug/l	172.0	2	-2	2	
Cd	111	115	He	0.008	ug/l	86.6	2	-2	2	
Sn	118	115	He	0.136	ug/l	101.4	16	-16	16	
Sb	121	115	He	-0.035	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.065	ug/l	232.0	4	-4	4	
Tl	205	209	He	-0.120	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.066	ug/l	18.8				
[Pb]	207	209	He	0.074	ug/l	33.8				
Pb	208	209	He	0.076	ug/l	6.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11734275.38	0.6	100.7	60	125	
Sc (ISICPMS)	45	No Gas	10279508.32	1.6	101.7	60	125	
Sc (ISICPMS)	45	H2	3637788.10	1.1	104.3	60	125	
Sc (ISICPMS)	45	He	136792.82	1.6	106.6	60	125	
Ge (IS)	74	H2	706541.49	1.0	105.2	60	125	
Ge (IS)	74	He	72601.47	2.2	111.1	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	176454.67	1.3	110.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	1004230.61	0.7	107.5	60	125	
Bi (IS)	209	He	863041.12	0.3	108.2	60	125	

Sample Report

File Name 036SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:48:14

Sample Name **620-16957-c-2-a**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	89.7	2000	
B	11	6	No Gas	3103.199	ug/l	0.8	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	7071955.116	ug/l	1.4	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	823370.378	ug/l	2.4	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	27.786	ug/l	2.9	500000	
K	39	45	He	273048.024	ug/l	2.0	500000	
Ca	40	45	H2	285410.622	ug/l	0.7	1000000	
Ti	47	45	No Gas	2.742	ug/l	9.2	10000	
V	51	45	He	1.556	ug/l	0.7	5000	
Cr	52	45	He	-1.182	ug/l	N/A	20000	
Mn	55	45	He	7.428	ug/l	6.5	20000	
Fe	56	45	H2	72.128	ug/l	1.4	500000	
Co	59	45	He	0.053	ug/l	8.6	2000	
Ni	60	45	He	0.061	ug/l	38.8	20000	
Cu	63	45	He	0.790	ug/l	17.6	20000	
Zn	66	45	He	4.110	ug/l	5.1	20000	
As	75	45	He	1.372	ug/l	10.2	5000	
Se	78	45	H2	0.217	ug/l	52.4	3000	
Sr	88	115	He	5139.818	ug/l	1.1	5000	>LDR 6020B□>LDR 200.8
Mo	95	115	He	7.250	ug/l	3.1	2000	
Ag	107	115	He	0.016	ug/l	68.3	1000	
Cd	111	115	He	0.041	ug/l	33.3	5000	
Sn	118	115	He	-0.222	ug/l	N/A	2000	
Sb	121	115	He	0.182	ug/l	15.1	1000	
Ba	137	159	He	8.908	ug/l	9.4	20000	
Tl	205	209	He	-0.129	ug/l	N/A	1000	
[Pb]	206	209	He	0.490	ug/l	7.5		
[Pb]	207	209	He	0.520	ug/l	10.2		
Pb	208	209	He	0.492	ug/l	9.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9562255.41	0.3	82.1	60	125	
Sc (ISICPMS)	45	No Gas	9244797.36	2.1	91.5	60	125	
Sc (ISICPMS)	45	H2	3397147.00	0.5	97.4	60	125	
Sc (ISICPMS)	45	He	133343.17	2.8	103.9	60	125	
Ge (IS)	74	H2	649927.57	0.3	96.8	60	125	
Ge (IS)	74	He	70192.95	1.6	107.5	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155297.07	0.3	97.0	60	125	
Tb (IS)	159	He	873415.89	1.4	93.5	60	125	
Bi (IS)	209	He	659103.10	2.4	82.7	60	125	

Sample Report

File Name 037SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:50:39

Sample Name **460-299355-a-1-b**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	261.927	ug/l	2.1	2000	
B	11	6	No Gas	1307.242	ug/l	0.5	2000	
Na	23	45	He	596.923	ug/l	1.6	500000	
Mg	24	45	He	31.694	ug/l	8.2	500000	
Al	27	45	He	296.177	ug/l	1.4	500000	
K	39	45	He	117.868	ug/l	98.7	500000	
Ca	40	45	H2	45.299	ug/l	1.7	1000000	
Ti	47	45	No Gas	-0.445	ug/l	N/A	10000	
V	51	45	He	202.014	ug/l	0.7	5000	
Cr	52	45	He	854.861	ug/l	0.7	20000	
Mn	55	45	He	998.914	ug/l	1.2	20000	
Fe	56	45	H2	3942.690	ug/l	0.7	500000	
Co	59	45	He	340.534	ug/l	0.6	2000	
Ni	60	45	He	1129.892	ug/l	1.1	20000	
Cu	63	45	He	164.132	ug/l	1.3	20000	
Zn	66	45	He	1559.426	ug/l	1.1	20000	
As	75	45	He	307.458	ug/l	2.1	5000	
Se	78	45	H2	904.760	ug/l	1.1	3000	
Sr	88	115	He	249.209	ug/l	0.2	5000	
Mo	95	115	He	176.507	ug/l	0.6	2000	
Ag	107	115	He	177.439	ug/l	0.4	1000	
Cd	111	115	He	581.438	ug/l	0.5	5000	
Sn	118	115	He	-0.135	ug/l	N/A	2000	
Sb	121	115	He	166.782	ug/l	1.1	1000	
Ba	137	159	He	893.874	ug/l	1.4	20000	
Tl	205	209	He	559.432	ug/l	0.9	1000	
[Pb]	206	209	He	836.142	ug/l	0.6		
[Pb]	207	209	He	832.004	ug/l	0.3		
Pb	208	209	He	831.831	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12535081.76	1.3	107.6	60	125	
Sc (ISICPMS)	45	No Gas	10792910.12	0.6	106.8	60	125	
Sc (ISICPMS)	45	H2	3745349.94	1.1	107.4	60	125	
Sc (ISICPMS)	45	He	141299.99	2.2	110.1	60	125	
Ge (IS)	74	H2	736020.69	0.3	109.6	60	125	
Ge (IS)	74	He	76695.31	2.2	117.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	180317.66	2.1	112.6	60	125	
Tb (IS)	159	He	1022470.45	1.0	109.5	60	125	
Bi (IS)	209	He	869243.59	1.0	109.0	60	125	

Sample Report

File Name 038SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:53:03

Sample Name **460-299355-a-3-a**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.106	ug/l	8.2	2000	
B	11	6	No Gas	126.068	ug/l	1.0	2000	
Na	23	45	He	356.133	ug/l	5.0	500000	
Mg	24	45	He	12.474	ug/l	6.3	500000	
Al	27	45	He	39.781	ug/l	4.2	500000	
K	39	45	He	99.348	ug/l	70.5	500000	
Ca	40	45	H2	10.200	ug/l	5.0	1000000	
Ti	47	45	No Gas	260.440	ug/l	0.6	10000	
V	51	45	He	1.081	ug/l	9.8	5000	
Cr	52	45	He	-0.745	ug/l	N/A	20000	
Mn	55	45	He	0.960	ug/l	2.8	20000	
Fe	56	45	H2	8.098	ug/l	7.7	500000	
Co	59	45	He	0.137	ug/l	14.2	2000	
Ni	60	45	He	0.362	ug/l	14.8	20000	
Cu	63	45	He	0.024	ug/l	332.6	20000	
Zn	66	45	He	2.435	ug/l	11.4	20000	
As	75	45	He	0.316	ug/l	8.4	5000	
Se	78	45	H2	1.898	ug/l	7.7	3000	
Sr	88	115	He	0.231	ug/l	32.7	5000	
Mo	95	115	He	0.453	ug/l	21.3	2000	
Ag	107	115	He	0.176	ug/l	18.5	1000	
Cd	111	115	He	0.251	ug/l	30.6	5000	
Sn	118	115	He	367.845	ug/l	1.4	2000	
Sb	121	115	He	0.196	ug/l	9.7	1000	
Ba	137	159	He	0.602	ug/l	3.8	20000	
Tl	205	209	He	0.146	ug/l	1.8	1000	
[Pb]	206	209	He	0.444	ug/l	4.3		
[Pb]	207	209	He	0.459	ug/l	7.5		
Pb	208	209	He	0.457	ug/l	2.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12275296.90	1.3	105.4	60	125	
Sc (ISICPMS)	45	No Gas	10772581.23	0.4	106.6	60	125	
Sc (ISICPMS)	45	H2	3737402.41	1.5	107.2	60	125	
Sc (ISICPMS)	45	He	139976.82	0.9	109.0	60	125	
Ge (IS)	74	H2	751523.05	0.7	111.9	60	125	
Ge (IS)	74	He	76680.20	0.5	117.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	178772.64	0.7	111.6	60	125	
Tb (IS)	159	He	1007413.71	0.7	107.8	60	125	
Bi (IS)	209	He	872232.95	1.0	109.4	60	125	

Sample Report

File Name 039SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:55:25

Sample Name **460-299355-a-7-a**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	72.3	2000	
B	11	6	No Gas	14.725	ug/l	1.3	2000	
Na	23	45	He	90732.320	ug/l	2.5	500000	
Mg	24	45	He	18728.496	ug/l	2.2	500000	
Al	27	45	He	0.050	ug/l	378.8	500000	
K	39	45	He	32046.651	ug/l	1.6	500000	
Ca	40	45	H2	29047.094	ug/l	1.0	1000000	
Ti	47	45	No Gas	-0.817	ug/l	N/A	10000	
V	51	45	He	0.948	ug/l	2.1	5000	
Cr	52	45	He	-1.653	ug/l	N/A	20000	
Mn	55	45	He	0.060	ug/l	106.0	20000	
Fe	56	45	H2	-3.632	ug/l	N/A	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-0.297	ug/l	N/A	20000	
Cu	63	45	He	-0.155	ug/l	N/A	20000	
Zn	66	45	He	1.000	ug/l	70.8	20000	
As	75	45	He	0.123	ug/l	24.6	5000	
Se	78	45	H2	0.517	ug/l	11.8	3000	
Sr	88	115	He	4.480	ug/l	5.9	5000	
Mo	95	115	He	0.129	ug/l	10.5	2000	
Ag	107	115	He	0.035	ug/l	50.9	1000	
Cd	111	115	He	0.020	ug/l	124.5	5000	
Sn	118	115	He	0.260	ug/l	42.7	2000	
Sb	121	115	He	0.006	ug/l	183.9	1000	
Ba	137	159	He	0.198	ug/l	39.4	20000	
Tl	205	209	He	-0.113	ug/l	N/A	1000	
[Pb]	206	209	He	0.121	ug/l	18.1		
[Pb]	207	209	He	0.170	ug/l	16.5		
Pb	208	209	He	0.134	ug/l	12.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11945816.77	0.8	102.5	60	125	
Sc (ISICPMS)	45	No Gas	10558239.63	0.3	104.5	60	125	
Sc (ISICPMS)	45	H2	3726794.81	0.7	106.9	60	125	
Sc (ISICPMS)	45	He	138808.45	2.6	108.1	60	125	
Ge (IS)	74	H2	717609.65	0.9	106.8	60	125	
Ge (IS)	74	He	73925.27	0.9	113.2	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	173832.88	1.1	108.5	60	125	
Tb (IS)	159	He	999266.70	1.0	107.0	60	125	
Bi (IS)	209	He	836772.08	0.8	104.9	60	125	

Sample Report

File Name 040SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 15:57:49

Sample Name **460-299841-h-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	81.1	2000	
B	11	6	No Gas	19.427	ug/l	0.5	2000	
Na	23	45	He	84406.771	ug/l	0.4	500000	
Mg	24	45	He	1217.456	ug/l	0.7	500000	
Al	27	45	He	67.458	ug/l	3.0	500000	
K	39	45	He	2184.341	ug/l	3.8	500000	
Ca	40	45	H2	2835.711	ug/l	0.8	1000000	
Ti	47	45	No Gas	2.822	ug/l	9.4	10000	
V	51	45	He	1.385	ug/l	6.5	5000	
Cr	52	45	He	1.804	ug/l	13.3	20000	
Mn	55	45	He	3.688	ug/l	2.8	20000	
Fe	56	45	H2	113.938	ug/l	1.3	500000	
Co	59	45	He	0.069	ug/l	5.6	2000	
Ni	60	45	He	3.189	ug/l	6.9	20000	
Cu	63	45	He	28.152	ug/l	1.2	20000	
Zn	66	45	He	32.644	ug/l	1.5	20000	
As	75	45	He	0.316	ug/l	55.1	5000	
Se	78	45	H2	0.313	ug/l	23.1	3000	
Sr	88	115	He	14.779	ug/l	2.5	5000	
Mo	95	115	He	0.289	ug/l	11.0	2000	
Ag	107	115	He	0.194	ug/l	7.3	1000	
Cd	111	115	He	0.017	ug/l	114.2	5000	
Sn	118	115	He	1.268	ug/l	3.8	2000	
Sb	121	115	He	0.791	ug/l	13.7	1000	
Ba	137	159	He	7.299	ug/l	5.9	20000	
Tl	205	209	He	-0.104	ug/l	N/A	1000	
[Pb]	206	209	He	1.094	ug/l	10.8		
[Pb]	207	209	He	1.105	ug/l	4.2		
Pb	208	209	He	1.113	ug/l	3.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11742704.27	0.6	100.8	60	125	
Sc (ISICPMS)	45	No Gas	10357856.30	0.7	102.5	60	125	
Sc (ISICPMS)	45	H2	3624739.67	1.2	104.0	60	125	
Sc (ISICPMS)	45	He	133718.02	1.1	104.2	60	125	
Ge (IS)	74	H2	735464.88	0.5	109.5	60	125	
Ge (IS)	74	He	74597.77	2.1	114.2	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	169443.04	2.1	105.8	60	125	
Tb (IS)	159	He	972486.87	0.9	104.1	60	125	
Bi (IS)	209	He	824394.95	1.1	103.4	60	125	

Sample Report

File Name 041SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:00:12

Sample Name **460-299869-c-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.044	ug/l	5.8	2000	
B	11	6	No Gas	12.372	ug/l	1.8	2000	
Na	23	45	He	5860.793	ug/l	0.6	500000	
Mg	24	45	He	1042.429	ug/l	0.6	500000	
Al	27	45	He	7.740	ug/l	8.1	500000	
K	39	45	He	2725.404	ug/l	4.4	500000	
Ca	40	45	H2	2430.859	ug/l	3.1	1000000	
Ti	47	45	No Gas	1.137	ug/l	48.1	10000	
V	51	45	He	1.371	ug/l	3.3	5000	
Cr	52	45	He	-0.524	ug/l	N/A	20000	
Mn	55	45	He	3.532	ug/l	0.9	20000	
Fe	56	45	H2	68.227	ug/l	3.0	500000	
Co	59	45	He	0.021	ug/l	49.4	2000	
Ni	60	45	He	1.925	ug/l	10.4	20000	
Cu	63	45	He	9.279	ug/l	2.5	20000	
Zn	66	45	He	29.712	ug/l	1.3	20000	
As	75	45	He	0.209	ug/l	12.7	5000	
Se	78	45	H2	0.246	ug/l	19.5	3000	
Sr	88	115	He	33.478	ug/l	0.8	5000	
Mo	95	115	He	0.127	ug/l	11.6	2000	
Ag	107	115	He	0.095	ug/l	26.7	1000	
Cd	111	115	He	0.033	ug/l	56.4	5000	
Sn	118	115	He	0.272	ug/l	106.9	2000	
Sb	121	115	He	0.069	ug/l	13.9	1000	
Ba	137	159	He	9.461	ug/l	4.6	20000	
Tl	205	209	He	-0.134	ug/l	N/A	1000	
[Pb]	206	209	He	0.212	ug/l	2.6		
[Pb]	207	209	He	0.210	ug/l	2.6		
Pb	208	209	He	0.215	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11959321.07	0.2	102.7	60	125	
Sc (ISICPMS)	45	No Gas	10328495.82	1.2	102.2	60	125	
Sc (ISICPMS)	45	H2	3605793.31	1.2	103.4	60	125	
Sc (ISICPMS)	45	He	133478.23	2.1	104.0	60	125	
Ge (IS)	74	H2	729637.35	0.8	108.6	60	125	
Ge (IS)	74	He	73827.89	2.6	113.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	169397.62	2.3	105.8	60	125	
Tb (IS)	159	He	962789.11	1.3	103.1	60	125	
Bi (IS)	209	He	829973.12	2.0	104.1	60	125	

Sample Report

File Name 042SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:02:36

Sample Name **460-300243-f-1-a**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	180.5	2000	
B	11	6	No Gas	103.964	ug/l	1.8	2000	
Na	23	45	He	312944.629	ug/l	1.0	500000	
Mg	24	45	He	14951.441	ug/l	0.5	500000	
Al	27	45	He	25.258	ug/l	12.6	500000	
K	39	45	He	4195.139	ug/l	1.5	500000	
Ca	40	45	H2	220218.394	ug/l	1.3	1000000	
Ti	47	45	No Gas	0.284	ug/l	33.9	10000	
V	51	45	He	0.617	ug/l	21.8	5000	
Cr	52	45	He	-1.686	ug/l	N/A	20000	
Mn	55	45	He	7421.778	ug/l	0.5	20000	
Fe	56	45	H2	13.381	ug/l	2.2	500000	
Co	59	45	He	0.525	ug/l	2.1	2000	
Ni	60	45	He	1.059	ug/l	11.3	20000	
Cu	63	45	He	4.221	ug/l	1.6	20000	
Zn	66	45	He	22.027	ug/l	2.4	20000	
As	75	45	He	0.702	ug/l	25.2	5000	
Se	78	45	H2	0.213	ug/l	75.3	3000	
Sr	88	115	He	407.388	ug/l	0.8	5000	
Mo	95	115	He	0.588	ug/l	13.6	2000	
Ag	107	115	He	0.030	ug/l	22.6	1000	
Cd	111	115	He	0.004	ug/l	173.2	5000	
Sn	118	115	He	0.998	ug/l	4.0	2000	
Sb	121	115	He	0.107	ug/l	20.3	1000	
Ba	137	159	He	1205.962	ug/l	1.0	20000	
Tl	205	209	He	-0.123	ug/l	N/A	1000	
[Pb]	206	209	He	1.658	ug/l	2.5		
[Pb]	207	209	He	1.527	ug/l	6.0		
Pb	208	209	He	1.549	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11370189.41	1.6	97.6	60	125	
Sc (ISICPMS)	45	No Gas	10209361.93	0.7	101.0	60	125	
Sc (ISICPMS)	45	H2	3622137.24	1.0	103.9	60	125	
Sc (ISICPMS)	45	He	132481.47	1.7	103.2	60	125	
Ge (IS)	74	H2	719093.65	1.2	107.1	60	125	
Ge (IS)	74	He	72796.81	1.6	111.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	165542.22	2.4	103.4	60	125	
Tb (IS)	159	He	966882.13	1.7	103.5	60	125	
Bi (IS)	209	He	798438.15	1.2	100.1	60	125	

Sample Report

File Name 043SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:05:00

Sample Name **460-300254-b-1-a**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	29.5	2000	
B	11	6	No Gas	14.325	ug/l	1.1	2000	
Na	23	45	He	822.901	ug/l	0.5	500000	
Mg	24	45	He	174.089	ug/l	0.8	500000	
Al	27	45	He	51.733	ug/l	5.5	500000	
K	39	45	He	256.687	ug/l	37.7	500000	
Ca	40	45	H2	920.650	ug/l	2.1	1000000	
Ti	47	45	No Gas	-0.407	ug/l	N/A	10000	
V	51	45	He	0.436	ug/l	10.3	5000	
Cr	52	45	He	-0.450	ug/l	N/A	20000	
Mn	55	45	He	27.047	ug/l	2.6	20000	
Fe	56	45	H2	615.289	ug/l	1.0	500000	
Co	59	45	He	0.265	ug/l	5.8	2000	
Ni	60	45	He	3.615	ug/l	4.8	20000	
Cu	63	45	He	31.222	ug/l	0.9	20000	
Zn	66	45	He	76.135	ug/l	0.5	20000	
As	75	45	He	0.111	ug/l	87.7	5000	
Se	78	45	H2	0.392	ug/l	7.7	3000	
Sr	88	115	He	17.100	ug/l	1.8	5000	
Mo	95	115	He	1.027	ug/l	9.3	2000	
Ag	107	115	He	0.012	ug/l	17.1	1000	
Cd	111	115	He	0.062	ug/l	54.8	5000	
Sn	118	115	He	-0.035	ug/l	N/A	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	12.840	ug/l	2.3	20000	
Tl	205	209	He	-0.124	ug/l	N/A	1000	
[Pb]	206	209	He	4.098	ug/l	3.4		
[Pb]	207	209	He	4.066	ug/l	0.8		
Pb	208	209	He	4.070	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11965708.99	0.1	102.7	60	125	
Sc (ISICPMS)	45	No Gas	10493929.43	0.5	103.9	60	125	
Sc (ISICPMS)	45	H2	3651183.56	0.8	104.7	60	125	
Sc (ISICPMS)	45	He	134579.66	0.7	104.8	60	125	
Ge (IS)	74	H2	719639.31	0.7	107.1	60	125	
Ge (IS)	74	He	72887.33	3.2	111.6	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	174054.02	1.9	108.7	60	125	
Tb (IS)	159	He	988327.24	0.9	105.8	60	125	
Bi (IS)	209	He	862236.38	0.4	108.1	60	125	

Sample Report

File Name 044SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:07:24

Sample Name **460-300254-b-2-a**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.203	ug/l	1.5	2000	
B	11	6	No Gas	10.764	ug/l	0.7	2000	
Na	23	45	He	3703.016	ug/l	2.0	500000	
Mg	24	45	He	794.170	ug/l	0.9	500000	
Al	27	45	He	295.668	ug/l	1.1	500000	
K	39	45	He	802.609	ug/l	10.9	500000	
Ca	40	45	H2	3529.164	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.431	ug/l	3.0	10000	
V	51	45	He	0.856	ug/l	3.0	5000	
Cr	52	45	He	1.450	ug/l	10.1	20000	
Mn	55	45	He	19.945	ug/l	0.9	20000	
Fe	56	45	H2	212.062	ug/l	0.6	500000	
Co	59	45	He	2.486	ug/l	1.6	2000	
Ni	60	45	He	4.072	ug/l	9.3	20000	
Cu	63	45	He	4.103	ug/l	2.9	20000	
Zn	66	45	He	48.292	ug/l	1.2	20000	
As	75	45	He	0.070	ug/l	51.3	5000	
Se	78	45	H2	0.049	ug/l	104.5	3000	
Sr	88	115	He	211.326	ug/l	1.3	5000	
Mo	95	115	He	0.379	ug/l	19.7	2000	
Ag	107	115	He	0.026	ug/l	30.5	1000	
Cd	111	115	He	0.085	ug/l	34.7	5000	
Sn	118	115	He	-0.179	ug/l	N/A	2000	
Sb	121	115	He	0.309	ug/l	14.4	1000	
Ba	137	159	He	65.613	ug/l	1.8	20000	
Tl	205	209	He	-0.136	ug/l	N/A	1000	
[Pb]	206	209	He	0.918	ug/l	3.8		
[Pb]	207	209	He	0.938	ug/l	3.1		
Pb	208	209	He	0.914	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12140496.49	0.5	104.2	60	125	
Sc (ISICPMS)	45	No Gas	10301672.00	0.3	102.0	60	125	
Sc (ISICPMS)	45	H2	3598254.01	0.7	103.2	60	125	
Sc (ISICPMS)	45	He	133255.76	1.8	103.8	60	125	
Ge (IS)	74	H2	723815.86	0.4	107.8	60	125	
Ge (IS)	74	He	73183.55	1.1	112.0	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	167399.81	1.0	104.5	60	125	
Tb (IS)	159	He	970820.01	1.0	103.9	60	125	
Bi (IS)	209	He	841512.60	1.0	105.5	60	125	

Sample Report

File Name 045SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:09:47

Sample Name **460-300254-b-3-a**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.032	ug/l	7.2	2000	
B	11	6	No Gas	19.824	ug/l	1.9	2000	
Na	23	45	He	8319.087	ug/l	1.2	500000	
Mg	24	45	He	1366.159	ug/l	0.9	500000	
Al	27	45	He	342.172	ug/l	1.6	500000	
K	39	45	He	901.033	ug/l	12.7	500000	
Ca	40	45	H2	2344.840	ug/l	2.3	1000000	
Ti	47	45	No Gas	-0.358	ug/l	N/A	10000	
V	51	45	He	0.889	ug/l	2.3	5000	
Cr	52	45	He	-1.193	ug/l	N/A	20000	
Mn	55	45	He	64.719	ug/l	1.0	20000	
Fe	56	45	H2	16.096	ug/l	8.1	500000	
Co	59	45	He	1.885	ug/l	2.0	2000	
Ni	60	45	He	2.218	ug/l	4.7	20000	
Cu	63	45	He	1.494	ug/l	2.4	20000	
Zn	66	45	He	16.162	ug/l	1.0	20000	
As	75	45	He	0.269	ug/l	33.9	5000	
Se	78	45	H2	0.411	ug/l	30.9	3000	
Sr	88	115	He	31.904	ug/l	0.8	5000	
Mo	95	115	He	617.123	ug/l	1.4	2000	
Ag	107	115	He	0.007	ug/l	92.1	1000	
Cd	111	115	He	0.259	ug/l	36.4	5000	
Sn	118	115	He	-0.102	ug/l	N/A	2000	
Sb	121	115	He	0.009	ug/l	456.3	1000	
Ba	137	159	He	34.017	ug/l	4.5	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	0.388	ug/l	2.3		
[Pb]	207	209	He	0.400	ug/l	14.3		
Pb	208	209	He	0.376	ug/l	5.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	12058384.13	2.3	103.5	60	125	
Sc (ISICPMS)	45	No Gas	10265720.40	0.6	101.6	60	125	
Sc (ISICPMS)	45	H2	3558904.81	0.9	102.1	60	125	
Sc (ISICPMS)	45	He	131207.32	2.4	102.2	60	125	
Ge (IS)	74	H2	707738.88	0.4	105.4	60	125	
Ge (IS)	74	He	70907.13	1.6	108.5	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	167566.78	1.1	104.6	60	125	
Tb (IS)	159	He	965465.90	1.5	103.4	60	125	
Bi (IS)	209	He	838571.01	0.7	105.2	60	125	

Continuing Calibration Verification (CCV)

File Name 046_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:12:12

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.195	ug/l	1.5	100	90	110	
B	11	6	No Gas	246.984	ug/l	0.5	250	225	275	
Na	23	45	He	25051.005	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	24891.667	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25088.252	ug/l	0.9	25000	22500	27500	
K	39	45	He	24943.754	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24591.828	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	98.574	ug/l	1.7	100	90	110	
V	51	45	He	98.496	ug/l	2.1	100	90	110	
Cr	52	45	He	99.054	ug/l	1.2	100	90	110	
Mn	55	45	He	98.504	ug/l	1.3	100	90	110	
Fe	56	45	H2	24544.412	ug/l	0.7	25000	22500	27500	
Co	59	45	He	99.937	ug/l	1.3	100	90	110	
Ni	60	45	He	99.657	ug/l	2.1	100	90	110	
Cu	63	45	He	98.248	ug/l	1.4	100	90	110	
Zn	66	45	He	248.933	ug/l	0.3	250	225	275	
As	75	45	He	95.419	ug/l	1.8	100	90	110	
Se	78	45	H2	97.194	ug/l	1.8	100	90	110	
Sr	88	115	He	98.233	ug/l	1.6	100	90	110	
Mo	95	115	He	99.878	ug/l	0.1	100	90	110	
Ag	107	115	He	49.469	ug/l	0.9	50	45	55	
Cd	111	115	He	98.897	ug/l	1.7	100	90	110	
Sn	118	115	He	100.415	ug/l	1.5	100	90	110	
Sb	121	115	He	100.141	ug/l	1.2	100	90	110	
Ba	137	159	He	98.536	ug/l	1.3	100	90	110	
Tl	205	209	He	100.145	ug/l	0.6	100	90	110	
[Pb]	206	209	He	98.518	ug/l	0.2				
[Pb]	207	209	He	99.195	ug/l	0.3				
Pb	208	209	He	99.029	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11504882.47	1.2	98.8	60	125	
Sc (ISICPMS)	45	No Gas	9872119.16	1.0	97.7	60	125	
Sc (ISICPMS)	45	H2	3445231.23	1.2	98.8	60	125	
Sc (ISICPMS)	45	He	127008.02	0.8	98.9	60	125	
Ge (IS)	74	H2	685824.46	1.1	102.1	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68721.30	2.5	105.2	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	160595.97	1.2	100.3	60	125	
Tb (IS)	159	He	946164.72	1.4	101.3	60	125	
Bi (IS)	209	He	792569.10	1.5	99.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 047_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:14:35

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.003	ug/l	15.2	0.8	-0.8	0.8	
B	11	6	No Gas	5.878	ug/l	1.0	40	-40	40	
Na	23	45	He	61.755	ug/l	5.9	500	-500	500	
Mg	24	45	He	2.558	ug/l	5.0	200	-200	200	
Al	27	45	He	-0.244	ug/l	N/A	40	-40	40	
K	39	45	He	67.528	ug/l	128.1	200	-200	200	
Ca	40	45	H2	4.568	ug/l	26.8	500	-500	500	
Ti	47	45	No Gas	0.271	ug/l	51.2	4	-4	4	
V	51	45	He	0.187	ug/l	41.7	4	-4	4	
Cr	52	45	He	-0.097	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.120	ug/l	22.9	8	-8	8	
Fe	56	45	H2	1.747	ug/l	21.2	60	-60	60	
Co	59	45	He	-0.005	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.063	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.281	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.542	ug/l	57.0	16	-16	16	
As	75	45	He	0.113	ug/l	66.2	2	-2	2	
Se	78	45	H2	0.214	ug/l	39.1	2.5	-2.5	2.5	
Sr	88	115	He	0.025	ug/l	16.3	4	-4	4	
Mo	95	115	He	0.791	ug/l	3.8	4	-4	4	
Ag	107	115	He	0.052	ug/l	48.1	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.067	ug/l	220.2	16	-16	16	
Sb	121	115	He	0.026	ug/l	180.0	2	-2	2	
Ba	137	159	He	0.049	ug/l	183.7	4	-4	4	
Tl	205	209	He	-0.131	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.044	ug/l	88.2				
[Pb]	207	209	He	0.074	ug/l	17.7				
Pb	208	209	He	0.054	ug/l	30.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11473728.02	0.9	98.5	60	125	
Sc (ISICPMS)	45	No Gas	9967404.78	0.5	98.6	60	125	
Sc (ISICPMS)	45	H2	3442863.49	1.6	98.7	60	125	
Sc (ISICPMS)	45	He	128038.93	1.8	99.7	60	125	
Ge (IS)	74	H2	670730.15	1.8	99.9	60	125	
Ge (IS)	74	He	67853.33	1.7	103.9	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	163575.38	2.3	102.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	949961.77	1.4	101.7	60	125	
Bi (IS)	209	He	817148.45	1.2	102.5	60	125	

Sample Report

File Name 048SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:17:00

Sample Name **460-300254-b-4-a**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.061	ug/l	19.1	2000	
B	11	6	No Gas	17.037	ug/l	0.2	2000	
Na	23	45	He	7832.151	ug/l	1.0	500000	
Mg	24	45	He	667.402	ug/l	2.0	500000	
Al	27	45	He	58.651	ug/l	13.1	500000	
K	39	45	He	1299.809	ug/l	6.8	500000	
Ca	40	45	H2	1964.110	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.056	ug/l	167.4	10000	
V	51	45	He	0.126	ug/l	72.9	5000	
Cr	52	45	He	-1.127	ug/l	N/A	20000	
Mn	55	45	He	21.068	ug/l	1.3	20000	
Fe	56	45	H2	11.750	ug/l	5.9	500000	
Co	59	45	He	0.875	ug/l	6.4	2000	
Ni	60	45	He	0.701	ug/l	7.7	20000	
Cu	63	45	He	7.848	ug/l	1.0	20000	
Zn	66	45	He	22.038	ug/l	3.4	20000	
As	75	45	He	0.110	ug/l	141.1	5000	
Se	78	45	H2	0.337	ug/l	17.5	3000	
Sr	88	115	He	19.864	ug/l	2.3	5000	
Mo	95	115	He	24.116	ug/l	1.2	2000	
Ag	107	115	He	0.003	ug/l	243.2	1000	
Cd	111	115	He	0.021	ug/l	33.1	5000	
Sn	118	115	He	-0.030	ug/l	N/A	2000	
Sb	121	115	He	0.018	ug/l	116.1	1000	
Ba	137	159	He	26.180	ug/l	4.4	20000	
Tl	205	209	He	-0.123	ug/l	N/A	1000	
[Pb]	206	209	He	0.875	ug/l	0.8		
[Pb]	207	209	He	0.902	ug/l	7.7		
Pb	208	209	He	0.891	ug/l	3.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11848000.38	1.2	101.7	60	125	
Sc (ISICPMS)	45	No Gas	10074101.52	0.6	99.7	60	125	
Sc (ISICPMS)	45	H2	3518924.25	1.2	100.9	60	125	
Sc (ISICPMS)	45	He	129104.52	1.4	100.6	60	125	
Ge (IS)	74	H2	713656.65	1.2	106.2	60	125	
Ge (IS)	74	He	71515.61	1.7	109.5	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	166573.39	2.2	104.0	60	125	
Tb (IS)	159	He	959955.60	1.1	102.8	60	125	
Bi (IS)	209	He	824674.82	0.6	103.4	60	125	

Sample Report

File Name 049SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:19:23

Sample Name **460-300254-a-5-a**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	214.5	2000	
B	11	6	No Gas	4.649	ug/l	1.1	2000	
Na	23	45	He	511.676	ug/l	1.8	500000	
Mg	24	45	He	15.445	ug/l	0.7	500000	
Al	27	45	He	18.024	ug/l	4.9	500000	
K	39	45	He	58.937	ug/l	100.3	500000	
Ca	40	45	H2	52.053	ug/l	3.6	1000000	
Ti	47	45	No Gas	0.376	ug/l	169.6	10000	
V	51	45	He	0.117	ug/l	48.8	5000	
Cr	52	45	He	-1.096	ug/l	N/A	20000	
Mn	55	45	He	0.692	ug/l	7.6	20000	
Fe	56	45	H2	26.719	ug/l	4.9	500000	
Co	59	45	He	0.003	ug/l	161.2	2000	
Ni	60	45	He	0.351	ug/l	13.0	20000	
Cu	63	45	He	6.400	ug/l	1.1	20000	
Zn	66	45	He	9.652	ug/l	13.8	20000	
As	75	45	He	0.111	ug/l	46.9	5000	
Se	78	45	H2	0.106	ug/l	28.1	3000	
Sr	88	115	He	0.263	ug/l	13.8	5000	
Mo	95	115	He	1.700	ug/l	7.1	2000	
Ag	107	115	He	0.014	ug/l	38.3	1000	
Cd	111	115	He	0.026	ug/l	132.6	5000	
Sn	118	115	He	-0.068	ug/l	N/A	2000	
Sb	121	115	He	0.005	ug/l	413.5	1000	
Ba	137	159	He	3.499	ug/l	5.4	20000	
Tl	205	209	He	-0.151	ug/l	N/A	1000	
[Pb]	206	209	He	0.312	ug/l	11.5		
[Pb]	207	209	He	0.277	ug/l	13.9		
Pb	208	209	He	0.308	ug/l	12.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11714324.13	0.9	100.5	60	125	
Sc (ISICPMS)	45	No Gas	10062992.14	0.8	99.6	60	125	
Sc (ISICPMS)	45	H2	3469855.99	0.6	99.5	60	125	
Sc (ISICPMS)	45	He	129164.81	1.3	100.6	60	125	
Ge (IS)	74	H2	658945.59	0.2	98.1	60	125	
Ge (IS)	74	He	66846.46	1.4	102.3	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	165215.01	1.8	103.2	60	125	
Tb (IS)	159	He	951389.41	0.7	101.9	60	125	
Bi (IS)	209	He	827365.89	1.5	103.8	60	125	

Sample Report

File Name 050SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:21:48

Sample Name **460-300254-b-6-a**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	25.2	2000	
B	11	6	No Gas	16.476	ug/l	0.9	2000	
Na	23	45	He	9057.720	ug/l	1.2	500000	
Mg	24	45	He	147.517	ug/l	1.8	500000	
Al	27	45	He	108.254	ug/l	3.2	500000	
K	39	45	He	661.881	ug/l	2.9	500000	
Ca	40	45	H2	443.165	ug/l	0.8	1000000	
Ti	47	45	No Gas	0.251	ug/l	253.1	10000	
V	51	45	He	0.182	ug/l	25.0	5000	
Cr	52	45	He	-0.864	ug/l	N/A	20000	
Mn	55	45	He	4.702	ug/l	4.4	20000	
Fe	56	45	H2	184.830	ug/l	1.8	500000	
Co	59	45	He	0.065	ug/l	13.2	2000	
Ni	60	45	He	1.017	ug/l	13.6	20000	
Cu	63	45	He	1.518	ug/l	2.6	20000	
Zn	66	45	He	18.652	ug/l	3.1	20000	
As	75	45	He	0.382	ug/l	37.3	5000	
Se	78	45	H2	0.238	ug/l	8.8	3000	
Sr	88	115	He	29.434	ug/l	0.7	5000	
Mo	95	115	He	34.418	ug/l	1.9	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.025	ug/l	49.8	5000	
Sn	118	115	He	-0.245	ug/l	N/A	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	5.137	ug/l	5.7	20000	
Tl	205	209	He	-0.152	ug/l	N/A	1000	
[Pb]	206	209	He	0.944	ug/l	4.0		
[Pb]	207	209	He	0.956	ug/l	2.6		
Pb	208	209	He	0.942	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11738371.63	0.6	100.8	60	125	
Sc (ISICPMS)	45	No Gas	9998900.55	1.5	99.0	60	125	
Sc (ISICPMS)	45	H2	3463503.28	0.6	99.3	60	125	
Sc (ISICPMS)	45	He	130583.30	0.7	101.7	60	125	
Ge (IS)	74	H2	695340.17	1.3	103.5	60	125	
Ge (IS)	74	He	72161.04	1.0	110.5	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	168386.10	0.6	105.1	60	125	
Tb (IS)	159	He	969073.01	0.4	103.7	60	125	
Bi (IS)	209	He	835778.75	0.2	104.8	60	125	

Sample Report

File Name 051SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:24:11

Sample Name **460-299872-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	67.196	ug/l	0.7	2000	
Na	23	45	He	31524.147	ug/l	0.7	500000	
Mg	24	45	He	929.347	ug/l	0.8	500000	
Al	27	45	He	154.408	ug/l	3.3	500000	
K	39	45	He	17830.876	ug/l	0.7	500000	
Ca	40	45	H2	3069.194	ug/l	1.6	1000000	
Ti	47	45	No Gas	94.874	ug/l	1.9	10000	
V	51	45	He	2.596	ug/l	5.2	5000	
Cr	52	45	He	0.129	ug/l	127.5	20000	
Mn	55	45	He	5.429	ug/l	5.4	20000	
Fe	56	45	H2	338.429	ug/l	1.0	500000	
Co	59	45	He	0.121	ug/l	15.3	2000	
Ni	60	45	He	2.176	ug/l	4.3	20000	
Cu	63	45	He	31.677	ug/l	0.5	20000	
Zn	66	45	He	6.902	ug/l	7.3	20000	
As	75	45	He	0.015	ug/l	245.4	5000	
Se	78	45	H2	0.036	ug/l	55.7	3000	
Sr	88	115	He	10.079	ug/l	3.4	5000	
Mo	95	115	He	1.085	ug/l	4.8	2000	
Ag	107	115	He	1.270	ug/l	3.9	1000	
Cd	111	115	He	0.058	ug/l	81.1	5000	
Sn	118	115	He	0.943	ug/l	16.2	2000	
Sb	121	115	He	0.302	ug/l	11.9	1000	
Ba	137	159	He	2.557	ug/l	15.5	20000	
Tl	205	209	He	-0.160	ug/l	N/A	1000	
[Pb]	206	209	He	0.188	ug/l	18.2		
[Pb]	207	209	He	0.195	ug/l	14.5		
Pb	208	209	He	0.181	ug/l	4.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11405516.50	0.6	97.9	60	125	
Sc (ISICPMS)	45	No Gas	9796681.73	0.9	97.0	60	125	
Sc (ISICPMS)	45	H2	3389104.22	0.6	97.2	60	125	
Sc (ISICPMS)	45	He	124861.32	1.5	97.3	60	125	
Ge (IS)	74	H2	695707.08	0.3	103.6	60	125	
Ge (IS)	74	He	70178.65	1.7	107.4	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158385.62	1.6	98.9	60	125	
Tb (IS)	159	He	928033.50	1.0	99.4	60	125	
Bi (IS)	209	He	794484.11	1.0	99.6	60	125	

Sample Report

File Name 052SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:26:35

Sample Name **460-299873-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	66.1	2000	
B	11	6	No Gas	14.015	ug/l	1.9	2000	
Na	23	45	He	99512.110	ug/l	0.8	500000	
Mg	24	45	He	1858.028	ug/l	1.7	500000	
Al	27	45	He	417.836	ug/l	0.4	500000	
K	39	45	He	27954.265	ug/l	0.4	500000	
Ca	40	45	H2	5816.268	ug/l	0.6	1000000	
Ti	47	45	No Gas	11.961	ug/l	1.6	10000	
V	51	45	He	9.409	ug/l	2.6	5000	
Cr	52	45	He	1.416	ug/l	8.6	20000	
Mn	55	45	He	18.152	ug/l	4.4	20000	
Fe	56	45	H2	810.587	ug/l	0.8	500000	
Co	59	45	He	0.339	ug/l	10.6	2000	
Ni	60	45	He	3.566	ug/l	3.9	20000	
Cu	63	45	He	92.534	ug/l	1.6	20000	
Zn	66	45	He	248.836	ug/l	1.6	20000	
As	75	45	He	0.260	ug/l	32.5	5000	
Se	78	45	H2	0.091	ug/l	57.4	3000	
Sr	88	115	He	20.209	ug/l	1.6	5000	
Mo	95	115	He	0.658	ug/l	6.5	2000	
Ag	107	115	He	0.041	ug/l	17.2	1000	
Cd	111	115	He	0.087	ug/l	53.9	5000	
Sn	118	115	He	64.269	ug/l	0.2	2000	
Sb	121	115	He	0.492	ug/l	4.9	1000	
Ba	137	159	He	12.589	ug/l	5.3	20000	
Tl	205	209	He	-0.162	ug/l	N/A	1000	
[Pb]	206	209	He	4.669	ug/l	0.9		
[Pb]	207	209	He	4.655	ug/l	4.8		
Pb	208	209	He	4.642	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11295934.42	0.3	97.0	60	125	
Sc (ISICPMS)	45	No Gas	9865835.34	0.7	97.6	60	125	
Sc (ISICPMS)	45	H2	3363985.99	0.8	96.5	60	125	
Sc (ISICPMS)	45	He	124575.36	2.8	97.0	60	125	
Ge (IS)	74	H2	687351.30	0.2	102.3	60	125	
Ge (IS)	74	He	70495.11	3.0	107.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156804.05	2.9	97.9	60	125	
Tb (IS)	159	He	923103.39	1.0	98.8	60	125	
Bi (IS)	209	He	783960.63	1.4	98.3	60	125	

Sample Report

File Name 053SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:28:58

Sample Name **460-299902-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.034	ug/l	4.5	2000	
B	11	6	No Gas	16.964	ug/l	1.0	2000	
Na	23	45	He	364700.967	ug/l	0.8	500000	
Mg	24	45	He	1149.118	ug/l	1.8	500000	
Al	27	45	He	138.172	ug/l	1.4	500000	
K	39	45	He	1650.031	ug/l	5.5	500000	
Ca	40	45	H2	5000.646	ug/l	2.5	1000000	
Ti	47	45	No Gas	5.972	ug/l	7.8	10000	
V	51	45	He	0.898	ug/l	16.2	5000	
Cr	52	45	He	26.939	ug/l	0.5	20000	
Mn	55	45	He	141.429	ug/l	0.1	20000	
Fe	56	45	H2	15895.669	ug/l	2.2	500000	
Co	59	45	He	1.224	ug/l	3.4	2000	
Ni	60	45	He	13.525	ug/l	5.1	20000	
Cu	63	45	He	23.326	ug/l	1.5	20000	
Zn	66	45	He	130.675	ug/l	1.4	20000	
As	75	45	He	0.436	ug/l	15.9	5000	
Se	78	45	H2	0.079	ug/l	91.9	3000	
Sr	88	115	He	49.923	ug/l	0.8	5000	
Mo	95	115	He	5.534	ug/l	1.9	2000	
Ag	107	115	He	0.034	ug/l	23.1	1000	
Cd	111	115	He	0.093	ug/l	39.0	5000	
Sn	118	115	He	3.778	ug/l	2.2	2000	
Sb	121	115	He	1.751	ug/l	3.9	1000	
Ba	137	159	He	16.329	ug/l	4.9	20000	
Tl	205	209	He	-0.161	ug/l	N/A	1000	
[Pb]	206	209	He	2.913	ug/l	1.3		
[Pb]	207	209	He	2.914	ug/l	3.3		
Pb	208	209	He	2.859	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11041580.53	0.7	94.8	60	125	
Sc (ISICPMS)	45	No Gas	9618337.22	0.4	95.2	60	125	
Sc (ISICPMS)	45	H2	3343210.40	1.1	95.9	60	125	
Sc (ISICPMS)	45	He	123356.32	1.6	96.1	60	125	
Ge (IS)	74	H2	676490.90	0.7	100.7	60	125	
Ge (IS)	74	He	68481.93	1.3	104.8	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153727.78	1.8	96.0	60	125	
Tb (IS)	159	He	922327.95	0.8	98.7	60	125	
Bi (IS)	209	He	765555.70	1.4	96.0	60	125	

Sample Report

File Name 054SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:31:21

Sample Name **460-299902-a-1-b ms@5**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.510	ug/l	1.9	2000	
B	11	6	No Gas	110.623	ug/l	0.7	2000	
Na	23	45	He	354019.938	ug/l	1.5	500000	
Mg	24	45	He	1599.324	ug/l	1.1	500000	
Al	27	45	He	623.688	ug/l	2.3	500000	
K	39	45	He	2071.823	ug/l	2.4	500000	
Ca	40	45	H2	5250.299	ug/l	0.7	1000000	
Ti	47	45	No Gas	15.769	ug/l	2.9	10000	
V	51	45	He	10.482	ug/l	3.8	5000	
Cr	52	45	He	35.837	ug/l	1.8	20000	
Mn	55	45	He	184.065	ug/l	2.3	20000	
Fe	56	45	H2	15766.844	ug/l	1.3	500000	
Co	59	45	He	5.937	ug/l	2.1	2000	
Ni	60	45	He	23.107	ug/l	1.4	20000	
Cu	63	45	He	31.884	ug/l	2.2	20000	
Zn	66	45	He	179.231	ug/l	2.4	20000	
As	75	45	He	10.499	ug/l	4.7	5000	
Se	78	45	H2	9.182	ug/l	5.3	3000	
Sr	88	115	He	57.899	ug/l	1.9	5000	
Mo	95	115	He	14.506	ug/l	4.2	2000	
Ag	107	115	He	4.634	ug/l	1.3	1000	
Cd	111	115	He	4.928	ug/l	8.2	5000	
Sn	118	115	He	13.473	ug/l	3.9	2000	
Sb	121	115	He	6.851	ug/l	4.4	1000	
Ba	137	159	He	25.022	ug/l	1.7	20000	
Tl	205	209	He	3.585	ug/l	2.2	1000	
[Pb]	206	209	He	7.526	ug/l	2.4		
[Pb]	207	209	He	7.462	ug/l	1.4		
Pb	208	209	He	7.492	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11083293.03	0.3	95.1	60	125	
Sc (ISICPMS)	45	No Gas	9551775.14	0.7	94.5	60	125	
Sc (ISICPMS)	45	H2	3377418.74	1.2	96.9	60	125	
Sc (ISICPMS)	45	He	122533.43	0.7	95.4	60	125	
Ge (IS)	74	H2	676161.23	1.5	100.7	60	125	
Ge (IS)	74	He	68468.96	1.5	104.8	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154309.21	1.3	96.4	60	125	
Tb (IS)	159	He	919432.18	1.8	98.4	60	125	
Bi (IS)	209	He	764118.24	1.6	95.8	60	125	

Sample Report

File Name 055SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:33:44

Sample Name **mb 460-965212/1-a**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	2.831	ug/l	3.4	2000	
Na	23	45	He	70.307	ug/l	10.2	500000	
Mg	24	45	He	0.709	ug/l	135.6	500000	
Al	27	45	He	-0.918	ug/l	N/A	500000	
K	39	45	He	74.762	ug/l	117.6	500000	
Ca	40	45	H2	1.983	ug/l	13.0	1000000	
Ti	47	45	No Gas	0.067	ug/l	430.0	10000	
V	51	45	He	0.084	ug/l	26.0	5000	
Cr	52	45	He	-0.143	ug/l	N/A	20000	
Mn	55	45	He	0.079	ug/l	84.7	20000	
Fe	56	45	H2	1.021	ug/l	35.3	500000	
Co	59	45	He	-0.017	ug/l	N/A	2000	
Ni	60	45	He	-0.050	ug/l	N/A	20000	
Cu	63	45	He	-0.374	ug/l	N/A	20000	
Zn	66	45	He	0.490	ug/l	60.1	20000	
As	75	45	He	0.051	ug/l	103.6	5000	
Se	78	45	H2	0.077	ug/l	26.1	3000	
Sr	88	115	He	-0.029	ug/l	N/A	5000	
Mo	95	115	He	0.148	ug/l	53.8	2000	
Ag	107	115	He	0.002	ug/l	304.6	1000	
Cd	111	115	He	0.018	ug/l	46.2	5000	
Sn	118	115	He	0.039	ug/l	16.9	2000	
Sb	121	115	He	-0.027	ug/l	N/A	1000	
Ba	137	159	He	-0.028	ug/l	N/A	20000	
Tl	205	209	He	-0.162	ug/l	N/A	1000	
[Pb]	206	209	He	0.035	ug/l	18.3		
[Pb]	207	209	He	0.035	ug/l	45.1		
Pb	208	209	He	0.032	ug/l	22.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11304349.14	1.0	97.0	60	125	
Sc (ISICPMS)	45	No Gas	9722899.23	0.5	96.2	60	125	
Sc (ISICPMS)	45	H2	3368073.60	0.2	96.6	60	125	
Sc (ISICPMS)	45	He	124344.05	1.5	96.9	60	125	
Ge (IS)	74	H2	657481.99	0.2	97.9	60	125	
Ge (IS)	74	He	66036.55	2.3	101.1	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162332.19	2.5	101.4	60	125	
Tb (IS)	159	He	944801.02	0.9	101.1	60	125	
Bi (IS)	209	He	811942.39	1.1	101.8	60	125	

Sample Report

File Name 056SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:36:09

Sample Name **lcs 460-965212/2-a**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.839	ug/l	1.8	2000	
B	11	6	No Gas	465.385	ug/l	2.0	2000	
Na	23	45	He	2503.464	ug/l	1.7	500000	
Mg	24	45	He	2472.309	ug/l	0.8	500000	
Al	27	45	He	2478.368	ug/l	1.3	500000	
K	39	45	He	2526.166	ug/l	4.2	500000	
Ca	40	45	H2	2450.862	ug/l	1.9	1000000	
Ti	47	45	No Gas	46.384	ug/l	1.5	10000	
V	51	45	He	47.640	ug/l	1.2	5000	
Cr	52	45	He	46.517	ug/l	0.6	20000	
Mn	55	45	He	238.981	ug/l	0.1	20000	
Fe	56	45	H2	2432.582	ug/l	1.6	500000	
Co	59	45	He	24.333	ug/l	2.0	2000	
Ni	60	45	He	48.727	ug/l	1.9	20000	
Cu	63	45	He	48.018	ug/l	1.0	20000	
Zn	66	45	He	247.758	ug/l	0.6	20000	
As	75	45	He	46.293	ug/l	2.6	5000	
Se	78	45	H2	46.101	ug/l	2.1	3000	
Sr	88	115	He	45.790	ug/l	1.8	5000	
Mo	95	115	He	44.873	ug/l	1.1	2000	
Ag	107	115	He	24.129	ug/l	0.7	1000	
Cd	111	115	He	23.897	ug/l	1.0	5000	
Sn	118	115	He	47.189	ug/l	1.4	2000	
Sb	121	115	He	24.681	ug/l	2.4	1000	
Ba	137	159	He	46.943	ug/l	3.2	20000	
Tl	205	209	He	18.695	ug/l	0.6	1000	
[Pb]	206	209	He	23.724	ug/l	1.5		
[Pb]	207	209	He	23.489	ug/l	0.9		
Pb	208	209	He	23.600	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11485532.05	1.1	98.6	60	125	
Sc (ISICPMS)	45	No Gas	9998838.88	1.4	99.0	60	125	
Sc (ISICPMS)	45	H2	3495284.46	0.9	100.2	60	125	
Sc (ISICPMS)	45	He	127376.27	1.7	99.2	60	125	
Ge (IS)	74	H2	668673.66	0.8	99.5	60	125	
Ge (IS)	74	He	67261.77	2.4	103.0	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	163184.86	1.6	101.9	60	125	
Tb (IS)	159	He	960677.29	0.8	102.8	60	125	
Bi (IS)	209	He	825991.21	0.9	103.6	60	125	

Sample Report

File Name 057SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:38:32

Sample Name **PDS 460-300171-e-1-a**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.488	ug/l	0.8	2000	
B	11	6	No Gas	489.884	ug/l	0.7	2000	
Na	23	45	He	191078.227	ug/l	1.4	500000	
Mg	24	45	He	6729.195	ug/l	2.0	500000	
Al	27	45	He	2520.837	ug/l	0.6	500000	
K	39	45	He	5919.706	ug/l	1.9	500000	
Ca	40	45	H2	36658.996	ug/l	1.3	1000000	
Ti	47	45	No Gas	48.723	ug/l	1.0	10000	
V	51	45	He	48.732	ug/l	1.1	5000	
Cr	52	45	He	46.613	ug/l	0.4	20000	
Mn	55	45	He	240.504	ug/l	0.2	20000	
Fe	56	45	H2	2427.974	ug/l	1.5	500000	
Co	59	45	He	24.710	ug/l	0.7	2000	
Ni	60	45	He	49.954	ug/l	2.1	20000	
Cu	63	45	He	48.155	ug/l	0.6	20000	
Zn	66	45	He	252.512	ug/l	0.2	20000	
As	75	45	He	49.272	ug/l	3.5	5000	
Se	78	45	H2	46.614	ug/l	2.3	3000	
Sr	88	115	He	195.639	ug/l	0.9	5000	
Mo	95	115	He	47.538	ug/l	1.5	2000	
Ag	107	115	He	24.230	ug/l	1.0	1000	
Cd	111	115	He	24.908	ug/l	3.9	5000	
Sn	118	115	He	50.014	ug/l	0.8	2000	
Sb	121	115	He	23.665	ug/l	2.4	1000	
Ba	137	159	He	78.079	ug/l	1.4	20000	
Tl	205	209	He	19.667	ug/l	0.3	1000	
[Pb]	206	209	He	24.302	ug/l	0.5		
[Pb]	207	209	He	24.161	ug/l	0.5		
Pb	208	209	He	24.372	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11182902.33	0.9	96.0	60	125	
Sc (ISICPMS)	45	No Gas	9766228.19	0.9	96.7	60	125	
Sc (ISICPMS)	45	H2	3458022.97	1.1	99.2	60	125	
Sc (ISICPMS)	45	He	126919.48	1.7	98.9	60	125	
Ge (IS)	74	H2	687305.33	1.3	102.3	60	125	
Ge (IS)	74	He	69962.93	1.8	107.1	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159157.19	1.6	99.4	60	125	
Tb (IS)	159	He	942042.26	1.0	100.9	60	125	
Bi (IS)	209	He	786620.13	1.0	98.6	60	125	

Continuing Calibration Verification (CCV)

File Name 058_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:40:56

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.673	ug/l	1.0	100	90	110	
B	11	6	No Gas	249.431	ug/l	0.9	250	225	275	
Na	23	45	He	25237.478	ug/l	1.7	25000	22500	27500	
Mg	24	45	He	24980.928	ug/l	1.5	25000	22500	27500	
Al	27	45	He	25187.328	ug/l	0.7	25000	22500	27500	
K	39	45	He	24925.053	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24313.950	ug/l	1.5	25000	22500	27500	
Ti	47	45	No Gas	100.225	ug/l	1.1	100	90	110	
V	51	45	He	98.920	ug/l	1.3	100	90	110	
Cr	52	45	He	99.614	ug/l	1.1	100	90	110	
Mn	55	45	He	100.174	ug/l	1.5	100	90	110	
Fe	56	45	H2	24198.476	ug/l	1.2	25000	22500	27500	
Co	59	45	He	100.456	ug/l	0.3	100	90	110	
Ni	60	45	He	100.541	ug/l	0.3	100	90	110	
Cu	63	45	He	98.829	ug/l	1.2	100	90	110	
Zn	66	45	He	250.092	ug/l	0.7	250	225	275	
As	75	45	He	98.478	ug/l	1.1	100	90	110	
Se	78	45	H2	99.034	ug/l	1.9	100	90	110	
Sr	88	115	He	97.805	ug/l	1.9	100	90	110	
Mo	95	115	He	99.727	ug/l	1.5	100	90	110	
Ag	107	115	He	49.604	ug/l	0.5	50	45	55	
Cd	111	115	He	98.514	ug/l	2.0	100	90	110	
Sn	118	115	He	100.698	ug/l	1.2	100	90	110	
Sb	121	115	He	100.045	ug/l	0.5	100	90	110	
Ba	137	159	He	97.741	ug/l	2.0	100	90	110	
Tl	205	209	He	100.316	ug/l	0.8	100	90	110	
[Pb]	206	209	He	98.198	ug/l	1.4				
[Pb]	207	209	He	98.498	ug/l	0.3				
Pb	208	209	He	98.665	ug/l	1.0	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11442878.44	0.3	98.2	60	125	
Sc (ISICPMS)	45	No Gas	9724236.17	0.8	96.2	60	125	
Sc (ISICPMS)	45	H2	3408368.35	1.3	97.7	60	125	
Sc (ISICPMS)	45	He	124570.42	2.3	97.0	60	125	
Ge (IS)	74	H2	683648.18	0.7	101.8	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68525.21	2.9	104.9	60	125	
Kr	83	He	6.67	173.2				
In-1	115	He	158840.04	2.0	99.2	60	125	
Tb (IS)	159	He	938724.38	1.6	100.5	60	125	
Bi (IS)	209	He	791466.12	1.6	99.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 059_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:43:19

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	16.6	0.8	-0.8	0.8	
B	11	6	No Gas	6.757	ug/l	1.2	40	-40	40	
Na	23	45	He	42.224	ug/l	17.0	500	-500	500	
Mg	24	45	He	1.362	ug/l	54.1	200	-200	200	
Al	27	45	He	-0.559	ug/l	N/A	40	-40	40	
K	39	45	He	58.051	ug/l	125.4	200	-200	200	
Ca	40	45	H2	3.749	ug/l	17.3	500	-500	500	
Ti	47	45	No Gas	0.298	ug/l	18.8	4	-4	4	
V	51	45	He	0.009	ug/l	418.3	4	-4	4	
Cr	52	45	He	-0.112	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.076	ug/l	26.5	8	-8	8	
Fe	56	45	H2	1.652	ug/l	33.1	60	-60	60	
Co	59	45	He	-0.005	ug/l	N/A	4	-4	4	
Ni	60	45	He	0.047	ug/l	216.2	4	-4	4	
Cu	63	45	He	-0.375	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.421	ug/l	37.0	16	-16	16	
As	75	45	He	0.094	ug/l	69.9	2	-2	2	
Se	78	45	H2	0.188	ug/l	64.3	2.5	-2.5	2.5	
Sr	88	115	He	0.004	ug/l	1001.9	4	-4	4	
Mo	95	115	He	0.266	ug/l	14.0	4	-4	4	
Ag	107	115	He	0.003	ug/l	191.2	2	-2	2	
Cd	111	115	He	0.013	ug/l	101.1	2	-2	2	
Sn	118	115	He	0.204	ug/l	79.2	16	-16	16	
Sb	121	115	He	0.006	ug/l	30.5	2	-2	2	
Ba	137	159	He	-0.015	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.139	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.015	ug/l	109.1				
[Pb]	207	209	He	0.025	ug/l	87.7				
Pb	208	209	He	0.025	ug/l	40.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11391457.61	0.6	97.8	60	125	
Sc (ISICPMS)	45	No Gas	9889606.10	0.2	97.9	60	125	
Sc (ISICPMS)	45	H2	3415656.09	1.0	98.0	60	125	
Sc (ISICPMS)	45	He	125510.83	1.1	97.8	60	125	
Ge (IS)	74	H2	671564.47	1.0	100.0	60	125	
Ge (IS)	74	He	66646.58	2.7	102.0	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	160282.93	1.5	100.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	942937.78	1.3	100.9	60	125	
Bi (IS)	209	He	818204.74	1.1	102.6	60	125	

Sample Report

File Name 060SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:46:17

Sample Name **460-300171-e-1-d msd**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.910	ug/l	1.2	2000	
B	11	6	No Gas	469.709	ug/l	0.4	2000	
Na	23	45	He	189108.905	ug/l	0.2	500000	
Mg	24	45	He	6569.536	ug/l	0.3	500000	
Al	27	45	He	2460.683	ug/l	1.3	500000	
K	39	45	He	5777.403	ug/l	0.7	500000	
Ca	40	45	H2	36589.188	ug/l	2.8	1000000	
Ti	47	45	No Gas	46.677	ug/l	0.6	10000	
V	51	45	He	46.582	ug/l	1.6	5000	
Cr	52	45	He	45.502	ug/l	2.0	20000	
Mn	55	45	He	230.725	ug/l	1.3	20000	
Fe	56	45	H2	2381.562	ug/l	3.7	500000	
Co	59	45	He	23.884	ug/l	0.5	2000	
Ni	60	45	He	47.956	ug/l	0.3	20000	
Cu	63	45	He	45.908	ug/l	1.4	20000	
Zn	66	45	He	244.495	ug/l	1.7	20000	
As	75	45	He	48.092	ug/l	1.5	5000	
Se	78	45	H2	46.129	ug/l	3.0	3000	
Sr	88	115	He	190.146	ug/l	0.9	5000	
Mo	95	115	He	46.086	ug/l	0.5	2000	
Ag	107	115	He	23.528	ug/l	1.3	1000	
Cd	111	115	He	24.213	ug/l	4.1	5000	
Sn	118	115	He	48.268	ug/l	1.9	2000	
Sb	121	115	He	25.631	ug/l	1.5	1000	
Ba	137	159	He	76.562	ug/l	1.3	20000	
Tl	205	209	He	18.956	ug/l	2.0	1000	
[Pb]	206	209	He	23.733	ug/l	0.4		
[Pb]	207	209	He	23.657	ug/l	0.5		
Pb	208	209	He	23.820	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11285580.53	0.5	96.9	60	125	
Sc (ISICPMS)	45	No Gas	9968089.30	1.0	98.7	60	125	
Sc (ISICPMS)	45	H2	3457021.89	1.4	99.1	60	125	
Sc (ISICPMS)	45	He	127937.91	1.5	99.7	60	125	
Ge (IS)	74	H2	692592.51	0.7	103.1	60	125	
Ge (IS)	74	He	69746.18	2.2	106.8	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158041.93	2.5	98.7	60	125	
Tb (IS)	159	He	944312.88	1.0	101.1	60	125	
Bi (IS)	209	He	788341.01	1.1	98.9	60	125	

Sample Report

File Name 061SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:48:41

Sample Name **460-300171-e-1-c ms**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.216	ug/l	0.5	2000	
B	11	6	No Gas	476.959	ug/l	0.7	2000	
Na	23	45	He	194481.373	ug/l	1.7	500000	
Mg	24	45	He	6744.553	ug/l	1.9	500000	
Al	27	45	He	2499.233	ug/l	0.7	500000	
K	39	45	He	5953.639	ug/l	1.7	500000	
Ca	40	45	H2	36572.790	ug/l	0.3	1000000	
Ti	47	45	No Gas	46.260	ug/l	1.3	10000	
V	51	45	He	47.356	ug/l	1.2	5000	
Cr	52	45	He	45.894	ug/l	0.3	20000	
Mn	55	45	He	236.822	ug/l	1.2	20000	
Fe	56	45	H2	2346.297	ug/l	0.8	500000	
Co	59	45	He	24.524	ug/l	1.0	2000	
Ni	60	45	He	49.447	ug/l	0.8	20000	
Cu	63	45	He	46.814	ug/l	0.8	20000	
Zn	66	45	He	252.019	ug/l	0.8	20000	
As	75	45	He	49.846	ug/l	1.2	5000	
Se	78	45	H2	45.199	ug/l	1.0	3000	
Sr	88	115	He	194.715	ug/l	0.3	5000	
Mo	95	115	He	46.529	ug/l	0.8	2000	
Ag	107	115	He	23.819	ug/l	0.5	1000	
Cd	111	115	He	24.478	ug/l	2.3	5000	
Sn	118	115	He	47.803	ug/l	1.5	2000	
Sb	121	115	He	26.070	ug/l	1.0	1000	
Ba	137	159	He	77.208	ug/l	2.1	20000	
Tl	205	209	He	19.067	ug/l	0.8	1000	
[Pb]	206	209	He	24.191	ug/l	0.1		
[Pb]	207	209	He	23.638	ug/l	1.7		
Pb	208	209	He	23.914	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11247576.22	0.9	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9958649.43	0.4	98.6	60	125	
Sc (ISICPMS)	45	H2	3492646.34	0.6	100.2	60	125	
Sc (ISICPMS)	45	He	125467.84	2.1	97.7	60	125	
Ge (IS)	74	H2	691913.79	0.6	103.0	60	125	
Ge (IS)	74	He	69503.02	1.9	106.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157636.54	1.6	98.4	60	125	
Tb (IS)	159	He	941510.89	0.6	100.8	60	125	
Bi (IS)	209	He	788643.66	0.8	98.9	60	125	

Sample Report

File Name 062SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:51:05

Sample Name **460-300171-e-1-b du**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	16.9	2000	
B	11	6	No Gas	10.563	ug/l	2.9	2000	
Na	23	45	He	189568.206	ug/l	1.1	500000	
Mg	24	45	He	4264.086	ug/l	0.5	500000	
Al	27	45	He	33.402	ug/l	7.9	500000	
K	39	45	He	3424.990	ug/l	3.9	500000	
Ca	40	45	H2	33981.128	ug/l	1.3	1000000	
Ti	47	45	No Gas	-0.127	ug/l	N/A	10000	
V	51	45	He	0.010	ug/l	798.1	5000	
Cr	52	45	He	-1.493	ug/l	N/A	20000	
Mn	55	45	He	2.036	ug/l	7.4	20000	
Fe	56	45	H2	8.247	ug/l	7.2	500000	
Co	59	45	He	0.460	ug/l	8.4	2000	
Ni	60	45	He	1.488	ug/l	7.3	20000	
Cu	63	45	He	0.505	ug/l	6.5	20000	
Zn	66	45	He	2.068	ug/l	32.6	20000	
As	75	45	He	0.329	ug/l	53.1	5000	
Se	78	45	H2	0.159	ug/l	25.3	3000	
Sr	88	115	He	142.527	ug/l	1.4	5000	
Mo	95	115	He	0.252	ug/l	9.8	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.020	ug/l	726.3	2000	
Sb	121	115	He	0.085	ug/l	39.5	1000	
Ba	137	159	He	30.432	ug/l	2.8	20000	
Tl	205	209	He	-0.159	ug/l	N/A	1000	
[Pb]	206	209	He	0.187	ug/l	8.2		
[Pb]	207	209	He	0.189	ug/l	8.6		
Pb	208	209	He	0.181	ug/l	5.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11285201.78	1.4	96.9	60	125	
Sc (ISICPMS)	45	No Gas	9953789.78	0.6	98.5	60	125	
Sc (ISICPMS)	45	H2	3460168.46	0.6	99.2	60	125	
Sc (ISICPMS)	45	He	124418.17	2.2	96.9	60	125	
Ge (IS)	74	H2	690302.07	0.6	102.8	60	125	
Ge (IS)	74	He	69092.25	2.2	105.8	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159139.86	2.1	99.4	60	125	
Tb (IS)	159	He	933783.56	0.5	100.0	60	125	
Bi (IS)	209	He	792338.58	1.3	99.4	60	125	

Sample Report

File Name 063SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:53:28

Sample Name **460-300171-e-1-a**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	21.5	2000	
B	11	6	No Gas	6.361	ug/l	2.5	2000	
Na	23	45	He	191787.201	ug/l	0.3	500000	
Mg	24	45	He	4290.213	ug/l	0.7	500000	
Al	27	45	He	42.162	ug/l	4.2	500000	
K	39	45	He	3476.943	ug/l	1.9	500000	
Ca	40	45	H2	34997.429	ug/l	1.1	1000000	
Ti	47	45	No Gas	-0.125	ug/l	N/A	10000	
V	51	45	He	0.002	ug/l	699.7	5000	
Cr	52	45	He	-1.593	ug/l	N/A	20000	
Mn	55	45	He	2.250	ug/l	5.5	20000	
Fe	56	45	H2	2.725	ug/l	17.6	500000	
Co	59	45	He	0.442	ug/l	7.4	2000	
Ni	60	45	He	2.036	ug/l	12.9	20000	
Cu	63	45	He	0.080	ug/l	42.9	20000	
Zn	66	45	He	1.576	ug/l	20.2	20000	
As	75	45	He	0.377	ug/l	11.9	5000	
Se	78	45	H2	0.229	ug/l	54.6	3000	
Sr	88	115	He	148.296	ug/l	0.1	5000	
Mo	95	115	He	0.142	ug/l	3.4	2000	
Ag	107	115	He	0.001	ug/l	244.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.071	ug/l	N/A	2000	
Sb	121	115	He	0.067	ug/l	39.7	1000	
Ba	137	159	He	31.126	ug/l	0.8	20000	
Tl	205	209	He	-0.161	ug/l	N/A	1000	
[Pb]	206	209	He	0.057	ug/l	20.1		
[Pb]	207	209	He	0.028	ug/l	47.4		
Pb	208	209	He	0.044	ug/l	17.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11260363.58	0.8	96.7	60	125	
Sc (ISICPMS)	45	No Gas	9911840.61	1.5	98.1	60	125	
Sc (ISICPMS)	45	H2	3427369.19	1.0	98.3	60	125	
Sc (ISICPMS)	45	He	126347.47	1.4	98.4	60	125	
Ge (IS)	74	H2	686981.05	0.5	102.3	60	125	
Ge (IS)	74	He	68237.77	2.2	104.5	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158718.35	1.9	99.1	60	125	
Tb (IS)	159	He	932365.67	1.7	99.8	60	125	
Bi (IS)	209	He	794292.91	0.8	99.6	60	125	

Sample Report

File Name 064SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:55:52

Sample Name **SD 460-300171-e-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	48.3	2000	
B	11	6	No Gas	4.075	ug/l	1.4	2000	
Na	23	45	He	39113.752	ug/l	1.3	500000	
Mg	24	45	He	875.328	ug/l	1.7	500000	
Al	27	45	He	7.467	ug/l	19.4	500000	
K	39	45	He	777.386	ug/l	13.5	500000	
Ca	40	45	H2	7057.685	ug/l	0.7	1000000	
Ti	47	45	No Gas	-0.043	ug/l	N/A	10000	
V	51	45	He	0.081	ug/l	84.7	5000	
Cr	52	45	He	-0.625	ug/l	N/A	20000	
Mn	55	45	He	0.366	ug/l	61.9	20000	
Fe	56	45	H2	0.824	ug/l	56.8	500000	
Co	59	45	He	0.073	ug/l	4.8	2000	
Ni	60	45	He	0.469	ug/l	37.3	20000	
Cu	63	45	He	-0.250	ug/l	N/A	20000	
Zn	66	45	He	0.805	ug/l	32.9	20000	
As	75	45	He	0.059	ug/l	48.9	5000	
Se	78	45	H2	0.094	ug/l	56.8	3000	
Sr	88	115	He	29.012	ug/l	1.4	5000	
Mo	95	115	He	0.136	ug/l	16.9	2000	
Ag	107	115	He	0.003	ug/l	327.0	1000	
Cd	111	115	He	0.009	ug/l	86.6	5000	
Sn	118	115	He	0.163	ug/l	7.0	2000	
Sb	121	115	He	0.007	ug/l	141.2	1000	
Ba	137	159	He	5.918	ug/l	8.0	20000	
Tl	205	209	He	-0.165	ug/l	N/A	1000	
[Pb]	206	209	He	0.040	ug/l	96.7		
[Pb]	207	209	He	0.044	ug/l	44.6		
Pb	208	209	He	0.027	ug/l	31.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11280758.16	0.8	96.8	60	125	
Sc (ISICPMS)	45	No Gas	9937467.77	0.7	98.4	60	125	
Sc (ISICPMS)	45	H2	3436248.63	0.8	98.5	60	125	
Sc (ISICPMS)	45	He	126001.63	2.5	98.1	60	125	
Ge (IS)	74	H2	676269.86	0.2	100.7	60	125	
Ge (IS)	74	He	67877.95	1.3	103.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159453.68	2.4	99.6	60	125	
Tb (IS)	159	He	942442.66	1.9	100.9	60	125	
Bi (IS)	209	He	796076.67	1.4	99.8	60	125	

Sample Report

File Name 065SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 16:58:15

Sample Name **460-300268-f-1-a**

Comment ---

Dilution **1.0000**

Vial # 2312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.059	ug/l	2.7	2000	
B	11	6	No Gas	27.292	ug/l	1.4	2000	
Na	23	45	He	149115.054	ug/l	0.9	500000	
Mg	24	45	He	14907.117	ug/l	1.8	500000	
Al	27	45	He	915.083	ug/l	1.7	500000	
K	39	45	He	3703.599	ug/l	3.0	500000	
Ca	40	45	H2	39541.109	ug/l	1.9	1000000	
Ti	47	45	No Gas	2.326	ug/l	8.3	10000	
V	51	45	He	0.693	ug/l	20.3	5000	
Cr	52	45	He	-0.948	ug/l	N/A	20000	
Mn	55	45	He	633.728	ug/l	1.3	20000	
Fe	56	45	H2	268.079	ug/l	3.3	500000	
Co	59	45	He	66.039	ug/l	0.4	2000	
Ni	60	45	He	15.279	ug/l	1.0	20000	
Cu	63	45	He	3.954	ug/l	5.3	20000	
Zn	66	45	He	43.697	ug/l	0.3	20000	
As	75	45	He	2.685	ug/l	9.0	5000	
Se	78	45	H2	0.842	ug/l	25.7	3000	
Sr	88	115	He	163.997	ug/l	0.5	5000	
Mo	95	115	He	0.503	ug/l	13.2	2000	
Ag	107	115	He	0.138	ug/l	15.0	1000	
Cd	111	115	He	1.356	ug/l	8.6	5000	
Sn	118	115	He	-0.110	ug/l	N/A	2000	
Sb	121	115	He	0.161	ug/l	30.8	1000	
Ba	137	159	He	106.331	ug/l	0.3	20000	
Tl	205	209	He	-0.092	ug/l	N/A	1000	
[Pb]	206	209	He	0.466	ug/l	4.1		
[Pb]	207	209	He	0.530	ug/l	6.8		
Pb	208	209	He	0.498	ug/l	3.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11281338.86	0.8	96.8	60	125	
Sc (ISICPMS)	45	No Gas	9993251.17	0.7	98.9	60	125	
Sc (ISICPMS)	45	H2	3457789.81	1.2	99.2	60	125	
Sc (ISICPMS)	45	He	126322.35	2.0	98.4	60	125	
Ge (IS)	74	H2	689047.43	0.5	102.6	60	125	
Ge (IS)	74	He	69836.83	1.5	106.9	60	125	
Kr	83	He	73.41	43.8				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160976.49	2.5	100.5	60	125	
Tb (IS)	159	He	963401.81	1.5	103.1	60	125	
Bi (IS)	209	He	793578.06	1.3	99.5	60	125	

Sample Report

File Name 066SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:00:39

Sample Name **460-300268-f-2-a**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.300	ug/l	1.1	2000	
B	11	6	No Gas	35.953	ug/l	1.2	2000	
Na	23	45	He	89075.323	ug/l	0.5	500000	
Mg	24	45	He	34429.138	ug/l	0.5	500000	
Al	27	45	He	257.129	ug/l	2.9	500000	
K	39	45	He	7981.264	ug/l	0.2	500000	
Ca	40	45	H2	70204.783	ug/l	0.5	1000000	
Ti	47	45	No Gas	0.328	ug/l	71.4	10000	
V	51	45	He	0.344	ug/l	27.3	5000	
Cr	52	45	He	-1.225	ug/l	N/A	20000	
Mn	55	45	He	714.207	ug/l	0.8	20000	
Fe	56	45	H2	13.867	ug/l	5.9	500000	
Co	59	45	He	101.214	ug/l	1.0	2000	
Ni	60	45	He	41.635	ug/l	1.7	20000	
Cu	63	45	He	12.506	ug/l	2.8	20000	
Zn	66	45	He	48.940	ug/l	2.8	20000	
As	75	45	He	0.912	ug/l	2.5	5000	
Se	78	45	H2	1.478	ug/l	16.5	3000	
Sr	88	115	He	358.524	ug/l	1.6	5000	
Mo	95	115	He	0.119	ug/l	15.7	2000	
Ag	107	115	He	0.029	ug/l	56.4	1000	
Cd	111	115	He	1.967	ug/l	10.9	5000	
Sn	118	115	He	-0.029	ug/l	N/A	2000	
Sb	121	115	He	0.022	ug/l	85.7	1000	
Ba	137	159	He	149.931	ug/l	1.6	20000	
Tl	205	209	He	-0.093	ug/l	N/A	1000	
[Pb]	206	209	He	0.481	ug/l	2.6		
[Pb]	207	209	He	0.462	ug/l	1.3		
Pb	208	209	He	0.468	ug/l	4.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11279239.27	0.2	96.8	60	125	
Sc (ISICPMS)	45	No Gas	10014704.85	0.6	99.1	60	125	
Sc (ISICPMS)	45	H2	3450742.76	0.5	99.0	60	125	
Sc (ISICPMS)	45	He	126167.19	1.4	98.3	60	125	
Ge (IS)	74	H2	693193.45	1.1	103.2	60	125	
Ge (IS)	74	He	69466.32	1.0	106.3	60	125	
Kr	83	He	16.68	34.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159880.89	1.8	99.8	60	125	
Tb (IS)	159	He	943333.01	0.6	101.0	60	125	
Bi (IS)	209	He	791113.93	1.4	99.2	60	125	

Sample Report

File Name 067SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:03:03

Sample Name **460-300333-b-9-a**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	147.2	2000	
B	11	6	No Gas	22.380	ug/l	0.7	2000	
Na	23	45	He	38552.689	ug/l	0.7	500000	
Mg	24	45	He	15251.272	ug/l	0.3	500000	
Al	27	45	He	59.792	ug/l	4.3	500000	
K	39	45	He	16492.785	ug/l	1.0	500000	
Ca	40	45	H2	34138.015	ug/l	1.0	1000000	
Ti	47	45	No Gas	4.275	ug/l	32.7	10000	
V	51	45	He	0.362	ug/l	25.9	5000	
Cr	52	45	He	0.671	ug/l	20.8	20000	
Mn	55	45	He	3.629	ug/l	4.1	20000	
Fe	56	45	H2	29.896	ug/l	2.1	500000	
Co	59	45	He	0.097	ug/l	16.5	2000	
Ni	60	45	He	4.693	ug/l	2.5	20000	
Cu	63	45	He	256.223	ug/l	1.0	20000	
Zn	66	45	He	82.326	ug/l	1.1	20000	
As	75	45	He	0.173	ug/l	24.1	5000	
Se	78	45	H2	0.322	ug/l	30.6	3000	
Sr	88	115	He	92.980	ug/l	0.6	5000	
Mo	95	115	He	0.411	ug/l	21.4	2000	
Ag	107	115	He	0.175	ug/l	6.5	1000	
Cd	111	115	He	0.044	ug/l	62.2	5000	
Sn	118	115	He	0.152	ug/l	40.4	2000	
Sb	121	115	He	0.435	ug/l	22.2	1000	
Ba	137	159	He	30.121	ug/l	1.0	20000	
Tl	205	209	He	-0.164	ug/l	N/A	1000	
[Pb]	206	209	He	2.097	ug/l	1.7		
[Pb]	207	209	He	2.134	ug/l	3.2		
Pb	208	209	He	2.159	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11458443.72	0.7	98.4	60	125	
Sc (ISICPMS)	45	No Gas	9932887.49	0.1	98.3	60	125	
Sc (ISICPMS)	45	H2	3479919.36	0.5	99.8	60	125	
Sc (ISICPMS)	45	He	126474.31	1.5	98.5	60	125	
Ge (IS)	74	H2	701369.27	0.9	104.4	60	125	
Ge (IS)	74	He	71077.85	2.7	108.8	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161057.38	2.2	100.6	60	125	
Tb (IS)	159	He	943680.42	1.0	101.0	60	125	
Bi (IS)	209	He	803726.60	1.7	100.8	60	125	

Sample Report

File Name 068SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:05:27

Sample Name **460-300323-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.022	ug/l	44.1	2000	
B	11	6	No Gas	138.179	ug/l	0.4	2000	
Na	23	45	He	518566.700	ug/l	0.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	16844.757	ug/l	0.5	500000	
Al	27	45	He	229.108	ug/l	3.4	500000	
K	39	45	He	45357.089	ug/l	1.2	500000	
Ca	40	45	H2	23636.923	ug/l	1.2	1000000	
Ti	47	45	No Gas	175.737	ug/l	1.9	10000	
V	51	45	He	1.842	ug/l	11.7	5000	
Cr	52	45	He	2.586	ug/l	6.1	20000	
Mn	55	45	He	84.560	ug/l	0.4	20000	
Fe	56	45	H2	5548.115	ug/l	0.9	500000	
Co	59	45	He	0.595	ug/l	4.2	2000	
Ni	60	45	He	3.755	ug/l	3.5	20000	
Cu	63	45	He	41.530	ug/l	0.9	20000	
Zn	66	45	He	155.324	ug/l	1.1	20000	
As	75	45	He	0.529	ug/l	31.5	5000	
Se	78	45	H2	0.207	ug/l	23.2	3000	
Sr	88	115	He	130.697	ug/l	1.4	5000	
Mo	95	115	He	1.725	ug/l	4.2	2000	
Ag	107	115	He	0.006	ug/l	44.6	1000	
Cd	111	115	He	0.069	ug/l	61.8	5000	
Sn	118	115	He	-0.087	ug/l	N/A	2000	
Sb	121	115	He	1.482	ug/l	9.7	1000	
Ba	137	159	He	29.730	ug/l	3.3	20000	
Tl	205	209	He	-0.162	ug/l	N/A	1000	
[Pb]	206	209	He	2.484	ug/l	2.2		
[Pb]	207	209	He	2.487	ug/l	2.8		
Pb	208	209	He	2.468	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11192303.17	1.6	96.1	60	125	
Sc (ISICPMS)	45	No Gas	9722775.97	0.7	96.2	60	125	
Sc (ISICPMS)	45	H2	3362314.81	0.5	96.4	60	125	
Sc (ISICPMS)	45	He	123162.60	1.5	95.9	60	125	
Ge (IS)	74	H2	680209.39	0.6	101.3	60	125	
Ge (IS)	74	He	68036.93	1.8	104.2	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155519.66	2.2	97.1	60	125	
Tb (IS)	159	He	918369.15	1.4	98.3	60	125	
Bi (IS)	209	He	764728.72	1.1	95.9	60	125	

Sample Report

File Name 069SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:07:50

Sample Name **460-299939-f-1-a**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.111	ug/l	11.3	2000	
B	11	6	No Gas	52.724	ug/l	1.4	2000	
Na	23	45	He	62811.625	ug/l	1.0	500000	
Mg	24	45	He	4745.291	ug/l	0.7	500000	
Al	27	45	He	21.646	ug/l	11.7	500000	
K	39	45	He	3591.263	ug/l	0.9	500000	
Ca	40	45	H2	42670.979	ug/l	0.4	1000000	
Ti	47	45	No Gas	0.078	ug/l	190.0	10000	
V	51	45	He	-0.088	ug/l	N/A	5000	
Cr	52	45	He	-1.407	ug/l	N/A	20000	
Mn	55	45	He	329.688	ug/l	1.3	20000	
Fe	56	45	H2	48316.121	ug/l	0.4	500000	
Co	59	45	He	8.862	ug/l	1.8	2000	
Ni	60	45	He	1.784	ug/l	16.2	20000	
Cu	63	45	He	0.415	ug/l	18.4	20000	
Zn	66	45	He	17.044	ug/l	1.8	20000	
As	75	45	He	7.161	ug/l	1.0	5000	
Se	78	45	H2	0.055	ug/l	73.6	3000	
Sr	88	115	He	175.504	ug/l	0.8	5000	
Mo	95	115	He	0.116	ug/l	31.8	2000	
Ag	107	115	He	0.004	ug/l	112.7	1000	
Cd	111	115	He	0.036	ug/l	21.7	5000	
Sn	118	115	He	-0.189	ug/l	N/A	2000	
Sb	121	115	He	-0.010	ug/l	N/A	1000	
Ba	137	159	He	74.551	ug/l	1.9	20000	
Tl	205	209	He	-0.107	ug/l	N/A	1000	
[Pb]	206	209	He	0.046	ug/l	33.6		
[Pb]	207	209	He	0.086	ug/l	19.9		
Pb	208	209	He	0.052	ug/l	4.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11263420.94	0.3	96.7	60	125	
Sc (ISICPMS)	45	No Gas	9952021.45	0.4	98.5	60	125	
Sc (ISICPMS)	45	H2	3420786.23	0.2	98.1	60	125	
Sc (ISICPMS)	45	He	124141.62	1.2	96.7	60	125	
Ge (IS)	74	H2	691608.50	0.3	103.0	60	125	
Ge (IS)	74	He	69512.91	2.1	106.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158695.96	1.3	99.1	60	125	
Tb (IS)	159	He	928899.31	0.5	99.4	60	125	
Bi (IS)	209	He	796009.95	1.4	99.8	60	125	

Continuing Calibration Verification (CCV)

File Name 070_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:10:15

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.346	ug/l	1.9	100	90	110	
B	11	6	No Gas	244.588	ug/l	1.4	250	225	275	
Na	23	45	He	25438.205	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25295.901	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25088.887	ug/l	1.2	25000	22500	27500	
K	39	45	He	25012.069	ug/l	0.7	25000	22500	27500	
Ca	40	45	H2	24598.433	ug/l	1.8	25000	22500	27500	
Ti	47	45	No Gas	99.464	ug/l	2.5	100	90	110	
V	51	45	He	99.740	ug/l	1.5	100	90	110	
Cr	52	45	He	100.054	ug/l	1.1	100	90	110	
Mn	55	45	He	100.743	ug/l	1.1	100	90	110	
Fe	56	45	H2	24575.889	ug/l	1.3	25000	22500	27500	
Co	59	45	He	101.687	ug/l	0.6	100	90	110	
Ni	60	45	He	101.285	ug/l	0.7	100	90	110	
Cu	63	45	He	100.353	ug/l	0.8	100	90	110	
Zn	66	45	He	252.841	ug/l	1.7	250	225	275	
As	75	45	He	100.199	ug/l	2.1	100	90	110	
Se	78	45	H2	98.273	ug/l	1.4	100	90	110	
Sr	88	115	He	98.658	ug/l	2.0	100	90	110	
Mo	95	115	He	99.700	ug/l	0.7	100	90	110	
Ag	107	115	He	50.347	ug/l	0.4	50	45	55	
Cd	111	115	He	99.424	ug/l	0.4	100	90	110	
Sn	118	115	He	102.491	ug/l	0.8	100	90	110	
Sb	121	115	He	101.934	ug/l	0.4	100	90	110	
Ba	137	159	He	98.589	ug/l	1.2	100	90	110	
Tl	205	209	He	100.354	ug/l	0.6	100	90	110	
[Pb]	206	209	He	99.100	ug/l	0.1				
[Pb]	207	209	He	98.483	ug/l	0.5				
Pb	208	209	He	99.152	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11383406.50	1.4	97.7	60	125	
Sc (ISICPMS)	45	No Gas	9719749.79	1.4	96.2	60	125	
Sc (ISICPMS)	45	H2	3387967.69	0.3	97.2	60	125	
Sc (ISICPMS)	45	He	122781.62	1.6	95.6	60	125	
Ge (IS)	74	H2	679437.96	0.8	101.1	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67656.03	2.7	103.6	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	155717.51	2.1	97.2	60	125	
Tb (IS)	159	He	926592.55	1.8	99.2	60	125	
Bi (IS)	209	He	785047.34	1.7	98.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 071_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:12:39

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.004	ug/l	57.8	0.8	-0.8	0.8	
B	11	6	No Gas	4.403	ug/l	2.4	40	-40	40	
Na	23	45	He	50.133	ug/l	14.4	500	-500	500	
Mg	24	45	He	1.347	ug/l	29.7	200	-200	200	
Al	27	45	He	-0.111	ug/l	N/A	40	-40	40	
K	39	45	He	61.488	ug/l	137.0	200	-200	200	
Ca	40	45	H2	3.990	ug/l	32.8	500	-500	500	
Ti	47	45	No Gas	0.591	ug/l	45.8	4	-4	4	
V	51	45	He	-0.038	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.344	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.086	ug/l	16.0	8	-8	8	
Fe	56	45	H2	2.343	ug/l	37.2	60	-60	60	
Co	59	45	He	-0.005	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.001	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.414	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.712	ug/l	84.6	16	-16	16	
As	75	45	He	0.064	ug/l	59.7	2	-2	2	
Se	78	45	H2	0.162	ug/l	26.0	2.5	-2.5	2.5	
Sr	88	115	He	0.051	ug/l	61.2	4	-4	4	
Mo	95	115	He	0.092	ug/l	36.4	4	-4	4	
Ag	107	115	He	0.006	ug/l	103.5	2	-2	2	
Cd	111	115	He	0.005	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.084	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.016	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.087	ug/l	39.1	4	-4	4	
Tl	205	209	He	-0.143	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.025	ug/l	117.7				
[Pb]	207	209	He	0.020	ug/l	100.5				
Pb	208	209	He	0.016	ug/l	17.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11248810.53	1.3	96.6	60	125	
Sc (ISICPMS)	45	No Gas	9805169.92	0.2	97.0	60	125	
Sc (ISICPMS)	45	H2	3422928.07	2.4	98.2	60	125	
Sc (ISICPMS)	45	He	123513.81	1.7	96.2	60	125	
Ge (IS)	74	H2	667077.00	1.7	99.3	60	125	
Ge (IS)	74	He	65722.99	3.2	100.6	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	158178.92	1.2	98.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	931074.47	1.6	99.7	60	125	
Bi (IS)	209	He	806647.55	2.2	101.2	60	125	

Sample Report

File Name 072SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:15:03

Sample Name **460-299939-f-2-a**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.121	ug/l	1.3	2000	
B	11	6	No Gas	49.960	ug/l	0.4	2000	
Na	23	45	He	61250.762	ug/l	1.3	500000	
Mg	24	45	He	4607.242	ug/l	1.0	500000	
Al	27	45	He	30.564	ug/l	4.1	500000	
K	39	45	He	3457.661	ug/l	1.7	500000	
Ca	40	45	H2	41476.875	ug/l	1.7	1000000	
Ti	47	45	No Gas	0.348	ug/l	21.5	10000	
V	51	45	He	-0.129	ug/l	N/A	5000	
Cr	52	45	He	-1.625	ug/l	N/A	20000	
Mn	55	45	He	310.689	ug/l	0.9	20000	
Fe	56	45	H2	47031.759	ug/l	1.6	500000	
Co	59	45	He	8.504	ug/l	1.0	2000	
Ni	60	45	He	1.976	ug/l	1.8	20000	
Cu	63	45	He	6.206	ug/l	1.8	20000	
Zn	66	45	He	26.210	ug/l	1.8	20000	
As	75	45	He	6.621	ug/l	8.1	5000	
Se	78	45	H2	0.128	ug/l	32.4	3000	
Sr	88	115	He	172.150	ug/l	0.9	5000	
Mo	95	115	He	0.092	ug/l	35.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.045	ug/l	35.3	5000	
Sn	118	115	He	2.171	ug/l	17.1	2000	
Sb	121	115	He	-0.021	ug/l	N/A	1000	
Ba	137	159	He	71.452	ug/l	0.6	20000	
Tl	205	209	He	-0.095	ug/l	N/A	1000	
[Pb]	206	209	He	0.292	ug/l	10.5		
[Pb]	207	209	He	0.303	ug/l	12.6		
Pb	208	209	He	0.288	ug/l	1.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11579216.22	0.5	99.4	60	125	
Sc (ISICPMS)	45	No Gas	9808584.09	0.6	97.1	60	125	
Sc (ISICPMS)	45	H2	3424429.01	1.3	98.2	60	125	
Sc (ISICPMS)	45	He	124802.48	2.0	97.2	60	125	
Ge (IS)	74	H2	695351.14	0.8	103.5	60	125	
Ge (IS)	74	He	68802.93	1.2	105.3	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157949.28	2.1	98.6	60	125	
Tb (IS)	159	He	937602.50	1.0	100.4	60	125	
Bi (IS)	209	He	791157.20	1.4	99.2	60	125	

Sample Report

File Name 073SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:17:27

Sample Name **460-299939-f-4-a**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.021	ug/l	7.4	2000	
B	11	6	No Gas	3.999	ug/l	2.9	2000	
Na	23	45	He	196629.771	ug/l	1.3	500000	
Mg	24	45	He	4293.585	ug/l	0.7	500000	
Al	27	45	He	40.599	ug/l	6.3	500000	
K	39	45	He	3508.687	ug/l	3.6	500000	
Ca	40	45	H2	34068.746	ug/l	0.8	1000000	
Ti	47	45	No Gas	0.259	ug/l	12.5	10000	
V	51	45	He	-0.182	ug/l	N/A	5000	
Cr	52	45	He	-1.488	ug/l	N/A	20000	
Mn	55	45	He	1.651	ug/l	13.3	20000	
Fe	56	45	H2	6.802	ug/l	0.8	500000	
Co	59	45	He	0.417	ug/l	8.7	2000	
Ni	60	45	He	1.222	ug/l	10.9	20000	
Cu	63	45	He	-0.372	ug/l	N/A	20000	
Zn	66	45	He	1.103	ug/l	11.5	20000	
As	75	45	He	0.248	ug/l	46.5	5000	
Se	78	45	H2	0.134	ug/l	129.1	3000	
Sr	88	115	He	143.026	ug/l	1.4	5000	
Mo	95	115	He	0.058	ug/l	4.5	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.101	ug/l	N/A	2000	
Sb	121	115	He	0.030	ug/l	105.3	1000	
Ba	137	159	He	29.923	ug/l	1.1	20000	
Tl	205	209	He	-0.161	ug/l	N/A	1000	
[Pb]	206	209	He	0.138	ug/l	7.8		
[Pb]	207	209	He	0.151	ug/l	6.4		
Pb	208	209	He	0.143	ug/l	13.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11277803.03	1.4	96.8	60	125	
Sc (ISICPMS)	45	No Gas	9856545.62	0.8	97.6	60	125	
Sc (ISICPMS)	45	H2	3424565.16	0.8	98.2	60	125	
Sc (ISICPMS)	45	He	123540.16	2.0	96.2	60	125	
Ge (IS)	74	H2	680788.51	0.3	101.4	60	125	
Ge (IS)	74	He	68159.83	2.3	104.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158199.36	1.4	98.8	60	125	
Tb (IS)	159	He	936822.31	0.7	100.3	60	125	
Bi (IS)	209	He	786951.09	0.6	98.7	60	125	

Sample Report

File Name 074SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:19:51

Sample Name **460-299939-e-5-a**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	30.4	2000	
B	11	6	No Gas	48.818	ug/l	1.3	2000	
Na	23	45	He	202464.041	ug/l	0.6	500000	
Mg	24	45	He	4347.674	ug/l	1.6	500000	
Al	27	45	He	8.893	ug/l	9.4	500000	
K	39	45	He	3502.902	ug/l	3.3	500000	
Ca	40	45	H2	36214.865	ug/l	1.8	1000000	
Ti	47	45	No Gas	-0.059	ug/l	N/A	10000	
V	51	45	He	-0.174	ug/l	N/A	5000	
Cr	52	45	He	-1.507	ug/l	N/A	20000	
Mn	55	45	He	30.554	ug/l	1.6	20000	
Fe	56	45	H2	2426.435	ug/l	2.1	500000	
Co	59	45	He	1.095	ug/l	2.6	2000	
Ni	60	45	He	0.387	ug/l	30.8	20000	
Cu	63	45	He	1.266	ug/l	13.1	20000	
Zn	66	45	He	2.941	ug/l	8.9	20000	
As	75	45	He	0.223	ug/l	22.5	5000	
Se	78	45	H2	0.135	ug/l	45.4	3000	
Sr	88	115	He	144.166	ug/l	1.1	5000	
Mo	95	115	He	0.045	ug/l	82.7	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.036	ug/l	44.1	5000	
Sn	118	115	He	-0.091	ug/l	N/A	2000	
Sb	121	115	He	-0.022	ug/l	N/A	1000	
Ba	137	159	He	25.329	ug/l	1.7	20000	
Tl	205	209	He	-0.148	ug/l	N/A	1000	
[Pb]	206	209	He	0.058	ug/l	36.1		
[Pb]	207	209	He	0.082	ug/l	48.8		
Pb	208	209	He	0.066	ug/l	28.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10991265.95	0.3	94.3	60	125	
Sc (ISICPMS)	45	No Gas	9789468.12	0.2	96.9	60	125	
Sc (ISICPMS)	45	H2	3422061.51	0.8	98.1	60	125	
Sc (ISICPMS)	45	He	124574.76	1.4	97.0	60	125	
Ge (IS)	74	H2	677960.63	0.5	100.9	60	125	
Ge (IS)	74	He	68655.54	2.3	105.1	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156998.55	1.6	98.0	60	125	
Tb (IS)	159	He	937062.83	1.8	100.3	60	125	
Bi (IS)	209	He	786299.73	1.0	98.6	60	125	

Sample Report

File Name 075SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:22:14

Sample Name **460-299939-e-6-a**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	64.9	2000	
B	11	6	No Gas	46.986	ug/l	0.4	2000	
Na	23	45	He	190331.641	ug/l	1.2	500000	
Mg	24	45	He	4193.668	ug/l	0.7	500000	
Al	27	45	He	2.713	ug/l	35.9	500000	
K	39	45	He	3319.579	ug/l	3.1	500000	
Ca	40	45	H2	35187.219	ug/l	0.9	1000000	
Ti	47	45	No Gas	-0.096	ug/l	N/A	10000	
V	51	45	He	-0.132	ug/l	N/A	5000	
Cr	52	45	He	-1.562	ug/l	N/A	20000	
Mn	55	45	He	16.966	ug/l	0.8	20000	
Fe	56	45	H2	726.122	ug/l	0.9	500000	
Co	59	45	He	0.665	ug/l	6.9	2000	
Ni	60	45	He	0.069	ug/l	62.7	20000	
Cu	63	45	He	-0.166	ug/l	N/A	20000	
Zn	66	45	He	7.126	ug/l	7.4	20000	
As	75	45	He	0.049	ug/l	102.0	5000	
Se	78	45	H2	0.036	ug/l	150.6	3000	
Sr	88	115	He	137.801	ug/l	1.5	5000	
Mo	95	115	He	0.065	ug/l	128.2	2000	
Ag	107	115	He	0.004	ug/l	88.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.123	ug/l	N/A	2000	
Sb	121	115	He	0.001	ug/l	1758.4	1000	
Ba	137	159	He	23.395	ug/l	0.5	20000	
Tl	205	209	He	-0.144	ug/l	N/A	1000	
[Pb]	206	209	He	0.022	ug/l	32.3		
[Pb]	207	209	He	0.037	ug/l	77.9		
Pb	208	209	He	0.029	ug/l	25.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11133685.39	1.5	95.6	60	125	
Sc (ISICPMS)	45	No Gas	9865573.26	1.3	97.6	60	125	
Sc (ISICPMS)	45	H2	3380664.22	1.1	97.0	60	125	
Sc (ISICPMS)	45	He	125056.72	1.9	97.4	60	125	
Ge (IS)	74	H2	675656.63	0.9	100.6	60	125	
Ge (IS)	74	He	68261.11	1.2	104.5	60	125	
Kr	83	He	10.01	NaN				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156636.04	2.4	97.8	60	125	
Tb (IS)	159	He	930790.78	0.9	99.6	60	125	
Bi (IS)	209	He	780357.03	1.4	97.9	60	125	

Sample Report

File Name 076SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:24:39

Sample Name **460-299939-e-7-a**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	55.2	2000	
B	11	6	No Gas	48.304	ug/l	0.9	2000	
Na	23	45	He	198467.556	ug/l	1.3	500000	
Mg	24	45	He	4307.656	ug/l	1.6	500000	
Al	27	45	He	3.787	ug/l	37.0	500000	
K	39	45	He	3458.509	ug/l	2.7	500000	
Ca	40	45	H2	35988.549	ug/l	0.9	1000000	
Ti	47	45	No Gas	-0.166	ug/l	N/A	10000	
V	51	45	He	-0.128	ug/l	N/A	5000	
Cr	52	45	He	-1.585	ug/l	N/A	20000	
Mn	55	45	He	12.290	ug/l	2.8	20000	
Fe	56	45	H2	761.129	ug/l	1.5	500000	
Co	59	45	He	0.605	ug/l	3.9	2000	
Ni	60	45	He	0.011	ug/l	888.3	20000	
Cu	63	45	He	-0.260	ug/l	N/A	20000	
Zn	66	45	He	1.564	ug/l	19.6	20000	
As	75	45	He	0.086	ug/l	55.0	5000	
Se	78	45	H2	0.104	ug/l	56.4	3000	
Sr	88	115	He	140.034	ug/l	0.8	5000	
Mo	95	115	He	0.048	ug/l	34.9	2000	
Ag	107	115	He	0.000	ug/l	4030.9	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.092	ug/l	N/A	2000	
Sb	121	115	He	0.019	ug/l	125.3	1000	
Ba	137	159	He	22.493	ug/l	1.0	20000	
Tl	205	209	He	-0.147	ug/l	N/A	1000	
[Pb]	206	209	He	0.022	ug/l	32.5		
[Pb]	207	209	He	0.077	ug/l	27.9		
Pb	208	209	He	0.047	ug/l	52.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11174662.20	1.1	95.9	60	125	
Sc (ISICPMS)	45	No Gas	9639919.65	0.9	95.4	60	125	
Sc (ISICPMS)	45	H2	3365744.01	0.4	96.5	60	125	
Sc (ISICPMS)	45	He	123823.91	3.0	96.4	60	125	
Ge (IS)	74	H2	671289.67	0.1	99.9	60	125	
Ge (IS)	74	He	67735.39	1.7	103.7	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155350.46	2.5	97.0	60	125	
Tb (IS)	159	He	917962.35	1.0	98.3	60	125	
Bi (IS)	209	He	773400.77	1.0	97.0	60	125	

Sample Report

File Name 077SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:27:02

Sample Name **460-299939-d-8-a**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.020	ug/l	16.2	2000	
B	11	6	No Gas	3.621	ug/l	1.2	2000	
Na	23	45	He	192241.909	ug/l	0.8	500000	
Mg	24	45	He	4313.137	ug/l	0.7	500000	
Al	27	45	He	34.908	ug/l	8.7	500000	
K	39	45	He	3471.365	ug/l	2.1	500000	
Ca	40	45	H2	34278.199	ug/l	1.4	1000000	
Ti	47	45	No Gas	-0.030	ug/l	N/A	10000	
V	51	45	He	-0.081	ug/l	N/A	5000	
Cr	52	45	He	-1.495	ug/l	N/A	20000	
Mn	55	45	He	1.941	ug/l	15.3	20000	
Fe	56	45	H2	-1.105	ug/l	N/A	500000	
Co	59	45	He	0.462	ug/l	4.9	2000	
Ni	60	45	He	5.490	ug/l	1.6	20000	
Cu	63	45	He	0.013	ug/l	105.9	20000	
Zn	66	45	He	5.107	ug/l	9.0	20000	
As	75	45	He	0.183	ug/l	51.7	5000	
Se	78	45	H2	0.130	ug/l	41.1	3000	
Sr	88	115	He	145.128	ug/l	0.8	5000	
Mo	95	115	He	0.045	ug/l	52.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.084	ug/l	336.2	2000	
Sb	121	115	He	0.033	ug/l	9.6	1000	
Ba	137	159	He	30.215	ug/l	2.3	20000	
Tl	205	209	He	-0.166	ug/l	N/A	1000	
[Pb]	206	209	He	0.041	ug/l	43.0		
[Pb]	207	209	He	0.048	ug/l	54.3		
Pb	208	209	He	0.058	ug/l	25.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11189033.44	1.1	96.0	60	125	
Sc (ISICPMS)	45	No Gas	9755632.91	0.7	96.6	60	125	
Sc (ISICPMS)	45	H2	3391998.11	1.4	97.3	60	125	
Sc (ISICPMS)	45	He	122864.23	1.8	95.7	60	125	
Ge (IS)	74	H2	674245.89	1.3	100.4	60	125	
Ge (IS)	74	He	67672.71	2.5	103.6	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155039.65	1.5	96.8	60	125	
Tb (IS)	159	He	925342.50	1.3	99.1	60	125	
Bi (IS)	209	He	774218.49	1.4	97.1	60	125	

Sample Report

File Name 078SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:29:26

Sample Name **460-299951-e-1-a**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	127.439	ug/l	0.9	2000	
Na	23	45	He	153196.955	ug/l	1.1	500000	
Mg	24	45	He	8397.568	ug/l	1.6	500000	
Al	27	45	He	1531.601	ug/l	1.3	500000	
K	39	45	He	20210.210	ug/l	1.1	500000	
Ca	40	45	H2	38855.725	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.837	ug/l	13.2	10000	
V	51	45	He	0.735	ug/l	7.6	5000	
Cr	52	45	He	-1.172	ug/l	N/A	20000	
Mn	55	45	He	151.691	ug/l	2.0	20000	
Fe	56	45	H2	2439.198	ug/l	0.2	500000	
Co	59	45	He	1.208	ug/l	5.1	2000	
Ni	60	45	He	8.200	ug/l	1.1	20000	
Cu	63	45	He	3.541	ug/l	3.3	20000	
Zn	66	45	He	47.851	ug/l	1.3	20000	
As	75	45	He	0.337	ug/l	54.7	5000	
Se	78	45	H2	0.077	ug/l	165.1	3000	
Sr	88	115	He	248.037	ug/l	1.3	5000	
Mo	95	115	He	9.809	ug/l	3.4	2000	
Ag	107	115	He	0.001	ug/l	628.7	1000	
Cd	111	115	He	0.087	ug/l	31.4	5000	
Sn	118	115	He	-0.189	ug/l	N/A	2000	
Sb	121	115	He	0.423	ug/l	9.2	1000	
Ba	137	159	He	49.144	ug/l	3.3	20000	
Tl	205	209	He	-0.177	ug/l	N/A	1000	
[Pb]	206	209	He	3.142	ug/l	2.2		
[Pb]	207	209	He	3.081	ug/l	1.4		
Pb	208	209	He	3.130	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11109406.50	0.3	95.4	60	125	
Sc (ISICPMS)	45	No Gas	9707783.81	1.0	96.1	60	125	
Sc (ISICPMS)	45	H2	3375939.19	0.6	96.8	60	125	
Sc (ISICPMS)	45	He	122229.25	1.8	95.2	60	125	
Ge (IS)	74	H2	672943.13	1.1	100.2	60	125	
Ge (IS)	74	He	67919.50	0.9	104.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155715.46	1.8	97.2	60	125	
Tb (IS)	159	He	922962.56	0.4	98.8	60	125	
Bi (IS)	209	He	780051.52	0.7	97.8	60	125	

Sample Report

File Name 079SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:31:50

Sample Name **460-300171-e-2-a**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	17.2	2000	
B	11	6	No Gas	4.263	ug/l	0.7	2000	
Na	23	45	He	192496.240	ug/l	0.9	500000	
Mg	24	45	He	4300.428	ug/l	0.4	500000	
Al	27	45	He	38.995	ug/l	14.3	500000	
K	39	45	He	3466.518	ug/l	2.9	500000	
Ca	40	45	H2	34959.411	ug/l	2.3	1000000	
Ti	47	45	No Gas	-0.149	ug/l	N/A	10000	
V	51	45	He	-0.070	ug/l	N/A	5000	
Cr	52	45	He	-1.576	ug/l	N/A	20000	
Mn	55	45	He	1.740	ug/l	7.3	20000	
Fe	56	45	H2	-0.152	ug/l	N/A	500000	
Co	59	45	He	0.452	ug/l	5.0	2000	
Ni	60	45	He	1.408	ug/l	7.7	20000	
Cu	63	45	He	-0.373	ug/l	N/A	20000	
Zn	66	45	He	0.756	ug/l	45.4	20000	
As	75	45	He	0.237	ug/l	55.6	5000	
Se	78	45	H2	0.084	ug/l	75.8	3000	
Sr	88	115	He	146.690	ug/l	1.2	5000	
Mo	95	115	He	0.108	ug/l	31.6	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.170	ug/l	N/A	2000	
Sb	121	115	He	0.027	ug/l	110.3	1000	
Ba	137	159	He	30.675	ug/l	1.5	20000	
Tl	205	209	He	-0.174	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	109.8		
[Pb]	207	209	He	0.036	ug/l	89.1		
Pb	208	209	He	0.016	ug/l	60.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11185245.39	1.3	96.0	60	125	
Sc (ISICPMS)	45	No Gas	9616509.23	0.4	95.2	60	125	
Sc (ISICPMS)	45	H2	3359666.96	1.8	96.4	60	125	
Sc (ISICPMS)	45	He	124422.50	1.8	96.9	60	125	
Ge (IS)	74	H2	671886.91	1.3	100.0	60	125	
Ge (IS)	74	He	68019.79	2.4	104.1	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156396.01	1.7	97.7	60	125	
Tb (IS)	159	He	931262.79	1.8	99.7	60	125	
Bi (IS)	209	He	776782.84	1.4	97.4	60	125	

Sample Report

File Name 080SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:34:14

Sample Name **460-300217-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	214.9	2000	
B	11	6	No Gas	6.756	ug/l	1.0	2000	
Na	23	45	He	17860.594	ug/l	1.2	500000	
Mg	24	45	He	875.823	ug/l	0.9	500000	
Al	27	45	He	95.523	ug/l	0.8	500000	
K	39	45	He	6607.317	ug/l	1.6	500000	
Ca	40	45	H2	5103.530	ug/l	0.9	1000000	
Ti	47	45	No Gas	5.636	ug/l	4.0	10000	
V	51	45	He	0.264	ug/l	37.7	5000	
Cr	52	45	He	0.286	ug/l	44.3	20000	
Mn	55	45	He	8.170	ug/l	1.0	20000	
Fe	56	45	H2	920.830	ug/l	0.5	500000	
Co	59	45	He	0.064	ug/l	6.2	2000	
Ni	60	45	He	1.241	ug/l	3.1	20000	
Cu	63	45	He	18.984	ug/l	1.3	20000	
Zn	66	45	He	41.126	ug/l	1.6	20000	
As	75	45	He	0.077	ug/l	123.2	5000	
Se	78	45	H2	0.084	ug/l	96.6	3000	
Sr	88	115	He	10.851	ug/l	1.8	5000	
Mo	95	115	He	0.424	ug/l	27.4	2000	
Ag	107	115	He	0.021	ug/l	15.5	1000	
Cd	111	115	He	0.013	ug/l	1.9	5000	
Sn	118	115	He	0.146	ug/l	49.5	2000	
Sb	121	115	He	0.216	ug/l	11.4	1000	
Ba	137	159	He	3.057	ug/l	12.5	20000	
Tl	205	209	He	-0.172	ug/l	N/A	1000	
[Pb]	206	209	He	0.614	ug/l	4.1		
[Pb]	207	209	He	0.682	ug/l	3.3		
Pb	208	209	He	0.645	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11254897.06	0.9	96.6	60	125	
Sc (ISICPMS)	45	No Gas	9774199.51	0.5	96.7	60	125	
Sc (ISICPMS)	45	H2	3359297.31	0.9	96.3	60	125	
Sc (ISICPMS)	45	He	123683.93	3.0	96.3	60	125	
Ge (IS)	74	H2	685111.42	0.8	102.0	60	125	
Ge (IS)	74	He	69631.67	2.8	106.6	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158225.31	1.9	98.8	60	125	
Tb (IS)	159	He	921867.79	1.7	98.7	60	125	
Bi (IS)	209	He	795751.35	1.9	99.8	60	125	

Sample Report

File Name 081SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:36:37

Sample Name **460-300295-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	66.5	2000	
B	11	6	No Gas	202.599	ug/l	1.2	2000	
Na	23	45	He	26060.122	ug/l	4.4	500000	
Mg	24	45	He	7452.994	ug/l	4.3	500000	
Al	27	45	He	54.334	ug/l	1.1	500000	
K	39	45	He	5675.081	ug/l	3.7	500000	
Ca	40	45	H2	33977.226	ug/l	0.5	1000000	
Ti	47	45	No Gas	2.011	ug/l	26.4	10000	
V	51	45	He	0.546	ug/l	13.1	5000	
Cr	52	45	He	-0.426	ug/l	N/A	20000	
Mn	55	45	He	45.614	ug/l	4.4	20000	
Fe	56	45	H2	3850.604	ug/l	0.5	500000	
Co	59	45	He	0.316	ug/l	16.4	2000	
Ni	60	45	He	3.379	ug/l	8.6	20000	
Cu	63	45	He	3.524	ug/l	6.4	20000	
Zn	66	45	He	6.326	ug/l	13.7	20000	
As	75	45	He	1.105	ug/l	15.8	5000	
Se	78	45	H2	0.309	ug/l	36.5	3000	
Sr	88	115	He	148.273	ug/l	4.5	5000	
Mo	95	115	He	0.457	ug/l	16.7	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	90.9	5000	
Sn	118	115	He	0.030	ug/l	505.1	2000	
Sb	121	115	He	0.075	ug/l	37.6	1000	
Ba	137	159	He	47.127	ug/l	2.2	20000	
Tl	205	209	He	-0.176	ug/l	N/A	1000	
[Pb]	206	209	He	0.346	ug/l	11.5		
[Pb]	207	209	He	0.381	ug/l	10.7		
Pb	208	209	He	0.363	ug/l	7.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11448227.05	0.8	98.3	60	125	
Sc (ISICPMS)	45	No Gas	9841020.34	0.2	97.4	60	125	
Sc (ISICPMS)	45	H2	3419466.62	0.5	98.1	60	125	
Sc (ISICPMS)	45	He	125042.98	2.5	97.4	60	125	
Ge (IS)	74	H2	694279.77	0.5	103.4	60	125	
Ge (IS)	74	He	70530.79	1.8	108.0	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160347.14	1.7	100.1	60	125	
Tb (IS)	159	He	935869.10	1.5	100.2	60	125	
Bi (IS)	209	He	805803.77	1.8	101.1	60	125	

Continuing Calibration Verification (CCV)

File Name 082_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:39:01

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.736	ug/l	1.1	100	90	110	
B	11	6	No Gas	247.769	ug/l	1.5	250	225	275	
Na	23	45	He	25394.847	ug/l	1.8	25000	22500	27500	
Mg	24	45	He	25431.243	ug/l	2.2	25000	22500	27500	
Al	27	45	He	25426.633	ug/l	1.0	25000	22500	27500	
K	39	45	He	25194.555	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24975.099	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	98.749	ug/l	3.0	100	90	110	
V	51	45	He	99.666	ug/l	2.5	100	90	110	
Cr	52	45	He	100.838	ug/l	1.3	100	90	110	
Mn	55	45	He	100.698	ug/l	2.5	100	90	110	
Fe	56	45	H2	24752.669	ug/l	2.0	25000	22500	27500	
Co	59	45	He	101.230	ug/l	2.3	100	90	110	
Ni	60	45	He	101.469	ug/l	2.5	100	90	110	
Cu	63	45	He	100.194	ug/l	2.6	100	90	110	
Zn	66	45	He	255.244	ug/l	1.2	250	225	275	
As	75	45	He	98.401	ug/l	4.4	100	90	110	
Se	78	45	H2	99.032	ug/l	3.0	100	90	110	
Sr	88	115	He	98.206	ug/l	2.6	100	90	110	
Mo	95	115	He	98.429	ug/l	1.6	100	90	110	
Ag	107	115	He	49.802	ug/l	1.3	50	45	55	
Cd	111	115	He	98.945	ug/l	1.6	100	90	110	
Sn	118	115	He	100.552	ug/l	0.8	100	90	110	
Sb	121	115	He	99.591	ug/l	1.8	100	90	110	
Ba	137	159	He	99.167	ug/l	0.5	100	90	110	
Tl	205	209	He	100.620	ug/l	1.4	100	90	110	
[Pb]	206	209	He	98.924	ug/l	1.2				
[Pb]	207	209	He	99.598	ug/l	1.2				
Pb	208	209	He	99.598	ug/l	1.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11211910.53	0.3	96.2	60	125	
Sc (ISICPMS)	45	No Gas	9667779.51	1.0	95.7	60	125	
Sc (ISICPMS)	45	H2	3335210.40	1.2	95.6	60	125	
Sc (ISICPMS)	45	He	122264.77	1.7	95.2	60	125	
Ge (IS)	74	H2	669937.36	0.7	99.7	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67571.02	1.8	103.4	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	156643.55	1.6	97.8	60	125	
Tb (IS)	159	He	920869.80	2.2	98.6	60	125	
Bi (IS)	209	He	778934.09	1.7	97.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 083_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:41:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	59.4	0.8	-0.8	0.8	
B	11	6	No Gas	4.247	ug/l	5.8	40	-40	40	
Na	23	45	He	34.699	ug/l	22.7	500	-500	500	
Mg	24	45	He	0.927	ug/l	40.4	200	-200	200	
Al	27	45	He	-1.377	ug/l	N/A	40	-40	40	
K	39	45	He	69.625	ug/l	139.7	200	-200	200	
Ca	40	45	H2	5.200	ug/l	7.0	500	-500	500	
Ti	47	45	No Gas	0.925	ug/l	127.1	4	-4	4	
V	51	45	He	-0.001	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.218	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.006	ug/l	1281.4	8	-8	8	
Fe	56	45	H2	2.273	ug/l	15.9	60	-60	60	
Co	59	45	He	-0.007	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.037	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.385	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.828	ug/l	4.3	16	-16	16	
As	75	45	He	0.038	ug/l	139.1	2	-2	2	
Se	78	45	H2	0.102	ug/l	68.2	2.5	-2.5	2.5	
Sr	88	115	He	0.050	ug/l	29.6	4	-4	4	
Mo	95	115	He	0.118	ug/l	24.4	4	-4	4	
Ag	107	115	He	0.000	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.013	ug/l	2.6	2	-2	2	
Sn	118	115	He	0.070	ug/l	109.1	16	-16	16	
Sb	121	115	He	-0.015	ug/l	N/A	2	-2	2	
Ba	137	159	He	-0.002	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.148	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.008	ug/l	231.4				
[Pb]	207	209	He	0.028	ug/l	92.8				
Pb	208	209	He	0.013	ug/l	111.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11323561.08	1.5	97.2	60	125	
Sc (ISICPMS)	45	No Gas	9772235.41	0.7	96.7	60	125	
Sc (ISICPMS)	45	H2	3396271.72	0.7	97.4	60	125	
Sc (ISICPMS)	45	He	125536.11	0.3	97.8	60	125	
Ge (IS)	74	H2	663175.25	0.9	98.7	60	125	
Ge (IS)	74	He	66861.22	2.7	102.4	60	125	
Kr	83	He	10.01	100.0				
In-1	115	He	160015.72	2.6	99.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	942311.00	1.9	100.9	60	125	
Bi (IS)	209	He	815368.34	1.0	102.3	60	125	

Sample Report

File Name 084SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:43:49

Sample Name **460-300304-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.467	ug/l	3.6	2000	
B	11	6	No Gas	53.156	ug/l	0.4	2000	
Na	23	45	He	4280.812	ug/l	1.3	500000	
Mg	24	45	He	2677.176	ug/l	1.2	500000	
Al	27	45	He	1786.718	ug/l	0.6	500000	
K	39	45	He	639.269	ug/l	15.0	500000	
Ca	40	45	H2	8035.766	ug/l	0.3	1000000	
Ti	47	45	No Gas	0.166	ug/l	57.2	10000	
V	51	45	He	-0.023	ug/l	N/A	5000	
Cr	52	45	He	-0.201	ug/l	N/A	20000	
Mn	55	45	He	55.712	ug/l	0.2	20000	
Fe	56	45	H2	40.019	ug/l	3.1	500000	
Co	59	45	He	26.794	ug/l	2.0	2000	
Ni	60	45	He	62.083	ug/l	1.3	20000	
Cu	63	45	He	36.174	ug/l	0.7	20000	
Zn	66	45	He	84.601	ug/l	3.3	20000	
As	75	45	He	0.420	ug/l	40.9	5000	
Se	78	45	H2	6.197	ug/l	6.4	3000	
Sr	88	115	He	36.341	ug/l	2.1	5000	
Mo	95	115	He	88.487	ug/l	0.5	2000	
Ag	107	115	He	0.003	ug/l	56.2	1000	
Cd	111	115	He	0.550	ug/l	30.7	5000	
Sn	118	115	He	0.083	ug/l	319.1	2000	
Sb	121	115	He	0.029	ug/l	66.8	1000	
Ba	137	159	He	43.227	ug/l	2.2	20000	
Tl	205	209	He	-0.153	ug/l	N/A	1000	
[Pb]	206	209	He	1.289	ug/l	5.0		
[Pb]	207	209	He	1.238	ug/l	2.1		
Pb	208	209	He	1.259	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11575149.83	1.1	99.4	60	125	
Sc (ISICPMS)	45	No Gas	10057023.81	0.8	99.5	60	125	
Sc (ISICPMS)	45	H2	3450833.42	0.3	99.0	60	125	
Sc (ISICPMS)	45	He	127111.11	2.4	99.0	60	125	
Ge (IS)	74	H2	705734.91	0.9	105.1	60	125	
Ge (IS)	74	He	71001.74	1.6	108.7	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	164030.86	2.2	102.4	60	125	
Tb (IS)	159	He	956711.55	1.7	102.4	60	125	
Bi (IS)	209	He	827763.63	2.1	103.8	60	125	

Sample Report

File Name 085SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:46:13

Sample Name **460-300304-c-2-a**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.570	ug/l	3.0	2000	
B	11	6	No Gas	62.327	ug/l	0.6	2000	
Na	23	45	He	4716.466	ug/l	1.5	500000	
Mg	24	45	He	2952.555	ug/l	0.8	500000	
Al	27	45	He	2808.555	ug/l	1.1	500000	
K	39	45	He	393.078	ug/l	20.5	500000	
Ca	40	45	H2	14513.922	ug/l	1.5	1000000	
Ti	47	45	No Gas	0.232	ug/l	44.9	10000	
V	51	45	He	0.035	ug/l	235.8	5000	
Cr	52	45	He	5.781	ug/l	1.9	20000	
Mn	55	45	He	42.789	ug/l	3.0	20000	
Fe	56	45	H2	48.407	ug/l	4.4	500000	
Co	59	45	He	70.280	ug/l	1.2	2000	
Ni	60	45	He	44.663	ug/l	0.3	20000	
Cu	63	45	He	95.717	ug/l	0.5	20000	
Zn	66	45	He	74.580	ug/l	0.1	20000	
As	75	45	He	0.480	ug/l	42.8	5000	
Se	78	45	H2	12.691	ug/l	3.4	3000	
Sr	88	115	He	51.615	ug/l	3.7	5000	
Mo	95	115	He	502.345	ug/l	1.3	2000	
Ag	107	115	He	0.004	ug/l	205.6	1000	
Cd	111	115	He	0.369	ug/l	21.7	5000	
Sn	118	115	He	0.197	ug/l	92.1	2000	
Sb	121	115	He	-0.003	ug/l	N/A	1000	
Ba	137	159	He	29.391	ug/l	1.5	20000	
Tl	205	209	He	-0.121	ug/l	N/A	1000	
[Pb]	206	209	He	2.708	ug/l	1.9		
[Pb]	207	209	He	2.691	ug/l	2.3		
Pb	208	209	He	2.661	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11491507.89	1.5	98.6	60	125	
Sc (ISICPMS)	45	No Gas	9981076.24	1.0	98.8	60	125	
Sc (ISICPMS)	45	H2	3464560.02	1.1	99.4	60	125	
Sc (ISICPMS)	45	He	126103.13	1.7	98.2	60	125	
Ge (IS)	74	H2	708178.74	1.0	105.4	60	125	
Ge (IS)	74	He	71221.86	1.3	109.0	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	164333.44	1.0	102.6	60	125	
Tb (IS)	159	He	958096.46	1.1	102.6	60	125	
Bi (IS)	209	He	824472.58	0.9	103.4	60	125	

Sample Report

File Name 086SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:48:37

Sample Name **460-300304-c-3-a**

Comment ---

Dilution **1.0000**

Vial # 2505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	3.287	ug/l	0.6	2000	
Na	23	45	He	127.593	ug/l	10.5	500000	
Mg	24	45	He	3.104	ug/l	21.5	500000	
Al	27	45	He	7.753	ug/l	13.4	500000	
K	39	45	He	83.568	ug/l	103.6	500000	
Ca	40	45	H2	11.451	ug/l	12.0	1000000	
Ti	47	45	No Gas	-0.479	ug/l	N/A	10000	
V	51	45	He	-0.003	ug/l	N/A	5000	
Cr	52	45	He	-0.586	ug/l	N/A	20000	
Mn	55	45	He	0.148	ug/l	49.3	20000	
Fe	56	45	H2	12.182	ug/l	14.3	500000	
Co	59	45	He	0.025	ug/l	27.5	2000	
Ni	60	45	He	0.549	ug/l	12.2	20000	
Cu	63	45	He	0.944	ug/l	8.4	20000	
Zn	66	45	He	1.870	ug/l	40.2	20000	
As	75	45	He	0.003	ug/l	1377.8	5000	
Se	78	45	H2	-0.027	ug/l	N/A	3000	
Sr	88	115	He	0.036	ug/l	54.9	5000	
Mo	95	115	He	2.011	ug/l	3.3	2000	
Ag	107	115	He	0.022	ug/l	46.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.185	ug/l	N/A	2000	
Sb	121	115	He	-0.015	ug/l	N/A	1000	
Ba	137	159	He	0.298	ug/l	35.1	20000	
Tl	205	209	He	-0.173	ug/l	N/A	1000	
[Pb]	206	209	He	0.103	ug/l	14.2		
[Pb]	207	209	He	0.130	ug/l	28.3		
Pb	208	209	He	0.119	ug/l	11.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11416324.14	0.9	98.0	60	125	
Sc (ISICPMS)	45	No Gas	9941202.84	1.1	98.4	60	125	
Sc (ISICPMS)	45	H2	3469341.34	1.9	99.5	60	125	
Sc (ISICPMS)	45	He	125855.25	1.8	98.0	60	125	
Ge (IS)	74	H2	667687.45	1.1	99.4	60	125	
Ge (IS)	74	He	66212.46	2.3	101.4	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	163269.06	1.7	102.0	60	125	
Tb (IS)	159	He	953214.30	1.6	102.0	60	125	
Bi (IS)	209	He	823235.16	0.8	103.2	60	125	

Sample Report

File Name 087SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:51:01

Sample Name **460-299939-f-3-a**

Comment ---

Dilution **1.0000**

Vial # 2506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.013	ug/l	31.7	2000	
B	11	6	No Gas	3.451	ug/l	3.1	2000	
Na	23	45	He	194764.256	ug/l	0.5	500000	
Mg	24	45	He	4345.942	ug/l	0.7	500000	
Al	27	45	He	42.087	ug/l	8.6	500000	
K	39	45	He	3559.456	ug/l	2.1	500000	
Ca	40	45	H2	34466.454	ug/l	0.2	1000000	
Ti	47	45	No Gas	-0.264	ug/l	N/A	10000	
V	51	45	He	0.107	ug/l	59.7	5000	
Cr	52	45	He	-1.530	ug/l	N/A	20000	
Mn	55	45	He	1.567	ug/l	5.9	20000	
Fe	56	45	H2	-1.941	ug/l	N/A	500000	
Co	59	45	He	0.452	ug/l	4.6	2000	
Ni	60	45	He	1.355	ug/l	3.7	20000	
Cu	63	45	He	-0.427	ug/l	N/A	20000	
Zn	66	45	He	1.502	ug/l	10.0	20000	
As	75	45	He	0.302	ug/l	32.2	5000	
Se	78	45	H2	0.128	ug/l	50.9	3000	
Sr	88	115	He	146.901	ug/l	1.2	5000	
Mo	95	115	He	0.553	ug/l	13.6	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.004	ug/l	173.2	5000	
Sn	118	115	He	-0.142	ug/l	N/A	2000	
Sb	121	115	He	0.050	ug/l	45.1	1000	
Ba	137	159	He	30.769	ug/l	3.3	20000	
Tl	205	209	He	-0.166	ug/l	N/A	1000	
[Pb]	206	209	He	-0.025	ug/l	N/A		
[Pb]	207	209	He	-0.018	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11103345.25	0.2	95.3	60	125	
Sc (ISICPMS)	45	No Gas	9789241.87	0.8	96.9	60	125	
Sc (ISICPMS)	45	H2	3435242.79	0.5	98.5	60	125	
Sc (ISICPMS)	45	He	125439.84	1.3	97.7	60	125	
Ge (IS)	74	H2	685942.37	0.2	102.1	60	125	
Ge (IS)	74	He	70071.21	1.5	107.3	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159780.48	2.3	99.8	60	125	
Tb (IS)	159	He	941379.16	1.3	100.8	60	125	
Bi (IS)	209	He	790774.79	1.5	99.2	60	125	

Sample Report

File Name 088SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:53:25

Sample Name **460-299939-f-3-b ms**

Comment ---

Dilution **1.0000**

Vial # 2507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.438	ug/l	1.8	2000	
B	11	6	No Gas	455.128	ug/l	0.6	2000	
Na	23	45	He	180017.166	ug/l	5.8	500000	
Mg	24	45	He	6117.741	ug/l	7.8	500000	
Al	27	45	He	2282.267	ug/l	7.8	500000	
K	39	45	He	5490.327	ug/l	3.6	500000	
Ca	40	45	H2	35862.701	ug/l	0.8	1000000	
Ti	47	45	No Gas	44.913	ug/l	1.3	10000	
V	51	45	He	44.056	ug/l	9.1	5000	
Cr	52	45	He	41.870	ug/l	7.7	20000	
Mn	55	45	He	219.109	ug/l	7.6	20000	
Fe	56	45	H2	2356.294	ug/l	0.6	500000	
Co	59	45	He	22.602	ug/l	8.5	2000	
Ni	60	45	He	44.823	ug/l	9.2	20000	
Cu	63	45	He	43.223	ug/l	7.1	20000	
Zn	66	45	He	230.913	ug/l	7.9	20000	
As	75	45	He	45.694	ug/l	6.0	5000	
Se	78	45	H2	45.121	ug/l	0.8	3000	
Sr	88	115	He	177.996	ug/l	7.4	5000	
Mo	95	115	He	43.433	ug/l	7.0	2000	
Ag	107	115	He	21.969	ug/l	7.5	1000	
Cd	111	115	He	22.634	ug/l	5.6	5000	
Sn	118	115	He	43.945	ug/l	6.3	2000	
Sb	121	115	He	23.939	ug/l	5.9	1000	
Ba	137	159	He	71.038	ug/l	8.2	20000	
Tl	205	209	He	17.946	ug/l	5.3	1000	
[Pb]	206	209	He	22.185	ug/l	7.2		
[Pb]	207	209	He	22.180	ug/l	6.8		
Pb	208	209	He	22.303	ug/l	7.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11071878.17	0.5	95.0	60	125	
Sc (ISICPMS)	45	No Gas	9860038.40	1.1	97.6	60	125	
Sc (ISICPMS)	45	H2	3387835.47	0.2	97.2	60	125	
Sc (ISICPMS)	45	He	126230.13	0.8	98.3	60	125	
Ge (IS)	74	H2	678956.88	0.5	101.1	60	125	
Ge (IS)	74	He	68842.12	0.6	105.4	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157362.57	0.8	98.3	60	125	
Tb (IS)	159	He	944181.32	1.8	101.1	60	125	
Bi (IS)	209	He	784619.08	0.7	98.4	60	125	

Sample Report

File Name 089SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:55:48

Sample Name **460-299939-f-3-c msd**

Comment ---

Dilution **1.0000**

Vial # 2508

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	21.476	ug/l	1.9	2000	
B	11	6	No Gas	449.954	ug/l	0.1	2000	
Na	23	45	He	188487.828	ug/l	0.9	500000	
Mg	24	45	He	6482.445	ug/l	0.8	500000	
Al	27	45	He	2400.777	ug/l	1.2	500000	
K	39	45	He	5648.943	ug/l	1.2	500000	
Ca	40	45	H2	35915.711	ug/l	0.8	1000000	
Ti	47	45	No Gas	43.794	ug/l	2.6	10000	
V	51	45	He	45.338	ug/l	2.0	5000	
Cr	52	45	He	43.396	ug/l	2.7	20000	
Mn	55	45	He	225.085	ug/l	1.6	20000	
Fe	56	45	H2	2313.032	ug/l	1.0	500000	
Co	59	45	He	23.117	ug/l	0.8	2000	
Ni	60	45	He	46.452	ug/l	3.4	20000	
Cu	63	45	He	44.642	ug/l	2.2	20000	
Zn	66	45	He	237.338	ug/l	2.2	20000	
As	75	45	He	47.006	ug/l	0.9	5000	
Se	78	45	H2	45.148	ug/l	2.6	3000	
Sr	88	115	He	185.022	ug/l	0.7	5000	
Mo	95	115	He	44.970	ug/l	0.8	2000	
Ag	107	115	He	22.870	ug/l	0.7	1000	
Cd	111	115	He	23.313	ug/l	3.5	5000	
Sn	118	115	He	45.377	ug/l	0.7	2000	
Sb	121	115	He	24.853	ug/l	1.4	1000	
Ba	137	159	He	72.837	ug/l	2.8	20000	
Tl	205	209	He	17.988	ug/l	0.8	1000	
[Pb]	206	209	He	22.849	ug/l	0.3		
[Pb]	207	209	He	22.428	ug/l	1.7		
Pb	208	209	He	22.686	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11154240.25	0.4	95.7	60	125	
Sc (ISICPMS)	45	No Gas	9748450.69	1.6	96.5	60	125	
Sc (ISICPMS)	45	H2	3382169.50	0.7	97.0	60	125	
Sc (ISICPMS)	45	He	124168.53	0.6	96.7	60	125	
Ge (IS)	74	H2	677615.31	0.6	100.9	60	125	
Ge (IS)	74	He	68741.19	1.4	105.2	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156775.77	1.2	97.9	60	125	
Tb (IS)	159	He	929225.63	0.8	99.5	60	125	
Bi (IS)	209	He	780896.40	0.9	97.9	60	125	

Sample Report

File Name 090SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 17:58:13

Sample Name **mb 460-964833/1-a**

Comment ---

Dilution **1.0000**

Vial # 3501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	323.6	2000	
B	11	6	No Gas	7.134	ug/l	2.4	2000	
Na	23	45	He	56.824	ug/l	11.7	500000	
Mg	24	45	He	0.677	ug/l	42.3	500000	
Al	27	45	He	-1.441	ug/l	N/A	500000	
K	39	45	He	85.970	ug/l	115.4	500000	
Ca	40	45	H2	3.436	ug/l	16.4	1000000	
Ti	47	45	No Gas	0.254	ug/l	49.9	10000	
V	51	45	He	0.086	ug/l	156.0	5000	
Cr	52	45	He	-0.227	ug/l	N/A	20000	
Mn	55	45	He	0.086	ug/l	68.5	20000	
Fe	56	45	H2	1.387	ug/l	40.5	500000	
Co	59	45	He	0.004	ug/l	173.2	2000	
Ni	60	45	He	-0.034	ug/l	N/A	20000	
Cu	63	45	He	-0.504	ug/l	N/A	20000	
Zn	66	45	He	0.804	ug/l	34.3	20000	
As	75	45	He	0.054	ug/l	162.9	5000	
Se	78	45	H2	0.160	ug/l	83.5	3000	
Sr	88	115	He	0.011	ug/l	257.4	5000	
Mo	95	115	He	0.418	ug/l	2.1	2000	
Ag	107	115	He	0.002	ug/l	26.4	1000	
Cd	111	115	He	0.004	ug/l	173.2	5000	
Sn	118	115	He	0.417	ug/l	33.7	2000	
Sb	121	115	He	-0.032	ug/l	N/A	1000	
Ba	137	159	He	0.007	ug/l	435.9	20000	
Tl	205	209	He	-0.170	ug/l	N/A	1000	
[Pb]	206	209	He	0.002	ug/l	1152.8		
[Pb]	207	209	He	0.019	ug/l	75.4		
Pb	208	209	He	0.013	ug/l	52.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11208770.81	0.3	96.2	60	125	
Sc (ISICPMS)	45	No Gas	9613980.20	0.4	95.2	60	125	
Sc (ISICPMS)	45	H2	3348073.87	1.0	96.0	60	125	
Sc (ISICPMS)	45	He	122750.88	2.5	95.6	60	125	
Ge (IS)	74	H2	653692.77	0.5	97.3	60	125	
Ge (IS)	74	He	65935.35	2.1	100.9	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158858.80	2.1	99.2	60	125	
Tb (IS)	159	He	928274.64	1.0	99.4	60	125	
Bi (IS)	209	He	806074.21	1.1	101.1	60	125	

Sample Report

File Name 091SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:00:37

Sample Name **lcssrm 460-964590/2-a@3**

Comment ---

Dilution **1.0000**

Vial # 3502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	524.601	ug/l	1.1	2000	
B	11	6	No Gas	790.671	ug/l	0.5	2000	
Na	23	45	He	1741.988	ug/l	2.0	500000	
Mg	24	45	He	5756.094	ug/l	1.7	500000	
Al	27	45	He	21135.607	ug/l	2.3	500000	
K	39	45	He	4315.890	ug/l	3.9	500000	
Ca	40	45	H2	17574.856	ug/l	0.9	1000000	
Ti	47	45	No Gas	1033.024	ug/l	0.5	10000	
V	51	45	He	347.987	ug/l	1.1	5000	
Cr	52	45	He	610.003	ug/l	2.1	20000	
Mn	55	45	He	1803.071	ug/l	1.9	20000	
Fe	56	45	H2	21838.865	ug/l	1.1	500000	
Co	59	45	He	277.872	ug/l	1.9	2000	
Ni	60	45	He	1065.303	ug/l	1.3	20000	
Cu	63	45	He	663.050	ug/l	1.8	20000	
Zn	66	45	He	590.530	ug/l	2.9	20000	
As	75	45	He	1067.672	ug/l	1.2	5000	
Se	78	45	H2	572.501	ug/l	0.6	3000	
Sr	88	115	He	441.649	ug/l	1.4	5000	
Mo	95	115	He	450.786	ug/l	2.5	2000	
Ag	107	115	He	284.643	ug/l	1.3	1000	
Cd	111	115	He	718.942	ug/l	2.3	5000	
Sn	118	115	He	263.400	ug/l	1.8	2000	
Sb	121	115	He	261.335	ug/l	2.0	1000	
Ba	137	159	He	988.834	ug/l	0.3	20000	
Tl	205	209	He	685.700	ug/l	1.2	1000	
[Pb]	206	209	He	324.999	ug/l	0.5		
[Pb]	207	209	He	312.028	ug/l	0.2		
Pb	208	209	He	315.475	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11567398.02	1.0	99.3	60	125	
Sc (ISICPMS)	45	No Gas	9725044.92	0.6	96.3	60	125	
Sc (ISICPMS)	45	H2	3388340.33	1.0	97.2	60	125	
Sc (ISICPMS)	45	He	122739.72	2.4	95.6	60	125	
Ge (IS)	74	H2	688346.48	1.0	102.5	60	125	
Ge (IS)	74	He	68650.91	1.3	105.1	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155285.16	2.9	97.0	60	125	
Tb (IS)	159	He	933935.12	1.2	100.0	60	125	
Bi (IS)	209	He	790210.77	1.4	99.1	60	125	

Sample Report

File Name 092SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:03:02

Sample Name **460-299927-j-6-a@10**

Comment ---

Dilution **1.0000**

Vial # 3503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.037	ug/l	10.8	2000	
B	11	6	No Gas	279.606	ug/l	1.3	2000	
Na	23	45	He	339209.600	ug/l	0.3	500000	
Mg	24	45	He	43415.719	ug/l	0.4	500000	
Al	27	45	He	5.902	ug/l	24.0	500000	
K	39	45	He	15453.849	ug/l	0.8	500000	
Ca	40	45	H2	24416.859	ug/l	1.8	1000000	
Ti	47	45	No Gas	1.222	ug/l	10.1	10000	
V	51	45	He	3.985	ug/l	4.6	5000	
Cr	52	45	He	0.840	ug/l	14.3	20000	
Mn	55	45	He	24.103	ug/l	1.4	20000	
Fe	56	45	H2	1597.023	ug/l	1.9	500000	
Co	59	45	He	0.272	ug/l	3.9	2000	
Ni	60	45	He	1.619	ug/l	12.1	20000	
Cu	63	45	He	-0.316	ug/l	N/A	20000	
Zn	66	45	He	1.322	ug/l	25.4	20000	
As	75	45	He	0.406	ug/l	22.1	5000	
Se	78	45	H2	0.731	ug/l	13.7	3000	
Sr	88	115	He	336.401	ug/l	0.8	5000	
Mo	95	115	He	0.444	ug/l	8.7	2000	
Ag	107	115	He	0.005	ug/l	10.2	1000	
Cd	111	115	He	0.019	ug/l	115.4	5000	
Sn	118	115	He	0.251	ug/l	55.5	2000	
Sb	121	115	He	0.014	ug/l	248.3	1000	
Ba	137	159	He	238.081	ug/l	0.4	20000	
Tl	205	209	He	-0.038	ug/l	N/A	1000	
[Pb]	206	209	He	0.139	ug/l	6.5		
[Pb]	207	209	He	0.159	ug/l	10.8		
Pb	208	209	He	0.143	ug/l	9.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10894034.70	1.2	93.5	60	125	
Sc (ISICPMS)	45	No Gas	9528569.93	1.7	94.3	60	125	
Sc (ISICPMS)	45	H2	3303364.98	1.6	94.7	60	125	
Sc (ISICPMS)	45	He	122417.52	1.7	95.4	60	125	
Ge (IS)	74	H2	668996.78	1.3	99.6	60	125	
Ge (IS)	74	He	67754.34	2.7	103.7	60	125	
Kr	83	He	13.35	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154223.98	1.6	96.3	60	125	
Tb (IS)	159	He	916426.12	1.3	98.1	60	125	
Bi (IS)	209	He	757300.41	1.5	95.0	60	125	

Sample Report

File Name 093SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:05:26

Sample Name **460-299927-j-9-a@2**

Comment ---

Dilution **1.0000**

Vial # 3504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	64.9	2000	
B	11	6	No Gas	368.019	ug/l	0.6	2000	
Na	23	45	He	371828.136	ug/l	0.7	500000	
Mg	24	45	He	18889.195	ug/l	1.1	500000	
Al	27	45	He	11.949	ug/l	10.6	500000	
K	39	45	He	8069.273	ug/l	1.8	500000	
Ca	40	45	H2	102879.845	ug/l	1.1	1000000	
Ti	47	45	No Gas	2.012	ug/l	5.3	10000	
V	51	45	He	0.706	ug/l	17.7	5000	
Cr	52	45	He	1.355	ug/l	19.8	20000	
Mn	55	45	He	324.798	ug/l	1.1	20000	
Fe	56	45	H2	8589.515	ug/l	0.3	500000	
Co	59	45	He	0.372	ug/l	7.1	2000	
Ni	60	45	He	0.834	ug/l	14.2	20000	
Cu	63	45	He	0.068	ug/l	75.4	20000	
Zn	66	45	He	5.911	ug/l	11.5	20000	
As	75	45	He	0.462	ug/l	44.7	5000	
Se	78	45	H2	0.400	ug/l	24.6	3000	
Sr	88	115	He	743.760	ug/l	0.8	5000	
Mo	95	115	He	0.416	ug/l	27.6	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.094	ug/l	51.4	5000	
Sn	118	115	He	0.209	ug/l	56.1	2000	
Sb	121	115	He	0.060	ug/l	93.3	1000	
Ba	137	159	He	654.056	ug/l	0.4	20000	
Tl	205	209	He	-0.122	ug/l	N/A	1000	
[Pb]	206	209	He	0.302	ug/l	2.6		
[Pb]	207	209	He	0.323	ug/l	13.2		
Pb	208	209	He	0.308	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10926464.70	0.2	93.8	60	125	
Sc (ISICPMS)	45	No Gas	9560134.09	0.2	94.6	60	125	
Sc (ISICPMS)	45	H2	3292763.46	0.9	94.4	60	125	
Sc (ISICPMS)	45	He	120852.89	2.2	94.1	60	125	
Ge (IS)	74	H2	671905.66	0.6	100.0	60	125	
Ge (IS)	74	He	67452.87	2.0	103.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150922.48	1.9	94.2	60	125	
Tb (IS)	159	He	901559.14	0.9	96.5	60	125	
Bi (IS)	209	He	747342.51	1.3	93.7	60	125	

Continuing Calibration Verification (CCV)

File Name 094_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:07:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.872	ug/l	1.1	100	90	110	
B	11	6	No Gas	250.775	ug/l	1.1	250	225	275	
Na	23	45	He	25400.166	ug/l	1.6	25000	22500	27500	
Mg	24	45	He	25564.449	ug/l	2.2	25000	22500	27500	
Al	27	45	He	25551.301	ug/l	1.1	25000	22500	27500	
K	39	45	He	25157.888	ug/l	1.2	25000	22500	27500	
Ca	40	45	H2	24776.787	ug/l	2.1	25000	22500	27500	
Ti	47	45	No Gas	100.305	ug/l	0.7	100	90	110	
V	51	45	He	100.060	ug/l	1.5	100	90	110	
Cr	52	45	He	100.200	ug/l	0.9	100	90	110	
Mn	55	45	He	100.390	ug/l	0.5	100	90	110	
Fe	56	45	H2	24783.230	ug/l	2.0	25000	22500	27500	
Co	59	45	He	101.040	ug/l	1.1	100	90	110	
Ni	60	45	He	100.418	ug/l	1.4	100	90	110	
Cu	63	45	He	99.148	ug/l	0.9	100	90	110	
Zn	66	45	He	253.014	ug/l	1.3	250	225	275	
As	75	45	He	98.683	ug/l	1.3	100	90	110	
Se	78	45	H2	98.086	ug/l	1.8	100	90	110	
Sr	88	115	He	97.882	ug/l	1.7	100	90	110	
Mo	95	115	He	98.013	ug/l	2.5	100	90	110	
Ag	107	115	He	50.216	ug/l	0.4	50	45	55	
Cd	111	115	He	98.743	ug/l	1.9	100	90	110	
Sn	118	115	He	101.101	ug/l	1.0	100	90	110	
Sb	121	115	He	100.295	ug/l	1.8	100	90	110	
Ba	137	159	He	98.235	ug/l	2.7	100	90	110	
Tl	205	209	He	100.756	ug/l	0.3	100	90	110	
[Pb]	206	209	He	99.194	ug/l	1.0				
[Pb]	207	209	He	98.965	ug/l	0.6				
Pb	208	209	He	99.133	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11285094.69	0.8	96.9	60	125	
Sc (ISICPMS)	45	No Gas	9548662.29	0.7	94.5	60	125	
Sc (ISICPMS)	45	H2	3333880.19	1.9	95.6	60	125	
Sc (ISICPMS)	45	He	123042.16	2.5	95.8	60	125	
Ge (IS)	74	H2	665649.00	2.0	99.1	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67704.02	1.6	103.6	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	156485.49	1.0	97.7	60	125	
Tb (IS)	159	He	922735.74	1.6	98.8	60	125	
Bi (IS)	209	He	784193.36	1.7	98.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 095_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:10:13

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	20.7	0.8	-0.8	0.8	
B	11	6	No Gas	6.912	ug/l	2.5	40	-40	40	
Na	23	45	He	47.674	ug/l	10.8	500	-500	500	
Mg	24	45	He	1.924	ug/l	33.8	200	-200	200	
Al	27	45	He	1.104	ug/l	63.9	40	-40	40	
K	39	45	He	65.415	ug/l	138.3	200	-200	200	
Ca	40	45	H2	7.265	ug/l	16.7	500	-500	500	
Ti	47	45	No Gas	0.099	ug/l	138.4	4	-4	4	
V	51	45	He	-0.002	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.211	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.008	ug/l	997.2	8	-8	8	
Fe	56	45	H2	2.934	ug/l	12.7	60	-60	60	
Co	59	45	He	-0.003	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.009	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.430	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.039	ug/l	47.8	16	-16	16	
As	75	45	He	0.159	ug/l	107.0	2	-2	2	
Se	78	45	H2	0.250	ug/l	19.8	2.5	-2.5	2.5	
Sr	88	115	He	0.011	ug/l	392.0	4	-4	4	
Mo	95	115	He	0.207	ug/l	19.4	4	-4	4	
Ag	107	115	He	0.005	ug/l	21.4	2	-2	2	
Cd	111	115	He	0.009	ug/l	86.6	2	-2	2	
Sn	118	115	He	0.049	ug/l	89.3	16	-16	16	
Sb	121	115	He	-0.045	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.000	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.113	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.035	ug/l	58.2				
[Pb]	207	209	He	0.019	ug/l	75.4				
Pb	208	209	He	0.021	ug/l	43.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11237503.72	1.3	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9722854.44	0.8	96.2	60	125	
Sc (ISICPMS)	45	H2	3333076.02	0.6	95.6	60	125	
Sc (ISICPMS)	45	He	123078.20	1.8	95.9	60	125	
Ge (IS)	74	H2	651256.75	0.1	97.0	60	125	
Ge (IS)	74	He	65738.77	2.3	100.6	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	159944.57	1.9	99.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	932894.34	0.7	99.9	60	125	
Bi (IS)	209	He	805398.57	0.7	101.0	60	125	

Sample Report

File Name 096SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:12:38

Sample Name **460-296691-d-5-a@2**

Comment ---

Dilution **1.0000**

Vial # 3505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.252	ug/l	2.2	2000	
B	11	6	No Gas	26.640	ug/l	1.5	2000	
Na	23	45	He	451.877	ug/l	2.0	500000	
Mg	24	45	He	199754.179	ug/l	0.9	500000	
Al	27	45	He	40508.316	ug/l	0.7	500000	
K	39	45	He	3747.048	ug/l	2.2	500000	
Ca	40	45	H2	636768.642	ug/l	0.4	1000000	
Ti	47	45	No Gas	991.989	ug/l	1.2	10000	
V	51	45	He	98.151	ug/l	0.4	5000	
Cr	52	45	He	59.221	ug/l	1.3	20000	
Mn	55	45	He	4657.594	ug/l	0.6	20000	
Fe	56	45	H2	104001.226	ug/l	0.3	500000	
Co	59	45	He	34.055	ug/l	1.0	2000	
Ni	60	45	He	75.037	ug/l	0.2	20000	
Cu	63	45	He	130.814	ug/l	1.0	20000	
Zn	66	45	He	1169.339	ug/l	0.3	20000	
As	75	45	He	77.862	ug/l	3.3	5000	
Se	78	45	H2	0.917	ug/l	10.4	3000	
Sr	88	115	He	1019.924	ug/l	0.4	5000	
Mo	95	115	He	4.983	ug/l	3.4	2000	
Ag	107	115	He	1.559	ug/l	0.8	1000	
Cd	111	115	He	6.404	ug/l	8.4	5000	
Sn	118	115	He	13.136	ug/l	2.2	2000	
Sb	121	115	He	9.169	ug/l	3.0	1000	
Ba	137	159	He	327.148	ug/l	1.5	20000	
Tl	205	209	He	0.422	ug/l	0.9	1000	
[Pb]	206	209	He	149.986	ug/l	0.5		
[Pb]	207	209	He	141.513	ug/l	1.2		
Pb	208	209	He	143.371	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10872489.98	0.6	93.3	60	125	
Sc (ISICPMS)	45	No Gas	9540975.34	0.9	94.4	60	125	
Sc (ISICPMS)	45	H2	3446895.22	0.6	98.9	60	125	
Sc (ISICPMS)	45	He	126227.12	1.8	98.3	60	125	
Ge (IS)	74	H2	668569.30	0.8	99.5	60	125	
Ge (IS)	74	He	68452.37	2.1	104.8	60	125	
Kr	83	He	56.72	36.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155527.96	2.5	97.1	60	125	
Tb (IS)	159	He	930669.00	1.5	99.6	60	125	
Bi (IS)	209	He	765930.74	2.2	96.1	60	125	

Sample Report

File Name 097SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:15:04

Sample Name **460-296691-d-7-a@5**

Comment ---

Dilution **1.0000**

Vial # 3506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.601	ug/l	2.5	2000	
B	11	6	No Gas	10.209	ug/l	0.8	2000	
Na	23	45	He	115.214	ug/l	8.5	500000	
Mg	24	45	He	50992.009	ug/l	1.4	500000	
Al	27	45	He	6119.548	ug/l	1.1	500000	
K	39	45	He	955.913	ug/l	9.4	500000	
Ca	40	45	H2	540524.285	ug/l	1.0	1000000	
Ti	47	45	No Gas	221.962	ug/l	1.6	10000	
V	51	45	He	19.845	ug/l	1.9	5000	
Cr	52	45	He	20.158	ug/l	2.0	20000	
Mn	55	45	He	544.112	ug/l	0.7	20000	
Fe	56	45	H2	36728.947	ug/l	1.5	500000	
Co	59	45	He	6.585	ug/l	2.6	2000	
Ni	60	45	He	17.413	ug/l	2.3	20000	
Cu	63	45	He	27.895	ug/l	1.7	20000	
Zn	66	45	He	217.513	ug/l	1.0	20000	
As	75	45	He	14.158	ug/l	2.9	5000	
Se	78	45	H2	0.359	ug/l	15.0	3000	
Sr	88	115	He	895.029	ug/l	0.2	5000	
Mo	95	115	He	1.321	ug/l	7.4	2000	
Ag	107	115	He	0.203	ug/l	5.9	1000	
Cd	111	115	He	1.291	ug/l	8.4	5000	
Sn	118	115	He	4.861	ug/l	6.3	2000	
Sb	121	115	He	2.750	ug/l	4.5	1000	
Ba	137	159	He	61.623	ug/l	1.2	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	39.848	ug/l	0.9		
[Pb]	207	209	He	38.567	ug/l	1.6		
Pb	208	209	He	38.907	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11266471.64	0.9	96.7	60	125	
Sc (ISICPMS)	45	No Gas	10015927.28	1.2	99.1	60	125	
Sc (ISICPMS)	45	H2	3605138.59	1.2	103.4	60	125	
Sc (ISICPMS)	45	He	132070.63	2.1	102.9	60	125	
Ge (IS)	74	H2	710370.02	1.3	105.8	60	125	
Ge (IS)	74	He	73159.70	1.5	112.0	60	125	
Kr	83	He	13.35	114.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	167650.71	2.2	104.7	60	125	
Tb (IS)	159	He	959641.32	1.4	102.7	60	125	
Bi (IS)	209	He	804016.91	1.3	100.8	60	125	

Sample Report

File Name 098SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:17:30

Sample Name **460-299794-g-2-a**

Comment ---

Dilution **1.0000**

Vial # 3507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	67.6	2000	
B	11	6	No Gas	16.665	ug/l	2.3	2000	
Na	23	45	He	1218.232	ug/l	0.7	500000	
Mg	24	45	He	37.654	ug/l	10.8	500000	
Al	27	45	He	48.629	ug/l	5.1	500000	
K	39	45	He	116.168	ug/l	93.9	500000	
Ca	40	45	H2	499.333	ug/l	2.6	1000000	
Ti	47	45	No Gas	1.715	ug/l	10.9	10000	
V	51	45	He	-0.063	ug/l	N/A	5000	
Cr	52	45	He	0.675	ug/l	16.3	20000	
Mn	55	45	He	0.488	ug/l	17.9	20000	
Fe	56	45	H2	24.453	ug/l	2.3	500000	
Co	59	45	He	0.068	ug/l	10.5	2000	
Ni	60	45	He	0.623	ug/l	6.1	20000	
Cu	63	45	He	1.889	ug/l	4.3	20000	
Zn	66	45	He	3.660	ug/l	5.7	20000	
As	75	45	He	0.098	ug/l	51.9	5000	
Se	78	45	H2	0.025	ug/l	124.5	3000	
Sr	88	115	He	0.891	ug/l	10.2	5000	
Mo	95	115	He	0.142	ug/l	24.6	2000	
Ag	107	115	He	0.009	ug/l	50.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.182	ug/l	18.8	2000	
Sb	121	115	He	0.037	ug/l	70.9	1000	
Ba	137	159	He	1.366	ug/l	2.8	20000	
Tl	205	209	He	-0.156	ug/l	N/A	1000	
[Pb]	206	209	He	0.162	ug/l	24.6		
[Pb]	207	209	He	0.174	ug/l	13.7		
Pb	208	209	He	0.175	ug/l	8.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11493148.44	1.4	98.6	60	125	
Sc (ISICPMS)	45	No Gas	10211954.57	0.9	101.1	60	125	
Sc (ISICPMS)	45	H2	3547639.71	2.0	101.7	60	125	
Sc (ISICPMS)	45	He	129688.96	1.0	101.0	60	125	
Ge (IS)	74	H2	737532.34	1.9	109.8	60	125	
Ge (IS)	74	He	73913.36	1.9	113.1	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	166203.17	1.6	103.8	60	125	
Tb (IS)	159	He	961363.93	0.8	102.9	60	125	
Bi (IS)	209	He	828940.61	1.0	104.0	60	125	

Sample Report

File Name 099SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:19:54

Sample Name **SCAN 460-299794-g-2**

Comment ---

Dilution **1.0000**

Vial # 3508

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	42.0	2000	
B	11	6	No Gas	2.906	ug/l	1.6	2000	
Na	23	45	He	1199.850	ug/l	0.1	500000	
Mg	24	45	He	37.915	ug/l	2.9	500000	
Al	27	45	He	43.271	ug/l	3.5	500000	
K	39	45	He	81.708	ug/l	85.9	500000	
Ca	40	45	H2	478.680	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.573	ug/l	26.0	10000	
V	51	45	He	-0.191	ug/l	N/A	5000	
Cr	52	45	He	-1.278	ug/l	N/A	20000	
Mn	55	45	He	0.407	ug/l	9.9	20000	
Fe	56	45	H2	9.605	ug/l	5.5	500000	
Co	59	45	He	0.072	ug/l	5.5	2000	
Ni	60	45	He	-0.066	ug/l	N/A	20000	
Cu	63	45	He	0.072	ug/l	14.1	20000	
Zn	66	45	He	0.477	ug/l	41.2	20000	
As	75	45	He	0.043	ug/l	230.8	5000	
Se	78	45	H2	0.011	ug/l	173.0	3000	
Sr	88	115	He	0.852	ug/l	13.5	5000	
Mo	95	115	He	-0.012	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	2356.1	1000	
Cd	111	115	He	0.009	ug/l	86.6	5000	
Sn	118	115	He	-0.153	ug/l	N/A	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	1.375	ug/l	20.2	20000	
Tl	205	209	He	-0.168	ug/l	N/A	1000	
[Pb]	206	209	He	0.041	ug/l	46.3		
[Pb]	207	209	He	0.070	ug/l	31.9		
Pb	208	209	He	0.050	ug/l	10.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11515726.64	2.2	98.8	60	125	
Sc (ISICPMS)	45	No Gas	10298949.92	0.8	101.9	60	125	
Sc (ISICPMS)	45	H2	3567937.00	0.7	102.3	60	125	
Sc (ISICPMS)	45	He	129107.99	1.1	100.6	60	125	
Ge (IS)	74	H2	719060.21	0.3	107.0	60	125	
Ge (IS)	74	He	72104.18	0.8	110.4	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	167262.95	1.1	104.4	60	125	
Tb (IS)	159	He	963718.40	0.6	103.2	60	125	
Bi (IS)	209	He	837316.47	1.2	105.0	60	125	

Sample Report

File Name 100SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:22:19

Sample Name **mb 460-965493/1-a**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	2.109	ug/l	2.3	2000	
Na	23	45	He	23.252	ug/l	59.8	500000	
Mg	24	45	He	0.955	ug/l	59.7	500000	
Al	27	45	He	0.076	ug/l	935.1	500000	
K	39	45	He	75.066	ug/l	132.1	500000	
Ca	40	45	H2	9.269	ug/l	1.8	1000000	
Ti	47	45	No Gas	0.298	ug/l	29.3	10000	
V	51	45	He	-0.086	ug/l	N/A	5000	
Cr	52	45	He	-0.172	ug/l	N/A	20000	
Mn	55	45	He	0.112	ug/l	117.7	20000	
Fe	56	45	H2	1.091	ug/l	35.0	500000	
Co	59	45	He	-0.006	ug/l	N/A	2000	
Ni	60	45	He	0.045	ug/l	88.7	20000	
Cu	63	45	He	-0.463	ug/l	N/A	20000	
Zn	66	45	He	0.795	ug/l	111.6	20000	
As	75	45	He	0.076	ug/l	122.8	5000	
Se	78	45	H2	0.036	ug/l	261.1	3000	
Sr	88	115	He	0.045	ug/l	108.5	5000	
Mo	95	115	He	0.103	ug/l	34.3	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.013	ug/l	0.8	5000	
Sn	118	115	He	0.111	ug/l	55.4	2000	
Sb	121	115	He	-0.031	ug/l	N/A	1000	
Ba	137	159	He	0.027	ug/l	440.5	20000	
Tl	205	209	He	-0.170	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	342.1		
[Pb]	207	209	He	0.013	ug/l	187.6		
Pb	208	209	He	0.008	ug/l	139.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11101049.00	1.3	95.3	60	125	
Sc (ISICPMS)	45	No Gas	9737217.22	0.4	96.4	60	125	
Sc (ISICPMS)	45	H2	3383821.44	0.9	97.0	60	125	
Sc (ISICPMS)	45	He	123899.06	2.8	96.5	60	125	
Ge (IS)	74	H2	660167.84	1.5	98.3	60	125	
Ge (IS)	74	He	66650.95	2.3	102.0	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160672.13	0.8	100.3	60	125	
Tb (IS)	159	He	934744.28	1.0	100.1	60	125	
Bi (IS)	209	He	810593.05	1.3	101.7	60	125	

Sample Report

File Name 101SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:24:43

Sample Name **lcs 460-965493/2-a**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.912	ug/l	0.8	2000	
B	11	6	No Gas	474.508	ug/l	0.2	2000	
Na	23	45	He	2490.845	ug/l	1.6	500000	
Mg	24	45	He	2477.413	ug/l	2.0	500000	
Al	27	45	He	2456.030	ug/l	1.0	500000	
K	39	45	He	2536.611	ug/l	1.4	500000	
Ca	40	45	H2	2474.357	ug/l	1.6	1000000	
Ti	47	45	No Gas	47.084	ug/l	0.9	10000	
V	51	45	He	46.636	ug/l	2.4	5000	
Cr	52	45	He	47.222	ug/l	1.1	20000	
Mn	55	45	He	239.043	ug/l	2.0	20000	
Fe	56	45	H2	2504.714	ug/l	1.5	500000	
Co	59	45	He	24.259	ug/l	3.0	2000	
Ni	60	45	He	48.572	ug/l	3.1	20000	
Cu	63	45	He	48.175	ug/l	2.5	20000	
Zn	66	45	He	247.464	ug/l	2.0	20000	
As	75	45	He	47.947	ug/l	2.5	5000	
Se	78	45	H2	46.410	ug/l	0.8	3000	
Sr	88	115	He	46.420	ug/l	2.8	5000	
Mo	95	115	He	46.478	ug/l	0.6	2000	
Ag	107	115	He	24.456	ug/l	1.0	1000	
Cd	111	115	He	24.348	ug/l	2.1	5000	
Sn	118	115	He	49.563	ug/l	1.0	2000	
Sb	121	115	He	25.153	ug/l	1.5	1000	
Ba	137	159	He	47.944	ug/l	1.5	20000	
Tl	205	209	He	19.030	ug/l	0.3	1000	
[Pb]	206	209	He	23.771	ug/l	0.4		
[Pb]	207	209	He	23.410	ug/l	0.2		
Pb	208	209	He	23.729	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11196939.56	0.3	96.1	60	125	
Sc (ISICPMS)	45	No Gas	9840158.95	0.3	97.4	60	125	
Sc (ISICPMS)	45	H2	3345567.38	1.4	95.9	60	125	
Sc (ISICPMS)	45	He	123780.89	1.5	96.4	60	125	
Ge (IS)	74	H2	647222.06	1.4	96.4	60	125	
Ge (IS)	74	He	65678.60	1.3	100.5	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156800.89	2.1	97.9	60	125	
Tb (IS)	159	He	922218.19	1.2	98.7	60	125	
Bi (IS)	209	He	798987.95	1.6	100.2	60	125	

Sample Report

File Name 102SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:27:08

Sample Name **PDS 460-300484-j-2-a**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.778	ug/l	1.4	2000	
B	11	6	No Gas	849.049	ug/l	0.7	2000	
Na	23	45	He	234006.321	ug/l	1.3	500000	
Mg	24	45	He	44908.729	ug/l	0.6	500000	
Al	27	45	He	2447.048	ug/l	0.9	500000	
K	39	45	He	41589.622	ug/l	0.1	500000	
Ca	40	45	H2	160406.407	ug/l	0.6	1000000	
Ti	47	45	No Gas	49.989	ug/l	1.8	10000	
V	51	45	He	49.346	ug/l	0.5	5000	
Cr	52	45	He	46.899	ug/l	0.5	20000	
Mn	55	45	He	2140.312	ug/l	0.6	20000	
Fe	56	45	H2	11100.345	ug/l	0.6	500000	
Co	59	45	He	24.503	ug/l	1.4	2000	
Ni	60	45	He	49.795	ug/l	0.9	20000	
Cu	63	45	He	61.444	ug/l	0.9	20000	
Zn	66	45	He	274.327	ug/l	0.8	20000	
As	75	45	He	51.612	ug/l	3.5	5000	
Se	78	45	H2	47.976	ug/l	0.9	3000	
Sr	88	115	He	1167.159	ug/l	1.6	5000	
Mo	95	115	He	55.636	ug/l	0.8	2000	
Ag	107	115	He	23.815	ug/l	1.6	1000	
Cd	111	115	He	23.818	ug/l	0.5	5000	
Sn	118	115	He	49.974	ug/l	0.5	2000	
Sb	121	115	He	26.333	ug/l	2.7	1000	
Ba	137	159	He	143.121	ug/l	2.4	20000	
Tl	205	209	He	19.209	ug/l	0.4	1000	
[Pb]	206	209	He	26.464	ug/l	0.5		
[Pb]	207	209	He	26.415	ug/l	1.3		
Pb	208	209	He	26.424	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10902711.36	1.3	93.6	60	125	
Sc (ISICPMS)	45	No Gas	9584971.11	1.5	94.9	60	125	
Sc (ISICPMS)	45	H2	3343578.94	0.8	95.9	60	125	
Sc (ISICPMS)	45	He	120333.98	2.1	93.7	60	125	
Ge (IS)	74	H2	682281.20	0.2	101.6	60	125	
Ge (IS)	74	He	69632.70	3.0	106.6	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152700.23	2.2	95.4	60	125	
Tb (IS)	159	He	915006.49	0.9	98.0	60	125	
Bi (IS)	209	He	763670.98	0.7	95.8	60	125	

Sample Report

File Name 103SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:29:32

Sample Name **460-300484-j-2-d msd**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.320	ug/l	1.0	2000	
B	11	6	No Gas	846.157	ug/l	0.5	2000	
Na	23	45	He	229246.639	ug/l	2.1	500000	
Mg	24	45	He	43758.843	ug/l	2.1	500000	
Al	27	45	He	2387.536	ug/l	1.9	500000	
K	39	45	He	40603.792	ug/l	2.1	500000	
Ca	40	45	H2	157864.879	ug/l	0.6	1000000	
Ti	47	45	No Gas	50.342	ug/l	1.0	10000	
V	51	45	He	48.459	ug/l	1.1	5000	
Cr	52	45	He	46.471	ug/l	2.8	20000	
Mn	55	45	He	2109.398	ug/l	1.9	20000	
Fe	56	45	H2	10968.576	ug/l	1.1	500000	
Co	59	45	He	23.997	ug/l	0.4	2000	
Ni	60	45	He	48.812	ug/l	3.0	20000	
Cu	63	45	He	61.005	ug/l	1.6	20000	
Zn	66	45	He	269.604	ug/l	2.2	20000	
As	75	45	He	51.408	ug/l	0.9	5000	
Se	78	45	H2	47.023	ug/l	2.7	3000	
Sr	88	115	He	1143.757	ug/l	1.7	5000	
Mo	95	115	He	55.452	ug/l	2.6	2000	
Ag	107	115	He	23.444	ug/l	1.4	1000	
Cd	111	115	He	23.521	ug/l	1.8	5000	
Sn	118	115	He	49.096	ug/l	1.9	2000	
Sb	121	115	He	26.456	ug/l	1.6	1000	
Ba	137	159	He	142.743	ug/l	0.9	20000	
Tl	205	209	He	19.036	ug/l	0.5	1000	
[Pb]	206	209	He	26.290	ug/l	1.2		
[Pb]	207	209	He	25.883	ug/l	0.3		
Pb	208	209	He	26.019	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10987591.50	1.7	94.3	60	125	
Sc (ISICPMS)	45	No Gas	9578355.97	1.1	94.8	60	125	
Sc (ISICPMS)	45	H2	3381275.61	1.0	97.0	60	125	
Sc (ISICPMS)	45	He	121688.94	3.3	94.8	60	125	
Ge (IS)	74	H2	693651.34	0.9	103.3	60	125	
Ge (IS)	74	He	69941.89	1.7	107.1	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154558.79	2.4	96.5	60	125	
Tb (IS)	159	He	919637.26	1.9	98.5	60	125	
Bi (IS)	209	He	762740.75	1.7	95.7	60	125	

Sample Report

File Name 104SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:31:58

Sample Name **460-300484-j-2-c ms**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.777	ug/l	1.9	2000	
B	11	6	No Gas	844.789	ug/l	0.6	2000	
Na	23	45	He	228399.930	ug/l	1.2	500000	
Mg	24	45	He	43649.875	ug/l	0.5	500000	
Al	27	45	He	2426.956	ug/l	2.5	500000	
K	39	45	He	40672.175	ug/l	0.4	500000	
Ca	40	45	H2	158107.989	ug/l	0.8	1000000	
Ti	47	45	No Gas	48.620	ug/l	1.9	10000	
V	51	45	He	48.549	ug/l	0.5	5000	
Cr	52	45	He	46.959	ug/l	1.5	20000	
Mn	55	45	He	2096.277	ug/l	0.3	20000	
Fe	56	45	H2	10961.369	ug/l	0.7	500000	
Co	59	45	He	24.281	ug/l	0.9	2000	
Ni	60	45	He	49.640	ug/l	1.3	20000	
Cu	63	45	He	60.907	ug/l	0.7	20000	
Zn	66	45	He	268.763	ug/l	1.5	20000	
As	75	45	He	51.586	ug/l	1.5	5000	
Se	78	45	H2	47.887	ug/l	2.6	3000	
Sr	88	115	He	1144.187	ug/l	0.9	5000	
Mo	95	115	He	56.323	ug/l	1.1	2000	
Ag	107	115	He	23.652	ug/l	1.3	1000	
Cd	111	115	He	24.016	ug/l	3.3	5000	
Sn	118	115	He	48.741	ug/l	0.7	2000	
Sb	121	115	He	26.550	ug/l	1.1	1000	
Ba	137	159	He	140.111	ug/l	1.6	20000	
Tl	205	209	He	19.113	ug/l	0.3	1000	
[Pb]	206	209	He	26.146	ug/l	1.4		
[Pb]	207	209	He	25.802	ug/l	0.8		
Pb	208	209	He	26.123	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10756677.48	0.3	92.3	60	125	
Sc (ISICPMS)	45	No Gas	9642299.72	1.4	95.4	60	125	
Sc (ISICPMS)	45	H2	3371005.89	0.9	96.7	60	125	
Sc (ISICPMS)	45	He	121765.61	1.4	94.8	60	125	
Ge (IS)	74	H2	686055.38	0.2	102.1	60	125	
Ge (IS)	74	He	69083.13	2.9	105.8	60	125	
Kr	83	He	10.01	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154593.81	2.1	96.5	60	125	
Tb (IS)	159	He	924255.91	1.1	98.9	60	125	
Bi (IS)	209	He	764680.50	1.9	95.9	60	125	

Sample Report

File Name 105SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:34:23

Sample Name **460-300484-j-2-b du**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	9.6	2000	
B	11	6	No Gas	376.989	ug/l	0.6	2000	
Na	23	45	He	225571.677	ug/l	1.0	500000	
Mg	24	45	He	41317.991	ug/l	0.9	500000	
Al	27	45	He	14.133	ug/l	3.3	500000	
K	39	45	He	38253.916	ug/l	0.5	500000	
Ca	40	45	H2	156183.081	ug/l	0.3	1000000	
Ti	47	45	No Gas	3.218	ug/l	5.5	10000	
V	51	45	He	1.002	ug/l	15.8	5000	
Cr	52	45	He	-0.421	ug/l	N/A	20000	
Mn	55	45	He	1862.444	ug/l	0.6	20000	
Fe	56	45	H2	8561.194	ug/l	1.3	500000	
Co	59	45	He	0.500	ug/l	7.0	2000	
Ni	60	45	He	2.489	ug/l	8.3	20000	
Cu	63	45	He	14.937	ug/l	1.0	20000	
Zn	66	45	He	26.899	ug/l	1.4	20000	
As	75	45	He	3.787	ug/l	13.4	5000	
Se	78	45	H2	0.671	ug/l	9.3	3000	
Sr	88	115	He	1107.806	ug/l	0.4	5000	
Mo	95	115	He	8.740	ug/l	0.3	2000	
Ag	107	115	He	0.109	ug/l	21.7	1000	
Cd	111	115	He	0.087	ug/l	18.8	5000	
Sn	118	115	He	1.577	ug/l	11.1	2000	
Sb	121	115	He	0.741	ug/l	16.9	1000	
Ba	137	159	He	96.027	ug/l	2.2	20000	
Tl	205	209	He	-0.160	ug/l	N/A	1000	
[Pb]	206	209	He	2.440	ug/l	4.7		
[Pb]	207	209	He	2.413	ug/l	0.9		
Pb	208	209	He	2.442	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10797731.51	0.6	92.7	60	125	
Sc (ISICPMS)	45	No Gas	9585679.79	0.9	94.9	60	125	
Sc (ISICPMS)	45	H2	3384504.74	0.4	97.1	60	125	
Sc (ISICPMS)	45	He	122796.85	1.7	95.6	60	125	
Ge (IS)	74	H2	690206.05	0.8	102.8	60	125	
Ge (IS)	74	He	69148.96	2.1	105.9	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154751.49	1.6	96.6	60	125	
Tb (IS)	159	He	921089.23	1.4	98.6	60	125	
Bi (IS)	209	He	768043.01	1.7	96.3	60	125	

Continuing Calibration Verification (CCV)

File Name 106_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:36:48

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.447	ug/l	1.1	100	90	110	
B	11	6	No Gas	253.160	ug/l	0.4	250	225	275	
Na	23	45	He	25354.090	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25135.810	ug/l	0.8	25000	22500	27500	
Al	27	45	He	25186.021	ug/l	0.9	25000	22500	27500	
K	39	45	He	25151.495	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	24909.376	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	100.788	ug/l	0.5	100	90	110	
V	51	45	He	99.374	ug/l	0.4	100	90	110	
Cr	52	45	He	100.608	ug/l	0.8	100	90	110	
Mn	55	45	He	101.266	ug/l	1.1	100	90	110	
Fe	56	45	H2	25119.286	ug/l	0.1	25000	22500	27500	
Co	59	45	He	101.031	ug/l	0.8	100	90	110	
Ni	60	45	He	101.493	ug/l	1.2	100	90	110	
Cu	63	45	He	99.128	ug/l	1.2	100	90	110	
Zn	66	45	He	255.596	ug/l	1.9	250	225	275	
As	75	45	He	99.930	ug/l	1.2	100	90	110	
Se	78	45	H2	99.865	ug/l	1.9	100	90	110	
Sr	88	115	He	98.367	ug/l	2.1	100	90	110	
Mo	95	115	He	99.001	ug/l	1.0	100	90	110	
Ag	107	115	He	50.112	ug/l	0.8	50	45	55	
Cd	111	115	He	100.297	ug/l	0.2	100	90	110	
Sn	118	115	He	101.684	ug/l	1.0	100	90	110	
Sb	121	115	He	101.524	ug/l	0.5	100	90	110	
Ba	137	159	He	99.757	ug/l	0.9	100	90	110	
Tl	205	209	He	100.646	ug/l	0.1	100	90	110	
[Pb]	206	209	He	98.942	ug/l	0.3				
[Pb]	207	209	He	99.095	ug/l	0.2				
Pb	208	209	He	99.335	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11217808.72	0.7	96.3	60	125	
Sc (ISICPMS)	45	No Gas	9575011.39	0.5	94.8	60	125	
Sc (ISICPMS)	45	H2	3360079.98	0.7	96.4	60	125	
Sc (ISICPMS)	45	He	124145.11	2.9	96.7	60	125	
Ge (IS)	74	H2	679443.05	1.1	101.1	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68517.78	2.6	104.9	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	158329.99	2.4	98.9	60	125	
Tb (IS)	159	He	936428.11	1.6	100.3	60	125	
Bi (IS)	209	He	795449.21	1.7	99.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 107_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:39:11

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	48.3	0.8	-0.8	0.8	
B	11	6	No Gas	9.204	ug/l	4.0	40	-40	40	
Na	23	45	He	26.543	ug/l	14.4	500	-500	500	
Mg	24	45	He	1.588	ug/l	67.5	200	-200	200	
Al	27	45	He	1.468	ug/l	93.1	40	-40	40	
K	39	45	He	67.621	ug/l	135.9	200	-200	200	
Ca	40	45	H2	10.655	ug/l	2.1	500	-500	500	
Ti	47	45	No Gas	0.007	ug/l	2260.0	4	-4	4	
V	51	45	He	-0.061	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.291	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.188	ug/l	23.5	8	-8	8	
Fe	56	45	H2	3.158	ug/l	15.3	60	-60	60	
Co	59	45	He	0.000	ug/l	3526.1	4	-4	4	
Ni	60	45	He	0.024	ug/l	637.7	4	-4	4	
Cu	63	45	He	-0.482	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.502	ug/l	9.6	16	-16	16	
As	75	45	He	0.153	ug/l	49.9	2	-2	2	
Se	78	45	H2	0.178	ug/l	41.7	2.5	-2.5	2.5	
Sr	88	115	He	0.040	ug/l	29.3	4	-4	4	
Mo	95	115	He	0.148	ug/l	21.5	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.009	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.012	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.008	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.062	ug/l	95.4	4	-4	4	
Tl	205	209	He	-0.138	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.013	ug/l	276.7				
[Pb]	207	209	He	0.019	ug/l	19.9				
Pb	208	209	He	0.009	ug/l	81.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11162914.42	1.2	95.8	60	125	
Sc (ISICPMS)	45	No Gas	9824446.66	0.7	97.2	60	125	
Sc (ISICPMS)	45	H2	3464363.08	0.4	99.4	60	125	
Sc (ISICPMS)	45	He	125424.82	1.5	97.7	60	125	
Ge (IS)	74	H2	676325.53	0.8	100.7	60	125	
Ge (IS)	74	He	67382.40	1.9	103.1	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	162604.44	2.9	101.5	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	954397.46	1.0	102.2	60	125	
Bi (IS)	209	He	821728.73	1.2	103.0	60	125	

Sample Report

File Name 108SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:41:36

Sample Name **460-300484-j-2-a**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	57.9	2000	
B	11	6	No Gas	375.461	ug/l	0.9	2000	
Na	23	45	He	230714.118	ug/l	0.8	500000	
Mg	24	45	He	41855.281	ug/l	1.2	500000	
Al	27	45	He	14.363	ug/l	8.5	500000	
K	39	45	He	39086.257	ug/l	1.2	500000	
Ca	40	45	H2	160244.602	ug/l	0.7	1000000	
Ti	47	45	No Gas	3.477	ug/l	14.9	10000	
V	51	45	He	0.876	ug/l	9.1	5000	
Cr	52	45	He	-0.457	ug/l	N/A	20000	
Mn	55	45	He	1899.411	ug/l	0.9	20000	
Fe	56	45	H2	8860.078	ug/l	1.3	500000	
Co	59	45	He	0.526	ug/l	4.5	2000	
Ni	60	45	He	2.828	ug/l	3.1	20000	
Cu	63	45	He	15.315	ug/l	2.8	20000	
Zn	66	45	He	29.818	ug/l	2.2	20000	
As	75	45	He	3.906	ug/l	4.0	5000	
Se	78	45	H2	0.813	ug/l	20.0	3000	
Sr	88	115	He	1120.274	ug/l	1.0	5000	
Mo	95	115	He	8.950	ug/l	3.2	2000	
Ag	107	115	He	0.091	ug/l	4.9	1000	
Cd	111	115	He	0.086	ug/l	33.3	5000	
Sn	118	115	He	0.299	ug/l	43.2	2000	
Sb	121	115	He	0.686	ug/l	13.9	1000	
Ba	137	159	He	97.810	ug/l	0.9	20000	
Tl	205	209	He	-0.157	ug/l	N/A	1000	
[Pb]	206	209	He	2.736	ug/l	2.1		
[Pb]	207	209	He	2.813	ug/l	3.1		
Pb	208	209	He	2.759	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10781455.40	0.6	92.5	60	125	
Sc (ISICPMS)	45	No Gas	9693667.01	0.3	95.9	60	125	
Sc (ISICPMS)	45	H2	3380855.33	1.0	97.0	60	125	
Sc (ISICPMS)	45	He	123637.77	2.1	96.3	60	125	
Ge (IS)	74	H2	694375.55	1.2	103.4	60	125	
Ge (IS)	74	He	70238.93	1.1	107.5	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156854.59	2.2	97.9	60	125	
Tb (IS)	159	He	933824.47	1.7	100.0	60	125	
Bi (IS)	209	He	774832.33	0.9	97.2	60	125	

Sample Report

File Name 109SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:44:00

Sample Name **SD 460-300484-j-2-a@5**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	161.9	2000	
B	11	6	No Gas	80.180	ug/l	0.8	2000	
Na	23	45	He	45745.470	ug/l	1.0	500000	
Mg	24	45	He	8385.080	ug/l	1.0	500000	
Al	27	45	He	3.014	ug/l	69.0	500000	
K	39	45	He	7869.866	ug/l	1.9	500000	
Ca	40	45	H2	31554.540	ug/l	1.3	1000000	
Ti	47	45	No Gas	0.570	ug/l	3.8	10000	
V	51	45	He	0.122	ug/l	37.2	5000	
Cr	52	45	He	-0.225	ug/l	N/A	20000	
Mn	55	45	He	381.539	ug/l	1.3	20000	
Fe	56	45	H2	1755.429	ug/l	1.4	500000	
Co	59	45	He	0.101	ug/l	30.1	2000	
Ni	60	45	He	0.651	ug/l	13.6	20000	
Cu	63	45	He	2.621	ug/l	1.9	20000	
Zn	66	45	He	6.670	ug/l	8.8	20000	
As	75	45	He	0.806	ug/l	5.4	5000	
Se	78	45	H2	0.227	ug/l	25.3	3000	
Sr	88	115	He	222.494	ug/l	0.3	5000	
Mo	95	115	He	1.862	ug/l	3.1	2000	
Ag	107	115	He	0.025	ug/l	5.1	1000	
Cd	111	115	He	0.018	ug/l	46.4	5000	
Sn	118	115	He	0.136	ug/l	97.8	2000	
Sb	121	115	He	0.122	ug/l	16.3	1000	
Ba	137	159	He	18.518	ug/l	4.0	20000	
Tl	205	209	He	-0.176	ug/l	N/A	1000	
[Pb]	206	209	He	0.532	ug/l	6.2		
[Pb]	207	209	He	0.494	ug/l	6.0		
Pb	208	209	He	0.530	ug/l	3.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11106382.75	0.8	95.3	60	125	
Sc (ISICPMS)	45	No Gas	9849711.17	1.7	97.5	60	125	
Sc (ISICPMS)	45	H2	3440268.25	0.3	98.7	60	125	
Sc (ISICPMS)	45	He	126808.41	2.1	98.8	60	125	
Ge (IS)	74	H2	701965.27	0.5	104.5	60	125	
Ge (IS)	74	He	70718.94	1.9	108.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161229.90	2.6	100.7	60	125	
Tb (IS)	159	He	951804.11	1.5	101.9	60	125	
Bi (IS)	209	He	809070.24	1.6	101.5	60	125	

Sample Report

File Name 110SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:46:25

Sample Name **460-300484-j-1-a**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	23.5	2000	
B	11	6	No Gas	320.203	ug/l	0.7	2000	
Na	23	45	He	105040.411	ug/l	0.3	500000	
Mg	24	45	He	26039.175	ug/l	0.6	500000	
Al	27	45	He	1.780	ug/l	185.3	500000	
K	39	45	He	29808.816	ug/l	0.2	500000	
Ca	40	45	H2	182160.363	ug/l	0.1	1000000	
Ti	47	45	No Gas	2.561	ug/l	15.4	10000	
V	51	45	He	0.402	ug/l	15.5	5000	
Cr	52	45	He	-0.853	ug/l	N/A	20000	
Mn	55	45	He	1475.914	ug/l	0.4	20000	
Fe	56	45	H2	680.338	ug/l	0.3	500000	
Co	59	45	He	6.346	ug/l	3.8	2000	
Ni	60	45	He	5.212	ug/l	2.0	20000	
Cu	63	45	He	0.731	ug/l	17.0	20000	
Zn	66	45	He	22.250	ug/l	6.4	20000	
As	75	45	He	1.608	ug/l	18.0	5000	
Se	78	45	H2	0.274	ug/l	8.2	3000	
Sr	88	115	He	511.026	ug/l	0.5	5000	
Mo	95	115	He	2.230	ug/l	6.4	2000	
Ag	107	115	He	0.004	ug/l	176.2	1000	
Cd	111	115	He	0.080	ug/l	27.9	5000	
Sn	118	115	He	0.046	ug/l	275.9	2000	
Sb	121	115	He	0.420	ug/l	4.9	1000	
Ba	137	159	He	16.619	ug/l	2.1	20000	
Tl	205	209	He	-0.134	ug/l	N/A	1000	
[Pb]	206	209	He	0.243	ug/l	10.4		
[Pb]	207	209	He	0.253	ug/l	14.6		
Pb	208	209	He	0.239	ug/l	1.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10968697.20	1.0	94.1	60	125	
Sc (ISICPMS)	45	No Gas	9839384.92	0.4	97.4	60	125	
Sc (ISICPMS)	45	H2	3433581.93	1.0	98.5	60	125	
Sc (ISICPMS)	45	He	123666.88	0.9	96.3	60	125	
Ge (IS)	74	H2	703112.75	0.8	104.7	60	125	
Ge (IS)	74	He	71719.76	1.6	109.8	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159282.76	2.1	99.5	60	125	
Tb (IS)	159	He	939344.59	0.9	100.6	60	125	
Bi (IS)	209	He	788126.08	1.0	98.8	60	125	

Sample Report

File Name 111SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:48:50

Sample Name **460-300484-j-3-a**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	53.2	2000	
B	11	6	No Gas	245.509	ug/l	0.4	2000	
Na	23	45	He	380184.144	ug/l	0.8	500000	
Mg	24	45	He	29983.683	ug/l	0.7	500000	
Al	27	45	He	89.553	ug/l	7.7	500000	
K	39	45	He	22621.301	ug/l	0.7	500000	
Ca	40	45	H2	93987.006	ug/l	0.5	1000000	
Ti	47	45	No Gas	4.752	ug/l	5.9	10000	
V	51	45	He	2.613	ug/l	1.8	5000	
Cr	52	45	He	0.273	ug/l	61.8	20000	
Mn	55	45	He	804.937	ug/l	0.4	20000	
Fe	56	45	H2	6958.380	ug/l	1.8	500000	
Co	59	45	He	0.242	ug/l	12.9	2000	
Ni	60	45	He	1.932	ug/l	9.1	20000	
Cu	63	45	He	4.929	ug/l	1.1	20000	
Zn	66	45	He	16.241	ug/l	3.2	20000	
As	75	45	He	2.810	ug/l	3.9	5000	
Se	78	45	H2	0.249	ug/l	60.2	3000	
Sr	88	115	He	697.717	ug/l	0.7	5000	
Mo	95	115	He	5.486	ug/l	2.9	2000	
Ag	107	115	He	0.047	ug/l	21.6	1000	
Cd	111	115	He	0.045	ug/l	44.6	5000	
Sn	118	115	He	0.813	ug/l	19.1	2000	
Sb	121	115	He	0.337	ug/l	20.0	1000	
Ba	137	159	He	308.479	ug/l	1.4	20000	
Tl	205	209	He	-0.175	ug/l	N/A	1000	
[Pb]	206	209	He	8.534	ug/l	1.0		
[Pb]	207	209	He	8.271	ug/l	1.0		
Pb	208	209	He	8.416	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10676283.31	0.8	91.6	60	125	
Sc (ISICPMS)	45	No Gas	9765868.12	0.9	96.7	60	125	
Sc (ISICPMS)	45	H2	3410330.88	1.5	97.8	60	125	
Sc (ISICPMS)	45	He	125250.66	1.4	97.6	60	125	
Ge (IS)	74	H2	695549.09	1.7	103.5	60	125	
Ge (IS)	74	He	71040.78	2.3	108.7	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157884.45	1.9	98.6	60	125	
Tb (IS)	159	He	939630.89	1.3	100.6	60	125	
Bi (IS)	209	He	783764.01	0.9	98.3	60	125	

Sample Report

File Name 112SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:51:15

Sample Name **460-300484-j-4-a**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	7.4	2000	
B	11	6	No Gas	215.663	ug/l	0.9	2000	
Na	23	45	He	343212.106	ug/l	0.5	500000	
Mg	24	45	He	25783.582	ug/l	0.6	500000	
Al	27	45	He	57.850	ug/l	20.5	500000	
K	39	45	He	20743.470	ug/l	0.4	500000	
Ca	40	45	H2	87914.598	ug/l	0.8	1000000	
Ti	47	45	No Gas	3.922	ug/l	9.9	10000	
V	51	45	He	2.466	ug/l	2.9	5000	
Cr	52	45	He	0.119	ug/l	65.5	20000	
Mn	55	45	He	729.000	ug/l	1.2	20000	
Fe	56	45	H2	6099.713	ug/l	0.6	500000	
Co	59	45	He	0.202	ug/l	15.5	2000	
Ni	60	45	He	1.691	ug/l	8.1	20000	
Cu	63	45	He	2.452	ug/l	10.9	20000	
Zn	66	45	He	9.482	ug/l	4.3	20000	
As	75	45	He	2.967	ug/l	9.9	5000	
Se	78	45	H2	0.244	ug/l	24.9	3000	
Sr	88	115	He	626.360	ug/l	0.3	5000	
Mo	95	115	He	6.426	ug/l	2.6	2000	
Ag	107	115	He	0.025	ug/l	5.5	1000	
Cd	111	115	He	0.031	ug/l	48.5	5000	
Sn	118	115	He	0.872	ug/l	3.5	2000	
Sb	121	115	He	0.351	ug/l	4.8	1000	
Ba	137	159	He	266.562	ug/l	0.5	20000	
Tl	205	209	He	-0.172	ug/l	N/A	1000	
[Pb]	206	209	He	4.614	ug/l	3.0		
[Pb]	207	209	He	4.578	ug/l	1.7		
Pb	208	209	He	4.616	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10706492.20	0.4	91.9	60	125	
Sc (ISICPMS)	45	No Gas	9756453.26	0.8	96.6	60	125	
Sc (ISICPMS)	45	H2	3400597.48	0.6	97.5	60	125	
Sc (ISICPMS)	45	He	125517.55	1.4	97.8	60	125	
Ge (IS)	74	H2	697561.11	0.6	103.8	60	125	
Ge (IS)	74	He	70568.36	1.1	108.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159831.97	1.8	99.8	60	125	
Tb (IS)	159	He	940864.95	1.1	100.7	60	125	
Bi (IS)	209	He	779858.47	1.4	97.8	60	125	

Sample Report

File Name 113SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:53:40

Sample Name **460-300470-c-6-a**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	1083.0	2000	
B	11	6	No Gas	5.808	ug/l	3.8	2000	
Na	23	45	He	43.770	ug/l	13.1	500000	
Mg	24	45	He	2.598	ug/l	10.6	500000	
Al	27	45	He	1.595	ug/l	150.9	500000	
K	39	45	He	74.633	ug/l	124.7	500000	
Ca	40	45	H2	19.912	ug/l	3.1	1000000	
Ti	47	45	No Gas	-0.021	ug/l	N/A	10000	
V	51	45	He	-0.088	ug/l	N/A	5000	
Cr	52	45	He	-0.995	ug/l	N/A	20000	
Mn	55	45	He	12.980	ug/l	2.8	20000	
Fe	56	45	H2	4.091	ug/l	4.8	500000	
Co	59	45	He	0.003	ug/l	122.5	2000	
Ni	60	45	He	0.000	ug/l	N/A	20000	
Cu	63	45	He	-0.065	ug/l	N/A	20000	
Zn	66	45	He	1.654	ug/l	22.4	20000	
As	75	45	He	0.100	ug/l	65.4	5000	
Se	78	45	H2	0.059	ug/l	21.7	3000	
Sr	88	115	He	0.066	ug/l	53.5	5000	
Mo	95	115	He	0.029	ug/l	40.3	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.004	ug/l	173.2	5000	
Sn	118	115	He	0.122	ug/l	56.8	2000	
Sb	121	115	He	-0.034	ug/l	N/A	1000	
Ba	137	159	He	0.178	ug/l	18.3	20000	
Tl	205	209	He	-0.180	ug/l	N/A	1000	
[Pb]	206	209	He	0.083	ug/l	2.5		
[Pb]	207	209	He	0.088	ug/l	43.3		
Pb	208	209	He	0.083	ug/l	6.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11097377.75	1.2	95.3	60	125	
Sc (ISICPMS)	45	No Gas	9826432.15	0.1	97.3	60	125	
Sc (ISICPMS)	45	H2	3500035.19	1.4	100.4	60	125	
Sc (ISICPMS)	45	He	128125.41	2.2	99.8	60	125	
Ge (IS)	74	H2	685280.65	1.3	102.0	60	125	
Ge (IS)	74	He	68362.89	2.1	104.6	60	125	
Kr	83	He	16.68	69.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	164494.09	2.9	102.7	60	125	
Tb (IS)	159	He	958080.88	1.2	102.6	60	125	
Bi (IS)	209	He	830628.45	1.5	104.2	60	125	

Sample Report

File Name 114SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:56:04

Sample Name **460-300089-a-3-a**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.035	ug/l	11.7	2000	
B	11	6	No Gas	44.590	ug/l	1.4	2000	
Na	23	45	He	24432.570	ug/l	1.3	500000	
Mg	24	45	He	8902.187	ug/l	1.3	500000	
Al	27	45	He	452.299	ug/l	3.2	500000	
K	39	45	He	3978.227	ug/l	3.4	500000	
Ca	40	45	H2	28823.584	ug/l	1.3	1000000	
Ti	47	45	No Gas	19.799	ug/l	10.8	10000	
V	51	45	He	1.969	ug/l	3.8	5000	
Cr	52	45	He	0.932	ug/l	15.2	20000	
Mn	55	45	He	254.471	ug/l	1.4	20000	
Fe	56	45	H2	1987.598	ug/l	1.4	500000	
Co	59	45	He	1.029	ug/l	3.4	2000	
Ni	60	45	He	2.672	ug/l	5.1	20000	
Cu	63	45	He	4.243	ug/l	4.7	20000	
Zn	66	45	He	39.492	ug/l	2.5	20000	
As	75	45	He	1.679	ug/l	29.7	5000	
Se	78	45	H2	0.328	ug/l	41.6	3000	
Sr	88	115	He	131.708	ug/l	1.2	5000	
Mo	95	115	He	1.660	ug/l	7.6	2000	
Ag	107	115	He	0.016	ug/l	13.0	1000	
Cd	111	115	He	0.040	ug/l	60.3	5000	
Sn	118	115	He	0.138	ug/l	84.5	2000	
Sb	121	115	He	0.315	ug/l	10.8	1000	
Ba	137	159	He	34.891	ug/l	4.9	20000	
Tl	205	209	He	-0.172	ug/l	N/A	1000	
[Pb]	206	209	He	1.865	ug/l	3.6		
[Pb]	207	209	He	1.757	ug/l	3.1		
Pb	208	209	He	1.824	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11134913.03	0.6	95.6	60	125	
Sc (ISICPMS)	45	No Gas	9866813.67	0.5	97.7	60	125	
Sc (ISICPMS)	45	H2	3434272.48	1.4	98.5	60	125	
Sc (ISICPMS)	45	He	125117.72	3.2	97.5	60	125	
Ge (IS)	74	H2	707390.08	0.8	105.3	60	125	
Ge (IS)	74	He	70811.88	2.8	108.4	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	161962.73	2.5	101.1	60	125	
Tb (IS)	159	He	947813.55	0.6	101.5	60	125	
Bi (IS)	209	He	809395.68	1.9	101.5	60	125	

Sample Report

File Name 115SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 18:58:28

Sample Name **460-300327-j-1-a**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.017	ug/l	16.5	2000	
B	11	6	No Gas	66.480	ug/l	1.3	2000	
Na	23	45	He	32576.618	ug/l	1.0	500000	
Mg	24	45	He	23331.244	ug/l	1.0	500000	
Al	27	45	He	159.751	ug/l	0.4	500000	
K	39	45	He	1453.301	ug/l	4.0	500000	
Ca	40	45	H2	50520.975	ug/l	1.4	1000000	
Ti	47	45	No Gas	4.151	ug/l	11.3	10000	
V	51	45	He	1.662	ug/l	5.3	5000	
Cr	52	45	He	0.131	ug/l	136.7	20000	
Mn	55	45	He	2200.732	ug/l	0.8	20000	
Fe	56	45	H2	721.855	ug/l	2.7	500000	
Co	59	45	He	0.748	ug/l	2.0	2000	
Ni	60	45	He	7.127	ug/l	5.7	20000	
Cu	63	45	He	3.667	ug/l	1.8	20000	
Zn	66	45	He	13.368	ug/l	4.2	20000	
As	75	45	He	0.729	ug/l	27.0	5000	
Se	78	45	H2	0.060	ug/l	80.8	3000	
Sr	88	115	He	533.874	ug/l	0.5	5000	
Mo	95	115	He	19.145	ug/l	0.9	2000	
Ag	107	115	He	0.015	ug/l	48.5	1000	
Cd	111	115	He	0.070	ug/l	43.0	5000	
Sn	118	115	He	0.085	ug/l	177.6	2000	
Sb	121	115	He	0.407	ug/l	13.7	1000	
Ba	137	159	He	66.197	ug/l	2.1	20000	
Tl	205	209	He	-0.139	ug/l	N/A	1000	
[Pb]	206	209	He	0.700	ug/l	4.3		
[Pb]	207	209	He	0.658	ug/l	6.0		
Pb	208	209	He	0.665	ug/l	3.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11035462.20	0.7	94.7	60	125	
Sc (ISICPMS)	45	No Gas	9829306.31	0.4	97.3	60	125	
Sc (ISICPMS)	45	H2	3454533.45	1.4	99.1	60	125	
Sc (ISICPMS)	45	He	124875.38	1.2	97.3	60	125	
Ge (IS)	74	H2	713640.61	1.3	106.2	60	125	
Ge (IS)	74	He	71821.42	1.0	109.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162658.50	2.2	101.6	60	125	
Tb (IS)	159	He	945268.32	1.1	101.2	60	125	
Bi (IS)	209	He	806856.70	1.2	101.2	60	125	

Sample Report

File Name 116SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:00:54

Sample Name **460-300327-j-2-a**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	345.3	2000	
B	11	6	No Gas	86.376	ug/l	1.3	2000	
Na	23	45	He	90924.550	ug/l	0.9	500000	
Mg	24	45	He	78518.847	ug/l	1.4	500000	
Al	27	45	He	13.483	ug/l	15.0	500000	
K	39	45	He	3411.422	ug/l	2.8	500000	
Ca	40	45	H2	195121.673	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.112	ug/l	8.6	10000	
V	51	45	He	0.126	ug/l	83.0	5000	
Cr	52	45	He	-0.620	ug/l	N/A	20000	
Mn	55	45	He	23.331	ug/l	1.1	20000	
Fe	56	45	H2	151.257	ug/l	1.0	500000	
Co	59	45	He	0.276	ug/l	8.3	2000	
Ni	60	45	He	2.282	ug/l	2.1	20000	
Cu	63	45	He	2.413	ug/l	5.0	20000	
Zn	66	45	He	11.181	ug/l	2.3	20000	
As	75	45	He	0.357	ug/l	25.8	5000	
Se	78	45	H2	0.243	ug/l	26.3	3000	
Sr	88	115	He	1700.466	ug/l	0.9	5000	
Mo	95	115	He	13.819	ug/l	2.6	2000	
Ag	107	115	He	0.011	ug/l	29.8	1000	
Cd	111	115	He	0.075	ug/l	20.2	5000	
Sn	118	115	He	0.209	ug/l	44.7	2000	
Sb	121	115	He	0.390	ug/l	13.8	1000	
Ba	137	159	He	122.651	ug/l	0.5	20000	
Tl	205	209	He	-0.168	ug/l	N/A	1000	
[Pb]	206	209	He	0.249	ug/l	6.8		
[Pb]	207	209	He	0.247	ug/l	5.4		
Pb	208	209	He	0.240	ug/l	7.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11042163.03	2.1	94.8	60	125	
Sc (ISICPMS)	45	No Gas	9945240.96	0.5	98.4	60	125	
Sc (ISICPMS)	45	H2	3480113.63	0.7	99.8	60	125	
Sc (ISICPMS)	45	He	128748.64	2.1	100.3	60	125	
Ge (IS)	74	H2	705731.02	0.7	105.1	60	125	
Ge (IS)	74	He	71937.58	0.7	110.1	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162397.63	1.4	101.4	60	125	
Tb (IS)	159	He	954186.17	0.9	102.2	60	125	
Bi (IS)	209	He	792293.09	1.5	99.4	60	125	

Sample Report

File Name 117SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:03:19

Sample Name **460-300327-j-3-a**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	24.5	2000	
B	11	6	No Gas	137.355	ug/l	0.7	2000	
Na	23	45	He	75912.150	ug/l	1.2	500000	
Mg	24	45	He	36658.161	ug/l	0.3	500000	
Al	27	45	He	24.388	ug/l	15.9	500000	
K	39	45	He	2020.859	ug/l	4.2	500000	
Ca	40	45	H2	87893.443	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.668	ug/l	48.3	10000	
V	51	45	He	0.696	ug/l	13.9	5000	
Cr	52	45	He	-0.550	ug/l	N/A	20000	
Mn	55	45	He	301.926	ug/l	1.1	20000	
Fe	56	45	H2	261.321	ug/l	1.2	500000	
Co	59	45	He	0.326	ug/l	4.8	2000	
Ni	60	45	He	2.053	ug/l	8.7	20000	
Cu	63	45	He	1.431	ug/l	1.7	20000	
Zn	66	45	He	14.711	ug/l	5.2	20000	
As	75	45	He	3.125	ug/l	9.0	5000	
Se	78	45	H2	0.121	ug/l	56.4	3000	
Sr	88	115	He	831.056	ug/l	0.6	5000	
Mo	95	115	He	13.126	ug/l	2.7	2000	
Ag	107	115	He	0.005	ug/l	101.4	1000	
Cd	111	115	He	0.052	ug/l	43.9	5000	
Sn	118	115	He	0.308	ug/l	48.3	2000	
Sb	121	115	He	0.414	ug/l	2.3	1000	
Ba	137	159	He	82.061	ug/l	0.7	20000	
Tl	205	209	He	-0.157	ug/l	N/A	1000	
[Pb]	206	209	He	0.472	ug/l	2.9		
[Pb]	207	209	He	0.495	ug/l	12.2		
Pb	208	209	He	0.493	ug/l	3.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11213884.28	0.2	96.3	60	125	
Sc (ISICPMS)	45	No Gas	10106402.14	1.0	100.0	60	125	
Sc (ISICPMS)	45	H2	3550658.87	0.7	101.8	60	125	
Sc (ISICPMS)	45	He	127264.71	2.2	99.1	60	125	
Ge (IS)	74	H2	723244.63	0.2	107.7	60	125	
Ge (IS)	74	He	72538.61	1.3	111.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	163565.81	2.1	102.1	60	125	
Tb (IS)	159	He	958244.02	0.6	102.6	60	125	
Bi (IS)	209	He	801436.48	1.6	100.5	60	125	

Continuing Calibration Verification (CCV)

File Name 118_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:05:44

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.087	ug/l	2.1	100	90	110	
B	11	6	No Gas	246.690	ug/l	1.5	250	225	275	
Na	23	45	He	25204.863	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	25340.782	ug/l	0.5	25000	22500	27500	
Al	27	45	He	25144.890	ug/l	1.0	25000	22500	27500	
K	39	45	He	24989.978	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24820.806	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	98.216	ug/l	1.7	100	90	110	
V	51	45	He	99.775	ug/l	0.8	100	90	110	
Cr	52	45	He	98.630	ug/l	0.1	100	90	110	
Mn	55	45	He	101.147	ug/l	0.6	100	90	110	
Fe	56	45	H2	24784.851	ug/l	2.4	25000	22500	27500	
Co	59	45	He	101.260	ug/l	1.1	100	90	110	
Ni	60	45	He	101.144	ug/l	1.3	100	90	110	
Cu	63	45	He	99.341	ug/l	1.1	100	90	110	
Zn	66	45	He	254.881	ug/l	1.5	250	225	275	
As	75	45	He	99.478	ug/l	1.7	100	90	110	
Se	78	45	H2	99.018	ug/l	1.3	100	90	110	
Sr	88	115	He	98.584	ug/l	1.3	100	90	110	
Mo	95	115	He	97.410	ug/l	0.3	100	90	110	
Ag	107	115	He	50.414	ug/l	0.6	50	45	55	
Cd	111	115	He	98.789	ug/l	1.4	100	90	110	
Sn	118	115	He	100.677	ug/l	0.7	100	90	110	
Sb	121	115	He	101.273	ug/l	0.9	100	90	110	
Ba	137	159	He	97.074	ug/l	0.6	100	90	110	
Tl	205	209	He	99.941	ug/l	0.8	100	90	110	
[Pb]	206	209	He	98.533	ug/l	0.5				
[Pb]	207	209	He	99.001	ug/l	0.2				
Pb	208	209	He	98.568	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11243186.78	1.1	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9765903.54	0.9	96.7	60	125	
Sc (ISICPMS)	45	H2	3370121.44	1.2	96.7	60	125	
Sc (ISICPMS)	45	He	122413.05	1.9	95.3	60	125	
Ge (IS)	74	H2	673622.60	1.3	100.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67643.83	2.8	103.5	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	156650.76	1.8	97.8	60	125	
Tb (IS)	159	He	927436.72	1.5	99.3	60	125	
Bi (IS)	209	He	786059.13	1.6	98.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 119_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:08:06

Sample Name **CCB**

Comment ---

Dilution 1.0000

Rdl/Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	6.2	0.8	-0.8	0.8	
B	11	6	No Gas	4.981	ug/l	1.2	40	-40	40	
Na	23	45	He	17.078	ug/l	49.2	500	-500	500	
Mg	24	45	He	2.344	ug/l	14.0	200	-200	200	
Al	27	45	He	-0.269	ug/l	N/A	40	-40	40	
K	39	45	He	45.049	ug/l	188.6	200	-200	200	
Ca	40	45	H2	11.148	ug/l	6.4	500	-500	500	
Ti	47	45	No Gas	0.099	ug/l	222.8	4	-4	4	
V	51	45	He	-0.023	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.329	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.159	ug/l	126.5	8	-8	8	
Fe	56	45	H2	3.240	ug/l	7.5	60	-60	60	
Co	59	45	He	0.003	ug/l	377.0	4	-4	4	
Ni	60	45	He	0.021	ug/l	311.2	4	-4	4	
Cu	63	45	He	-0.468	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.980	ug/l	63.8	16	-16	16	
As	75	45	He	0.060	ug/l	63.3	2	-2	2	
Se	78	45	H2	0.117	ug/l	33.1	2.5	-2.5	2.5	
Sr	88	115	He	0.048	ug/l	125.9	4	-4	4	
Mo	95	115	He	0.112	ug/l	35.8	4	-4	4	
Ag	107	115	He	0.003	ug/l	235.5	2	-2	2	
Cd	111	115	He	0.004	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.105	ug/l	87.0	16	-16	16	
Sb	121	115	He	-0.045	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.033	ug/l	228.7	4	-4	4	
Tl	205	209	He	-0.142	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.005	ug/l	113.4				
[Pb]	207	209	He	0.020	ug/l	104.8				
Pb	208	209	He	0.010	ug/l	144.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11204830.25	1.7	96.2	60	125	
Sc (ISICPMS)	45	No Gas	9725837.56	0.9	96.3	60	125	
Sc (ISICPMS)	45	H2	3367541.86	1.1	96.6	60	125	
Sc (ISICPMS)	45	He	126056.97	2.0	98.2	60	125	
Ge (IS)	74	H2	660859.77	0.6	98.4	60	125	
Ge (IS)	74	He	67013.71	1.7	102.6	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	160306.28	1.9	100.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	933815.92	0.1	100.0	60	125	
Bi (IS)	209	He	810629.61	0.8	101.7	60	125	

Sample Report

File Name 120SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:10:31

Sample Name **460-300327-j-4-a**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	223.179	ug/l	0.3	2000	
Na	23	45	He	81663.913	ug/l	0.4	500000	
Mg	24	45	He	6754.818	ug/l	0.8	500000	
Al	27	45	He	4.338	ug/l	52.4	500000	
K	39	45	He	1009.366	ug/l	6.0	500000	
Ca	40	45	H2	13346.866	ug/l	1.6	1000000	
Ti	47	45	No Gas	0.908	ug/l	3.6	10000	
V	51	45	He	0.714	ug/l	17.3	5000	
Cr	52	45	He	-0.925	ug/l	N/A	20000	
Mn	55	45	He	33.781	ug/l	1.4	20000	
Fe	56	45	H2	443.198	ug/l	1.2	500000	
Co	59	45	He	0.193	ug/l	12.3	2000	
Ni	60	45	He	0.078	ug/l	155.2	20000	
Cu	63	45	He	2.458	ug/l	2.3	20000	
Zn	66	45	He	32.159	ug/l	2.7	20000	
As	75	45	He	7.809	ug/l	9.2	5000	
Se	78	45	H2	0.049	ug/l	65.3	3000	
Sr	88	115	He	212.412	ug/l	0.8	5000	
Mo	95	115	He	7.526	ug/l	2.3	2000	
Ag	107	115	He	0.006	ug/l	61.7	1000	
Cd	111	115	He	0.032	ug/l	98.6	5000	
Sn	118	115	He	0.069	ug/l	182.2	2000	
Sb	121	115	He	0.042	ug/l	138.1	1000	
Ba	137	159	He	68.801	ug/l	0.7	20000	
Tl	205	209	He	-0.166	ug/l	N/A	1000	
[Pb]	206	209	He	1.865	ug/l	1.7		
[Pb]	207	209	He	1.859	ug/l	3.1		
Pb	208	209	He	1.862	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11161421.50	1.3	95.8	60	125	
Sc (ISICPMS)	45	No Gas	9802309.99	0.5	97.0	60	125	
Sc (ISICPMS)	45	H2	3401539.25	2.1	97.6	60	125	
Sc (ISICPMS)	45	He	124061.47	1.0	96.6	60	125	
Ge (IS)	74	H2	703042.84	1.6	104.7	60	125	
Ge (IS)	74	He	71236.27	1.0	109.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156789.32	0.6	97.9	60	125	
Tb (IS)	159	He	928894.46	1.3	99.4	60	125	
Bi (IS)	209	He	794986.29	1.4	99.7	60	125	

Sample Report

File Name 121SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:12:56

Sample Name **460-300327-j-5-a**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	11.0	2000	
B	11	6	No Gas	104.710	ug/l	0.7	2000	
Na	23	45	He	124639.513	ug/l	0.4	500000	
Mg	24	45	He	40291.449	ug/l	0.4	500000	
Al	27	45	He	55.904	ug/l	11.0	500000	
K	39	45	He	7612.202	ug/l	0.3	500000	
Ca	40	45	H2	107259.255	ug/l	0.9	1000000	
Ti	47	45	No Gas	3.122	ug/l	22.9	10000	
V	51	45	He	0.384	ug/l	15.4	5000	
Cr	52	45	He	-1.006	ug/l	N/A	20000	
Mn	55	45	He	1207.907	ug/l	0.5	20000	
Fe	56	45	H2	1015.096	ug/l	0.4	500000	
Co	59	45	He	2.083	ug/l	4.3	2000	
Ni	60	45	He	2.104	ug/l	6.6	20000	
Cu	63	45	He	0.130	ug/l	14.6	20000	
Zn	66	45	He	3.150	ug/l	15.4	20000	
As	75	45	He	7.242	ug/l	7.7	5000	
Se	78	45	H2	0.146	ug/l	29.6	3000	
Sr	88	115	He	1126.276	ug/l	0.9	5000	
Mo	95	115	He	20.138	ug/l	1.1	2000	
Ag	107	115	He	0.005	ug/l	114.2	1000	
Cd	111	115	He	0.023	ug/l	123.4	5000	
Sn	118	115	He	-0.021	ug/l	N/A	2000	
Sb	121	115	He	0.064	ug/l	27.3	1000	
Ba	137	159	He	127.039	ug/l	2.1	20000	
Tl	205	209	He	-0.144	ug/l	N/A	1000	
[Pb]	206	209	He	0.432	ug/l	4.3		
[Pb]	207	209	He	0.405	ug/l	5.9		
Pb	208	209	He	0.391	ug/l	6.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10911957.20	0.9	93.7	60	125	
Sc (ISICPMS)	45	No Gas	9850886.03	1.1	97.5	60	125	
Sc (ISICPMS)	45	H2	3354107.21	0.7	96.2	60	125	
Sc (ISICPMS)	45	He	123014.42	1.6	95.8	60	125	
Ge (IS)	74	H2	690371.00	0.5	102.8	60	125	
Ge (IS)	74	He	68910.13	2.8	105.5	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157512.85	2.7	98.4	60	125	
Tb (IS)	159	He	925993.95	1.5	99.1	60	125	
Bi (IS)	209	He	778487.12	1.7	97.6	60	125	

Sample Report

File Name 122SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:15:22

Sample Name **460-300351-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.062	ug/l	14.5	2000	
B	11	6	No Gas	12.153	ug/l	1.3	2000	
Na	23	45	He	4926.084	ug/l	1.9	500000	
Mg	24	45	He	3490.566	ug/l	1.4	500000	
Al	27	45	He	1747.508	ug/l	2.3	500000	
K	39	45	He	2434.951	ug/l	6.1	500000	
Ca	40	45	H2	19069.058	ug/l	1.3	1000000	
Ti	47	45	No Gas	43.889	ug/l	21.7	10000	
V	51	45	He	2.243	ug/l	10.6	5000	
Cr	52	45	He	0.641	ug/l	34.3	20000	
Mn	55	45	He	62.425	ug/l	3.0	20000	
Fe	56	45	H2	1363.383	ug/l	4.8	500000	
Co	59	45	He	0.618	ug/l	6.2	2000	
Ni	60	45	He	1.429	ug/l	8.9	20000	
Cu	63	45	He	1.524	ug/l	2.6	20000	
Zn	66	45	He	6.678	ug/l	12.8	20000	
As	75	45	He	0.963	ug/l	50.4	5000	
Se	78	45	H2	0.088	ug/l	73.9	3000	
Sr	88	115	He	37.304	ug/l	0.1	5000	
Mo	95	115	He	0.464	ug/l	9.5	2000	
Ag	107	115	He	0.008	ug/l	70.6	1000	
Cd	111	115	He	0.026	ug/l	85.8	5000	
Sn	118	115	He	0.155	ug/l	56.9	2000	
Sb	121	115	He	0.084	ug/l	55.6	1000	
Ba	137	159	He	21.321	ug/l	2.3	20000	
Tl	205	209	He	-0.156	ug/l	N/A	1000	
[Pb]	206	209	He	1.042	ug/l	4.1		
[Pb]	207	209	He	0.996	ug/l	3.1		
Pb	208	209	He	1.063	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11260340.25	1.2	96.7	60	125	
Sc (ISICPMS)	45	No Gas	9936637.28	0.6	98.3	60	125	
Sc (ISICPMS)	45	H2	3434960.05	0.7	98.5	60	125	
Sc (ISICPMS)	45	He	124032.97	2.9	96.6	60	125	
Ge (IS)	74	H2	703948.86	0.4	104.8	60	125	
Ge (IS)	74	He	70975.09	1.3	108.6	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	160661.58	1.8	100.3	60	125	
Tb (IS)	159	He	939585.15	1.3	100.6	60	125	
Bi (IS)	209	He	807931.61	0.9	101.3	60	125	

Sample Report

File Name 123SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:17:45

Sample Name **460-300476-e-7-a**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	3.247	ug/l	2.4	2000	
Na	23	45	He	20.998	ug/l	17.4	500000	
Mg	24	45	He	1.804	ug/l	22.4	500000	
Al	27	45	He	2.732	ug/l	69.3	500000	
K	39	45	He	66.801	ug/l	141.6	500000	
Ca	40	45	H2	22.790	ug/l	1.8	1000000	
Ti	47	45	No Gas	-0.119	ug/l	N/A	10000	
V	51	45	He	-0.047	ug/l	N/A	5000	
Cr	52	45	He	-0.635	ug/l	N/A	20000	
Mn	55	45	He	0.217	ug/l	30.3	20000	
Fe	56	45	H2	1.761	ug/l	13.9	500000	
Co	59	45	He	-0.003	ug/l	N/A	2000	
Ni	60	45	He	0.084	ug/l	195.0	20000	
Cu	63	45	He	0.041	ug/l	47.5	20000	
Zn	66	45	He	1.884	ug/l	15.6	20000	
As	75	45	He	0.012	ug/l	571.5	5000	
Se	78	45	H2	-0.006	ug/l	N/A	3000	
Sr	88	115	He	0.049	ug/l	116.9	5000	
Mo	95	115	He	0.014	ug/l	197.6	2000	
Ag	107	115	He	0.004	ug/l	171.3	1000	
Cd	111	115	He	0.004	ug/l	173.2	5000	
Sn	118	115	He	0.492	ug/l	19.8	2000	
Sb	121	115	He	-0.019	ug/l	N/A	1000	
Ba	137	159	He	0.070	ug/l	70.5	20000	
Tl	205	209	He	-0.172	ug/l	N/A	1000	
[Pb]	206	209	He	0.024	ug/l	54.1		
[Pb]	207	209	He	0.047	ug/l	10.4		
Pb	208	209	He	0.025	ug/l	21.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11320114.14	1.4	97.2	60	125	
Sc (ISICPMS)	45	No Gas	9970576.45	0.8	98.7	60	125	
Sc (ISICPMS)	45	H2	3436857.83	1.2	98.6	60	125	
Sc (ISICPMS)	45	He	127358.84	1.8	99.2	60	125	
Ge (IS)	74	H2	665535.23	1.2	99.1	60	125	
Ge (IS)	74	He	67436.23	1.5	103.2	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	163811.11	1.8	102.3	60	125	
Tb (IS)	159	He	948338.18	1.3	101.5	60	125	
Bi (IS)	209	He	827332.53	0.8	103.8	60	125	

Sample Report

File Name 124SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:20:09

Sample Name **mb 460-965339/1-a**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	2.601	ug/l	3.3	2000	
Na	23	45	He	13.923	ug/l	22.9	500000	
Mg	24	45	He	0.394	ug/l	79.1	500000	
Al	27	45	He	-0.281	ug/l	N/A	500000	
K	39	45	He	74.316	ug/l	155.4	500000	
Ca	40	45	H2	7.644	ug/l	12.5	1000000	
Ti	47	45	No Gas	-0.093	ug/l	N/A	10000	
V	51	45	He	-0.059	ug/l	N/A	5000	
Cr	52	45	He	-0.302	ug/l	N/A	20000	
Mn	55	45	He	0.227	ug/l	80.4	20000	
Fe	56	45	H2	0.106	ug/l	476.0	500000	
Co	59	45	He	-0.001	ug/l	N/A	2000	
Ni	60	45	He	0.037	ug/l	621.5	20000	
Cu	63	45	He	-0.539	ug/l	N/A	20000	
Zn	66	45	He	0.658	ug/l	15.8	20000	
As	75	45	He	0.093	ug/l	78.2	5000	
Se	78	45	H2	0.021	ug/l	151.7	3000	
Sr	88	115	He	0.042	ug/l	57.7	5000	
Mo	95	115	He	-0.017	ug/l	N/A	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.009	ug/l	86.6	5000	
Sn	118	115	He	0.061	ug/l	126.9	2000	
Sb	121	115	He	-0.030	ug/l	N/A	1000	
Ba	137	159	He	0.059	ug/l	180.8	20000	
Tl	205	209	He	-0.179	ug/l	N/A	1000	
[Pb]	206	209	He	0.005	ug/l	506.5		
[Pb]	207	209	He	-0.023	ug/l	N/A		
Pb	208	209	He	-0.010	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11328852.61	1.1	97.2	60	125	
Sc (ISICPMS)	45	No Gas	9928003.12	1.1	98.3	60	125	
Sc (ISICPMS)	45	H2	3451553.77	1.1	99.0	60	125	
Sc (ISICPMS)	45	He	126851.37	2.3	98.8	60	125	
Ge (IS)	74	H2	670209.62	0.6	99.8	60	125	
Ge (IS)	74	He	67085.88	2.5	102.7	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	163774.47	2.4	102.3	60	125	
Tb (IS)	159	He	942916.93	1.7	100.9	60	125	
Bi (IS)	209	He	816267.03	2.0	102.4	60	125	

Sample Report

File Name 125SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:22:33

Sample Name **lcssrm 460-965339/2-a@3**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	527.309	ug/l	2.4	2000	
B	11	6	No Gas	788.981	ug/l	0.7	2000	
Na	23	45	He	1746.000	ug/l	1.1	500000	
Mg	24	45	He	5600.044	ug/l	0.9	500000	
Al	27	45	He	19903.993	ug/l	0.2	500000	
K	39	45	He	4219.590	ug/l	2.2	500000	
Ca	40	45	H2	17579.765	ug/l	0.8	1000000	
Ti	47	45	No Gas	990.090	ug/l	1.7	10000	
V	51	45	He	355.178	ug/l	0.9	5000	
Cr	52	45	He	617.753	ug/l	0.6	20000	
Mn	55	45	He	1856.817	ug/l	0.9	20000	
Fe	56	45	H2	21181.889	ug/l	0.6	500000	
Co	59	45	He	285.086	ug/l	0.3	2000	
Ni	60	45	He	1079.962	ug/l	0.8	20000	
Cu	63	45	He	678.690	ug/l	0.3	20000	
Zn	66	45	He	593.522	ug/l	0.6	20000	
As	75	45	He	1069.016	ug/l	0.9	5000	
Se	78	45	H2	571.747	ug/l	1.8	3000	
Sr	88	115	He	444.837	ug/l	1.2	5000	
Mo	95	115	He	448.302	ug/l	1.2	2000	
Ag	107	115	He	285.657	ug/l	1.4	1000	
Cd	111	115	He	727.029	ug/l	1.5	5000	
Sn	118	115	He	269.450	ug/l	1.2	2000	
Sb	121	115	He	247.876	ug/l	0.8	1000	
Ba	137	159	He	1021.221	ug/l	0.8	20000	
Tl	205	209	He	699.888	ug/l	1.4	1000	
[Pb]	206	209	He	322.923	ug/l	0.8		
[Pb]	207	209	He	312.788	ug/l	0.5		
Pb	208	209	He	314.324	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11482529.69	1.3	98.6	60	125	
Sc (ISICPMS)	45	No Gas	9704699.30	0.7	96.0	60	125	
Sc (ISICPMS)	45	H2	3339879.78	0.5	95.8	60	125	
Sc (ISICPMS)	45	He	121203.70	2.1	94.4	60	125	
Ge (IS)	74	H2	681334.53	0.8	101.4	60	125	
Ge (IS)	74	He	67870.48	3.1	103.9	60	125	
Kr	83	He	23.36	24.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153897.76	2.6	96.1	60	125	
Tb (IS)	159	He	920059.96	1.6	98.5	60	125	
Bi (IS)	209	He	787783.79	2.0	98.8	60	125	

Sample Report

File Name 126SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:24:57

Sample Name **PDS 460-300398-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	27.418	ug/l	2.3	2000	
B	11	6	No Gas	524.956	ug/l	1.1	2000	
Na	23	45	He	6151.508	ug/l	0.6	500000	
Mg	24	45	He	23627.574	ug/l	0.4	500000	
Al	27	45	He	86919.639	ug/l	0.4	500000	
K	39	45	He	8614.725	ug/l	0.5	500000	
Ca	40	45	H2	22391.692	ug/l	1.3	1000000	
Ti	47	45	No Gas	3664.476	ug/l	1.1	10000	
V	51	45	He	452.139	ug/l	1.3	5000	
Cr	52	45	He	212.024	ug/l	1.3	20000	
Mn	55	45	He	4290.369	ug/l	0.5	20000	
Fe	56	45	H2	300155.208	ug/l	1.5	500000	
Co	59	45	He	80.713	ug/l	1.1	2000	
Ni	60	45	He	173.010	ug/l	0.8	20000	
Cu	63	45	He	269.537	ug/l	1.4	20000	
Zn	66	45	He	508.939	ug/l	1.8	20000	
As	75	45	He	71.446	ug/l	2.7	5000	
Se	78	45	H2	48.506	ug/l	1.3	3000	
Sr	88	115	He	139.190	ug/l	0.4	5000	
Mo	95	115	He	53.688	ug/l	1.1	2000	
Ag	107	115	He	25.163	ug/l	0.8	1000	
Cd	111	115	He	25.070	ug/l	1.5	5000	
Sn	118	115	He	55.504	ug/l	1.3	2000	
Sb	121	115	He	27.493	ug/l	3.4	1000	
Ba	137	159	He	515.397	ug/l	1.1	20000	
Tl	205	209	He	20.699	ug/l	0.6	1000	
[Pb]	206	209	He	78.200	ug/l	0.9		
[Pb]	207	209	He	75.998	ug/l	0.5		
Pb	208	209	He	77.243	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11103002.19	1.9	95.3	60	125	
Sc (ISICPMS)	45	No Gas	10043809.09	0.6	99.4	60	125	
Sc (ISICPMS)	45	H2	3521705.54	0.3	101.0	60	125	
Sc (ISICPMS)	45	He	127820.73	0.3	99.6	60	125	
Ge (IS)	74	H2	676169.17	0.8	100.7	60	125	
Ge (IS)	74	He	67928.20	2.1	104.0	60	125	
Kr	83	He	90.09	19.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153117.53	1.6	95.6	60	125	
Tb (IS)	159	He	936379.07	1.1	100.2	60	125	
Bi (IS)	209	He	776211.34	0.2	97.3	60	125	

Sample Report

File Name 127SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:27:22

Sample Name **460-300398-a-2-d msd**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	46.782	ug/l	2.5	2000	
B	11	6	No Gas	937.923	ug/l	1.1	2000	
Na	23	45	He	5498.529	ug/l	0.6	500000	
Mg	24	45	He	20168.545	ug/l	0.8	500000	
Al	27	45	He	60426.232	ug/l	0.6	500000	
K	39	45	He	10208.942	ug/l	0.9	500000	
Ca	40	45	H2	13164.043	ug/l	1.5	1000000	
Ti	47	45	No Gas	2636.862	ug/l	1.0	10000	
V	51	45	He	306.482	ug/l	0.8	5000	
Cr	52	45	He	225.715	ug/l	1.0	20000	
Mn	55	45	He	3862.709	ug/l	0.9	20000	
Fe	56	45	H2	229223.465	ug/l	1.6	500000	
Co	59	45	He	93.762	ug/l	1.2	2000	
Ni	60	45	He	197.579	ug/l	1.6	20000	
Cu	63	45	He	244.534	ug/l	1.0	20000	
Zn	66	45	He	672.771	ug/l	1.0	20000	
As	75	45	He	109.003	ug/l	0.7	5000	
Se	78	45	H2	86.036	ug/l	0.4	3000	
Sr	88	115	He	143.810	ug/l	1.6	5000	
Mo	95	115	He	93.475	ug/l	2.6	2000	
Ag	107	115	He	46.064	ug/l	0.5	1000	
Cd	111	115	He	45.833	ug/l	1.5	5000	
Sn	118	115	He	96.039	ug/l	0.1	2000	
Sb	121	115	He	49.569	ug/l	1.0	1000	
Ba	137	159	He	448.840	ug/l	1.2	20000	
Tl	205	209	He	37.453	ug/l	0.8	1000	
[Pb]	206	209	He	93.265	ug/l	0.4		
[Pb]	207	209	He	90.684	ug/l	0.3		
Pb	208	209	He	92.045	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11151903.03	1.1	95.7	60	125	
Sc (ISICPMS)	45	No Gas	10099645.34	0.6	100.0	60	125	
Sc (ISICPMS)	45	H2	3506104.67	1.1	100.6	60	125	
Sc (ISICPMS)	45	He	124578.96	2.1	97.0	60	125	
Ge (IS)	74	H2	677418.99	1.3	100.8	60	125	
Ge (IS)	74	He	67785.64	1.6	103.8	60	125	
Kr	83	He	66.73	34.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152851.13	1.7	95.4	60	125	
Tb (IS)	159	He	924814.57	0.8	99.0	60	125	
Bi (IS)	209	He	775891.88	1.5	97.3	60	125	

Sample Report

File Name 128SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:29:48

Sample Name **460-300398-a-2-c ms**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	47.970	ug/l	2.9	2000	
B	11	6	No Gas	949.033	ug/l	2.7	2000	
Na	23	45	He	5646.224	ug/l	0.3	500000	
Mg	24	45	He	23880.506	ug/l	0.4	500000	
Al	27	45	He	66574.372	ug/l	0.5	500000	
K	39	45	He	10567.794	ug/l	0.8	500000	
Ca	40	45	H2	13871.061	ug/l	0.6	1000000	
Ti	47	45	No Gas	3104.329	ug/l	1.5	10000	
V	51	45	He	396.631	ug/l	1.2	5000	
Cr	52	45	He	240.240	ug/l	2.3	20000	
Mn	55	45	He	7163.302	ug/l	0.5	20000	
Fe	56	45	H2	303477.007	ug/l	0.9	500000	
Co	59	45	He	110.428	ug/l	1.4	2000	
Ni	60	45	He	214.612	ug/l	1.6	20000	
Cu	63	45	He	260.739	ug/l	1.9	20000	
Zn	66	45	He	715.573	ug/l	1.7	20000	
As	75	45	He	106.054	ug/l	3.1	5000	
Se	78	45	H2	85.691	ug/l	1.8	3000	
Sr	88	115	He	153.611	ug/l	2.5	5000	
Mo	95	115	He	95.600	ug/l	0.4	2000	
Ag	107	115	He	46.367	ug/l	0.6	1000	
Cd	111	115	He	46.684	ug/l	1.0	5000	
Sn	118	115	He	96.596	ug/l	0.1	2000	
Sb	121	115	He	49.095	ug/l	0.6	1000	
Ba	137	159	He	545.628	ug/l	0.9	20000	
Tl	205	209	He	38.778	ug/l	0.5	1000	
[Pb]	206	209	He	112.913	ug/l	0.6		
[Pb]	207	209	He	110.581	ug/l	0.8		
Pb	208	209	He	111.444	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11110674.84	1.9	95.4	60	125	
Sc (ISICPMS)	45	No Gas	10135254.71	0.8	100.3	60	125	
Sc (ISICPMS)	45	H2	3484269.22	0.8	99.9	60	125	
Sc (ISICPMS)	45	He	124019.45	1.1	96.6	60	125	
Ge (IS)	74	H2	669933.45	0.5	99.7	60	125	
Ge (IS)	74	He	66278.21	2.3	101.5	60	125	
Kr	83	He	83.42	66.1				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150842.21	2.1	94.2	60	125	
Tb (IS)	159	He	926495.13	1.7	99.2	60	125	
Bi (IS)	209	He	766528.30	1.3	96.1	60	125	

Sample Report

File Name 129SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:42:07

Sample Name **460-300398-a-2-b du**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.758	ug/l	1.5	2000	
B	11	6	No Gas	32.534	ug/l	1.7	2000	
Na	23	45	He	993.237	ug/l	1.1	500000	
Mg	24	45	He	17933.281	ug/l	1.4	500000	
Al	27	45	He	57790.931	ug/l	0.7	500000	
K	39	45	He	5495.530	ug/l	1.0	500000	
Ca	40	45	H2	8124.327	ug/l	1.6	1000000	
Ti	47	45	No Gas	2769.543	ug/l	1.0	10000	
V	51	45	He	275.669	ug/l	1.0	5000	
Cr	52	45	He	164.359	ug/l	3.9	20000	
Mn	55	45	He	3955.510	ug/l	0.2	20000	
Fe	56	45	H2	243152.979	ug/l	1.2	500000	
Co	59	45	He	52.560	ug/l	1.0	2000	
Ni	60	45	He	117.537	ug/l	1.0	20000	
Cu	63	45	He	160.557	ug/l	1.2	20000	
Zn	66	45	He	224.348	ug/l	0.2	20000	
As	75	45	He	21.363	ug/l	5.9	5000	
Se	78	45	H2	1.276	ug/l	12.8	3000	
Sr	88	115	He	56.887	ug/l	1.8	5000	
Mo	95	115	He	4.529	ug/l	1.3	2000	
Ag	107	115	He	0.116	ug/l	16.5	1000	
Cd	111	115	He	0.440	ug/l	36.9	5000	
Sn	118	115	He	4.172	ug/l	2.6	2000	
Sb	121	115	He	0.704	ug/l	21.3	1000	
Ba	137	159	He	355.135	ug/l	0.5	20000	
Tl	205	209	He	0.489	ug/l	2.0	1000	
[Pb]	206	209	He	57.199	ug/l	0.2		
[Pb]	207	209	He	54.945	ug/l	0.2		
Pb	208	209	He	56.268	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11089786.09	0.8	95.2	60	125	
Sc (ISICPMS)	45	No Gas	10118915.47	0.9	100.1	60	125	
Sc (ISICPMS)	45	H2	3548171.89	0.5	101.8	60	125	
Sc (ISICPMS)	45	He	124241.16	1.6	96.8	60	125	
Ge (IS)	74	H2	681925.49	1.1	101.5	60	125	
Ge (IS)	74	He	66328.39	1.6	101.5	60	125	
Kr	83	He	73.41	67.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153040.43	1.9	95.6	60	125	
Tb (IS)	159	He	925903.96	1.1	99.1	60	125	
Bi (IS)	209	He	775673.83	1.1	97.3	60	125	

Continuing Calibration Verification (CCV)

File Name 130_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:45:02

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.991	ug/l	1.0	100	90	110	
B	11	6	No Gas	247.844	ug/l	0.9	250	225	275	
Na	23	45	He	25341.274	ug/l	1.6	25000	22500	27500	
Mg	24	45	He	25290.398	ug/l	1.2	25000	22500	27500	
Al	27	45	He	25143.998	ug/l	0.7	25000	22500	27500	
K	39	45	He	25003.971	ug/l	0.7	25000	22500	27500	
Ca	40	45	H2	25083.053	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	99.876	ug/l	3.0	100	90	110	
V	51	45	He	99.972	ug/l	0.4	100	90	110	
Cr	52	45	He	100.960	ug/l	0.2	100	90	110	
Mn	55	45	He	101.596	ug/l	0.6	100	90	110	
Fe	56	45	H2	25379.973	ug/l	0.1	25000	22500	27500	
Co	59	45	He	102.183	ug/l	1.3	100	90	110	
Ni	60	45	He	101.808	ug/l	0.7	100	90	110	
Cu	63	45	He	100.513	ug/l	0.7	100	90	110	
Zn	66	45	He	258.428	ug/l	0.5	250	225	275	
As	75	45	He	101.634	ug/l	1.9	100	90	110	
Se	78	45	H2	100.832	ug/l	2.8	100	90	110	
Sr	88	115	He	96.888	ug/l	1.8	100	90	110	
Mo	95	115	He	98.449	ug/l	0.3	100	90	110	
Ag	107	115	He	50.207	ug/l	1.2	50	45	55	
Cd	111	115	He	98.861	ug/l	2.2	100	90	110	
Sn	118	115	He	101.448	ug/l	1.0	100	90	110	
Sb	121	115	He	100.523	ug/l	1.1	100	90	110	
Ba	137	159	He	98.135	ug/l	1.4	100	90	110	
Tl	205	209	He	101.369	ug/l	0.5	100	90	110	
[Pb]	206	209	He	98.767	ug/l	0.2				
[Pb]	207	209	He	99.940	ug/l	0.2				
Pb	208	209	He	99.398	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10942819.00	0.2	93.9	60	125	
Sc (ISICPMS)	45	No Gas	9644763.19	1.7	95.5	60	125	
Sc (ISICPMS)	45	H2	3314018.39	1.0	95.0	60	125	
Sc (ISICPMS)	45	He	120709.17	1.9	94.0	60	125	
Ge (IS)	74	H2	675778.21	0.3	100.6	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67477.32	2.2	103.3	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	156575.29	2.3	97.8	60	125	
Tb (IS)	159	He	920959.17	1.5	98.6	60	125	
Bi (IS)	209	He	778128.33	1.6	97.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 131_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:47:26

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	16.5	0.8	-0.8	0.8	
B	11	6	No Gas	4.953	ug/l	2.7	40	-40	40	
Na	23	45	He	-6.334	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.709	ug/l	10.3	200	-200	200	
Al	27	45	He	2.230	ug/l	126.6	40	-40	40	
K	39	45	He	15.383	ug/l	495.6	200	-200	200	
Ca	40	45	H2	4.446	ug/l	18.6	500	-500	500	
Ti	47	45	No Gas	0.417	ug/l	50.1	4	-4	4	
V	51	45	He	-0.194	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.332	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.037	ug/l	309.1	8	-8	8	
Fe	56	45	H2	6.116	ug/l	7.4	60	-60	60	
Co	59	45	He	0.010	ug/l	73.5	4	-4	4	
Ni	60	45	He	-0.021	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.542	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.122	ug/l	45.2	16	-16	16	
As	75	45	He	0.066	ug/l	89.9	2	-2	2	
Se	78	45	H2	0.185	ug/l	31.0	2.5	-2.5	2.5	
Sr	88	115	He	-0.010	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.083	ug/l	85.4	4	-4	4	
Ag	107	115	He	0.001	ug/l	302.5	2	-2	2	
Cd	111	115	He	0.009	ug/l	86.6	2	-2	2	
Sn	118	115	He	0.199	ug/l	220.8	16	-16	16	
Sb	121	115	He	-0.032	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.047	ug/l	111.5	4	-4	4	
Tl	205	209	He	-0.137	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.025	ug/l	N/A				
[Pb]	207	209	He	-0.007	ug/l	N/A				
Pb	208	209	He	-0.013	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10926999.84	1.5	93.8	60	125	
Sc (ISICPMS)	45	No Gas	9693458.47	0.9	95.9	60	125	
Sc (ISICPMS)	45	H2	3372246.75	0.7	96.7	60	125	
Sc (ISICPMS)	45	He	122337.01	1.4	95.3	60	125	
Ge (IS)	74	H2	663231.94	0.8	98.7	60	125	
Ge (IS)	74	He	65488.65	2.2	100.2	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	159442.13	0.4	99.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	932640.61	1.1	99.8	60	125	
Bi (IS)	209	He	804315.96	1.0	100.9	60	125	

Sample Report

File Name 132SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:49:51

Sample Name **460-300395-a-13-a**

Comment ---

Dilution **1.0000**

Vial # 3411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.819	ug/l	2.2	2000	
B	11	6	No Gas	41.055	ug/l	1.8	2000	
Na	23	45	He	4180.170	ug/l	0.6	500000	
Mg	24	45	He	33360.478	ug/l	0.5	500000	
Al	27	45	He	173993.786	ug/l	0.4	500000	
K	39	45	He	14261.400	ug/l	0.6	500000	
Ca	40	45	H2	19263.237	ug/l	0.4	1000000	
Ti	47	45	No Gas	5888.874	ug/l	1.6	10000	
V	51	45	He	263.306	ug/l	0.5	5000	
Cr	52	45	He	251.283	ug/l	0.2	20000	
Mn	55	45	He	1606.845	ug/l	0.6	20000	
Fe	56	45	H2	126961.658	ug/l	0.6	500000	
Co	59	45	He	49.794	ug/l	0.5	2000	
Ni	60	45	He	144.051	ug/l	0.6	20000	
Cu	63	45	He	111.277	ug/l	0.3	20000	
Zn	66	45	He	1600.188	ug/l	0.4	20000	
As	75	45	He	16.250	ug/l	5.4	5000	
Se	78	45	H2	3.305	ug/l	1.6	3000	
Sr	88	115	He	120.414	ug/l	1.6	5000	
Mo	95	115	He	4.808	ug/l	1.9	2000	
Ag	107	115	He	0.719	ug/l	5.8	1000	
Cd	111	115	He	1.177	ug/l	11.3	5000	
Sn	118	115	He	135.393	ug/l	0.7	2000	
Sb	121	115	He	4.678	ug/l	4.1	1000	
Ba	137	159	He	1018.253	ug/l	0.3	20000	
Tl	205	209	He	1.849	ug/l	2.2	1000	
[Pb]	206	209	He	412.979	ug/l	0.5		
[Pb]	207	209	He	405.796	ug/l	0.5		
Pb	208	209	He	406.204	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11198074.42	2.0	96.1	60	125	
Sc (ISICPMS)	45	No Gas	10097616.31	0.7	99.9	60	125	
Sc (ISICPMS)	45	H2	3521981.16	0.0	101.0	60	125	
Sc (ISICPMS)	45	He	124796.71	1.3	97.2	60	125	
Ge (IS)	74	H2	673672.71	0.3	100.3	60	125	
Ge (IS)	74	He	66440.09	2.3	101.7	60	125	
Kr	83	He	130.13	23.1				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151350.21	2.4	94.5	60	125	
Tb (IS)	159	He	942840.83	2.2	100.9	60	125	
Bi (IS)	209	He	769831.04	1.3	96.5	60	125	

Sample Report

File Name 133SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:52:17

Sample Name **460-300335-a-3-b@5**

Comment ---

Dilution **1.0000**

Vial # 4505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.894	ug/l	5.1	2000	
B	11	6	No Gas	7.563	ug/l	3.3	2000	
Na	23	45	He	-21.637	ug/l	N/A	500000	
Mg	24	45	He	1282.018	ug/l	0.7	500000	
Al	27	45	He	17074.178	ug/l	0.2	500000	
K	39	45	He	1489.301	ug/l	5.2	500000	
Ca	40	45	H2	474.002	ug/l	2.2	1000000	
Ti	47	45	No Gas	117.161	ug/l	1.2	10000	
V	51	45	He	66.908	ug/l	1.0	5000	
Cr	52	45	He	106.390	ug/l	0.5	20000	
Mn	55	45	He	1043.376	ug/l	1.1	20000	
Fe	56	45	H2	113255.095	ug/l	1.6	500000	
Co	59	45	He	46.286	ug/l	0.5	2000	
Ni	60	45	He	39.118	ug/l	2.9	20000	
Cu	63	45	He	49.286	ug/l	1.5	20000	
Zn	66	45	He	123.446	ug/l	1.9	20000	
As	75	45	He	26.296	ug/l	1.4	5000	
Se	78	45	H2	0.906	ug/l	39.8	3000	
Sr	88	115	He	5.814	ug/l	2.1	5000	
Mo	95	115	He	2.582	ug/l	5.3	2000	
Ag	107	115	He	0.018	ug/l	50.5	1000	
Cd	111	115	He	0.153	ug/l	17.4	5000	
Sn	118	115	He	2.658	ug/l	7.9	2000	
Sb	121	115	He	0.479	ug/l	4.9	1000	
Ba	137	159	He	83.146	ug/l	1.6	20000	
Tl	205	209	He	0.079	ug/l	6.9	1000	
[Pb]	206	209	He	29.168	ug/l	1.2		
[Pb]	207	209	He	28.065	ug/l	0.8		
Pb	208	209	He	28.603	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10954584.56	1.4	94.0	60	125	
Sc (ISICPMS)	45	No Gas	10120323.74	1.3	100.2	60	125	
Sc (ISICPMS)	45	H2	3490301.86	0.8	100.1	60	125	
Sc (ISICPMS)	45	He	124425.54	1.3	96.9	60	125	
Ge (IS)	74	H2	707804.58	0.9	105.4	60	125	
Ge (IS)	74	He	69473.96	1.6	106.4	60	125	
Kr	83	He	26.69	57.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157859.33	1.1	98.6	60	125	
Tb (IS)	159	He	932845.63	1.0	99.9	60	125	
Bi (IS)	209	He	811476.19	0.5	101.8	60	125	

Sample Report

File Name 134SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:54:42

Sample Name **460-300335-a-13-b@5**

Comment ---

Dilution **1.0000**

Vial # 4506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.170	ug/l	1.1	2000	
B	11	6	No Gas	7.088	ug/l	2.3	2000	
Na	23	45	He	12.014	ug/l	23.1	500000	
Mg	24	45	He	2840.256	ug/l	1.1	500000	
Al	27	45	He	23334.664	ug/l	0.7	500000	
K	39	45	He	2166.856	ug/l	4.7	500000	
Ca	40	45	H2	519.236	ug/l	2.0	1000000	
Ti	47	45	No Gas	143.013	ug/l	6.3	10000	
V	51	45	He	62.365	ug/l	0.9	5000	
Cr	52	45	He	50.102	ug/l	0.3	20000	
Mn	55	45	He	726.642	ug/l	0.5	20000	
Fe	56	45	H2	120901.334	ug/l	1.1	500000	
Co	59	45	He	37.168	ug/l	0.6	2000	
Ni	60	45	He	43.633	ug/l	2.2	20000	
Cu	63	45	He	61.894	ug/l	0.8	20000	
Zn	66	45	He	140.013	ug/l	1.2	20000	
As	75	45	He	21.601	ug/l	4.2	5000	
Se	78	45	H2	1.614	ug/l	4.1	3000	
Sr	88	115	He	12.216	ug/l	3.2	5000	
Mo	95	115	He	3.661	ug/l	6.3	2000	
Ag	107	115	He	0.016	ug/l	32.0	1000	
Cd	111	115	He	0.135	ug/l	15.8	5000	
Sn	118	115	He	2.666	ug/l	13.6	2000	
Sb	121	115	He	0.401	ug/l	24.1	1000	
Ba	137	159	He	116.522	ug/l	1.4	20000	
Tl	205	209	He	0.185	ug/l	5.0	1000	
[Pb]	206	209	He	38.490	ug/l	0.2		
[Pb]	207	209	He	37.437	ug/l	0.7		
Pb	208	209	He	37.959	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11046163.45	0.7	94.8	60	125	
Sc (ISICPMS)	45	No Gas	9846580.13	1.3	97.5	60	125	
Sc (ISICPMS)	45	H2	3430236.96	0.5	98.4	60	125	
Sc (ISICPMS)	45	He	122324.61	1.5	95.3	60	125	
Ge (IS)	74	H2	691746.98	1.5	103.0	60	125	
Ge (IS)	74	He	67955.21	1.2	104.0	60	125	
Kr	83	He	23.36	49.5				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152935.95	1.1	95.5	60	125	
Tb (IS)	159	He	919795.68	1.2	98.5	60	125	
Bi (IS)	209	He	788764.69	0.9	98.9	60	125	

Continuing Calibration Verification (CCV)

File Name 135_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:57:07

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.107	ug/l	1.1	100	90	110	
B	11	6	No Gas	243.620	ug/l	0.5	250	225	275	
Na	23	45	He	25067.108	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25097.682	ug/l	0.7	25000	22500	27500	
Al	27	45	He	24993.103	ug/l	0.4	25000	22500	27500	
K	39	45	He	24789.762	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24625.360	ug/l	1.2	25000	22500	27500	
Ti	47	45	No Gas	98.958	ug/l	1.4	100	90	110	
V	51	45	He	98.968	ug/l	1.8	100	90	110	
Cr	52	45	He	98.573	ug/l	2.3	100	90	110	
Mn	55	45	He	99.661	ug/l	2.3	100	90	110	
Fe	56	45	H2	24994.007	ug/l	1.0	25000	22500	27500	
Co	59	45	He	100.407	ug/l	0.9	100	90	110	
Ni	60	45	He	100.869	ug/l	2.2	100	90	110	
Cu	63	45	He	99.453	ug/l	1.6	100	90	110	
Zn	66	45	He	255.703	ug/l	1.3	250	225	275	
As	75	45	He	98.800	ug/l	1.1	100	90	110	
Se	78	45	H2	99.173	ug/l	2.0	100	90	110	
Sr	88	115	He	96.614	ug/l	0.5	100	90	110	
Mo	95	115	He	99.064	ug/l	1.4	100	90	110	
Ag	107	115	He	50.507	ug/l	0.8	50	45	55	
Cd	111	115	He	98.899	ug/l	1.0	100	90	110	
Sn	118	115	He	100.842	ug/l	1.9	100	90	110	
Sb	121	115	He	100.235	ug/l	1.9	100	90	110	
Ba	137	159	He	97.660	ug/l	2.0	100	90	110	
Tl	205	209	He	100.084	ug/l	0.3	100	90	110	
[Pb]	206	209	He	98.912	ug/l	0.4				
[Pb]	207	209	He	98.266	ug/l	0.8				
Pb	208	209	He	98.601	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10950310.95	0.6	94.0	60	125	
Sc (ISICPMS)	45	No Gas	9483698.19	0.7	93.9	60	125	
Sc (ISICPMS)	45	H2	3338034.43	1.2	95.7	60	125	
Sc (ISICPMS)	45	He	120175.55	0.7	93.6	60	125	
Ge (IS)	74	H2	671074.55	0.6	99.9	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	66749.07	2.2	102.2	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	153825.04	1.5	96.1	60	125	
Tb (IS)	159	He	914154.62	1.4	97.9	60	125	
Bi (IS)	209	He	777960.88	2.1	97.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 136_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 19:59:30

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	67.2	0.8	-0.8	0.8	
B	11	6	No Gas	4.351	ug/l	2.1	40	-40	40	
Na	23	45	He	-34.029	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.555	ug/l	18.1	200	-200	200	
Al	27	45	He	1.505	ug/l	59.3	40	-40	40	
K	39	45	He	-6.108	ug/l	N/A	200	-200	200	
Ca	40	45	H2	4.007	ug/l	39.4	500	-500	500	
Ti	47	45	No Gas	0.294	ug/l	34.6	4	-4	4	
V	51	45	He	-0.165	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.530	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.028	ug/l	N/A	8	-8	8	
Fe	56	45	H2	4.566	ug/l	29.3	60	-60	60	
Co	59	45	He	-0.003	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.037	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.555	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.083	ug/l	52.3	16	-16	16	
As	75	45	He	0.112	ug/l	71.3	2	-2	2	
Se	78	45	H2	0.241	ug/l	35.0	2.5	-2.5	2.5	
Sr	88	115	He	0.001	ug/l	4676.9	4	-4	4	
Mo	95	115	He	0.080	ug/l	61.4	4	-4	4	
Ag	107	115	He	0.001	ug/l	260.9	2	-2	2	
Cd	111	115	He	0.004	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.025	ug/l	471.6	16	-16	16	
Sb	121	115	He	-0.040	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.047	ug/l	191.3	4	-4	4	
Tl	205	209	He	-0.143	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.038	ug/l	N/A				
[Pb]	207	209	He	0.008	ug/l	57.7				
Pb	208	209	He	-0.013	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10958977.62	0.5	94.1	60	125	
Sc (ISICPMS)	45	No Gas	9773241.80	1.4	96.7	60	125	
Sc (ISICPMS)	45	H2	3356606.97	1.2	96.3	60	125	
Sc (ISICPMS)	45	He	122853.35	0.8	95.7	60	125	
Ge (IS)	74	H2	664722.67	0.6	99.0	60	125	
Ge (IS)	74	He	65586.74	2.2	100.4	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	158354.37	0.6	98.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	927391.71	0.9	99.3	60	125	
Bi (IS)	209	He	807157.01	0.7	101.2	60	125	

Sample Report

File Name 137SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:01:55

Sample Name **460-300398-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.286	ug/l	1.8	2000	
B	11	6	No Gas	33.542	ug/l	0.4	2000	
Na	23	45	He	3656.771	ug/l	0.8	500000	
Mg	24	45	He	21363.609	ug/l	0.6	500000	
Al	27	45	He	84588.553	ug/l	0.5	500000	
K	39	45	He	6232.994	ug/l	1.0	500000	
Ca	40	45	H2	20203.708	ug/l	0.6	1000000	
Ti	47	45	No Gas	3681.233	ug/l	0.6	10000	
V	51	45	He	408.512	ug/l	0.6	5000	
Cr	52	45	He	168.356	ug/l	1.1	20000	
Mn	55	45	He	4098.777	ug/l	1.0	20000	
Fe	56	45	H2	299312.985	ug/l	0.9	500000	
Co	59	45	He	58.291	ug/l	1.6	2000	
Ni	60	45	He	128.247	ug/l	0.6	20000	
Cu	63	45	He	225.767	ug/l	0.9	20000	
Zn	66	45	He	271.450	ug/l	0.7	20000	
As	75	45	He	24.088	ug/l	1.8	5000	
Se	78	45	H2	1.078	ug/l	3.5	3000	
Sr	88	115	He	90.860	ug/l	1.7	5000	
Mo	95	115	He	4.772	ug/l	0.3	2000	
Ag	107	115	He	0.164	ug/l	10.8	1000	
Cd	111	115	He	0.667	ug/l	13.1	5000	
Sn	118	115	He	5.703	ug/l	6.7	2000	
Sb	121	115	He	0.808	ug/l	9.1	1000	
Ba	137	159	He	470.211	ug/l	0.9	20000	
Tl	205	209	He	0.625	ug/l	5.1	1000	
[Pb]	206	209	He	53.374	ug/l	0.6		
[Pb]	207	209	He	51.691	ug/l	0.8		
Pb	208	209	He	52.508	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11095401.08	0.5	95.2	60	125	
Sc (ISICPMS)	45	No Gas	10020466.79	0.3	99.2	60	125	
Sc (ISICPMS)	45	H2	3539055.26	0.6	101.5	60	125	
Sc (ISICPMS)	45	He	127172.70	0.9	99.1	60	125	
Ge (IS)	74	H2	679116.65	0.0	101.1	60	125	
Ge (IS)	74	He	67059.49	2.1	102.7	60	125	
Kr	83	He	63.40	48.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152839.54	1.6	95.4	60	125	
Tb (IS)	159	He	934488.17	1.2	100.0	60	125	
Bi (IS)	209	He	781761.26	1.5	98.0	60	125	

Sample Report

File Name 138SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:04:20

Sample Name **SD 460-300398-a-2-e@5**

Comment ---

Dilution **1.0000**

Vial # 3304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.859	ug/l	2.1	2000	
B	11	6	No Gas	8.584	ug/l	3.5	2000	
Na	23	45	He	734.155	ug/l	1.7	500000	
Mg	24	45	He	4430.682	ug/l	0.5	500000	
Al	27	45	He	17517.642	ug/l	0.3	500000	
K	39	45	He	1320.146	ug/l	5.5	500000	
Ca	40	45	H2	4168.991	ug/l	1.4	1000000	
Ti	47	45	No Gas	759.522	ug/l	0.6	10000	
V	51	45	He	85.079	ug/l	1.2	5000	
Cr	52	45	He	34.757	ug/l	0.3	20000	
Mn	55	45	He	878.617	ug/l	0.9	20000	
Fe	56	45	H2	62415.997	ug/l	0.8	500000	
Co	59	45	He	12.066	ug/l	0.6	2000	
Ni	60	45	He	26.807	ug/l	1.0	20000	
Cu	63	45	He	47.333	ug/l	1.4	20000	
Zn	66	45	He	57.784	ug/l	1.8	20000	
As	75	45	He	4.867	ug/l	12.0	5000	
Se	78	45	H2	0.241	ug/l	67.7	3000	
Sr	88	115	He	17.636	ug/l	3.2	5000	
Mo	95	115	He	0.906	ug/l	9.9	2000	
Ag	107	115	He	0.029	ug/l	39.3	1000	
Cd	111	115	He	0.120	ug/l	28.2	5000	
Sn	118	115	He	1.027	ug/l	8.6	2000	
Sb	121	115	He	0.135	ug/l	31.1	1000	
Ba	137	159	He	93.084	ug/l	1.5	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	10.587	ug/l	1.0		
[Pb]	207	209	He	10.081	ug/l	0.5		
Pb	208	209	He	10.336	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11015794.28	1.1	94.6	60	125	
Sc (ISICPMS)	45	No Gas	9616881.73	0.7	95.2	60	125	
Sc (ISICPMS)	45	H2	3353382.24	1.0	96.2	60	125	
Sc (ISICPMS)	45	He	121528.71	1.9	94.7	60	125	
Ge (IS)	74	H2	678001.99	1.3	100.9	60	125	
Ge (IS)	74	He	67047.38	2.4	102.6	60	125	
Kr	83	He	20.02	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154412.49	2.8	96.4	60	125	
Tb (IS)	159	He	925238.74	1.3	99.1	60	125	
Bi (IS)	209	He	787680.02	1.1	98.8	60	125	

Sample Report

File Name 139SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:06:45

Sample Name **460-300360-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.161	ug/l	7.8	2000	
B	11	6	No Gas	414.485	ug/l	0.2	2000	
Na	23	45	He	5685.984	ug/l	0.8	500000	
Mg	24	45	He	449.536	ug/l	1.1	500000	
Al	27	45	He	1034.241	ug/l	0.9	500000	
K	39	45	He	385.269	ug/l	16.3	500000	
Ca	40	45	H2	1270.646	ug/l	1.0	1000000	
Ti	47	45	No Gas	329.742	ug/l	0.7	10000	
V	51	45	He	3.710	ug/l	1.6	5000	
Cr	52	45	He	147.541	ug/l	0.8	20000	
Mn	55	45	He	80.142	ug/l	1.0	20000	
Fe	56	45	H2	1344.790	ug/l	1.3	500000	
Co	59	45	He	2.173	ug/l	2.6	2000	
Ni	60	45	He	76.293	ug/l	1.3	20000	
Cu	63	45	He	32.805	ug/l	1.0	20000	
Zn	66	45	He	1818.883	ug/l	1.0	20000	
As	75	45	He	1.984	ug/l	11.3	5000	
Se	78	45	H2	0.250	ug/l	18.2	3000	
Sr	88	115	He	6.977	ug/l	3.0	5000	
Mo	95	115	He	17.308	ug/l	3.4	2000	
Ag	107	115	He	0.170	ug/l	17.1	1000	
Cd	111	115	He	0.429	ug/l	5.6	5000	
Sn	118	115	He	363.105	ug/l	1.1	2000	
Sb	121	115	He	0.858	ug/l	6.4	1000	
Ba	137	159	He	13.819	ug/l	3.4	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	24.768	ug/l	1.0		
[Pb]	207	209	He	24.717	ug/l	0.9		
Pb	208	209	He	24.855	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11139980.39	1.0	95.6	60	125	
Sc (ISICPMS)	45	No Gas	9846213.12	0.4	97.4	60	125	
Sc (ISICPMS)	45	H2	3339168.77	0.9	95.8	60	125	
Sc (ISICPMS)	45	He	121342.19	1.4	94.5	60	125	
Ge (IS)	74	H2	691338.90	0.8	102.9	60	125	
Ge (IS)	74	He	68054.72	1.2	104.2	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	159310.00	2.7	99.5	60	125	
Tb (IS)	159	He	928959.68	1.9	99.5	60	125	
Bi (IS)	209	He	824793.89	1.3	103.4	60	125	

Sample Report

File Name 140SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:09:09

Sample Name **460-300360-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 3306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.396	ug/l	5.0	2000	
B	11	6	No Gas	102.421	ug/l	1.2	2000	
Na	23	45	He	11322.982	ug/l	0.5	500000	
Mg	24	45	He	502.815	ug/l	3.1	500000	
Al	27	45	He	921.722	ug/l	1.3	500000	
K	39	45	He	716.221	ug/l	16.5	500000	
Ca	40	45	H2	1417.501	ug/l	1.5	1000000	
Ti	47	45	No Gas	361.275	ug/l	0.5	10000	
V	51	45	He	5.408	ug/l	0.8	5000	
Cr	52	45	He	206.034	ug/l	1.3	20000	
Mn	55	45	He	63.019	ug/l	0.5	20000	
Fe	56	45	H2	923.605	ug/l	0.7	500000	
Co	59	45	He	2.510	ug/l	1.3	2000	
Ni	60	45	He	26.824	ug/l	1.8	20000	
Cu	63	45	He	26.286	ug/l	0.7	20000	
Zn	66	45	He	675.779	ug/l	0.8	20000	
As	75	45	He	1.963	ug/l	1.5	5000	
Se	78	45	H2	1.018	ug/l	9.1	3000	
Sr	88	115	He	6.802	ug/l	4.8	5000	
Mo	95	115	He	12.226	ug/l	0.9	2000	
Ag	107	115	He	0.363	ug/l	4.8	1000	
Cd	111	115	He	0.394	ug/l	5.6	5000	
Sn	118	115	He	51.103	ug/l	1.2	2000	
Sb	121	115	He	1.428	ug/l	7.0	1000	
Ba	137	159	He	14.435	ug/l	3.4	20000	
Tl	205	209	He	-0.163	ug/l	N/A	1000	
[Pb]	206	209	He	15.764	ug/l	0.9		
[Pb]	207	209	He	16.108	ug/l	1.3		
Pb	208	209	He	16.007	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11153398.72	1.3	95.7	60	125	
Sc (ISICPMS)	45	No Gas	9699641.03	1.3	96.0	60	125	
Sc (ISICPMS)	45	H2	3377179.01	1.6	96.9	60	125	
Sc (ISICPMS)	45	He	119766.60	2.7	93.3	60	125	
Ge (IS)	74	H2	695736.08	1.4	103.6	60	125	
Ge (IS)	74	He	68749.52	3.0	105.2	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	162588.29	1.8	101.5	60	125	
Tb (IS)	159	He	930497.89	1.2	99.6	60	125	
Bi (IS)	209	He	830459.69	1.5	104.1	60	125	

Sample Report

File Name 141SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:11:33

Sample Name **460-300398-a-4-a**

Comment ---

Dilution **1.0000**

Vial # 3307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.334	ug/l	0.8	2000	
B	11	6	No Gas	28.687	ug/l	0.8	2000	
Na	23	45	He	1203.009	ug/l	0.4	500000	
Mg	24	45	He	21234.586	ug/l	0.6	500000	
Al	27	45	He	55352.130	ug/l	1.1	500000	
K	39	45	He	8025.281	ug/l	1.5	500000	
Ca	40	45	H2	11996.556	ug/l	0.9	1000000	
Ti	47	45	No Gas	4183.700	ug/l	0.8	10000	
V	51	45	He	313.072	ug/l	0.7	5000	
Cr	52	45	He	162.099	ug/l	0.5	20000	
Mn	55	45	He	4860.772	ug/l	0.5	20000	
Fe	56	45	H2	267055.781	ug/l	0.8	500000	
Co	59	45	He	68.429	ug/l	1.3	2000	
Ni	60	45	He	110.012	ug/l	1.0	20000	
Cu	63	45	He	185.338	ug/l	0.7	20000	
Zn	66	45	He	253.488	ug/l	0.2	20000	
As	75	45	He	20.715	ug/l	3.9	5000	
Se	78	45	H2	1.216	ug/l	11.0	3000	
Sr	88	115	He	57.921	ug/l	0.8	5000	
Mo	95	115	He	5.534	ug/l	3.8	2000	
Ag	107	115	He	0.195	ug/l	3.0	1000	
Cd	111	115	He	0.892	ug/l	7.3	5000	
Sn	118	115	He	4.576	ug/l	5.4	2000	
Sb	121	115	He	0.882	ug/l	6.3	1000	
Ba	137	159	He	363.106	ug/l	0.1	20000	
Tl	205	209	He	0.806	ug/l	1.5	1000	
[Pb]	206	209	He	110.804	ug/l	0.2		
[Pb]	207	209	He	108.170	ug/l	0.9		
Pb	208	209	He	109.870	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10937614.84	0.7	93.9	60	125	
Sc (ISICPMS)	45	No Gas	10122807.69	0.7	100.2	60	125	
Sc (ISICPMS)	45	H2	3516108.00	0.7	100.8	60	125	
Sc (ISICPMS)	45	He	125467.91	2.1	97.7	60	125	
Ge (IS)	74	H2	674548.29	0.4	100.4	60	125	
Ge (IS)	74	He	67257.51	2.2	103.0	60	125	
Kr	83	He	80.08	43.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153157.65	2.8	95.6	60	125	
Tb (IS)	159	He	932981.89	1.2	99.9	60	125	
Bi (IS)	209	He	783573.84	1.8	98.3	60	125	

Sample Report

File Name 142SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:13:57

Sample Name **460-300398-a-5-a**

Comment ---

Dilution **1.0000**

Vial # 3308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.717	ug/l	2.6	2000	
B	11	6	No Gas	21.777	ug/l	2.1	2000	
Na	23	45	He	793.782	ug/l	1.2	500000	
Mg	24	45	He	13388.963	ug/l	0.4	500000	
Al	27	45	He	48310.810	ug/l	0.3	500000	
K	39	45	He	5746.777	ug/l	0.8	500000	
Ca	40	45	H2	4675.009	ug/l	1.0	1000000	
Ti	47	45	No Gas	1871.444	ug/l	1.0	10000	
V	51	45	He	119.972	ug/l	0.3	5000	
Cr	52	45	He	82.823	ug/l	0.9	20000	
Mn	55	45	He	2095.427	ug/l	0.3	20000	
Fe	56	45	H2	106405.122	ug/l	0.8	500000	
Co	59	45	He	32.510	ug/l	1.3	2000	
Ni	60	45	He	80.158	ug/l	0.6	20000	
Cu	63	45	He	121.788	ug/l	1.0	20000	
Zn	66	45	He	234.670	ug/l	1.2	20000	
As	75	45	He	12.807	ug/l	3.9	5000	
Se	78	45	H2	0.548	ug/l	10.5	3000	
Sr	88	115	He	23.016	ug/l	1.0	5000	
Mo	95	115	He	1.790	ug/l	4.1	2000	
Ag	107	115	He	0.244	ug/l	13.1	1000	
Cd	111	115	He	0.209	ug/l	5.4	5000	
Sn	118	115	He	2.036	ug/l	5.2	2000	
Sb	121	115	He	0.339	ug/l	11.9	1000	
Ba	137	159	He	296.169	ug/l	1.3	20000	
Tl	205	209	He	0.256	ug/l	6.4	1000	
[Pb]	206	209	He	25.285	ug/l	0.9		
[Pb]	207	209	He	24.431	ug/l	0.6		
Pb	208	209	He	24.857	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10911110.25	1.2	93.7	60	125	
Sc (ISICPMS)	45	No Gas	9840689.43	1.0	97.4	60	125	
Sc (ISICPMS)	45	H2	3430711.44	0.5	98.4	60	125	
Sc (ISICPMS)	45	He	121750.25	1.5	94.8	60	125	
Ge (IS)	74	H2	684315.93	0.6	101.9	60	125	
Ge (IS)	74	He	66518.08	1.9	101.8	60	125	
Kr	83	He	60.06	33.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153391.72	2.0	95.8	60	125	
Tb (IS)	159	He	923637.91	1.0	98.9	60	125	
Bi (IS)	209	He	784182.41	0.8	98.3	60	125	

Sample Report

File Name 143SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:16:23

Sample Name **460-300398-a-6-a**

Comment ---

Dilution **1.0000**

Vial # 3309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.139	ug/l	1.7	2000	
B	11	6	No Gas	24.348	ug/l	1.3	2000	
Na	23	45	He	1247.730	ug/l	1.4	500000	
Mg	24	45	He	25424.758	ug/l	0.7	500000	
Al	27	45	He	66052.078	ug/l	1.1	500000	
K	39	45	He	5858.724	ug/l	0.4	500000	
Ca	40	45	H2	13092.430	ug/l	0.9	1000000	
Ti	47	45	No Gas	4211.417	ug/l	0.6	10000	
V	51	45	He	344.986	ug/l	1.6	5000	
Cr	52	45	He	247.832	ug/l	1.9	20000	
Mn	55	45	He	4253.774	ug/l	0.4	20000	
Fe	56	45	H2	241339.943	ug/l	0.8	500000	
Co	59	45	He	51.657	ug/l	1.7	2000	
Ni	60	45	He	110.810	ug/l	2.4	20000	
Cu	63	45	He	157.541	ug/l	1.1	20000	
Zn	66	45	He	236.449	ug/l	0.7	20000	
As	75	45	He	24.105	ug/l	3.6	5000	
Se	78	45	H2	3.313	ug/l	8.7	3000	
Sr	88	115	He	61.784	ug/l	0.2	5000	
Mo	95	115	He	4.229	ug/l	7.0	2000	
Ag	107	115	He	0.135	ug/l	7.3	1000	
Cd	111	115	He	0.458	ug/l	13.1	5000	
Sn	118	115	He	3.825	ug/l	9.2	2000	
Sb	121	115	He	0.774	ug/l	6.4	1000	
Ba	137	159	He	428.208	ug/l	1.1	20000	
Tl	205	209	He	0.480	ug/l	5.5	1000	
[Pb]	206	209	He	38.054	ug/l	1.0		
[Pb]	207	209	He	36.411	ug/l	0.3		
Pb	208	209	He	37.252	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10912095.39	1.1	93.7	60	125	
Sc (ISICPMS)	45	No Gas	10021493.95	0.5	99.2	60	125	
Sc (ISICPMS)	45	H2	3526960.57	1.0	101.1	60	125	
Sc (ISICPMS)	45	He	123966.69	0.9	96.6	60	125	
Ge (IS)	74	H2	671846.28	0.9	100.0	60	125	
Ge (IS)	74	He	66840.66	2.1	102.3	60	125	
Kr	83	He	90.09	19.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151028.90	2.0	94.3	60	125	
Tb (IS)	159	He	925232.76	1.1	99.1	60	125	
Bi (IS)	209	He	791408.75	2.5	99.2	60	125	

Sample Report

File Name 144SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:18:47

Sample Name **460-300398-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.536	ug/l	2.0	2000	
B	11	6	No Gas	25.055	ug/l	1.7	2000	
Na	23	45	He	1232.106	ug/l	1.6	500000	
Mg	24	45	He	26530.090	ug/l	0.9	500000	
Al	27	45	He	70759.578	ug/l	0.4	500000	
K	39	45	He	8644.464	ug/l	1.4	500000	
Ca	40	45	H2	10297.541	ug/l	1.7	1000000	
Ti	47	45	No Gas	3817.650	ug/l	1.0	10000	
V	51	45	He	308.475	ug/l	0.5	5000	
Cr	52	45	He	180.474	ug/l	0.5	20000	
Mn	55	45	He	6336.478	ug/l	0.6	20000	
Fe	56	45	H2	282498.314	ug/l	1.4	500000	
Co	59	45	He	57.623	ug/l	0.4	2000	
Ni	60	45	He	133.683	ug/l	1.2	20000	
Cu	63	45	He	173.913	ug/l	1.6	20000	
Zn	66	45	He	325.990	ug/l	1.1	20000	
As	75	45	He	29.008	ug/l	4.5	5000	
Se	78	45	H2	1.346	ug/l	10.8	3000	
Sr	88	115	He	57.570	ug/l	1.3	5000	
Mo	95	115	He	4.860	ug/l	3.8	2000	
Ag	107	115	He	0.110	ug/l	2.8	1000	
Cd	111	115	He	0.856	ug/l	27.9	5000	
Sn	118	115	He	3.873	ug/l	3.0	2000	
Sb	121	115	He	0.883	ug/l	7.3	1000	
Ba	137	159	He	500.987	ug/l	0.5	20000	
Tl	205	209	He	1.148	ug/l	4.0	1000	
[Pb]	206	209	He	46.292	ug/l	0.8		
[Pb]	207	209	He	44.285	ug/l	1.3		
Pb	208	209	He	46.764	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10889975.95	1.6	93.5	60	125	
Sc (ISICPMS)	45	No Gas	9963327.56	0.3	98.6	60	125	
Sc (ISICPMS)	45	H2	3452903.04	1.0	99.0	60	125	
Sc (ISICPMS)	45	He	121089.03	2.1	94.3	60	125	
Ge (IS)	74	H2	664818.75	0.9	99.0	60	125	
Ge (IS)	74	He	64459.32	1.8	98.7	60	125	
Kr	83	He	73.41	41.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147273.93	1.7	92.0	60	125	
Tb (IS)	159	He	915887.99	1.2	98.1	60	125	
Bi (IS)	209	He	758407.67	1.1	95.1	60	125	

Sample Report

File Name 145SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:21:12

Sample Name **460-300398-a-3-a**

Comment ---

Dilution **1.0000**

Vial # 3311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.965	ug/l	1.2	2000	
B	11	6	No Gas	18.631	ug/l	1.2	2000	
Na	23	45	He	716.091	ug/l	0.5	500000	
Mg	24	45	He	11706.087	ug/l	0.8	500000	
Al	27	45	He	37279.059	ug/l	0.6	500000	
K	39	45	He	4086.109	ug/l	0.7	500000	
Ca	40	45	H2	7006.136	ug/l	0.7	1000000	
Ti	47	45	No Gas	2304.324	ug/l	1.7	10000	
V	51	45	He	138.425	ug/l	0.4	5000	
Cr	52	45	He	79.092	ug/l	2.6	20000	
Mn	55	45	He	2341.512	ug/l	0.5	20000	
Fe	56	45	H2	95809.242	ug/l	0.6	500000	
Co	59	45	He	29.553	ug/l	0.6	2000	
Ni	60	45	He	61.085	ug/l	1.4	20000	
Cu	63	45	He	75.657	ug/l	0.7	20000	
Zn	66	45	He	125.385	ug/l	2.3	20000	
As	75	45	He	9.668	ug/l	10.0	5000	
Se	78	45	H2	0.622	ug/l	6.6	3000	
Sr	88	115	He	30.120	ug/l	3.6	5000	
Mo	95	115	He	1.345	ug/l	4.3	2000	
Ag	107	115	He	0.051	ug/l	23.3	1000	
Cd	111	115	He	0.277	ug/l	22.8	5000	
Sn	118	115	He	2.390	ug/l	4.2	2000	
Sb	121	115	He	0.310	ug/l	18.0	1000	
Ba	137	159	He	257.104	ug/l	1.5	20000	
Tl	205	209	He	0.127	ug/l	10.0	1000	
[Pb]	206	209	He	28.026	ug/l	0.8		
[Pb]	207	209	He	26.820	ug/l	1.3		
Pb	208	209	He	27.413	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10907249.14	1.1	93.6	60	125	
Sc (ISICPMS)	45	No Gas	9749426.94	1.1	96.5	60	125	
Sc (ISICPMS)	45	H2	3393325.16	0.9	97.3	60	125	
Sc (ISICPMS)	45	He	119416.44	0.9	93.0	60	125	
Ge (IS)	74	H2	672122.44	1.6	100.1	60	125	
Ge (IS)	74	He	66353.07	1.8	101.6	60	125	
Kr	83	He	76.74	27.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151031.06	2.8	94.3	60	125	
Tb (IS)	159	He	920491.85	1.2	98.5	60	125	
Bi (IS)	209	He	781894.60	1.8	98.1	60	125	

Sample Report

File Name 146SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:23:35

Sample Name **460-300400-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 3312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.474	ug/l	6.8	2000	
B	11	6	No Gas	453.139	ug/l	0.2	2000	
Na	23	45	He	18176.051	ug/l	1.3	500000	
Mg	24	45	He	50620.144	ug/l	1.3	500000	
Al	27	45	He	9473.014	ug/l	0.6	500000	
K	39	45	He	21356.430	ug/l	0.5	500000	
Ca	40	45	H2	109179.281	ug/l	0.1	1000000	
Ti	47	45	No Gas	972.885	ug/l	1.4	10000	
V	51	45	He	1131.447	ug/l	0.3	5000	
Cr	52	45	He	9673.386	ug/l	1.1	20000	
Mn	55	45	He	53395.523	ug/l	1.1	20000	>LDR 6020B□>LDR 200.8
Fe	56	45	H2	567470.289	ug/l	0.3	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	86.774	ug/l	0.5	2000	
Ni	60	45	He	945.454	ug/l	0.9	20000	
Cu	63	45	He	4987.645	ug/l	0.4	20000	
Zn	66	45	He	547248.015	ug/l	0.7	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	47.598	ug/l	4.8	5000	
Se	78	45	H2	8.948	ug/l	2.6	3000	
Sr	88	115	He	201.137	ug/l	1.4	5000	
Mo	95	115	He	245.651	ug/l	0.9	2000	
Ag	107	115	He	131.288	ug/l	1.0	1000	
Cd	111	115	He	874.412	ug/l	1.2	5000	
Sn	118	115	He	620.746	ug/l	1.4	2000	
Sb	121	115	He	268.875	ug/l	0.9	1000	
Ba	137	159	He	861.547	ug/l	0.9	20000	
Tl	205	209	He	0.373	ug/l	1.7	1000	
[Pb]	206	209	He	9041.238	ug/l	0.6		
[Pb]	207	209	He	8915.845	ug/l	0.2		
Pb	208	209	He	8965.896	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10508709.08	1.0	90.2	60	125	
Sc (ISICPMS)	45	No Gas	9325955.28	0.6	92.3	60	125	
Sc (ISICPMS)	45	H2	3273579.64	0.7	93.9	60	125	
Sc (ISICPMS)	45	He	115821.42	2.2	90.2	60	125	
Ge (IS)	74	H2	671232.06	1.1	99.9	60	125	
Ge (IS)	74	He	66856.82	1.2	102.3	60	125	
Kr	83	He	30.03	33.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156743.83	1.7	97.9	60	125	
Tb (IS)	159	He	910805.35	0.8	97.5	60	125	
Bi (IS)	209	He	2095505.26	1.2	262.8	60	125	fail

Continuing Calibration Verification (CCV)

File Name 147_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:26:00

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.594	ug/l	2.3	100	90	110	
B	11	6	No Gas	246.221	ug/l	1.1	250	225	275	
Na	23	45	He	25174.309	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25040.782	ug/l	0.4	25000	22500	27500	
Al	27	45	He	25001.036	ug/l	0.6	25000	22500	27500	
K	39	45	He	24708.432	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	24559.121	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	99.199	ug/l	2.6	100	90	110	
V	51	45	He	98.490	ug/l	1.6	100	90	110	
Cr	52	45	He	100.775	ug/l	0.6	100	90	110	
Mn	55	45	He	103.085	ug/l	1.2	100	90	110	
Fe	56	45	H2	24947.674	ug/l	1.0	25000	22500	27500	
Co	59	45	He	102.328	ug/l	0.5	100	90	110	
Ni	60	45	He	102.856	ug/l	1.2	100	90	110	
Cu	63	45	He	101.830	ug/l	1.2	100	90	110	
Zn	66	45	He	313.556	ug/l	0.9	250	225	275	failed
As	75	45	He	98.169	ug/l	1.3	100	90	110	
Se	78	45	H2	98.539	ug/l	1.6	100	90	110	
Sr	88	115	He	95.871	ug/l	1.0	100	90	110	
Mo	95	115	He	99.006	ug/l	1.0	100	90	110	
Ag	107	115	He	50.946	ug/l	1.9	50	45	55	
Cd	111	115	He	100.312	ug/l	2.3	100	90	110	
Sn	118	115	He	102.744	ug/l	1.4	100	90	110	
Sb	121	115	He	100.287	ug/l	0.7	100	90	110	
Ba	137	159	He	96.413	ug/l	1.4	100	90	110	
Tl	205	209	He	99.197	ug/l	1.7	100	90	110	
[Pb]	206	209	He	99.568	ug/l	0.8				
[Pb]	207	209	He	99.347	ug/l	1.3				
Pb	208	209	He	99.852	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10718155.26	1.5	92.0	60	125	
Sc (ISICPMS)	45	No Gas	9503980.21	1.3	94.1	60	125	
Sc (ISICPMS)	45	H2	3301548.70	0.7	94.7	60	125	
Sc (ISICPMS)	45	He	117696.15	1.2	91.7	60	125	
Ge (IS)	74	H2	669440.58	1.2	99.7	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	66131.77	1.7	101.2	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	152803.25	2.6	95.4	60	125	
Tb (IS)	159	He	917398.26	1.1	98.2	60	125	
Bi (IS)	209	He	778794.21	1.8	97.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 148_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:28:23

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	16.4	0.8	-0.8	0.8	
B	11	6	No Gas	5.115	ug/l	3.4	40	-40	40	
Na	23	45	He	-43.293	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.018	ug/l	17.5	200	-200	200	
Al	27	45	He	0.504	ug/l	85.8	40	-40	40	
K	39	45	He	18.620	ug/l	515.5	200	-200	200	
Ca	40	45	H2	4.616	ug/l	16.3	500	-500	500	
Ti	47	45	No Gas	0.448	ug/l	92.4	4	-4	4	
V	51	45	He	-0.191	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.296	ug/l	N/A	4	-4	4	
Mn	55	45	He	1.037	ug/l	9.8	8	-8	8	
Fe	56	45	H2	11.163	ug/l	8.7	60	-60	60	
Co	59	45	He	-0.004	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.059	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.492	ug/l	N/A	4	-4	4	
Zn	66	45	He	19.214	ug/l	4.5	16	-16	16	> water RL
As	75	45	He	0.039	ug/l	11.9	2	-2	2	
Se	78	45	H2	0.102	ug/l	19.7	2.5	-2.5	2.5	
Sr	88	115	He	0.008	ug/l	440.8	4	-4	4	
Mo	95	115	He	0.073	ug/l	19.0	4	-4	4	
Ag	107	115	He	0.001	ug/l	727.2	2	-2	2	
Cd	111	115	He	0.014	ug/l	101.3	2	-2	2	
Sn	118	115	He	-0.007	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.034	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.031	ug/l	81.0	4	-4	4	
Tl	205	209	He	-0.151	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.393	ug/l	4.3				
[Pb]	207	209	He	0.465	ug/l	7.8				
Pb	208	209	He	0.429	ug/l	2.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10654714.70	0.6	91.5	60	125	
Sc (ISICPMS)	45	No Gas	9431096.66	0.9	93.3	60	125	
Sc (ISICPMS)	45	H2	3278847.83	0.7	94.0	60	125	
Sc (ISICPMS)	45	He	116806.48	2.5	91.0	60	125	
Ge (IS)	74	H2	647356.55	0.2	96.4	60	125	
Ge (IS)	74	He	63390.11	1.2	97.0	60	125	
Kr	83	He	13.35	114.6				
In-1	115	He	154826.05	1.9	96.7	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	907859.73	1.2	97.2	60	125	
Bi (IS)	209	He	791598.30	1.0	99.3	60	125	

Sample Report

File Name 149SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:30:48

Sample Name **460-300390-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 3401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	32.693	ug/l	1.6	2000	
B	11	6	No Gas	2712.327	ug/l	1.5	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	3283.418	ug/l	0.1	500000	
Mg	24	45	He	109852.220	ug/l	0.4	500000	
Al	27	45	He	235836.777	ug/l	0.4	500000	
K	39	45	He	333184.412	ug/l	0.4	500000	
Ca	40	45	H2	1686.235	ug/l	0.3	1000000	
Ti	47	45	No Gas	653.013	ug/l	1.0	10000	
V	51	45	He	547.908	ug/l	0.3	5000	
Cr	52	45	He	2331.605	ug/l	0.4	20000	
Mn	55	45	He	124.059	ug/l	0.2	20000	
Fe	56	45	H2	910285.073	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	54.515	ug/l	0.5	2000	
Ni	60	45	He	175.015	ug/l	0.8	20000	
Cu	63	45	He	17.119	ug/l	0.7	20000	
Zn	66	45	He	1428.148	ug/l	0.4	20000	
As	75	45	He	159.466	ug/l	2.4	5000	
Se	78	45	H2	11.588	ug/l	2.6	3000	
Sr	88	115	He	32.884	ug/l	2.3	5000	
Mo	95	115	He	4.076	ug/l	6.9	2000	
Ag	107	115	He	0.298	ug/l	6.8	1000	
Cd	111	115	He	7.459	ug/l	7.4	5000	
Sn	118	115	He	7.027	ug/l	2.8	2000	
Sb	121	115	He	10.306	ug/l	1.9	1000	
Ba	137	159	He	247.841	ug/l	0.8	20000	
Tl	205	209	He	1.410	ug/l	2.6	1000	
[Pb]	206	209	He	59.052	ug/l	0.6		
[Pb]	207	209	He	55.825	ug/l	0.6		
Pb	208	209	He	57.120	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10282044.99	0.7	88.3	60	125	
Sc (ISICPMS)	45	No Gas	10017351.72	0.5	99.1	60	125	
Sc (ISICPMS)	45	H2	3583713.56	0.8	102.8	60	125	
Sc (ISICPMS)	45	He	125123.52	1.0	97.5	60	125	
Ge (IS)	74	H2	658612.97	0.9	98.0	60	125	
Ge (IS)	74	He	65290.86	1.8	99.9	60	125	
Kr	83	He	33.37	96.4				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147798.00	2.1	92.3	60	125	
Tb (IS)	159	He	910468.44	1.2	97.5	60	125	
Bi (IS)	209	He	747586.50	1.0	93.8	60	125	

Sample Report

File Name 150SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:33:12

Sample Name **460-300390-a-4-a**

Comment ---

Dilution **1.0000**

Vial # 3402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	32.747	ug/l	2.7	2000	
B	11	6	No Gas	2788.133	ug/l	1.0	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	353.680	ug/l	2.2	500000	
Mg	24	45	He	115141.876	ug/l	0.8	500000	
Al	27	45	He	241837.091	ug/l	0.9	500000	
K	39	45	He	314808.500	ug/l	0.6	500000	
Ca	40	45	H2	1417.125	ug/l	0.6	1000000	
Ti	47	45	No Gas	599.196	ug/l	1.5	10000	
V	51	45	He	819.768	ug/l	0.8	5000	
Cr	52	45	He	3695.502	ug/l	0.6	20000	
Mn	55	45	He	127.936	ug/l	1.0	20000	
Fe	56	45	H2	901054.791	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	49.504	ug/l	0.6	2000	
Ni	60	45	He	119.703	ug/l	1.3	20000	
Cu	63	45	He	42.177	ug/l	1.2	20000	
Zn	66	45	He	755.652	ug/l	0.7	20000	
As	75	45	He	305.842	ug/l	0.5	5000	
Se	78	45	H2	26.440	ug/l	2.9	3000	
Sr	88	115	He	21.113	ug/l	3.7	5000	
Mo	95	115	He	66.425	ug/l	1.6	2000	
Ag	107	115	He	0.187	ug/l	8.7	1000	
Cd	111	115	He	0.217	ug/l	37.8	5000	
Sn	118	115	He	8.118	ug/l	4.5	2000	
Sb	121	115	He	16.346	ug/l	0.9	1000	
Ba	137	159	He	63.952	ug/l	2.3	20000	
Tl	205	209	He	6.790	ug/l	1.4	1000	
[Pb]	206	209	He	53.395	ug/l	0.9		
[Pb]	207	209	He	48.658	ug/l	1.6		
Pb	208	209	He	50.171	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10180993.46	1.1	87.4	60	125	
Sc (ISICPMS)	45	No Gas	10196547.76	1.3	100.9	60	125	
Sc (ISICPMS)	45	H2	3678930.92	1.1	105.5	60	125	
Sc (ISICPMS)	45	He	129236.72	2.5	100.7	60	125	
Ge (IS)	74	H2	660105.79	0.9	98.3	60	125	
Ge (IS)	74	He	65996.51	2.6	101.0	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151040.03	1.6	94.3	60	125	
Tb (IS)	159	He	906907.04	1.4	97.1	60	125	
Bi (IS)	209	He	750773.97	1.6	94.2	60	125	

Sample Report

File Name 151SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:35:38

Sample Name **460-300390-a-6-a**

Comment ---

Dilution **1.0000**

Vial # 3403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	27.117	ug/l	1.5	2000	
B	11	6	No Gas	2269.150	ug/l	0.4	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	328.524	ug/l	1.2	500000	
Mg	24	45	He	102055.365	ug/l	1.2	500000	
Al	27	45	He	189838.001	ug/l	1.4	500000	
K	39	45	He	275712.539	ug/l	0.9	500000	
Ca	40	45	H2	165.717	ug/l	1.3	1000000	
Ti	47	45	No Gas	412.373	ug/l	2.2	10000	
V	51	45	He	562.401	ug/l	1.5	5000	
Cr	52	45	He	2996.087	ug/l	1.4	20000	
Mn	55	45	He	92.218	ug/l	1.4	20000	
Fe	56	45	H2	695595.887	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	37.151	ug/l	0.7	2000	
Ni	60	45	He	105.214	ug/l	1.2	20000	
Cu	63	45	He	39.315	ug/l	0.5	20000	
Zn	66	45	He	800.312	ug/l	0.8	20000	
As	75	45	He	752.833	ug/l	1.2	5000	
Se	78	45	H2	55.250	ug/l	1.1	3000	
Sr	88	115	He	11.157	ug/l	1.6	5000	
Mo	95	115	He	59.903	ug/l	2.1	2000	
Ag	107	115	He	0.150	ug/l	4.7	1000	
Cd	111	115	He	0.823	ug/l	15.1	5000	
Sn	118	115	He	6.464	ug/l	1.6	2000	
Sb	121	115	He	38.676	ug/l	0.3	1000	
Ba	137	159	He	72.195	ug/l	1.0	20000	
Tl	205	209	He	1.398	ug/l	3.4	1000	
[Pb]	206	209	He	29.016	ug/l	0.3		
[Pb]	207	209	He	26.260	ug/l	0.8		
Pb	208	209	He	27.144	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10240257.21	0.5	87.9	60	125	
Sc (ISICPMS)	45	No Gas	10242754.08	1.3	101.4	60	125	
Sc (ISICPMS)	45	H2	3628855.64	0.3	104.1	60	125	
Sc (ISICPMS)	45	He	126894.30	1.8	98.8	60	125	
Ge (IS)	74	H2	683478.45	0.4	101.8	60	125	
Ge (IS)	74	He	67765.13	2.2	103.7	60	125	
Kr	83	He	43.38	87.4				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154906.48	1.2	96.7	60	125	
Tb (IS)	159	He	935313.26	0.9	100.1	60	125	
Bi (IS)	209	He	764785.68	0.9	95.9	60	125	

Sample Report

File Name 152SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:38:03

Sample Name **460-300390-a-8-a**

Comment ---

Dilution **1.0000**

Vial # 3404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	20.996	ug/l	2.7	2000	
B	11	6	No Gas	1663.483	ug/l	1.1	2000	
Na	23	45	He	265.301	ug/l	2.8	500000	
Mg	24	45	He	63935.151	ug/l	0.8	500000	
Al	27	45	He	169106.956	ug/l	1.0	500000	
K	39	45	He	173382.323	ug/l	0.2	500000	
Ca	40	45	H2	1020.999	ug/l	0.3	1000000	
Ti	47	45	No Gas	1609.927	ug/l	0.7	10000	
V	51	45	He	667.926	ug/l	0.7	5000	
Cr	52	45	He	1820.563	ug/l	0.6	20000	
Mn	55	45	He	151.592	ug/l	1.4	20000	
Fe	56	45	H2	510668.574	ug/l	0.1	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	34.489	ug/l	1.7	2000	
Ni	60	45	He	93.969	ug/l	0.7	20000	
Cu	63	45	He	23.318	ug/l	1.2	20000	
Zn	66	45	He	376.862	ug/l	1.1	20000	
As	75	45	He	172.318	ug/l	1.4	5000	
Se	78	45	H2	18.423	ug/l	1.6	3000	
Sr	88	115	He	21.798	ug/l	2.9	5000	
Mo	95	115	He	19.089	ug/l	1.0	2000	
Ag	107	115	He	0.153	ug/l	4.5	1000	
Cd	111	115	He	0.216	ug/l	37.9	5000	
Sn	118	115	He	6.487	ug/l	1.7	2000	
Sb	121	115	He	7.601	ug/l	3.9	1000	
Ba	137	159	He	54.365	ug/l	2.5	20000	
Tl	205	209	He	2.659	ug/l	2.1	1000	
[Pb]	206	209	He	59.970	ug/l	0.7		
[Pb]	207	209	He	56.431	ug/l	1.2		
Pb	208	209	He	58.095	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10370528.04	1.9	89.0	60	125	
Sc (ISICPMS)	45	No Gas	10273987.76	0.5	101.7	60	125	
Sc (ISICPMS)	45	H2	3614697.69	0.5	103.7	60	125	
Sc (ISICPMS)	45	He	126976.30	2.1	98.9	60	125	
Ge (IS)	74	H2	687172.14	0.8	102.3	60	125	
Ge (IS)	74	He	68122.82	2.9	104.3	60	125	
Kr	83	He	16.68	34.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155149.13	1.0	96.9	60	125	
Tb (IS)	159	He	932691.91	1.5	99.9	60	125	
Bi (IS)	209	He	772226.45	1.3	96.8	60	125	

Sample Report

File Name 153SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:40:28

Sample Name **460-300395-a-5-a**

Comment ---

Dilution **1.0000**

Vial # 3405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.777	ug/l	0.3	2000	
B	11	6	No Gas	70.853	ug/l	0.4	2000	
Na	23	45	He	5133.917	ug/l	1.0	500000	
Mg	24	45	He	73580.062	ug/l	0.9	500000	
Al	27	45	He	190287.047	ug/l	0.7	500000	
K	39	45	He	26978.988	ug/l	0.7	500000	
Ca	40	45	H2	38249.489	ug/l	0.3	1000000	
Ti	47	45	No Gas	16451.662	ug/l	2.1	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	474.573	ug/l	0.4	5000	
Cr	52	45	He	453.706	ug/l	0.7	20000	
Mn	55	45	He	2510.779	ug/l	0.5	20000	
Fe	56	45	H2	238086.657	ug/l	0.6	500000	
Co	59	45	He	125.259	ug/l	0.9	2000	
Ni	60	45	He	291.586	ug/l	0.5	20000	
Cu	63	45	He	329.810	ug/l	0.7	20000	
Zn	66	45	He	884.544	ug/l	0.5	20000	
As	75	45	He	31.148	ug/l	3.3	5000	
Se	78	45	H2	6.645	ug/l	3.9	3000	
Sr	88	115	He	135.855	ug/l	2.6	5000	
Mo	95	115	He	8.904	ug/l	3.4	2000	
Ag	107	115	He	0.992	ug/l	2.0	1000	
Cd	111	115	He	1.506	ug/l	15.2	5000	
Sn	118	115	He	10.527	ug/l	3.1	2000	
Sb	121	115	He	1.372	ug/l	7.4	1000	
Ba	137	159	He	1800.700	ug/l	1.8	20000	
Tl	205	209	He	2.769	ug/l	1.6	1000	
[Pb]	206	209	He	69.713	ug/l	0.7		
[Pb]	207	209	He	66.398	ug/l	0.7		
Pb	208	209	He	68.651	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10669606.30	0.6	91.6	60	125	
Sc (ISICPMS)	45	No Gas	10695875.40	1.3	105.9	60	125	
Sc (ISICPMS)	45	H2	3752255.22	0.6	107.6	60	125	
Sc (ISICPMS)	45	He	131469.24	1.3	102.4	60	125	
Ge (IS)	74	H2	694495.52	0.8	103.4	60	125	
Ge (IS)	74	He	69987.93	2.4	107.1	60	125	
Kr	83	He	320.33	32.9				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	156700.81	2.0	97.9	60	125	
Tb (IS)	159	He	1015632.11	0.6	108.7	60	125	
Bi (IS)	209	He	782944.16	1.6	98.2	60	125	

Sample Report

File Name 154SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:42:52

Sample Name **460-300395-a-6-a**

Comment ---

Dilution **1.0000**

Vial # 3406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.466	ug/l	1.2	2000	
B	11	6	No Gas	50.811	ug/l	2.4	2000	
Na	23	45	He	3612.069	ug/l	0.8	500000	
Mg	24	45	He	80214.509	ug/l	1.0	500000	
Al	27	45	He	178312.028	ug/l	0.9	500000	
K	39	45	He	38473.949	ug/l	0.1	500000	
Ca	40	45	H2	38262.917	ug/l	0.8	1000000	
Ti	47	45	No Gas	17300.689	ug/l	2.1	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	495.386	ug/l	0.6	5000	
Cr	52	45	He	592.529	ug/l	0.9	20000	
Mn	55	45	He	2384.358	ug/l	0.8	20000	
Fe	56	45	H2	249051.218	ug/l	0.1	500000	
Co	59	45	He	111.979	ug/l	0.9	2000	
Ni	60	45	He	322.763	ug/l	1.4	20000	
Cu	63	45	He	290.183	ug/l	1.3	20000	
Zn	66	45	He	947.388	ug/l	1.0	20000	
As	75	45	He	28.430	ug/l	0.8	5000	
Se	78	45	H2	5.138	ug/l	9.7	3000	
Sr	88	115	He	131.934	ug/l	2.0	5000	
Mo	95	115	He	7.163	ug/l	1.5	2000	
Ag	107	115	He	0.403	ug/l	4.0	1000	
Cd	111	115	He	2.037	ug/l	12.9	5000	
Sn	118	115	He	14.285	ug/l	2.8	2000	
Sb	121	115	He	2.733	ug/l	4.9	1000	
Ba	137	159	He	1327.544	ug/l	1.4	20000	
Tl	205	209	He	3.056	ug/l	2.1	1000	
[Pb]	206	209	He	71.399	ug/l	1.2		
[Pb]	207	209	He	67.271	ug/l	0.5		
Pb	208	209	He	69.985	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10598272.90	1.3	91.0	60	125	
Sc (ISICPMS)	45	No Gas	10675656.37	1.0	105.7	60	125	
Sc (ISICPMS)	45	H2	3719234.63	0.8	106.7	60	125	
Sc (ISICPMS)	45	He	130140.90	2.0	101.4	60	125	
Ge (IS)	74	H2	687790.85	0.1	102.4	60	125	
Ge (IS)	74	He	68805.02	2.0	105.3	60	125	
Kr	83	He	293.64	14.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152811.02	2.5	95.4	60	125	
Tb (IS)	159	He	1003583.21	1.0	107.4	60	125	
Bi (IS)	209	He	771577.91	1.5	96.8	60	125	

Sample Report

File Name 155SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:45:18

Sample Name **460-300395-a-7-a**

Comment ---

Dilution **1.0000**

Vial # 3407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.009	ug/l	2.6	2000	
B	11	6	No Gas	51.151	ug/l	1.1	2000	
Na	23	45	He	2540.591	ug/l	0.5	500000	
Mg	24	45	He	46383.866	ug/l	0.8	500000	
Al	27	45	He	130161.456	ug/l	0.3	500000	
K	39	45	He	25412.605	ug/l	1.3	500000	
Ca	40	45	H2	44638.625	ug/l	0.3	1000000	
Ti	47	45	No Gas	9283.830	ug/l	0.5	10000	>LDR 200.8
V	51	45	He	394.211	ug/l	0.4	5000	
Cr	52	45	He	308.754	ug/l	0.6	20000	
Mn	55	45	He	3423.313	ug/l	0.8	20000	
Fe	56	45	H2	225491.964	ug/l	0.5	500000	
Co	59	45	He	134.299	ug/l	0.2	2000	
Ni	60	45	He	244.744	ug/l	0.7	20000	
Cu	63	45	He	558.493	ug/l	0.4	20000	
Zn	66	45	He	1759.909	ug/l	1.0	20000	
As	75	45	He	46.429	ug/l	3.2	5000	
Se	78	45	H2	5.734	ug/l	6.4	3000	
Sr	88	115	He	288.630	ug/l	1.6	5000	
Mo	95	115	He	10.585	ug/l	0.9	2000	
Ag	107	115	He	20.120	ug/l	0.8	1000	
Cd	111	115	He	3.907	ug/l	5.8	5000	
Sn	118	115	He	57.255	ug/l	1.0	2000	
Sb	121	115	He	6.416	ug/l	5.8	1000	
Ba	137	159	He	1121.694	ug/l	0.6	20000	
Tl	205	209	He	2.032	ug/l	1.5	1000	
[Pb]	206	209	He	1594.288	ug/l	0.3		
[Pb]	207	209	He	1574.271	ug/l	0.6		
Pb	208	209	He	1579.721	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10702420.53	0.4	91.9	60	125	
Sc (ISICPMS)	45	No Gas	10181077.14	0.3	100.8	60	125	
Sc (ISICPMS)	45	H2	3553695.61	0.9	101.9	60	125	
Sc (ISICPMS)	45	He	124928.91	1.9	97.3	60	125	
Ge (IS)	74	H2	688311.51	1.1	102.5	60	125	
Ge (IS)	74	He	67413.70	0.8	103.2	60	125	
Kr	83	He	140.14	18.9				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152959.24	2.9	95.5	60	125	
Tb (IS)	159	He	970770.62	1.5	103.9	60	125	
Bi (IS)	209	He	783134.74	1.6	98.2	60	125	

Sample Report

File Name 156SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:47:42

Sample Name **460-300395-a-8-a**

Comment ---

Dilution **1.0000**

Vial # 3408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.667	ug/l	0.5	2000	
B	11	6	No Gas	44.591	ug/l	1.1	2000	
Na	23	45	He	2328.230	ug/l	0.4	500000	
Mg	24	45	He	48371.231	ug/l	0.9	500000	
Al	27	45	He	135842.035	ug/l	0.4	500000	
K	39	45	He	23856.375	ug/l	0.8	500000	
Ca	40	45	H2	31332.662	ug/l	0.1	1000000	
Ti	47	45	No Gas	10754.066	ug/l	0.8	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	369.257	ug/l	0.8	5000	
Cr	52	45	He	315.983	ug/l	1.3	20000	
Mn	55	45	He	2662.165	ug/l	1.1	20000	
Fe	56	45	H2	201998.779	ug/l	0.1	500000	
Co	59	45	He	76.322	ug/l	2.7	2000	
Ni	60	45	He	180.769	ug/l	1.3	20000	
Cu	63	45	He	546.465	ug/l	1.0	20000	
Zn	66	45	He	2373.160	ug/l	0.8	20000	
As	75	45	He	50.204	ug/l	0.2	5000	
Se	78	45	H2	7.558	ug/l	1.4	3000	
Sr	88	115	He	165.202	ug/l	2.1	5000	
Mo	95	115	He	9.981	ug/l	2.9	2000	
Ag	107	115	He	6.552	ug/l	0.7	1000	
Cd	111	115	He	5.097	ug/l	3.7	5000	
Sn	118	115	He	67.476	ug/l	1.3	2000	
Sb	121	115	He	4.165	ug/l	3.7	1000	
Ba	137	159	He	3051.386	ug/l	1.2	20000	
Tl	205	209	He	1.963	ug/l	4.5	1000	
[Pb]	206	209	He	5847.897	ug/l	0.9		
[Pb]	207	209	He	5938.823	ug/l	1.0		
Pb	208	209	He	5875.166	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10769450.12	0.7	92.4	60	125	
Sc (ISICPMS)	45	No Gas	10313199.84	0.3	102.1	60	125	
Sc (ISICPMS)	45	H2	3572780.19	0.8	102.5	60	125	
Sc (ISICPMS)	45	He	125437.65	0.6	97.7	60	125	
Ge (IS)	74	H2	687636.63	1.5	102.4	60	125	
Ge (IS)	74	He	69576.62	1.2	106.5	60	125	
Kr	83	He	260.27	7.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154295.57	2.1	96.3	60	125	
Tb (IS)	159	He	1007724.14	0.3	107.9	60	125	
Bi (IS)	209	He	793846.46	1.7	99.6	60	125	

Sample Report

File Name 157SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:50:08

Sample Name **460-300395-a-10-a**

Comment ---

Dilution **1.0000**

Vial # 3409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.590	ug/l	0.4	2000	
B	11	6	No Gas	48.321	ug/l	1.2	2000	
Na	23	45	He	2745.523	ug/l	1.8	500000	
Mg	24	45	He	48837.965	ug/l	1.2	500000	
Al	27	45	He	120002.211	ug/l	1.4	500000	
K	39	45	He	20786.900	ug/l	0.9	500000	
Ca	40	45	H2	44126.078	ug/l	1.4	1000000	
Ti	47	45	No Gas	8774.725	ug/l	1.9	10000	
V	51	45	He	356.542	ug/l	1.2	5000	
Cr	52	45	He	348.586	ug/l	0.9	20000	
Mn	55	45	He	4069.753	ug/l	1.4	20000	
Fe	56	45	H2	236770.280	ug/l	1.6	500000	
Co	59	45	He	217.762	ug/l	2.1	2000	
Ni	60	45	He	311.693	ug/l	1.5	20000	
Cu	63	45	He	678.462	ug/l	1.3	20000	
Zn	66	45	He	1287.820	ug/l	1.6	20000	
As	75	45	He	64.049	ug/l	1.3	5000	
Se	78	45	H2	5.033	ug/l	3.9	3000	
Sr	88	115	He	251.012	ug/l	0.6	5000	
Mo	95	115	He	12.201	ug/l	1.8	2000	
Ag	107	115	He	3.083	ug/l	1.4	1000	
Cd	111	115	He	3.112	ug/l	4.2	5000	
Sn	118	115	He	56.611	ug/l	1.0	2000	
Sb	121	115	He	3.353	ug/l	1.3	1000	
Ba	137	159	He	953.437	ug/l	1.0	20000	
Tl	205	209	He	1.919	ug/l	2.5	1000	
[Pb]	206	209	He	967.542	ug/l	0.4		
[Pb]	207	209	He	974.218	ug/l	0.7		
Pb	208	209	He	969.505	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10696804.70	0.1	91.8	60	125	
Sc (ISICPMS)	45	No Gas	10136218.11	1.4	100.3	60	125	
Sc (ISICPMS)	45	H2	3575004.50	0.9	102.5	60	125	
Sc (ISICPMS)	45	He	124951.35	3.1	97.3	60	125	
Ge (IS)	74	H2	690982.39	0.8	102.9	60	125	
Ge (IS)	74	He	68706.57	3.2	105.2	60	125	
Kr	83	He	186.86	12.4				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155679.52	2.6	97.2	60	125	
Tb (IS)	159	He	971992.32	1.1	104.1	60	125	
Bi (IS)	209	He	784002.77	2.0	98.3	60	125	

Sample Report

File Name 158SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:52:32

Sample Name **460-300395-a-12-a**

Comment ---

Dilution **1.0000**

Vial # 3410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.786	ug/l	1.9	2000	
B	11	6	No Gas	49.055	ug/l	0.1	2000	
Na	23	45	He	6164.363	ug/l	1.8	500000	
Mg	24	45	He	64426.181	ug/l	1.4	500000	
Al	27	45	He	101763.147	ug/l	0.8	500000	
K	39	45	He	12255.704	ug/l	1.2	500000	
Ca	40	45	H2	162538.410	ug/l	0.7	1000000	
Ti	47	45	No Gas	7123.818	ug/l	0.8	10000	
V	51	45	He	286.397	ug/l	1.1	5000	
Cr	52	45	He	208.839	ug/l	1.2	20000	
Mn	55	45	He	2440.297	ug/l	1.6	20000	
Fe	56	45	H2	169325.658	ug/l	1.1	500000	
Co	59	45	He	60.985	ug/l	1.4	2000	
Ni	60	45	He	156.552	ug/l	0.3	20000	
Cu	63	45	He	322.683	ug/l	1.5	20000	
Zn	66	45	He	3686.732	ug/l	1.5	20000	
As	75	45	He	46.383	ug/l	2.1	5000	
Se	78	45	H2	5.331	ug/l	7.2	3000	
Sr	88	115	He	560.194	ug/l	1.3	5000	
Mo	95	115	He	9.334	ug/l	2.2	2000	
Ag	107	115	He	1.268	ug/l	3.1	1000	
Cd	111	115	He	3.250	ug/l	7.2	5000	
Sn	118	115	He	746.621	ug/l	1.5	2000	
Sb	121	115	He	18.021	ug/l	1.5	1000	
Ba	137	159	He	1404.569	ug/l	0.9	20000	
Tl	205	209	He	1.358	ug/l	2.1	1000	
[Pb]	206	209	He	3723.558	ug/l	0.6		
[Pb]	207	209	He	3700.851	ug/l	0.5		
Pb	208	209	He	3697.948	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10726541.02	0.3	92.1	60	125	
Sc (ISICPMS)	45	No Gas	10150809.02	0.6	100.5	60	125	
Sc (ISICPMS)	45	H2	3543233.35	0.6	101.6	60	125	
Sc (ISICPMS)	45	He	124426.98	3.2	96.9	60	125	
Ge (IS)	74	H2	692685.45	0.5	103.1	60	125	
Ge (IS)	74	He	69018.51	2.2	105.7	60	125	
Kr	83	He	120.12	41.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155112.97	1.9	96.9	60	125	
Tb (IS)	159	He	962950.53	1.5	103.1	60	125	
Bi (IS)	209	He	796060.97	1.7	99.8	60	125	

Continuing Calibration Verification (CCV)

File Name 159_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:54:58

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.409	ug/l	0.8	100	90	110	
B	11	6	No Gas	252.440	ug/l	0.6	250	225	275	
Na	23	45	He	25377.672	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25278.626	ug/l	0.4	25000	22500	27500	
Al	27	45	He	24925.873	ug/l	0.5	25000	22500	27500	
K	39	45	He	25176.513	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24568.391	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	101.624	ug/l	1.5	100	90	110	
V	51	45	He	102.316	ug/l	1.5	100	90	110	
Cr	52	45	He	101.955	ug/l	0.5	100	90	110	
Mn	55	45	He	102.852	ug/l	1.2	100	90	110	
Fe	56	45	H2	25112.633	ug/l	0.9	25000	22500	27500	
Co	59	45	He	105.144	ug/l	0.9	100	90	110	
Ni	60	45	He	104.792	ug/l	0.3	100	90	110	
Cu	63	45	He	104.418	ug/l	0.9	100	90	110	
Zn	66	45	He	266.229	ug/l	1.1	250	225	275	
As	75	45	He	102.698	ug/l	1.2	100	90	110	
Se	78	45	H2	100.537	ug/l	0.3	100	90	110	
Sr	88	115	He	96.483	ug/l	0.7	100	90	110	
Mo	95	115	He	99.623	ug/l	1.2	100	90	110	
Ag	107	115	He	50.879	ug/l	1.4	50	45	55	
Cd	111	115	He	100.446	ug/l	0.8	100	90	110	
Sn	118	115	He	102.708	ug/l	1.6	100	90	110	
Sb	121	115	He	100.748	ug/l	1.6	100	90	110	
Ba	137	159	He	99.711	ug/l	1.7	100	90	110	
Tl	205	209	He	100.148	ug/l	0.3	100	90	110	
[Pb]	206	209	He	99.625	ug/l	1.7				
[Pb]	207	209	He	99.634	ug/l	0.5				
Pb	208	209	He	99.567	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10765319.56	0.7	92.4	60	125	
Sc (ISICPMS)	45	No Gas	9767536.24	0.7	96.7	60	125	
Sc (ISICPMS)	45	H2	3381060.26	0.2	97.0	60	125	
Sc (ISICPMS)	45	He	118661.76	1.8	92.4	60	125	
Ge (IS)	74	H2	691988.72	0.4	103.0	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	67788.15	1.6	103.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	156357.03	1.9	97.6	60	125	
Tb (IS)	159	He	934469.04	0.8	100.0	60	125	
Bi (IS)	209	He	784752.05	1.3	98.4	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 160_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:57:21

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	35.3	0.8	-0.8	0.8	
B	11	6	No Gas	8.422	ug/l	2.0	40	-40	40	
Na	23	45	He	-58.735	ug/l	N/A	500	-500	500	
Mg	24	45	He	4.516	ug/l	3.5	200	-200	200	
Al	27	45	He	6.478	ug/l	38.4	40	-40	40	
K	39	45	He	1.179	ug/l	6209.7	200	-200	200	
Ca	40	45	H2	5.785	ug/l	18.7	500	-500	500	
Ti	47	45	No Gas	0.550	ug/l	16.0	4	-4	4	
V	51	45	He	-0.142	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.372	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.672	ug/l	15.6	8	-8	8	
Fe	56	45	H2	18.587	ug/l	3.7	60	-60	60	
Co	59	45	He	0.014	ug/l	60.8	4	-4	4	
Ni	60	45	He	-0.069	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.567	ug/l	N/A	4	-4	4	
Zn	66	45	He	2.654	ug/l	18.1	16	-16	16	
As	75	45	He	0.117	ug/l	98.0	2	-2	2	
Se	78	45	H2	0.186	ug/l	43.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.006	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.090	ug/l	42.0	4	-4	4	
Ag	107	115	He	0.002	ug/l	575.1	2	-2	2	
Cd	111	115	He	0.014	ug/l	100.9	2	-2	2	
Sn	118	115	He	0.147	ug/l	45.8	16	-16	16	
Sb	121	115	He	-0.027	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.093	ug/l	96.8	4	-4	4	
Tl	205	209	He	-0.147	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.234	ug/l	14.9				
[Pb]	207	209	He	0.217	ug/l	13.9				
Pb	208	209	He	0.233	ug/l	8.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10934303.03	0.7	93.9	60	125	
Sc (ISICPMS)	45	No Gas	9851309.85	1.3	97.5	60	125	
Sc (ISICPMS)	45	H2	3359833.18	1.6	96.4	60	125	
Sc (ISICPMS)	45	He	120495.55	1.1	93.9	60	125	
Ge (IS)	74	H2	664069.33	1.1	98.9	60	125	
Ge (IS)	74	He	64828.69	1.7	99.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	158589.43	1.7	99.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	932648.71	1.4	99.8	60	125	
Bi (IS)	209	He	806473.36	1.0	101.1	60	125	

Sample Report

File Name 161SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 20:59:46

Sample Name **mb 460-965001/1-a**

Comment ---

Dilution **1.0000**

Vial # 4101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	196.5	2000	
B	11	6	No Gas	5.595	ug/l	2.5	2000	
Na	23	45	He	-38.500	ug/l	N/A	500000	
Mg	24	45	He	2.159	ug/l	10.2	500000	
Al	27	45	He	3.681	ug/l	8.4	500000	
K	39	45	He	6.563	ug/l	1355.4	500000	
Ca	40	45	H2	1.490	ug/l	27.7	1000000	
Ti	47	45	No Gas	0.134	ug/l	20.8	10000	
V	51	45	He	-0.188	ug/l	N/A	5000	
Cr	52	45	He	-0.273	ug/l	N/A	20000	
Mn	55	45	He	0.590	ug/l	13.2	20000	
Fe	56	45	H2	16.451	ug/l	0.8	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.037	ug/l	N/A	20000	
Cu	63	45	He	-0.639	ug/l	N/A	20000	
Zn	66	45	He	2.248	ug/l	11.6	20000	
As	75	45	He	0.129	ug/l	72.2	5000	
Se	78	45	H2	0.062	ug/l	66.9	3000	
Sr	88	115	He	0.002	ug/l	872.7	5000	
Mo	95	115	He	0.048	ug/l	30.0	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.009	ug/l	189.9	2000	
Sb	121	115	He	-0.042	ug/l	N/A	1000	
Ba	137	159	He	0.068	ug/l	45.4	20000	
Tl	205	209	He	-0.174	ug/l	N/A	1000	
[Pb]	206	209	He	0.191	ug/l	6.6		
[Pb]	207	209	He	0.198	ug/l	11.9		
Pb	208	209	He	0.187	ug/l	4.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10946813.03	0.5	94.0	60	125	
Sc (ISICPMS)	45	No Gas	9844200.13	0.5	97.4	60	125	
Sc (ISICPMS)	45	H2	3390692.52	0.3	97.2	60	125	
Sc (ISICPMS)	45	He	120613.64	1.7	93.9	60	125	
Ge (IS)	74	H2	673487.81	0.8	100.3	60	125	
Ge (IS)	74	He	66203.37	2.4	101.3	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	157540.71	2.0	98.4	60	125	
Tb (IS)	159	He	927430.67	1.3	99.3	60	125	
Bi (IS)	209	He	798729.39	1.4	100.2	60	125	

Sample Report

File Name 162SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:02:09

Sample Name **lcs 460-965001/2-a**

Comment ---

Dilution **1.0000**

Vial # 4102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.993	ug/l	0.8	2000	
B	11	6	No Gas	488.256	ug/l	1.4	2000	
Na	23	45	He	2450.824	ug/l	1.0	500000	
Mg	24	45	He	2508.367	ug/l	1.4	500000	
Al	27	45	He	2468.591	ug/l	1.0	500000	
K	39	45	He	2506.286	ug/l	3.6	500000	
Ca	40	45	H2	2518.191	ug/l	0.8	1000000	
Ti	47	45	No Gas	48.608	ug/l	2.9	10000	
V	51	45	He	48.550	ug/l	1.2	5000	
Cr	52	45	He	48.901	ug/l	0.7	20000	
Mn	55	45	He	246.047	ug/l	0.1	20000	
Fe	56	45	H2	2578.399	ug/l	0.6	500000	
Co	59	45	He	25.492	ug/l	0.3	2000	
Ni	60	45	He	51.214	ug/l	0.9	20000	
Cu	63	45	He	50.674	ug/l	0.9	20000	
Zn	66	45	He	261.780	ug/l	2.0	20000	
As	75	45	He	48.991	ug/l	3.5	5000	
Se	78	45	H2	47.722	ug/l	2.3	3000	
Sr	88	115	He	46.686	ug/l	0.3	5000	
Mo	95	115	He	47.439	ug/l	1.6	2000	
Ag	107	115	He	24.518	ug/l	0.9	1000	
Cd	111	115	He	24.893	ug/l	1.5	5000	
Sn	118	115	He	51.056	ug/l	1.8	2000	
Sb	121	115	He	26.070	ug/l	2.3	1000	
Ba	137	159	He	48.999	ug/l	3.9	20000	
Tl	205	209	He	19.066	ug/l	1.0	1000	
[Pb]	206	209	He	24.460	ug/l	1.8		
[Pb]	207	209	He	24.046	ug/l	0.3		
Pb	208	209	He	24.265	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10947655.53	1.2	94.0	60	125	
Sc (ISICPMS)	45	No Gas	9863983.05	0.9	97.6	60	125	
Sc (ISICPMS)	45	H2	3397356.65	1.0	97.4	60	125	
Sc (ISICPMS)	45	He	121915.54	2.5	95.0	60	125	
Ge (IS)	74	H2	673205.03	0.9	100.2	60	125	
Ge (IS)	74	He	66502.85	2.4	101.8	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	158423.84	2.1	98.9	60	125	
Tb (IS)	159	He	934151.32	0.9	100.0	60	125	
Bi (IS)	209	He	803227.76	1.5	100.7	60	125	

Sample Report

File Name 163SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:04:34

Sample Name **PDS 460-300146-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 4103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.984	ug/l	0.6	2000	
B	11	6	No Gas	671.179	ug/l	0.7	2000	
Na	23	45	He	413977.218	ug/l	0.8	500000	
Mg	24	45	He	30838.882	ug/l	2.2	500000	
Al	27	45	He	2930.038	ug/l	1.8	500000	
K	39	45	He	6763.017	ug/l	0.3	500000	
Ca	40	45	H2	111052.930	ug/l	6.4	1000000	
Ti	47	45	No Gas	63.810	ug/l	10.8	10000	
V	51	45	He	50.048	ug/l	3.7	5000	
Cr	52	45	He	49.201	ug/l	3.4	20000	
Mn	55	45	He	3200.319	ug/l	2.0	20000	
Fe	56	45	H2	9395.988	ug/l	6.6	500000	
Co	59	45	He	25.405	ug/l	4.1	2000	
Ni	60	45	He	50.204	ug/l	1.5	20000	
Cu	63	45	He	52.475	ug/l	2.4	20000	
Zn	66	45	He	258.882	ug/l	2.2	20000	
As	75	45	He	52.300	ug/l	4.6	5000	
Se	78	45	H2	50.814	ug/l	9.2	3000	
Sr	88	115	He	506.610	ug/l	1.2	5000	
Mo	95	115	He	49.206	ug/l	1.6	2000	
Ag	107	115	He	24.392	ug/l	1.7	1000	
Cd	111	115	He	24.925	ug/l	3.6	5000	
Sn	118	115	He	245.991	ug/l	0.8	2000	
Sb	121	115	He	26.555	ug/l	2.0	1000	
Ba	137	159	He	271.856	ug/l	2.1	20000	
Tl	205	209	He	19.684	ug/l	2.9	1000	
[Pb]	206	209	He	26.980	ug/l	1.2		
[Pb]	207	209	He	26.879	ug/l	2.3		
Pb	208	209	He	26.840	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10384976.93	0.4	89.1	60	125	
Sc (ISICPMS)	45	No Gas	9761421.11	0.7	96.6	60	125	
Sc (ISICPMS)	45	H2	3412476.65	1.6	97.9	60	125	
Sc (ISICPMS)	45	He	122524.96	0.3	95.4	60	125	
Ge (IS)	74	H2	695753.80	1.5	103.6	60	125	
Ge (IS)	74	He	69256.17	1.3	106.0	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155244.49	1.8	96.9	60	125	
Tb (IS)	159	He	929577.84	0.9	99.5	60	125	
Bi (IS)	209	He	760453.75	0.7	95.4	60	125	

Sample Report

File Name 164SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:06:58

Sample Name **460-300146-a-1-c ms**

Comment ---

Dilution **1.0000**

Vial # 4104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.547	ug/l	1.1	2000	
B	11	6	No Gas	675.868	ug/l	1.4	2000	
Na	23	45	He	421702.913	ug/l	0.9	500000	
Mg	24	45	He	31731.218	ug/l	1.1	500000	
Al	27	45	He	2861.188	ug/l	1.1	500000	
K	39	45	He	6876.185	ug/l	1.3	500000	
Ca	40	45	H2	112852.191	ug/l	0.7	1000000	
Ti	47	45	No Gas	55.810	ug/l	1.0	10000	
V	51	45	He	50.761	ug/l	0.8	5000	
Cr	52	45	He	50.277	ug/l	0.7	20000	
Mn	55	45	He	3256.221	ug/l	0.5	20000	
Fe	56	45	H2	9462.487	ug/l	1.4	500000	
Co	59	45	He	26.079	ug/l	0.7	2000	
Ni	60	45	He	50.863	ug/l	3.4	20000	
Cu	63	45	He	52.887	ug/l	1.0	20000	
Zn	66	45	He	258.541	ug/l	1.2	20000	
As	75	45	He	53.114	ug/l	3.0	5000	
Se	78	45	H2	48.837	ug/l	1.6	3000	
Sr	88	115	He	518.657	ug/l	1.6	5000	
Mo	95	115	He	51.367	ug/l	0.9	2000	
Ag	107	115	He	24.205	ug/l	1.3	1000	
Cd	111	115	He	25.166	ug/l	0.9	5000	
Sn	118	115	He	242.873	ug/l	1.0	2000	
Sb	121	115	He	26.924	ug/l	1.0	1000	
Ba	137	159	He	278.330	ug/l	1.2	20000	
Tl	205	209	He	19.967	ug/l	0.6	1000	
[Pb]	206	209	He	27.209	ug/l	1.7		
[Pb]	207	209	He	27.120	ug/l	1.0		
Pb	208	209	He	27.144	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10328935.26	1.2	88.7	60	125	
Sc (ISICPMS)	45	No Gas	9864605.41	0.2	97.6	60	125	
Sc (ISICPMS)	45	H2	3403556.68	1.0	97.6	60	125	
Sc (ISICPMS)	45	He	121027.50	2.3	94.3	60	125	
Ge (IS)	74	H2	693109.31	0.5	103.2	60	125	
Ge (IS)	74	He	68628.36	3.0	105.1	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152120.43	3.1	95.0	60	125	
Tb (IS)	159	He	916114.92	1.4	98.1	60	125	
Bi (IS)	209	He	757050.18	1.3	94.9	60	125	

Sample Report

File Name 165SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:09:24

Sample Name **460-300146-a-1-b du**

Comment ---

Dilution **1.0000**

Vial # 4105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.022	ug/l	12.0	2000	
B	11	6	No Gas	162.345	ug/l	0.8	2000	
Na	23	45	He	412276.517	ug/l	1.4	500000	
Mg	24	45	He	28410.351	ug/l	1.4	500000	
Al	27	45	He	314.893	ug/l	3.5	500000	
K	39	45	He	4226.485	ug/l	2.8	500000	
Ca	40	45	H2	108116.114	ug/l	0.3	1000000	
Ti	47	45	No Gas	6.677	ug/l	6.3	10000	
V	51	45	He	0.815	ug/l	12.7	5000	
Cr	52	45	He	0.528	ug/l	22.3	20000	
Mn	55	45	He	2936.106	ug/l	1.5	20000	
Fe	56	45	H2	6781.377	ug/l	0.2	500000	
Co	59	45	He	1.164	ug/l	9.6	2000	
Ni	60	45	He	1.758	ug/l	6.2	20000	
Cu	63	45	He	6.965	ug/l	2.1	20000	
Zn	66	45	He	6.831	ug/l	10.0	20000	
As	75	45	He	2.481	ug/l	11.6	5000	
Se	78	45	H2	0.322	ug/l	13.5	3000	
Sr	88	115	He	454.339	ug/l	0.5	5000	
Mo	95	115	He	0.619	ug/l	2.2	2000	
Ag	107	115	He	0.020	ug/l	54.8	1000	
Cd	111	115	He	0.076	ug/l	28.0	5000	
Sn	118	115	He	171.858	ug/l	0.5	2000	
Sb	121	115	He	0.089	ug/l	84.0	1000	
Ba	137	159	He	222.627	ug/l	1.7	20000	
Tl	205	209	He	-0.160	ug/l	N/A	1000	
[Pb]	206	209	He	2.407	ug/l	4.9		
[Pb]	207	209	He	2.181	ug/l	2.9		
Pb	208	209	He	2.313	ug/l	2.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10376643.18	0.8	89.1	60	125	
Sc (ISICPMS)	45	No Gas	9704580.48	1.2	96.0	60	125	
Sc (ISICPMS)	45	H2	3368196.58	0.8	96.6	60	125	
Sc (ISICPMS)	45	He	119608.36	1.6	93.2	60	125	
Ge (IS)	74	H2	688790.33	0.5	102.5	60	125	
Ge (IS)	74	He	68417.43	1.6	104.7	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150745.07	1.6	94.1	60	125	
Tb (IS)	159	He	913065.38	0.7	97.7	60	125	
Bi (IS)	209	He	753996.73	0.1	94.6	60	125	

Sample Report

File Name 166SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:11:48

Sample Name **460-300146-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 4106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.024	ug/l	15.2	2000	
B	11	6	No Gas	160.727	ug/l	0.6	2000	
Na	23	45	He	422259.279	ug/l	0.4	500000	
Mg	24	45	He	29332.078	ug/l	0.9	500000	
Al	27	45	He	329.892	ug/l	3.3	500000	
K	39	45	He	4347.986	ug/l	1.9	500000	
Ca	40	45	H2	110806.587	ug/l	0.7	1000000	
Ti	47	45	No Gas	7.073	ug/l	3.4	10000	
V	51	45	He	0.882	ug/l	16.7	5000	
Cr	52	45	He	0.594	ug/l	9.2	20000	
Mn	55	45	He	3017.991	ug/l	1.1	20000	
Fe	56	45	H2	7009.428	ug/l	1.2	500000	
Co	59	45	He	1.247	ug/l	4.2	2000	
Ni	60	45	He	1.688	ug/l	7.7	20000	
Cu	63	45	He	3.852	ug/l	3.1	20000	
Zn	66	45	He	7.865	ug/l	9.7	20000	
As	75	45	He	1.974	ug/l	21.7	5000	
Se	78	45	H2	0.196	ug/l	61.1	3000	
Sr	88	115	He	462.763	ug/l	0.7	5000	
Mo	95	115	He	0.584	ug/l	23.5	2000	
Ag	107	115	He	0.029	ug/l	32.4	1000	
Cd	111	115	He	0.047	ug/l	74.8	5000	
Sn	118	115	He	198.642	ug/l	1.5	2000	
Sb	121	115	He	0.127	ug/l	42.4	1000	
Ba	137	159	He	227.640	ug/l	0.6	20000	
Tl	205	209	He	-0.163	ug/l	N/A	1000	
[Pb]	206	209	He	2.418	ug/l	1.2		
[Pb]	207	209	He	2.455	ug/l	1.4		
Pb	208	209	He	2.382	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10400412.69	0.3	89.3	60	125	
Sc (ISICPMS)	45	No Gas	9662688.75	1.4	95.6	60	125	
Sc (ISICPMS)	45	H2	3318747.42	1.0	95.2	60	125	
Sc (ISICPMS)	45	He	118939.53	1.8	92.6	60	125	
Ge (IS)	74	H2	684322.50	0.4	101.9	60	125	
Ge (IS)	74	He	68096.00	2.1	104.2	60	125	
Kr	83	He	10.01	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151317.54	1.9	94.5	60	125	
Tb (IS)	159	He	907247.88	0.8	97.1	60	125	
Bi (IS)	209	He	751318.95	1.4	94.2	60	125	

Sample Report

File Name 167SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:14:13

Sample Name **SD 460-300146-a-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 4107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	90.7	2000	
B	11	6	No Gas	37.914	ug/l	2.5	2000	
Na	23	45	He	85590.109	ug/l	0.6	500000	
Mg	24	45	He	5917.119	ug/l	0.5	500000	
Al	27	45	He	69.930	ug/l	2.4	500000	
K	39	45	He	873.011	ug/l	8.6	500000	
Ca	40	45	H2	22287.730	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.555	ug/l	13.3	10000	
V	51	45	He	0.020	ug/l	315.3	5000	
Cr	52	45	He	-0.170	ug/l	N/A	20000	
Mn	55	45	He	619.543	ug/l	0.5	20000	
Fe	56	45	H2	1441.632	ug/l	0.7	500000	
Co	59	45	He	0.264	ug/l	9.9	2000	
Ni	60	45	He	0.325	ug/l	5.6	20000	
Cu	63	45	He	0.276	ug/l	42.4	20000	
Zn	66	45	He	3.384	ug/l	11.1	20000	
As	75	45	He	0.321	ug/l	46.1	5000	
Se	78	45	H2	0.058	ug/l	3.1	3000	
Sr	88	115	He	91.790	ug/l	1.9	5000	
Mo	95	115	He	0.127	ug/l	35.4	2000	
Ag	107	115	He	0.004	ug/l	119.8	1000	
Cd	111	115	He	0.033	ug/l	25.6	5000	
Sn	118	115	He	39.398	ug/l	3.7	2000	
Sb	121	115	He	0.003	ug/l	419.5	1000	
Ba	137	159	He	45.769	ug/l	1.2	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	0.538	ug/l	5.9		
[Pb]	207	209	He	0.503	ug/l	9.0		
Pb	208	209	He	0.532	ug/l	3.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10789426.92	1.3	92.6	60	125	
Sc (ISICPMS)	45	No Gas	9716494.02	1.0	96.2	60	125	
Sc (ISICPMS)	45	H2	3317383.56	1.5	95.1	60	125	
Sc (ISICPMS)	45	He	120187.67	1.1	93.6	60	125	
Ge (IS)	74	H2	673337.28	1.3	100.2	60	125	
Ge (IS)	74	He	67273.07	1.2	103.0	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	153100.66	0.9	95.6	60	125	
Tb (IS)	159	He	911911.04	0.3	97.6	60	125	
Bi (IS)	209	He	769574.61	0.8	96.5	60	125	

Sample Report

File Name 168SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:16:37

Sample Name **460-299785-f-2-a**

Comment ---

Dilution **1.0000**

Vial # 4108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.080	ug/l	14.2	2000	
B	11	6	No Gas	99.861	ug/l	1.0	2000	
Na	23	45	He	1935.897	ug/l	2.0	500000	
Mg	24	45	He	3637.912	ug/l	1.8	500000	
Al	27	45	He	2500.152	ug/l	1.1	500000	
K	39	45	He	512.443	ug/l	19.4	500000	
Ca	40	45	H2	8857.331	ug/l	0.3	1000000	
Ti	47	45	No Gas	43.076	ug/l	1.8	10000	
V	51	45	He	7.299	ug/l	3.2	5000	
Cr	52	45	He	8.965	ug/l	1.0	20000	
Mn	55	45	He	5.374	ug/l	6.9	20000	
Fe	56	45	H2	5119.860	ug/l	0.8	500000	
Co	59	45	He	0.251	ug/l	8.1	2000	
Ni	60	45	He	1.294	ug/l	9.3	20000	
Cu	63	45	He	4.191	ug/l	1.3	20000	
Zn	66	45	He	19.650	ug/l	4.3	20000	
As	75	45	He	1.478	ug/l	28.4	5000	
Se	78	45	H2	0.381	ug/l	45.6	3000	
Sr	88	115	He	44.980	ug/l	0.9	5000	
Mo	95	115	He	2.017	ug/l	1.6	2000	
Ag	107	115	He	0.013	ug/l	28.2	1000	
Cd	111	115	He	2.157	ug/l	5.0	5000	
Sn	118	115	He	0.508	ug/l	36.0	2000	
Sb	121	115	He	0.590	ug/l	5.2	1000	
Ba	137	159	He	7.503	ug/l	5.3	20000	
Tl	205	209	He	-0.178	ug/l	N/A	1000	
[Pb]	206	209	He	1.156	ug/l	2.0		
[Pb]	207	209	He	1.097	ug/l	1.0		
Pb	208	209	He	1.111	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10969241.36	0.9	94.2	60	125	
Sc (ISICPMS)	45	No Gas	9908795.69	1.0	98.1	60	125	
Sc (ISICPMS)	45	H2	3375687.42	0.8	96.8	60	125	
Sc (ISICPMS)	45	He	120566.19	2.8	93.9	60	125	
Ge (IS)	74	H2	705244.11	1.6	105.0	60	125	
Ge (IS)	74	He	68870.97	1.5	105.4	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	155734.63	1.8	97.2	60	125	
Tb (IS)	159	He	922050.14	1.6	98.7	60	125	
Bi (IS)	209	He	798430.66	1.1	100.1	60	125	

Sample Report

File Name 169SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:19:01

Sample Name **460-299785-f-3-a**

Comment ---

Dilution **1.0000**

Vial # 4109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.284	ug/l	3.8	2000	
B	11	6	No Gas	1051.588	ug/l	1.0	2000	
Na	23	45	He	9702.399	ug/l	1.3	500000	
Mg	24	45	He	1382.932	ug/l	1.5	500000	
Al	27	45	He	619.211	ug/l	1.0	500000	
K	39	45	He	1966.687	ug/l	6.3	500000	
Ca	40	45	H2	4110.754	ug/l	1.8	1000000	
Ti	47	45	No Gas	1.257	ug/l	9.5	10000	
V	51	45	He	-0.034	ug/l	N/A	5000	
Cr	52	45	He	-0.403	ug/l	N/A	20000	
Mn	55	45	He	13.725	ug/l	1.8	20000	
Fe	56	45	H2	57.244	ug/l	3.3	500000	
Co	59	45	He	1.322	ug/l	6.0	2000	
Ni	60	45	He	2.261	ug/l	10.6	20000	
Cu	63	45	He	1.473	ug/l	5.4	20000	
Zn	66	45	He	16.851	ug/l	2.0	20000	
As	75	45	He	0.386	ug/l	97.7	5000	
Se	78	45	H2	0.166	ug/l	49.8	3000	
Sr	88	115	He	16.270	ug/l	3.7	5000	
Mo	95	115	He	0.010	ug/l	292.5	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.254	ug/l	17.7	5000	
Sn	118	115	He	0.171	ug/l	93.5	2000	
Sb	121	115	He	0.007	ug/l	122.2	1000	
Ba	137	159	He	65.417	ug/l	2.7	20000	
Tl	205	209	He	-0.139	ug/l	N/A	1000	
[Pb]	206	209	He	0.484	ug/l	2.4		
[Pb]	207	209	He	0.490	ug/l	5.6		
Pb	208	209	He	0.480	ug/l	3.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11003734.42	1.0	94.4	60	125	
Sc (ISICPMS)	45	No Gas	9832578.33	1.4	97.3	60	125	
Sc (ISICPMS)	45	H2	3354766.65	1.1	96.2	60	125	
Sc (ISICPMS)	45	He	117600.12	2.9	91.6	60	125	
Ge (IS)	74	H2	695762.16	0.3	103.6	60	125	
Ge (IS)	74	He	68841.00	2.5	105.4	60	125	
Kr	83	He	23.36	49.5				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154367.03	2.1	96.4	60	125	
Tb (IS)	159	He	918399.42	1.4	98.3	60	125	
Bi (IS)	209	He	793134.68	1.7	99.5	60	125	

Continuing Calibration Verification (CCV)

File Name 170_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:21:24

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	93.349	ug/l	1.5	100	90	110	
B	11	6	No Gas	257.310	ug/l	1.6	250	225	275	
Na	23	45	He	25391.348	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25312.338	ug/l	0.4	25000	22500	27500	
Al	27	45	He	24854.312	ug/l	0.6	25000	22500	27500	
K	39	45	He	24805.886	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	24817.477	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	98.901	ug/l	1.3	100	90	110	
V	51	45	He	98.667	ug/l	0.8	100	90	110	
Cr	52	45	He	100.084	ug/l	0.5	100	90	110	
Mn	55	45	He	100.141	ug/l	2.0	100	90	110	
Fe	56	45	H2	25120.224	ug/l	1.3	25000	22500	27500	
Co	59	45	He	102.328	ug/l	0.3	100	90	110	
Ni	60	45	He	102.517	ug/l	0.6	100	90	110	
Cu	63	45	He	101.315	ug/l	0.2	100	90	110	
Zn	66	45	He	258.619	ug/l	1.3	250	225	275	
As	75	45	He	99.339	ug/l	0.7	100	90	110	
Se	78	45	H2	99.393	ug/l	1.3	100	90	110	
Sr	88	115	He	95.718	ug/l	1.1	100	90	110	
Mo	95	115	He	99.690	ug/l	1.6	100	90	110	
Ag	107	115	He	50.232	ug/l	0.4	50	45	55	
Cd	111	115	He	100.953	ug/l	0.7	100	90	110	
Sn	118	115	He	100.484	ug/l	0.9	100	90	110	
Sb	121	115	He	101.287	ug/l	0.9	100	90	110	
Ba	137	159	He	98.022	ug/l	3.9	100	90	110	
Tl	205	209	He	99.807	ug/l	1.3	100	90	110	
[Pb]	206	209	He	99.005	ug/l	0.6				
[Pb]	207	209	He	98.771	ug/l	0.7				
Pb	208	209	He	98.758	ug/l	0.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11055957.61	1.2	94.9	60	125	
Sc (ISICPMS)	45	No Gas	9693941.31	0.7	95.9	60	125	
Sc (ISICPMS)	45	H2	3353525.09	0.5	96.2	60	125	
Sc (ISICPMS)	45	He	119268.14	1.7	92.9	60	125	
Ge (IS)	74	H2	673919.24	0.5	100.3	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	66137.29	1.9	101.2	60	125	
Kr	83	He	10.01	100.0				
In-1	115	He	152897.05	0.9	95.5	60	125	
Tb (IS)	159	He	914343.86	1.3	97.9	60	125	
Bi (IS)	209	He	773534.58	1.4	97.0	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 171_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:23:48

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.007	ug/l	32.1	0.8	-0.8	0.8	
B	11	6	No Gas	9.678	ug/l	1.1	40	-40	40	
Na	23	45	He	-32.364	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.419	ug/l	12.6	200	-200	200	
Al	27	45	He	1.332	ug/l	16.1	40	-40	40	
K	39	45	He	20.125	ug/l	469.2	200	-200	200	
Ca	40	45	H2	5.688	ug/l	23.0	500	-500	500	
Ti	47	45	No Gas	0.131	ug/l	80.1	4	-4	4	
V	51	45	He	-0.195	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.287	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.113	ug/l	26.1	8	-8	8	
Fe	56	45	H2	4.494	ug/l	13.2	60	-60	60	
Co	59	45	He	0.014	ug/l	65.1	4	-4	4	
Ni	60	45	He	-0.076	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.617	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.754	ug/l	9.2	16	-16	16	
As	75	45	He	0.087	ug/l	22.4	2	-2	2	
Se	78	45	H2	0.128	ug/l	42.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.001	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.079	ug/l	36.8	4	-4	4	
Ag	107	115	He	0.000	ug/l	1051.8	2	-2	2	
Cd	111	115	He	0.014	ug/l	99.0	2	-2	2	
Sn	118	115	He	0.049	ug/l	313.8	16	-16	16	
Sb	121	115	He	-0.027	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.052	ug/l	112.3	4	-4	4	
Tl	205	209	He	-0.151	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.062	ug/l	43.2				
[Pb]	207	209	He	0.076	ug/l	22.6				
Pb	208	209	He	0.073	ug/l	17.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11058669.00	0.3	94.9	60	125	
Sc (ISICPMS)	45	No Gas	9594473.47	0.5	95.0	60	125	
Sc (ISICPMS)	45	H2	3305591.06	1.0	94.8	60	125	
Sc (ISICPMS)	45	He	117358.21	1.2	91.4	60	125	
Ge (IS)	74	H2	651510.47	1.1	97.0	60	125	
Ge (IS)	74	He	63493.85	1.3	97.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	151966.62	1.9	94.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	901915.86	1.2	96.6	60	125	
Bi (IS)	209	He	782547.19	1.4	98.1	60	125	

Sample Report

File Name 172SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:26:11

Sample Name **460-299785-f-1-a**

Comment ---

Dilution **1.0000**

Vial # 4110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.292	ug/l	3.7	2000	
B	11	6	No Gas	22.807	ug/l	1.7	2000	
Na	23	45	He	24452.302	ug/l	0.4	500000	
Mg	24	45	He	3774.034	ug/l	0.4	500000	
Al	27	45	He	648.409	ug/l	1.7	500000	
K	39	45	He	1316.635	ug/l	4.3	500000	
Ca	40	45	H2	7397.101	ug/l	0.6	1000000	
Ti	47	45	No Gas	3.203	ug/l	6.3	10000	
V	51	45	He	-0.060	ug/l	N/A	5000	
Cr	52	45	He	-0.311	ug/l	N/A	20000	
Mn	55	45	He	76.390	ug/l	0.7	20000	
Fe	56	45	H2	101.522	ug/l	0.7	500000	
Co	59	45	He	1.037	ug/l	4.5	2000	
Ni	60	45	He	1.241	ug/l	11.9	20000	
Cu	63	45	He	1.208	ug/l	10.6	20000	
Zn	66	45	He	9.398	ug/l	7.1	20000	
As	75	45	He	0.493	ug/l	21.9	5000	
Se	78	45	H2	0.401	ug/l	23.9	3000	
Sr	88	115	He	22.889	ug/l	2.2	5000	
Mo	95	115	He	0.069	ug/l	111.2	2000	
Ag	107	115	He	0.016	ug/l	23.3	1000	
Cd	111	115	He	0.159	ug/l	44.7	5000	
Sn	118	115	He	0.417	ug/l	9.0	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	67.879	ug/l	1.4	20000	
Tl	205	209	He	-0.160	ug/l	N/A	1000	
[Pb]	206	209	He	0.201	ug/l	20.7		
[Pb]	207	209	He	0.221	ug/l	15.0		
Pb	208	209	He	0.210	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11045434.00	0.6	94.8	60	125	
Sc (ISICPMS)	45	No Gas	9770521.94	1.0	96.7	60	125	
Sc (ISICPMS)	45	H2	3333256.20	0.7	95.6	60	125	
Sc (ISICPMS)	45	He	119182.46	1.3	92.8	60	125	
Ge (IS)	74	H2	691352.36	0.4	102.9	60	125	
Ge (IS)	74	He	67862.65	2.3	103.9	60	125	
Kr	83	He	30.03	57.7				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152455.50	0.6	95.2	60	125	
Tb (IS)	159	He	910547.39	1.2	97.5	60	125	
Bi (IS)	209	He	782167.85	1.2	98.1	60	125	

Sample Report

File Name 173SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:28:35

Sample Name **460-300116-f-1-a**

Comment ---

Dilution **1.0000**

Vial # 4111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	125.8	2000	
B	11	6	No Gas	416.920	ug/l	1.3	2000	
Na	23	45	He	45845.695	ug/l	0.3	500000	
Mg	24	45	He	7755.633	ug/l	0.8	500000	
Al	27	45	He	5.362	ug/l	36.1	500000	
K	39	45	He	14855.796	ug/l	0.3	500000	
Ca	40	45	H2	57034.829	ug/l	0.8	1000000	
Ti	47	45	No Gas	1.342	ug/l	19.8	10000	
V	51	45	He	-0.088	ug/l	N/A	5000	
Cr	52	45	He	-0.852	ug/l	N/A	20000	
Mn	55	45	He	153.092	ug/l	1.0	20000	
Fe	56	45	H2	400.667	ug/l	0.4	500000	
Co	59	45	He	0.095	ug/l	14.6	2000	
Ni	60	45	He	1.957	ug/l	11.9	20000	
Cu	63	45	He	13.863	ug/l	1.7	20000	
Zn	66	45	He	187.800	ug/l	0.8	20000	
As	75	45	He	2.969	ug/l	5.8	5000	
Se	78	45	H2	0.133	ug/l	43.9	3000	
Sr	88	115	He	621.689	ug/l	0.6	5000	
Mo	95	115	He	12.742	ug/l	1.0	2000	
Ag	107	115	He	0.065	ug/l	13.9	1000	
Cd	111	115	He	0.061	ug/l	76.0	5000	
Sn	118	115	He	3.875	ug/l	2.9	2000	
Sb	121	115	He	1.555	ug/l	8.3	1000	
Ba	137	159	He	229.051	ug/l	0.6	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	1.462	ug/l	1.7		
[Pb]	207	209	He	1.409	ug/l	4.0		
Pb	208	209	He	1.453	ug/l	2.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11008038.17	2.4	94.5	60	125	
Sc (ISICPMS)	45	No Gas	9724570.06	0.6	96.2	60	125	
Sc (ISICPMS)	45	H2	3341087.00	0.7	95.8	60	125	
Sc (ISICPMS)	45	He	117007.36	1.8	91.1	60	125	
Ge (IS)	74	H2	698668.66	0.5	104.0	60	125	
Ge (IS)	74	He	67949.71	1.8	104.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152426.95	1.8	95.2	60	125	
Tb (IS)	159	He	903408.04	1.1	96.7	60	125	
Bi (IS)	209	He	780078.68	0.8	97.8	60	125	

Sample Report

File Name 174SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:30:59

Sample Name **460-300146-a-2-a**

Comment ---

Dilution **1.0000**

Vial # 4112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	22.2	2000	
B	11	6	No Gas	160.245	ug/l	1.7	2000	
Na	23	45	He	513265.131	ug/l	0.1	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	30070.499	ug/l	0.8	500000	
Al	27	45	He	48.686	ug/l	4.5	500000	
K	39	45	He	3525.943	ug/l	2.7	500000	
Ca	40	45	H2	91958.200	ug/l	0.9	1000000	
Ti	47	45	No Gas	2.617	ug/l	4.4	10000	
V	51	45	He	0.245	ug/l	7.3	5000	
Cr	52	45	He	-0.883	ug/l	N/A	20000	
Mn	55	45	He	1726.923	ug/l	0.8	20000	
Fe	56	45	H2	1373.135	ug/l	0.5	500000	
Co	59	45	He	0.660	ug/l	10.3	2000	
Ni	60	45	He	2.164	ug/l	6.1	20000	
Cu	63	45	He	0.965	ug/l	10.0	20000	
Zn	66	45	He	4.983	ug/l	10.5	20000	
As	75	45	He	1.047	ug/l	16.2	5000	
Se	78	45	H2	0.135	ug/l	88.4	3000	
Sr	88	115	He	433.668	ug/l	0.7	5000	
Mo	95	115	He	0.665	ug/l	16.9	2000	
Ag	107	115	He	0.000	ug/l	2829.4	1000	
Cd	111	115	He	0.039	ug/l	57.1	5000	
Sn	118	115	He	4.680	ug/l	8.1	2000	
Sb	121	115	He	0.024	ug/l	181.5	1000	
Ba	137	159	He	201.871	ug/l	1.1	20000	
Tl	205	209	He	-0.176	ug/l	N/A	1000	
[Pb]	206	209	He	0.187	ug/l	19.7		
[Pb]	207	209	He	0.220	ug/l	1.4		
Pb	208	209	He	0.219	ug/l	9.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10466723.46	0.9	89.8	60	125	
Sc (ISICPMS)	45	No Gas	9598014.02	1.0	95.0	60	125	
Sc (ISICPMS)	45	H2	3292181.27	0.5	94.4	60	125	
Sc (ISICPMS)	45	He	115677.04	1.2	90.1	60	125	
Ge (IS)	74	H2	667197.53	0.3	99.3	60	125	
Ge (IS)	74	He	65223.05	2.4	99.8	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	145247.13	1.6	90.7	60	125	
Tb (IS)	159	He	880182.32	0.4	94.2	60	125	
Bi (IS)	209	He	730888.71	0.4	91.7	60	125	

Sample Report

File Name 175SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:33:25

Sample Name **460-300175-a-1-a**

Comment ---

Dilution **1.0000**

Vial # 4201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	11.6	2000	
B	11	6	No Gas	34.471	ug/l	1.2	2000	
Na	23	45	He	164007.037	ug/l	1.0	500000	
Mg	24	45	He	199.557	ug/l	2.1	500000	
Al	27	45	He	1760.384	ug/l	1.5	500000	
K	39	45	He	193521.227	ug/l	0.7	500000	
Ca	40	45	H2	5700.953	ug/l	0.8	1000000	
Ti	47	45	No Gas	9.163	ug/l	6.8	10000	
V	51	45	He	3.599	ug/l	2.4	5000	
Cr	52	45	He	0.734	ug/l	32.5	20000	
Mn	55	45	He	27.686	ug/l	1.4	20000	
Fe	56	45	H2	15297.829	ug/l	1.1	500000	
Co	59	45	He	0.607	ug/l	5.8	2000	
Ni	60	45	He	2.896	ug/l	6.0	20000	
Cu	63	45	He	10.336	ug/l	0.7	20000	
Zn	66	45	He	281.712	ug/l	1.8	20000	
As	75	45	He	1.957	ug/l	8.1	5000	
Se	78	45	H2	0.240	ug/l	17.9	3000	
Sr	88	115	He	1106.213	ug/l	0.4	5000	
Mo	95	115	He	7.361	ug/l	2.7	2000	
Ag	107	115	He	0.006	ug/l	67.9	1000	
Cd	111	115	He	0.015	ug/l	100.9	5000	
Sn	118	115	He	0.523	ug/l	35.3	2000	
Sb	121	115	He	0.519	ug/l	17.8	1000	
Ba	137	159	He	34.644	ug/l	2.2	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	2.264	ug/l	3.0		
[Pb]	207	209	He	2.263	ug/l	1.9		
Pb	208	209	He	2.275	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10959243.73	0.5	94.1	60	125	
Sc (ISICPMS)	45	No Gas	9556373.61	1.7	94.6	60	125	
Sc (ISICPMS)	45	H2	3289581.27	0.2	94.3	60	125	
Sc (ISICPMS)	45	He	116594.68	2.4	90.8	60	125	
Ge (IS)	74	H2	680470.73	0.5	101.3	60	125	
Ge (IS)	74	He	67088.94	2.4	102.7	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149098.75	2.2	93.1	60	125	
Tb (IS)	159	He	902987.45	1.6	96.7	60	125	
Bi (IS)	209	He	753831.88	1.2	94.5	60	125	

Sample Report

File Name 176SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:35:49

Sample Name **460-300175-a-7-a**

Comment ---

Dilution **1.0000**

Vial # 4202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.098	ug/l	5.1	2000	
B	11	6	No Gas	9.584	ug/l	0.9	2000	
Na	23	45	He	1003.622	ug/l	1.9	500000	
Mg	24	45	He	668.973	ug/l	1.4	500000	
Al	27	45	He	1839.253	ug/l	1.9	500000	
K	39	45	He	1374.354	ug/l	4.4	500000	
Ca	40	45	H2	2104.279	ug/l	0.8	1000000	
Ti	47	45	No Gas	44.367	ug/l	1.8	10000	
V	51	45	He	2.285	ug/l	3.1	5000	
Cr	52	45	He	0.648	ug/l	35.9	20000	
Mn	55	45	He	38.173	ug/l	1.4	20000	
Fe	56	45	H2	1933.452	ug/l	2.0	500000	
Co	59	45	He	0.571	ug/l	4.3	2000	
Ni	60	45	He	1.319	ug/l	12.4	20000	
Cu	63	45	He	3.760	ug/l	1.3	20000	
Zn	66	45	He	27.301	ug/l	2.3	20000	
As	75	45	He	0.572	ug/l	42.0	5000	
Se	78	45	H2	0.066	ug/l	82.5	3000	
Sr	88	115	He	9.191	ug/l	2.7	5000	
Mo	95	115	He	0.387	ug/l	1.4	2000	
Ag	107	115	He	0.009	ug/l	109.9	1000	
Cd	111	115	He	0.070	ug/l	39.6	5000	
Sn	118	115	He	0.476	ug/l	8.5	2000	
Sb	121	115	He	0.461	ug/l	4.4	1000	
Ba	137	159	He	11.758	ug/l	6.1	20000	
Tl	205	209	He	-0.180	ug/l	N/A	1000	
[Pb]	206	209	He	1.440	ug/l	1.3		
[Pb]	207	209	He	1.390	ug/l	4.2		
Pb	208	209	He	1.420	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11119620.39	0.9	95.4	60	125	
Sc (ISICPMS)	45	No Gas	9710492.77	0.8	96.1	60	125	
Sc (ISICPMS)	45	H2	3321422.76	1.8	95.3	60	125	
Sc (ISICPMS)	45	He	117714.54	1.5	91.7	60	125	
Ge (IS)	74	H2	684288.38	1.5	101.9	60	125	
Ge (IS)	74	He	67416.14	1.1	103.2	60	125	
Kr	83	He	16.68	124.9				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151604.50	1.0	94.7	60	125	
Tb (IS)	159	He	907477.60	1.3	97.2	60	125	
Bi (IS)	209	He	790445.40	1.5	99.1	60	125	

Sample Report

File Name 177SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:38:14

Sample Name **460-300175-a-12-a**

Comment ---

Dilution **1.0000**

Vial # 4203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.064	ug/l	22.8	2000	
B	11	6	No Gas	22.417	ug/l	0.4	2000	
Na	23	45	He	1730.913	ug/l	1.8	500000	
Mg	24	45	He	1645.371	ug/l	1.9	500000	
Al	27	45	He	1138.195	ug/l	0.5	500000	
K	39	45	He	2099.594	ug/l	4.2	500000	
Ca	40	45	H2	9792.829	ug/l	0.7	1000000	
Ti	47	45	No Gas	24.800	ug/l	0.4	10000	
V	51	45	He	1.616	ug/l	4.4	5000	
Cr	52	45	He	0.183	ug/l	98.8	20000	
Mn	55	45	He	50.714	ug/l	1.4	20000	
Fe	56	45	H2	1483.846	ug/l	1.0	500000	
Co	59	45	He	0.453	ug/l	5.1	2000	
Ni	60	45	He	1.598	ug/l	2.8	20000	
Cu	63	45	He	3.665	ug/l	1.4	20000	
Zn	66	45	He	21.732	ug/l	8.9	20000	
As	75	45	He	0.356	ug/l	25.0	5000	
Se	78	45	H2	0.101	ug/l	41.5	3000	
Sr	88	115	He	37.164	ug/l	1.4	5000	
Mo	95	115	He	0.345	ug/l	29.2	2000	
Ag	107	115	He	0.007	ug/l	87.9	1000	
Cd	111	115	He	0.066	ug/l	23.9	5000	
Sn	118	115	He	1.605	ug/l	13.0	2000	
Sb	121	115	He	1.132	ug/l	4.9	1000	
Ba	137	159	He	23.400	ug/l	1.2	20000	
Tl	205	209	He	-0.182	ug/l	N/A	1000	
[Pb]	206	209	He	0.992	ug/l	4.1		
[Pb]	207	209	He	0.900	ug/l	4.1		
Pb	208	209	He	0.957	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11252907.20	0.6	96.6	60	125	
Sc (ISICPMS)	45	No Gas	9736093.81	0.3	96.4	60	125	
Sc (ISICPMS)	45	H2	3303308.88	0.3	94.7	60	125	
Sc (ISICPMS)	45	He	117509.26	2.3	91.5	60	125	
Ge (IS)	74	H2	685416.56	0.7	102.0	60	125	
Ge (IS)	74	He	67370.28	2.5	103.1	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151563.87	1.5	94.6	60	125	
Tb (IS)	159	He	906328.44	2.0	97.0	60	125	
Bi (IS)	209	He	786352.82	1.2	98.6	60	125	

Sample Report

File Name 178SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:40:37

Sample Name **460-300175-a-17-a**

Comment ---

Dilution **1.0000**

Vial # 4204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.056	ug/l	14.9	2000	
B	11	6	No Gas	10.094	ug/l	1.4	2000	
Na	23	45	He	52782.292	ug/l	1.0	500000	
Mg	24	45	He	1459.350	ug/l	1.9	500000	
Al	27	45	He	841.835	ug/l	1.6	500000	
K	39	45	He	1212.607	ug/l	7.6	500000	
Ca	40	45	H2	5637.024	ug/l	1.8	1000000	
Ti	47	45	No Gas	31.871	ug/l	3.4	10000	
V	51	45	He	2.487	ug/l	1.8	5000	
Cr	52	45	He	0.605	ug/l	35.7	20000	
Mn	55	45	He	80.924	ug/l	0.9	20000	
Fe	56	45	H2	4155.679	ug/l	1.8	500000	
Co	59	45	He	0.493	ug/l	9.9	2000	
Ni	60	45	He	1.190	ug/l	11.9	20000	
Cu	63	45	He	3.689	ug/l	3.3	20000	
Zn	66	45	He	35.945	ug/l	3.4	20000	
As	75	45	He	1.273	ug/l	30.7	5000	
Se	78	45	H2	0.122	ug/l	75.9	3000	
Sr	88	115	He	27.118	ug/l	1.5	5000	
Mo	95	115	He	0.432	ug/l	14.5	2000	
Ag	107	115	He	0.203	ug/l	4.0	1000	
Cd	111	115	He	0.052	ug/l	87.6	5000	
Sn	118	115	He	5.780	ug/l	3.3	2000	
Sb	121	115	He	0.404	ug/l	10.3	1000	
Ba	137	159	He	11.338	ug/l	3.4	20000	
Tl	205	209	He	-0.186	ug/l	N/A	1000	
[Pb]	206	209	He	1.296	ug/l	1.5		
[Pb]	207	209	He	1.289	ug/l	3.6		
Pb	208	209	He	1.291	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11118411.92	0.6	95.4	60	125	
Sc (ISICPMS)	45	No Gas	9643056.80	0.7	95.4	60	125	
Sc (ISICPMS)	45	H2	3303185.44	1.0	94.7	60	125	
Sc (ISICPMS)	45	He	117237.00	1.4	91.3	60	125	
Ge (IS)	74	H2	680115.40	1.3	101.3	60	125	
Ge (IS)	74	He	67214.89	2.1	102.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150818.56	1.7	94.2	60	125	
Tb (IS)	159	He	900282.54	0.7	96.4	60	125	
Bi (IS)	209	He	777413.09	1.2	97.5	60	125	

Sample Report

File Name 179SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:43:01

Sample Name **460-299896-d-1-a**

Comment ---

Dilution **1.0000**

Vial # 4205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.050	ug/l	8.9	2000	
B	11	6	No Gas	6.855	ug/l	2.6	2000	
Na	23	45	He	19341.152	ug/l	0.5	500000	
Mg	24	45	He	21032.965	ug/l	1.1	500000	
Al	27	45	He	6.059	ug/l	41.7	500000	
K	39	45	He	3793.877	ug/l	3.0	500000	
Ca	40	45	H2	51399.668	ug/l	1.1	1000000	
Ti	47	45	No Gas	0.736	ug/l	21.4	10000	
V	51	45	He	-0.189	ug/l	N/A	5000	
Cr	52	45	He	0.043	ug/l	316.7	20000	
Mn	55	45	He	3.031	ug/l	5.4	20000	
Fe	56	45	H2	8.978	ug/l	4.8	500000	
Co	59	45	He	0.039	ug/l	47.4	2000	
Ni	60	45	He	0.646	ug/l	27.3	20000	
Cu	63	45	He	-0.160	ug/l	N/A	20000	
Zn	66	45	He	4.115	ug/l	18.8	20000	
As	75	45	He	0.320	ug/l	11.6	5000	
Se	78	45	H2	3.821	ug/l	2.2	3000	
Sr	88	115	He	208.460	ug/l	0.9	5000	
Mo	95	115	He	-0.019	ug/l	N/A	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.033	ug/l	48.6	5000	
Sn	118	115	He	0.522	ug/l	12.4	2000	
Sb	121	115	He	-0.040	ug/l	N/A	1000	
Ba	137	159	He	51.978	ug/l	3.6	20000	
Tl	205	209	He	-0.159	ug/l	N/A	1000	
[Pb]	206	209	He	0.052	ug/l	17.0		
[Pb]	207	209	He	0.090	ug/l	7.2		
Pb	208	209	He	0.067	ug/l	3.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11101389.00	1.4	95.3	60	125	
Sc (ISICPMS)	45	No Gas	9712591.66	0.3	96.1	60	125	
Sc (ISICPMS)	45	H2	3301802.14	1.4	94.7	60	125	
Sc (ISICPMS)	45	He	117129.89	1.7	91.2	60	125	
Ge (IS)	74	H2	679880.01	1.1	101.2	60	125	
Ge (IS)	74	He	66223.55	1.8	101.4	60	125	
Kr	83	He	13.35	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149631.47	1.7	93.4	60	125	
Tb (IS)	159	He	889725.42	1.6	95.3	60	125	
Bi (IS)	209	He	768647.66	2.3	96.4	60	125	

Sample Report

File Name 180SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:45:25

Sample Name **460-299896-e-2-a**

Comment ---

Dilution **1.0000**

Vial # 4206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.023	ug/l	8.2	2000	
B	11	6	No Gas	134.846	ug/l	1.7	2000	
Na	23	45	He	70632.960	ug/l	1.3	500000	
Mg	24	45	He	4781.755	ug/l	0.6	500000	
Al	27	45	He	9.872	ug/l	6.5	500000	
K	39	45	He	3891.268	ug/l	2.7	500000	
Ca	40	45	H2	16324.303	ug/l	1.4	1000000	
Ti	47	45	No Gas	0.557	ug/l	16.1	10000	
V	51	45	He	-0.030	ug/l	N/A	5000	
Cr	52	45	He	1.198	ug/l	14.2	20000	
Mn	55	45	He	20.914	ug/l	0.8	20000	
Fe	56	45	H2	15.016	ug/l	4.8	500000	
Co	59	45	He	0.197	ug/l	17.6	2000	
Ni	60	45	He	0.557	ug/l	21.8	20000	
Cu	63	45	He	0.747	ug/l	18.2	20000	
Zn	66	45	He	3.766	ug/l	18.2	20000	
As	75	45	He	0.288	ug/l	31.0	5000	
Se	78	45	H2	0.220	ug/l	10.9	3000	
Sr	88	115	He	111.982	ug/l	1.5	5000	
Mo	95	115	He	0.039	ug/l	82.3	2000	
Ag	107	115	He	0.002	ug/l	151.5	1000	
Cd	111	115	He	0.024	ug/l	71.7	5000	
Sn	118	115	He	0.123	ug/l	45.4	2000	
Sb	121	115	He	0.017	ug/l	185.1	1000	
Ba	137	159	He	43.723	ug/l	1.8	20000	
Tl	205	209	He	-0.167	ug/l	N/A	1000	
[Pb]	206	209	He	0.088	ug/l	26.1		
[Pb]	207	209	He	0.082	ug/l	32.5		
Pb	208	209	He	0.085	ug/l	17.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10983299.28	1.0	94.3	60	125	
Sc (ISICPMS)	45	No Gas	9612165.41	1.4	95.1	60	125	
Sc (ISICPMS)	45	H2	3280678.25	1.4	94.1	60	125	
Sc (ISICPMS)	45	He	116112.46	2.1	90.4	60	125	
Ge (IS)	74	H2	676271.82	1.6	100.7	60	125	
Ge (IS)	74	He	66565.29	1.6	101.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150324.70	2.3	93.9	60	125	
Tb (IS)	159	He	889500.53	2.0	95.2	60	125	
Bi (IS)	209	He	762670.75	1.7	95.6	60	125	

Sample Report

File Name 181SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:47:49

Sample Name **460-299896-e-3-a**

Comment ---

Dilution **1.0000**

Vial # 4207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.027	ug/l	4.5	2000	
B	11	6	No Gas	80.619	ug/l	1.6	2000	
Na	23	45	He	58057.391	ug/l	0.2	500000	
Mg	24	45	He	4290.856	ug/l	0.6	500000	
Al	27	45	He	35.524	ug/l	12.9	500000	
K	39	45	He	8002.605	ug/l	1.0	500000	
Ca	40	45	H2	12250.050	ug/l	1.6	1000000	
Ti	47	45	No Gas	1.689	ug/l	6.2	10000	
V	51	45	He	0.095	ug/l	69.8	5000	
Cr	52	45	He	1.444	ug/l	10.4	20000	
Mn	55	45	He	3.010	ug/l	4.4	20000	
Fe	56	45	H2	63.075	ug/l	2.3	500000	
Co	59	45	He	0.070	ug/l	14.1	2000	
Ni	60	45	He	0.547	ug/l	23.9	20000	
Cu	63	45	He	0.047	ug/l	69.9	20000	
Zn	66	45	He	3.901	ug/l	5.8	20000	
As	75	45	He	0.155	ug/l	24.4	5000	
Se	78	45	H2	0.193	ug/l	27.9	3000	
Sr	88	115	He	108.739	ug/l	1.5	5000	
Mo	95	115	He	0.049	ug/l	81.3	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.024	ug/l	68.2	5000	
Sn	118	115	He	0.117	ug/l	85.5	2000	
Sb	121	115	He	0.017	ug/l	63.6	1000	
Ba	137	159	He	38.202	ug/l	1.3	20000	
Tl	205	209	He	-0.182	ug/l	N/A	1000	
[Pb]	206	209	He	0.064	ug/l	44.3		
[Pb]	207	209	He	0.094	ug/l	12.0		
Pb	208	209	He	0.075	ug/l	12.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11069040.25	0.5	95.0	60	125	
Sc (ISICPMS)	45	No Gas	9650442.91	1.2	95.5	60	125	
Sc (ISICPMS)	45	H2	3274326.30	0.7	93.9	60	125	
Sc (ISICPMS)	45	He	114920.01	1.9	89.5	60	125	
Ge (IS)	74	H2	678057.05	1.2	100.9	60	125	
Ge (IS)	74	He	66144.11	2.7	101.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147881.00	2.2	92.3	60	125	
Tb (IS)	159	He	891747.78	1.1	95.5	60	125	
Bi (IS)	209	He	765751.32	1.5	96.0	60	125	

Continuing Calibration Verification (CCV)

File Name 182_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:50:12

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.079	ug/l	3.0	100	90	110	
B	11	6	No Gas	248.400	ug/l	1.0	250	225	275	
Na	23	45	He	25609.646	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25503.476	ug/l	0.8	25000	22500	27500	
Al	27	45	He	25044.066	ug/l	0.4	25000	22500	27500	
K	39	45	He	24885.064	ug/l	0.0	25000	22500	27500	
Ca	40	45	H2	24646.274	ug/l	2.4	25000	22500	27500	
Ti	47	45	No Gas	100.288	ug/l	0.7	100	90	110	
V	51	45	He	100.476	ug/l	0.1	100	90	110	
Cr	52	45	He	101.109	ug/l	0.7	100	90	110	
Mn	55	45	He	101.395	ug/l	0.9	100	90	110	
Fe	56	45	H2	25102.070	ug/l	2.2	25000	22500	27500	
Co	59	45	He	102.565	ug/l	0.8	100	90	110	
Ni	60	45	He	101.548	ug/l	0.9	100	90	110	
Cu	63	45	He	100.282	ug/l	0.9	100	90	110	
Zn	66	45	He	254.251	ug/l	0.2	250	225	275	
As	75	45	He	99.372	ug/l	3.2	100	90	110	
Se	78	45	H2	100.351	ug/l	1.9	100	90	110	
Sr	88	115	He	96.295	ug/l	1.1	100	90	110	
Mo	95	115	He	99.874	ug/l	1.4	100	90	110	
Ag	107	115	He	50.858	ug/l	1.5	50	45	55	
Cd	111	115	He	100.692	ug/l	2.4	100	90	110	
Sn	118	115	He	101.276	ug/l	1.5	100	90	110	
Sb	121	115	He	100.043	ug/l	1.7	100	90	110	
Ba	137	159	He	97.044	ug/l	2.7	100	90	110	
Tl	205	209	He	99.336	ug/l	1.0	100	90	110	
[Pb]	206	209	He	98.774	ug/l	0.5				
[Pb]	207	209	He	98.672	ug/l	0.4				
Pb	208	209	He	98.772	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11092277.61	1.8	95.2	60	125	
Sc (ISICPMS)	45	No Gas	9559305.90	0.1	94.6	60	125	
Sc (ISICPMS)	45	H2	3256845.30	1.3	93.4	60	125	
Sc (ISICPMS)	45	He	116647.96	1.7	90.9	60	125	
Ge (IS)	74	H2	650923.31	1.3	96.9	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	64541.01	1.3	98.8	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	149412.63	3.2	93.3	60	125	
Tb (IS)	159	He	895601.72	1.3	95.9	60	125	
Bi (IS)	209	He	763605.92	1.0	95.8	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 183_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:52:36

Sample Name **CCB**

Comment ---

Dilution 1.0000

Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	21.4	0.8	-0.8	0.8	
B	11	6	No Gas	4.832	ug/l	1.9	40	-40	40	
Na	23	45	He	-27.167	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.754	ug/l	14.5	200	-200	200	
Al	27	45	He	2.480	ug/l	89.9	40	-40	40	
K	39	45	He	24.769	ug/l	452.1	200	-200	200	
Ca	40	45	H2	5.418	ug/l	26.0	500	-500	500	
Ti	47	45	No Gas	0.070	ug/l	214.8	4	-4	4	
V	51	45	He	-0.228	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.437	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.088	ug/l	72.1	8	-8	8	
Fe	56	45	H2	3.069	ug/l	45.6	60	-60	60	
Co	59	45	He	-0.002	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.074	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.627	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.642	ug/l	16.9	16	-16	16	
As	75	45	He	0.054	ug/l	264.0	2	-2	2	
Se	78	45	H2	0.189	ug/l	23.2	2.5	-2.5	2.5	
Sr	88	115	He	0.030	ug/l	63.4	4	-4	4	
Mo	95	115	He	0.019	ug/l	211.4	4	-4	4	
Ag	107	115	He	-0.003	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.009	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.086	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.031	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.038	ug/l	238.7	4	-4	4	
Tl	205	209	He	-0.147	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.025	ug/l	100.7				
[Pb]	207	209	He	0.028	ug/l	81.5				
Pb	208	209	He	0.033	ug/l	9.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11306851.64	0.1	97.1	60	125	
Sc (ISICPMS)	45	No Gas	9598923.68	0.5	95.0	60	125	
Sc (ISICPMS)	45	H2	3238041.31	0.9	92.9	60	125	
Sc (ISICPMS)	45	He	116442.47	2.5	90.7	60	125	
Ge (IS)	74	H2	634905.36	1.3	94.5	60	125	
Ge (IS)	74	He	62380.66	1.7	95.5	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	150415.00	1.5	93.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	896765.90	1.4	96.0	60	125	
Bi (IS)	209	He	781707.44	1.4	98.0	60	125	

Sample Report

File Name 184SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:54:59

Sample Name **mb 460-965495/1-a**

Comment ---

Dilution **1.0000**

Vial # 4401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	39.9	2000	
B	11	6	No Gas	3.419	ug/l	0.4	2000	
Na	23	45	He	-12.955	ug/l	N/A	500000	
Mg	24	45	He	0.565	ug/l	85.6	500000	
Al	27	45	He	-1.138	ug/l	N/A	500000	
K	39	45	He	6.550	ug/l	1055.8	500000	
Ca	40	45	H2	2.469	ug/l	21.9	1000000	
Ti	47	45	No Gas	-0.082	ug/l	N/A	10000	
V	51	45	He	-0.179	ug/l	N/A	5000	
Cr	52	45	He	-0.368	ug/l	N/A	20000	
Mn	55	45	He	0.054	ug/l	90.5	20000	
Fe	56	45	H2	1.942	ug/l	35.0	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.072	ug/l	N/A	20000	
Cu	63	45	He	-0.663	ug/l	N/A	20000	
Zn	66	45	He	2.375	ug/l	78.9	20000	
As	75	45	He	0.051	ug/l	40.5	5000	
Se	78	45	H2	0.053	ug/l	202.4	3000	
Sr	88	115	He	0.008	ug/l	596.7	5000	
Mo	95	115	He	0.032	ug/l	90.3	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.019	ug/l	766.8	2000	
Sb	121	115	He	-0.012	ug/l	N/A	1000	
Ba	137	159	He	-0.002	ug/l	N/A	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	89.4		
[Pb]	207	209	He	0.039	ug/l	32.3		
Pb	208	209	He	0.038	ug/l	39.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11011215.39	0.5	94.5	60	125	
Sc (ISICPMS)	45	No Gas	9656009.72	0.8	95.6	60	125	
Sc (ISICPMS)	45	H2	3255793.67	1.9	93.4	60	125	
Sc (ISICPMS)	45	He	116847.28	1.1	91.0	60	125	
Ge (IS)	74	H2	638002.33	1.5	95.0	60	125	
Ge (IS)	74	He	63069.35	1.5	96.5	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150243.20	2.2	93.8	60	125	
Tb (IS)	159	He	895215.75	1.3	95.8	60	125	
Bi (IS)	209	He	776200.69	1.1	97.3	60	125	

Sample Report

File Name 185SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:57:24

Sample Name **lcs 460-965495/2-a**

Comment ---

Dilution **1.0000**

Vial # 4402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	21.898	ug/l	1.7	2000	
B	11	6	No Gas	476.641	ug/l	0.7	2000	
Na	23	45	He	2466.698	ug/l	1.6	500000	
Mg	24	45	He	2460.248	ug/l	1.4	500000	
Al	27	45	He	2456.249	ug/l	3.2	500000	
K	39	45	He	2456.484	ug/l	4.7	500000	
Ca	40	45	H2	2418.872	ug/l	1.4	1000000	
Ti	47	45	No Gas	47.244	ug/l	2.7	10000	
V	51	45	He	47.109	ug/l	2.1	5000	
Cr	52	45	He	47.938	ug/l	1.2	20000	
Mn	55	45	He	236.530	ug/l	0.7	20000	
Fe	56	45	H2	2448.719	ug/l	1.1	500000	
Co	59	45	He	24.501	ug/l	2.0	2000	
Ni	60	45	He	49.160	ug/l	1.8	20000	
Cu	63	45	He	48.210	ug/l	0.6	20000	
Zn	66	45	He	247.569	ug/l	1.8	20000	
As	75	45	He	46.057	ug/l	3.3	5000	
Se	78	45	H2	47.349	ug/l	2.1	3000	
Sr	88	115	He	44.278	ug/l	1.0	5000	
Mo	95	115	He	46.515	ug/l	0.8	2000	
Ag	107	115	He	24.177	ug/l	1.3	1000	
Cd	111	115	He	23.695	ug/l	1.1	5000	
Sn	118	115	He	50.160	ug/l	1.3	2000	
Sb	121	115	He	24.818	ug/l	2.2	1000	
Ba	137	159	He	46.655	ug/l	2.0	20000	
Tl	205	209	He	18.678	ug/l	0.1	1000	
[Pb]	206	209	He	23.789	ug/l	0.5		
[Pb]	207	209	He	23.515	ug/l	0.3		
Pb	208	209	He	23.584	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11238071.22	1.1	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9679312.77	1.0	95.8	60	125	
Sc (ISICPMS)	45	H2	3295247.21	0.9	94.5	60	125	
Sc (ISICPMS)	45	He	117992.16	1.6	91.9	60	125	
Ge (IS)	74	H2	653180.80	1.2	97.2	60	125	
Ge (IS)	74	He	63533.75	0.9	97.3	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	152227.76	1.7	95.1	60	125	
Tb (IS)	159	He	905905.80	1.5	97.0	60	125	
Bi (IS)	209	He	779291.71	1.3	97.7	60	125	

Sample Report

File Name 186SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 21:59:48

Sample Name **460-299896-d-4-a**

Comment ---

Dilution **1.0000**

Vial # 4208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.021	ug/l	23.1	2000	
B	11	6	No Gas	109.418	ug/l	1.0	2000	
Na	23	45	He	58107.715	ug/l	1.0	500000	
Mg	24	45	He	4297.855	ug/l	0.7	500000	
Al	27	45	He	57.785	ug/l	8.5	500000	
K	39	45	He	2540.547	ug/l	2.8	500000	
Ca	40	45	H2	13115.053	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.295	ug/l	21.5	10000	
V	51	45	He	0.462	ug/l	22.5	5000	
Cr	52	45	He	-0.779	ug/l	N/A	20000	
Mn	55	45	He	14.735	ug/l	2.7	20000	
Fe	56	45	H2	34.332	ug/l	1.8	500000	
Co	59	45	He	0.537	ug/l	9.8	2000	
Ni	60	45	He	0.498	ug/l	17.4	20000	
Cu	63	45	He	1.464	ug/l	12.4	20000	
Zn	66	45	He	5.059	ug/l	12.5	20000	
As	75	45	He	0.171	ug/l	69.9	5000	
Se	78	45	H2	0.217	ug/l	37.1	3000	
Sr	88	115	He	112.059	ug/l	0.8	5000	
Mo	95	115	He	0.142	ug/l	15.8	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.019	ug/l	86.6	5000	
Sn	118	115	He	3.021	ug/l	3.5	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	50.385	ug/l	2.2	20000	
Tl	205	209	He	-0.165	ug/l	N/A	1000	
[Pb]	206	209	He	0.125	ug/l	2.4		
[Pb]	207	209	He	0.115	ug/l	13.6		
Pb	208	209	He	0.118	ug/l	6.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11134907.06	0.8	95.6	60	125	
Sc (ISICPMS)	45	No Gas	9697611.66	1.5	96.0	60	125	
Sc (ISICPMS)	45	H2	3304289.47	1.4	94.8	60	125	
Sc (ISICPMS)	45	He	118084.51	2.1	92.0	60	125	
Ge (IS)	74	H2	681790.57	1.3	101.5	60	125	
Ge (IS)	74	He	67437.00	2.7	103.2	60	125	
Kr	83	He	16.68	34.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149780.78	1.6	93.5	60	125	
Tb (IS)	159	He	895167.28	1.3	95.8	60	125	
Bi (IS)	209	He	775622.08	1.0	97.3	60	125	

Sample Report

File Name 187SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:02:12

Sample Name **460-299896-d-5-a**

Comment ---

Dilution **1.0000**

Vial # 4209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.042	ug/l	11.1	2000	
B	11	6	No Gas	65.560	ug/l	0.8	2000	
Na	23	45	He	90021.756	ug/l	0.1	500000	
Mg	24	45	He	7430.614	ug/l	0.2	500000	
Al	27	45	He	18.155	ug/l	33.6	500000	
K	39	45	He	3081.387	ug/l	2.6	500000	
Ca	40	45	H2	12152.225	ug/l	1.5	1000000	
Ti	47	45	No Gas	0.532	ug/l	28.6	10000	
V	51	45	He	0.020	ug/l	329.2	5000	
Cr	52	45	He	3.916	ug/l	2.8	20000	
Mn	55	45	He	2.827	ug/l	5.4	20000	
Fe	56	45	H2	6.866	ug/l	14.4	500000	
Co	59	45	He	0.103	ug/l	5.8	2000	
Ni	60	45	He	0.233	ug/l	25.1	20000	
Cu	63	45	He	0.120	ug/l	51.9	20000	
Zn	66	45	He	3.015	ug/l	15.2	20000	
As	75	45	He	0.173	ug/l	42.4	5000	
Se	78	45	H2	0.397	ug/l	23.2	3000	
Sr	88	115	He	149.378	ug/l	1.3	5000	
Mo	95	115	He	0.053	ug/l	51.4	2000	
Ag	107	115	He	0.009	ug/l	16.6	1000	
Cd	111	115	He	0.019	ug/l	115.9	5000	
Sn	118	115	He	21.074	ug/l	3.0	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	94.383	ug/l	2.5	20000	
Tl	205	209	He	-0.167	ug/l	N/A	1000	
[Pb]	206	209	He	0.042	ug/l	90.2		
[Pb]	207	209	He	0.049	ug/l	60.9		
Pb	208	209	He	0.043	ug/l	10.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11019919.84	0.6	94.6	60	125	
Sc (ISICPMS)	45	No Gas	9728774.85	1.1	96.3	60	125	
Sc (ISICPMS)	45	H2	3263179.57	0.9	93.6	60	125	
Sc (ISICPMS)	45	He	117086.15	1.5	91.2	60	125	
Ge (IS)	74	H2	675335.80	1.5	100.5	60	125	
Ge (IS)	74	He	66983.78	1.0	102.5	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	148750.71	2.1	92.9	60	125	
Tb (IS)	159	He	895413.88	1.4	95.9	60	125	
Bi (IS)	209	He	764118.64	1.7	95.8	60	125	

Sample Report

File Name 188SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:04:35

Sample Name **460-299896-e-6-e**

Comment ---

Dilution **1.0000**

Vial # 4210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.349	ug/l	3.9	2000	
B	11	6	No Gas	7.693	ug/l	1.7	2000	
Na	23	45	He	4650.217	ug/l	1.6	500000	
Mg	24	45	He	24403.973	ug/l	1.4	500000	
Al	27	45	He	33.238	ug/l	11.5	500000	
K	39	45	He	1384.501	ug/l	6.9	500000	
Ca	40	45	H2	26585.977	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.127	ug/l	12.7	10000	
V	51	45	He	-0.162	ug/l	N/A	5000	
Cr	52	45	He	0.067	ug/l	29.6	20000	
Mn	55	45	He	71.899	ug/l	0.3	20000	
Fe	56	45	H2	22.244	ug/l	1.1	500000	
Co	59	45	He	0.329	ug/l	6.4	2000	
Ni	60	45	He	0.508	ug/l	11.4	20000	
Cu	63	45	He	-0.290	ug/l	N/A	20000	
Zn	66	45	He	3.719	ug/l	11.8	20000	
As	75	45	He	0.496	ug/l	70.2	5000	
Se	78	45	H2	1.872	ug/l	3.8	3000	
Sr	88	115	He	122.074	ug/l	1.4	5000	
Mo	95	115	He	-0.006	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	167.1	1000	
Cd	111	115	He	0.142	ug/l	19.8	5000	
Sn	118	115	He	2.064	ug/l	10.6	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	66.403	ug/l	3.2	20000	
Tl	205	209	He	-0.164	ug/l	N/A	1000	
[Pb]	206	209	He	0.092	ug/l	38.5		
[Pb]	207	209	He	0.101	ug/l	29.6		
Pb	208	209	He	0.082	ug/l	35.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11170929.28	0.6	95.9	60	125	
Sc (ISICPMS)	45	No Gas	9753488.26	0.9	96.5	60	125	
Sc (ISICPMS)	45	H2	3316572.03	0.8	95.1	60	125	
Sc (ISICPMS)	45	He	115936.19	1.8	90.3	60	125	
Ge (IS)	74	H2	685257.47	0.5	102.0	60	125	
Ge (IS)	74	He	66380.18	1.7	101.6	60	125	
Kr	83	He	26.69	94.4				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150792.18	2.0	94.2	60	125	
Tb (IS)	159	He	905720.38	1.6	97.0	60	125	
Bi (IS)	209	He	774063.65	0.7	97.1	60	125	

Sample Report

File Name 189SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:07:00

Sample Name **460-299896-e-7-a**

Comment ---

Dilution **1.0000**

Vial # 4211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.064	ug/l	5.2	2000	
B	11	6	No Gas	7.601	ug/l	4.5	2000	
Na	23	45	He	15955.831	ug/l	1.5	500000	
Mg	24	45	He	18419.720	ug/l	0.5	500000	
Al	27	45	He	32.848	ug/l	64.6	500000	
K	39	45	He	2169.846	ug/l	2.7	500000	
Ca	40	45	H2	42792.949	ug/l	1.0	1000000	
Ti	47	45	No Gas	0.896	ug/l	27.2	10000	
V	51	45	He	-0.025	ug/l	N/A	5000	
Cr	52	45	He	0.828	ug/l	31.9	20000	
Mn	55	45	He	2.586	ug/l	10.2	20000	
Fe	56	45	H2	38.488	ug/l	2.2	500000	
Co	59	45	He	0.076	ug/l	10.2	2000	
Ni	60	45	He	0.111	ug/l	143.8	20000	
Cu	63	45	He	1.023	ug/l	9.3	20000	
Zn	66	45	He	5.069	ug/l	63.3	20000	
As	75	45	He	0.348	ug/l	36.7	5000	
Se	78	45	H2	2.098	ug/l	11.9	3000	
Sr	88	115	He	222.311	ug/l	0.8	5000	
Mo	95	115	He	0.004	ug/l	616.7	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.056	ug/l	88.8	5000	
Sn	118	115	He	0.228	ug/l	46.5	2000	
Sb	121	115	He	0.014	ug/l	155.3	1000	
Ba	137	159	He	91.228	ug/l	1.4	20000	
Tl	205	209	He	-0.175	ug/l	N/A	1000	
[Pb]	206	209	He	0.240	ug/l	6.5		
[Pb]	207	209	He	0.222	ug/l	32.8		
Pb	208	209	He	0.230	ug/l	8.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11110174.56	1.0	95.4	60	125	
Sc (ISICPMS)	45	No Gas	9661080.83	0.3	95.6	60	125	
Sc (ISICPMS)	45	H2	3289138.25	0.9	94.3	60	125	
Sc (ISICPMS)	45	He	116815.76	1.6	91.0	60	125	
Ge (IS)	74	H2	679590.05	1.3	101.2	60	125	
Ge (IS)	74	He	66281.65	2.2	101.5	60	125	
Kr	83	He	13.35	43.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150986.86	2.0	94.3	60	125	
Tb (IS)	159	He	896199.67	0.8	95.9	60	125	
Bi (IS)	209	He	770428.04	1.6	96.6	60	125	

Sample Report

File Name 190SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:09:23

Sample Name **460-300248-c-1-a**

Comment ---

Dilution **1.0000**

Vial # 4212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	324.067	ug/l	0.0	2000	
Na	23	45	He	24083.146	ug/l	0.7	500000	
Mg	24	45	He	4312.377	ug/l	0.5	500000	
Al	27	45	He	2.491	ug/l	61.5	500000	
K	39	45	He	120960.703	ug/l	0.9	500000	
Ca	40	45	H2	179403.817	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.430	ug/l	15.4	10000	
V	51	45	He	9.555	ug/l	2.4	5000	
Cr	52	45	He	0.517	ug/l	17.6	20000	
Mn	55	45	He	0.144	ug/l	68.1	20000	
Fe	56	45	H2	13.932	ug/l	0.7	500000	
Co	59	45	He	0.092	ug/l	13.0	2000	
Ni	60	45	He	0.462	ug/l	21.6	20000	
Cu	63	45	He	0.137	ug/l	45.8	20000	
Zn	66	45	He	2.441	ug/l	5.2	20000	
As	75	45	He	0.467	ug/l	31.5	5000	
Se	78	45	H2	4.990	ug/l	3.5	3000	
Sr	88	115	He	1039.013	ug/l	1.0	5000	
Mo	95	115	He	12.228	ug/l	1.3	2000	
Ag	107	115	He	0.006	ug/l	144.2	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.375	ug/l	56.7	2000	
Sb	121	115	He	0.177	ug/l	22.3	1000	
Ba	137	159	He	24.711	ug/l	4.1	20000	
Tl	205	209	He	-0.186	ug/l	N/A	1000	
[Pb]	206	209	He	0.076	ug/l	52.3		
[Pb]	207	209	He	0.084	ug/l	11.7		
Pb	208	209	He	0.077	ug/l	10.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11025633.03	1.3	94.6	60	125	
Sc (ISICPMS)	45	No Gas	9681950.55	0.9	95.8	60	125	
Sc (ISICPMS)	45	H2	3278619.57	1.3	94.0	60	125	
Sc (ISICPMS)	45	He	115119.65	1.3	89.7	60	125	
Ge (IS)	74	H2	677558.42	0.9	100.9	60	125	
Ge (IS)	74	He	65877.04	1.6	100.8	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	148509.92	1.5	92.7	60	125	
Tb (IS)	159	He	887417.34	1.2	95.0	60	125	
Bi (IS)	209	He	758948.97	1.7	95.2	60	125	

Sample Report

File Name 191SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:11:49

Sample Name **460-300021-g-1-a**

Comment ---

Dilution **1.0000**

Vial # 4301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	21.547	ug/l	1.8	2000	
Na	23	45	He	38604.280	ug/l	0.2	500000	
Mg	24	45	He	30735.344	ug/l	0.2	500000	
Al	27	45	He	7.153	ug/l	40.4	500000	
K	39	45	He	1539.146	ug/l	5.5	500000	
Ca	40	45	H2	68696.145	ug/l	0.7	1000000	
Ti	47	45	No Gas	0.726	ug/l	17.3	10000	
V	51	45	He	0.291	ug/l	6.9	5000	
Cr	52	45	He	1.771	ug/l	5.2	20000	
Mn	55	45	He	0.076	ug/l	169.2	20000	
Fe	56	45	H2	5.187	ug/l	3.8	500000	
Co	59	45	He	0.015	ug/l	85.2	2000	
Ni	60	45	He	0.698	ug/l	7.1	20000	
Cu	63	45	He	0.374	ug/l	18.8	20000	
Zn	66	45	He	3.839	ug/l	21.8	20000	
As	75	45	He	0.215	ug/l	11.9	5000	
Se	78	45	H2	0.080	ug/l	113.1	3000	
Sr	88	115	He	84.602	ug/l	1.8	5000	
Mo	95	115	He	0.819	ug/l	8.6	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.872	ug/l	4.4	2000	
Sb	121	115	He	0.028	ug/l	82.0	1000	
Ba	137	159	He	18.159	ug/l	4.2	20000	
Tl	205	209	He	-0.179	ug/l	N/A	1000	
[Pb]	206	209	He	0.074	ug/l	39.8		
[Pb]	207	209	He	0.048	ug/l	34.7		
Pb	208	209	He	0.065	ug/l	21.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10966773.03	1.1	94.1	60	125	
Sc (ISICPMS)	45	No Gas	9622199.79	0.9	95.2	60	125	
Sc (ISICPMS)	45	H2	3294431.31	0.4	94.5	60	125	
Sc (ISICPMS)	45	He	115668.12	1.9	90.1	60	125	
Ge (IS)	74	H2	679158.67	0.4	101.1	60	125	
Ge (IS)	74	He	66121.66	2.2	101.2	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149272.61	0.8	93.2	60	125	
Tb (IS)	159	He	891584.49	0.6	95.4	60	125	
Bi (IS)	209	He	764136.32	1.4	95.8	60	125	

Sample Report

File Name 192SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:14:13

Sample Name **460-300066-g-1-a@10**

Comment ---

Dilution **1.0000**

Vial # 4302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.041	ug/l	15.8	2000	
B	11	6	No Gas	830.591	ug/l	0.3	2000	
Na	23	45	He	280630.753	ug/l	0.9	500000	
Mg	24	45	He	1717.498	ug/l	1.4	500000	
Al	27	45	He	1049.675	ug/l	0.8	500000	
K	39	45	He	10912.911	ug/l	2.1	500000	
Ca	40	45	H2	4722.072	ug/l	1.1	1000000	
Ti	47	45	No Gas	140.499	ug/l	3.0	10000	
V	51	45	He	3.162	ug/l	6.2	5000	
Cr	52	45	He	89.666	ug/l	1.6	20000	
Mn	55	45	He	910.409	ug/l	1.6	20000	
Fe	56	45	H2	10738.283	ug/l	1.3	500000	
Co	59	45	He	5.785	ug/l	0.7	2000	
Ni	60	45	He	649.801	ug/l	1.8	20000	
Cu	63	45	He	118.848	ug/l	1.7	20000	
Zn	66	45	He	2010.533	ug/l	0.8	20000	
As	75	45	He	6.805	ug/l	2.2	5000	
Se	78	45	H2	0.472	ug/l	29.4	3000	
Sr	88	115	He	17.222	ug/l	1.0	5000	
Mo	95	115	He	123.364	ug/l	0.8	2000	
Ag	107	115	He	26.750	ug/l	1.7	1000	
Cd	111	115	He	1.661	ug/l	18.7	5000	
Sn	118	115	He	3195.539	ug/l	0.7	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	5.354	ug/l	2.4	1000	
Ba	137	159	He	158.223	ug/l	0.5	20000	
Tl	205	209	He	-0.182	ug/l	N/A	1000	
[Pb]	206	209	He	12.562	ug/l	1.0		
[Pb]	207	209	He	12.597	ug/l	1.3		
Pb	208	209	He	12.575	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10870973.87	1.4	93.3	60	125	
Sc (ISICPMS)	45	No Gas	9541548.54	2.0	94.4	60	125	
Sc (ISICPMS)	45	H2	3229625.12	0.8	92.6	60	125	
Sc (ISICPMS)	45	He	115227.30	0.8	89.8	60	125	
Ge (IS)	74	H2	673771.85	0.9	100.3	60	125	
Ge (IS)	74	He	66164.51	2.6	101.3	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	142855.88	1.7	89.2	60	125	
Tb (IS)	159	He	882860.73	1.4	94.5	60	125	
Bi (IS)	209	He	772069.10	1.9	96.8	60	125	

Sample Report

File Name 193SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:16:39

Sample Name **PDS 460-300485-e-1-a**

Comment ---

Dilution **1.0000**

Vial # 4403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.216	ug/l	2.4	2000	
B	11	6	No Gas	530.266	ug/l	1.6	2000	
Na	23	45	He	17686.064	ug/l	0.8	500000	
Mg	24	45	He	28133.111	ug/l	0.6	500000	
Al	27	45	He	2482.681	ug/l	1.3	500000	
K	39	45	He	5422.757	ug/l	1.2	500000	
Ca	40	45	H2	44434.038	ug/l	2.3	1000000	
Ti	47	45	No Gas	50.169	ug/l	1.6	10000	
V	51	45	He	49.219	ug/l	0.3	5000	
Cr	52	45	He	49.965	ug/l	1.6	20000	
Mn	55	45	He	243.153	ug/l	1.8	20000	
Fe	56	45	H2	2508.137	ug/l	1.6	500000	
Co	59	45	He	24.840	ug/l	1.4	2000	
Ni	60	45	He	51.024	ug/l	1.3	20000	
Cu	63	45	He	51.849	ug/l	1.1	20000	
Zn	66	45	He	285.748	ug/l	0.5	20000	
As	75	45	He	49.173	ug/l	2.4	5000	
Se	78	45	H2	50.112	ug/l	4.9	3000	
Sr	88	115	He	128.368	ug/l	1.1	5000	
Mo	95	115	He	48.384	ug/l	1.6	2000	
Ag	107	115	He	24.716	ug/l	1.0	1000	
Cd	111	115	He	24.891	ug/l	2.5	5000	
Sn	118	115	He	58.412	ug/l	1.4	2000	
Sb	121	115	He	25.726	ug/l	1.9	1000	
Ba	137	159	He	73.850	ug/l	1.0	20000	
Tl	205	209	He	19.367	ug/l	0.6	1000	
[Pb]	206	209	He	24.800	ug/l	0.9		
[Pb]	207	209	He	24.361	ug/l	0.4		
Pb	208	209	He	24.692	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10876791.92	1.6	93.4	60	125	
Sc (ISICPMS)	45	No Gas	9632696.11	0.5	95.3	60	125	
Sc (ISICPMS)	45	H2	3265733.32	0.5	93.7	60	125	
Sc (ISICPMS)	45	He	115487.86	1.9	90.0	60	125	
Ge (IS)	74	H2	673369.22	0.7	100.2	60	125	
Ge (IS)	74	He	65910.89	1.4	100.9	60	125	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149348.77	2.2	93.3	60	125	
Tb (IS)	159	He	897060.54	1.0	96.0	60	125	
Bi (IS)	209	He	763691.45	1.4	95.8	60	125	

Continuing Calibration Verification (CCV)

File Name 194_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:19:01

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.067	ug/l	1.2	100	90	110	
B	11	6	No Gas	253.531	ug/l	0.5	250	225	275	
Na	23	45	He	25796.782	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25694.765	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25141.365	ug/l	0.4	25000	22500	27500	
K	39	45	He	25072.886	ug/l	0.1	25000	22500	27500	
Ca	40	45	H2	24989.941	ug/l	0.2	25000	22500	27500	
Ti	47	45	No Gas	98.850	ug/l	0.6	100	90	110	
V	51	45	He	100.387	ug/l	1.3	100	90	110	
Cr	52	45	He	101.080	ug/l	0.8	100	90	110	
Mn	55	45	He	100.287	ug/l	0.4	100	90	110	
Fe	56	45	H2	25042.360	ug/l	0.5	25000	22500	27500	
Co	59	45	He	102.919	ug/l	1.1	100	90	110	
Ni	60	45	He	102.764	ug/l	0.8	100	90	110	
Cu	63	45	He	101.500	ug/l	0.8	100	90	110	
Zn	66	45	He	260.668	ug/l	1.6	250	225	275	
As	75	45	He	99.178	ug/l	2.3	100	90	110	
Se	78	45	H2	99.306	ug/l	1.6	100	90	110	
Sr	88	115	He	96.716	ug/l	0.5	100	90	110	
Mo	95	115	He	99.752	ug/l	0.8	100	90	110	
Ag	107	115	He	51.037	ug/l	0.7	50	45	55	
Cd	111	115	He	101.524	ug/l	0.4	100	90	110	
Sn	118	115	He	106.820	ug/l	1.1	100	90	110	
Sb	121	115	He	100.953	ug/l	1.6	100	90	110	
Ba	137	159	He	96.431	ug/l	1.9	100	90	110	
Tl	205	209	He	100.315	ug/l	0.7	100	90	110	
[Pb]	206	209	He	98.933	ug/l	0.5				
[Pb]	207	209	He	99.288	ug/l	0.8				
Pb	208	209	He	99.317	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11085957.20	1.8	95.2	60	125	
Sc (ISICPMS)	45	No Gas	9548824.51	0.7	94.5	60	125	
Sc (ISICPMS)	45	H2	3249219.33	0.0	93.2	60	125	
Sc (ISICPMS)	45	He	114448.92	2.8	89.1	60	125	
Ge (IS)	74	H2	655405.54	0.7	97.6	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	64139.48	3.7	98.2	60	125	
Kr	83	He	6.67	173.2				
In-1	115	He	147569.81	2.8	92.1	60	125	
Tb (IS)	159	He	889067.10	1.9	95.2	60	125	
Bi (IS)	209	He	759070.62	1.4	95.2	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 195_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:21:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	24.3	0.8	-0.8	0.8	
B	11	6	No Gas	7.472	ug/l	4.9	40	-40	40	
Na	23	45	He	-22.186	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.150	ug/l	13.6	200	-200	200	
Al	27	45	He	0.956	ug/l	191.4	40	-40	40	
K	39	45	He	23.075	ug/l	391.1	200	-200	200	
Ca	40	45	H2	5.515	ug/l	8.5	500	-500	500	
Ti	47	45	No Gas	0.040	ug/l	261.0	4	-4	4	
V	51	45	He	-0.168	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.476	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.030	ug/l	N/A	8	-8	8	
Fe	56	45	H2	1.827	ug/l	21.9	60	-60	60	
Co	59	45	He	-0.005	ug/l	N/A	4	-4	4	
Ni	60	45	He	0.006	ug/l	3130.4	4	-4	4	
Cu	63	45	He	-0.642	ug/l	N/A	4	-4	4	
Zn	66	45	He	2.003	ug/l	11.6	16	-16	16	
As	75	45	He	0.088	ug/l	125.2	2	-2	2	
Se	78	45	H2	0.144	ug/l	68.2	2.5	-2.5	2.5	
Sr	88	115	He	0.041	ug/l	60.0	4	-4	4	
Mo	95	115	He	0.111	ug/l	28.7	4	-4	4	
Ag	107	115	He	0.007	ug/l	110.0	2	-2	2	
Cd	111	115	He	0.009	ug/l	173.2	2	-2	2	
Sn	118	115	He	1.895	ug/l	15.6	16	-16	16	
Sb	121	115	He	-0.024	ug/l	N/A	2	-2	2	
Ba	137	159	He	-0.002	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.142	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.026	ug/l	60.5				
[Pb]	207	209	He	0.047	ug/l	28.9				
Pb	208	209	He	0.039	ug/l	32.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11231812.19	1.9	96.4	60	125	
Sc (ISICPMS)	45	No Gas	9599932.50	0.4	95.0	60	125	
Sc (ISICPMS)	45	H2	3275816.06	1.3	93.9	60	125	
Sc (ISICPMS)	45	He	116207.32	1.4	90.5	60	125	
Ge (IS)	74	H2	639061.76	0.8	95.1	60	125	
Ge (IS)	74	He	62194.73	2.7	95.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	150412.30	1.1	93.9	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	895918.84	1.0	95.9	60	125	
Bi (IS)	209	He	781639.08	1.6	98.0	60	125	

Sample Report

File Name 196SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:23:48

Sample Name **460-300485-e-1-c ms**

Comment ---

Dilution **1.0000**

Vial # 4404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.712	ug/l	1.6	2000	
B	11	6	No Gas	512.668	ug/l	0.4	2000	
Na	23	45	He	17327.530	ug/l	1.0	500000	
Mg	24	45	He	27588.577	ug/l	0.3	500000	
Al	27	45	He	2426.084	ug/l	0.4	500000	
K	39	45	He	5290.911	ug/l	1.9	500000	
Ca	40	45	H2	43318.953	ug/l	0.9	1000000	
Ti	47	45	No Gas	48.318	ug/l	1.1	10000	
V	51	45	He	47.479	ug/l	1.1	5000	
Cr	52	45	He	48.965	ug/l	0.7	20000	
Mn	55	45	He	235.734	ug/l	0.5	20000	
Fe	56	45	H2	2635.790	ug/l	0.9	500000	
Co	59	45	He	24.352	ug/l	0.1	2000	
Ni	60	45	He	48.624	ug/l	0.9	20000	
Cu	63	45	He	50.368	ug/l	0.4	20000	
Zn	66	45	He	275.769	ug/l	0.3	20000	
As	75	45	He	46.544	ug/l	2.5	5000	
Se	78	45	H2	48.570	ug/l	4.3	3000	
Sr	88	115	He	124.726	ug/l	0.4	5000	
Mo	95	115	He	47.552	ug/l	1.0	2000	
Ag	107	115	He	24.429	ug/l	0.8	1000	
Cd	111	115	He	24.551	ug/l	3.0	5000	
Sn	118	115	He	49.731	ug/l	1.9	2000	
Sb	121	115	He	25.045	ug/l	1.4	1000	
Ba	137	159	He	71.276	ug/l	2.3	20000	
Tl	205	209	He	18.842	ug/l	1.1	1000	
[Pb]	206	209	He	24.144	ug/l	2.0		
[Pb]	207	209	He	24.035	ug/l	1.1		
Pb	208	209	He	24.179	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10914552.61	0.3	93.7	60	125	
Sc (ISICPMS)	45	No Gas	9607186.66	1.4	95.1	60	125	
Sc (ISICPMS)	45	H2	3248109.92	0.4	93.2	60	125	
Sc (ISICPMS)	45	He	115141.32	1.9	89.7	60	125	
Ge (IS)	74	H2	671024.38	0.4	99.9	60	125	
Ge (IS)	74	He	65748.86	1.4	100.6	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147775.25	1.7	92.3	60	125	
Tb (IS)	159	He	892631.79	0.8	95.6	60	125	
Bi (IS)	209	He	758386.98	1.8	95.1	60	125	

Sample Report

File Name 197SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:26:13

Sample Name **460-300485-e-1-b du**

Comment ---

Dilution **1.0000**

Vial # 4405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	32.3	2000	
B	11	6	No Gas	40.750	ug/l	1.8	2000	
Na	23	45	He	14997.817	ug/l	0.9	500000	
Mg	24	45	He	25575.450	ug/l	1.1	500000	
Al	27	45	He	9.651	ug/l	12.1	500000	
K	39	45	He	2908.203	ug/l	4.0	500000	
Ca	40	45	H2	40734.520	ug/l	2.3	1000000	
Ti	47	45	No Gas	2.041	ug/l	10.6	10000	
V	51	45	He	-0.065	ug/l	N/A	5000	
Cr	52	45	He	0.177	ug/l	54.6	20000	
Mn	55	45	He	0.667	ug/l	14.0	20000	
Fe	56	45	H2	43.083	ug/l	2.1	500000	
Co	59	45	He	0.013	ug/l	129.9	2000	
Ni	60	45	He	0.435	ug/l	15.7	20000	
Cu	63	45	He	2.576	ug/l	1.0	20000	
Zn	66	45	He	32.462	ug/l	1.6	20000	
As	75	45	He	0.232	ug/l	32.0	5000	
Se	78	45	H2	0.664	ug/l	34.7	3000	
Sr	88	115	He	80.754	ug/l	0.5	5000	
Mo	95	115	He	0.492	ug/l	5.7	2000	
Ag	107	115	He	0.032	ug/l	31.6	1000	
Cd	111	115	He	0.024	ug/l	35.7	5000	
Sn	118	115	He	1.411	ug/l	13.5	2000	
Sb	121	115	He	0.009	ug/l	62.9	1000	
Ba	137	159	He	27.090	ug/l	0.3	20000	
Tl	205	209	He	-0.175	ug/l	N/A	1000	
[Pb]	206	209	He	0.991	ug/l	1.3		
[Pb]	207	209	He	1.006	ug/l	4.9		
Pb	208	209	He	0.986	ug/l	3.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11092309.70	1.2	95.2	60	125	
Sc (ISICPMS)	45	No Gas	9575302.84	0.6	94.8	60	125	
Sc (ISICPMS)	45	H2	3256174.64	0.4	93.4	60	125	
Sc (ISICPMS)	45	He	114128.65	2.6	88.9	60	125	
Ge (IS)	74	H2	674414.65	0.4	100.4	60	125	
Ge (IS)	74	He	65509.02	2.6	100.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	146489.29	2.1	91.5	60	125	
Tb (IS)	159	He	879994.70	1.2	94.2	60	125	
Bi (IS)	209	He	758845.62	1.8	95.2	60	125	

Sample Report

File Name 198SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:28:36

Sample Name **460-300485-e-1-a**

Comment ---

Dilution **1.0000**

Vial # 4406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	25.4	2000	
B	11	6	No Gas	37.229	ug/l	1.3	2000	
Na	23	45	He	15480.583	ug/l	0.5	500000	
Mg	24	45	He	26227.500	ug/l	0.2	500000	
Al	27	45	He	8.480	ug/l	4.0	500000	
K	39	45	He	2953.724	ug/l	2.6	500000	
Ca	40	45	H2	42441.272	ug/l	2.4	1000000	
Ti	47	45	No Gas	1.822	ug/l	8.9	10000	
V	51	45	He	-0.062	ug/l	N/A	5000	
Cr	52	45	He	0.382	ug/l	62.2	20000	
Mn	55	45	He	0.298	ug/l	1.0	20000	
Fe	56	45	H2	6.770	ug/l	6.5	500000	
Co	59	45	He	0.016	ug/l	75.7	2000	
Ni	60	45	He	0.867	ug/l	13.1	20000	
Cu	63	45	He	3.520	ug/l	3.7	20000	
Zn	66	45	He	34.644	ug/l	2.7	20000	
As	75	45	He	0.144	ug/l	130.8	5000	
Se	78	45	H2	0.441	ug/l	10.6	3000	
Sr	88	115	He	83.698	ug/l	0.6	5000	
Mo	95	115	He	0.487	ug/l	25.0	2000	
Ag	107	115	He	0.028	ug/l	39.2	1000	
Cd	111	115	He	0.010	ug/l	86.6	5000	
Sn	118	115	He	1.858	ug/l	16.2	2000	
Sb	121	115	He	-0.030	ug/l	N/A	1000	
Ba	137	159	He	26.805	ug/l	1.5	20000	
Tl	205	209	He	-0.177	ug/l	N/A	1000	
[Pb]	206	209	He	0.398	ug/l	8.9		
[Pb]	207	209	He	0.422	ug/l	11.8		
Pb	208	209	He	0.423	ug/l	2.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11125301.50	1.6	95.5	60	125	
Sc (ISICPMS)	45	No Gas	9600670.41	0.6	95.0	60	125	
Sc (ISICPMS)	45	H2	3204005.06	1.7	91.9	60	125	
Sc (ISICPMS)	45	He	113959.72	1.1	88.8	60	125	
Ge (IS)	74	H2	657954.56	1.7	98.0	60	125	
Ge (IS)	74	He	64016.29	1.6	98.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	145043.62	1.3	90.6	60	125	
Tb (IS)	159	He	874944.05	0.8	93.7	60	125	
Bi (IS)	209	He	748869.26	1.0	93.9	60	125	

Sample Report

File Name 199SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:31:01

Sample Name **SD 460-300485-e-1-a@5**

Comment ---

Dilution **1.0000**

Vial # 4407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	46.0	2000	
B	11	6	No Gas	10.323	ug/l	0.8	2000	
Na	23	45	He	3100.413	ug/l	0.6	500000	
Mg	24	45	He	5318.247	ug/l	1.0	500000	
Al	27	45	He	20.914	ug/l	182.3	500000	
K	39	45	He	627.334	ug/l	11.3	500000	
Ca	40	45	H2	8564.922	ug/l	1.1	1000000	
Ti	47	45	No Gas	0.239	ug/l	35.0	10000	
V	51	45	He	-0.061	ug/l	N/A	5000	
Cr	52	45	He	0.041	ug/l	551.1	20000	
Mn	55	45	He	0.084	ug/l	143.8	20000	
Fe	56	45	H2	2.382	ug/l	23.1	500000	
Co	59	45	He	0.007	ug/l	54.8	2000	
Ni	60	45	He	0.121	ug/l	81.6	20000	
Cu	63	45	He	0.235	ug/l	44.4	20000	
Zn	66	45	He	8.210	ug/l	5.7	20000	
As	75	45	He	0.057	ug/l	42.9	5000	
Se	78	45	H2	0.128	ug/l	68.7	3000	
Sr	88	115	He	17.063	ug/l	4.7	5000	
Mo	95	115	He	0.081	ug/l	24.9	2000	
Ag	107	115	He	0.007	ug/l	64.4	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.864	ug/l	11.6	2000	
Sb	121	115	He	-0.024	ug/l	N/A	1000	
Ba	137	159	He	5.409	ug/l	5.1	20000	
Tl	205	209	He	-0.182	ug/l	N/A	1000	
[Pb]	206	209	He	0.091	ug/l	10.8		
[Pb]	207	209	He	0.135	ug/l	14.7		
Pb	208	209	He	0.101	ug/l	14.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11242324.00	2.0	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9591353.74	0.8	94.9	60	125	
Sc (ISICPMS)	45	H2	3193074.26	1.1	91.6	60	125	
Sc (ISICPMS)	45	He	113647.74	1.3	88.5	60	125	
Ge (IS)	74	H2	658358.63	1.5	98.0	60	125	
Ge (IS)	74	He	64616.98	2.0	98.9	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	146115.73	1.2	91.2	60	125	
Tb (IS)	159	He	876623.89	1.0	93.8	60	125	
Bi (IS)	209	He	764381.34	1.0	95.9	60	125	

Sample Report

File Name 200SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:33:25

Sample Name **460-300485-e-2-a**

Comment ---

Dilution **1.0000**

Vial # 4408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	13.5	2000	
B	11	6	No Gas	35.225	ug/l	1.0	2000	
Na	23	45	He	15114.676	ug/l	1.2	500000	
Mg	24	45	He	25821.716	ug/l	0.9	500000	
Al	27	45	He	7.762	ug/l	40.3	500000	
K	39	45	He	2168.685	ug/l	2.7	500000	
Ca	40	45	H2	41460.055	ug/l	1.3	1000000	
Ti	47	45	No Gas	0.927	ug/l	6.3	10000	
V	51	45	He	-0.025	ug/l	N/A	5000	
Cr	52	45	He	0.197	ug/l	103.3	20000	
Mn	55	45	He	0.209	ug/l	25.0	20000	
Fe	56	45	H2	6.334	ug/l	10.5	500000	
Co	59	45	He	0.027	ug/l	22.5	2000	
Ni	60	45	He	0.605	ug/l	25.8	20000	
Cu	63	45	He	1.950	ug/l	7.0	20000	
Zn	66	45	He	6.095	ug/l	1.5	20000	
As	75	45	He	0.069	ug/l	70.7	5000	
Se	78	45	H2	0.516	ug/l	12.8	3000	
Sr	88	115	He	81.577	ug/l	1.6	5000	
Mo	95	115	He	0.470	ug/l	19.5	2000	
Ag	107	115	He	0.010	ug/l	59.3	1000	
Cd	111	115	He	0.014	ug/l	100.1	5000	
Sn	118	115	He	1.138	ug/l	6.7	2000	
Sb	121	115	He	-0.017	ug/l	N/A	1000	
Ba	137	159	He	27.067	ug/l	1.5	20000	
Tl	205	209	He	-0.177	ug/l	N/A	1000	
[Pb]	206	209	He	0.194	ug/l	4.0		
[Pb]	207	209	He	0.162	ug/l	20.8		
Pb	208	209	He	0.178	ug/l	7.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10990971.09	1.4	94.3	60	125	
Sc (ISICPMS)	45	No Gas	9634091.59	1.2	95.4	60	125	
Sc (ISICPMS)	45	H2	3220665.02	1.5	92.4	60	125	
Sc (ISICPMS)	45	He	114493.55	2.1	89.2	60	125	
Ge (IS)	74	H2	662343.58	0.8	98.6	60	125	
Ge (IS)	74	He	65170.69	2.4	99.8	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147026.99	1.6	91.8	60	125	
Tb (IS)	159	He	879464.97	1.4	94.2	60	125	
Bi (IS)	209	He	756654.96	1.6	94.9	60	125	

Sample Report

File Name 201SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:35:49

Sample Name **460-299929-c-3-c**

Comment ---

Dilution **1.0000**

Vial # 4411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.786	ug/l	1.6	2000	
B	11	6	No Gas	39.054	ug/l	1.7	2000	
Na	23	45	He	585319.756	ug/l	1.3	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	7.676	ug/l	6.3	500000	
Al	27	45	He	67.027	ug/l	4.2	500000	
K	39	45	He	1816.398	ug/l	4.6	500000	
Ca	40	45	H2	60.893	ug/l	3.1	1000000	
Ti	47	45	No Gas	0.560	ug/l	18.8	10000	
V	51	45	He	0.369	ug/l	7.3	5000	
Cr	52	45	He	1.512	ug/l	10.0	20000	
Mn	55	45	He	0.669	ug/l	20.3	20000	
Fe	56	45	H2	46.417	ug/l	1.1	500000	
Co	59	45	He	0.942	ug/l	7.5	2000	
Ni	60	45	He	29.233	ug/l	3.8	20000	
Cu	63	45	He	141.086	ug/l	1.7	20000	
Zn	66	45	He	46.833	ug/l	1.8	20000	
As	75	45	He	0.258	ug/l	17.9	5000	
Se	78	45	H2	0.057	ug/l	76.7	3000	
Sr	88	115	He	1.282	ug/l	8.4	5000	
Mo	95	115	He	1.043	ug/l	19.0	2000	
Ag	107	115	He	1.162	ug/l	5.4	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	3977.120	ug/l	2.7	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	1.019	ug/l	10.7	1000	
Ba	137	159	He	0.660	ug/l	13.7	20000	
Tl	205	209	He	-0.184	ug/l	N/A	1000	
[Pb]	206	209	He	4.932	ug/l	2.3		
[Pb]	207	209	He	4.959	ug/l	2.2		
Pb	208	209	He	4.953	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10617151.16	0.7	91.1	60	125	
Sc (ISICPMS)	45	No Gas	9250498.27	0.7	91.6	60	125	
Sc (ISICPMS)	45	H2	3170658.15	2.0	90.9	60	125	
Sc (ISICPMS)	45	He	113831.59	1.1	88.7	60	125	
Ge (IS)	74	H2	637716.35	1.4	94.9	60	125	
Ge (IS)	74	He	63046.03	1.6	96.5	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137346.43	1.4	85.8	60	125	
Tb (IS)	159	He	867450.80	1.8	92.9	60	125	
Bi (IS)	209	He	717564.82	1.3	90.0	60	125	

Sample Report

File Name 202SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:38:12

Sample Name **460-300379-h-1-a**

Comment ---

Dilution **1.0000**

Vial # 4501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.029	ug/l	5.9	2000	
B	11	6	No Gas	31.235	ug/l	2.4	2000	
Na	23	45	He	5078.491	ug/l	1.0	500000	
Mg	24	45	He	1432.188	ug/l	0.7	500000	
Al	27	45	He	87.627	ug/l	3.9	500000	
K	39	45	He	8236.846	ug/l	1.0	500000	
Ca	40	45	H2	8066.030	ug/l	0.1	1000000	
Ti	47	45	No Gas	32.164	ug/l	1.7	10000	
V	51	45	He	4.468	ug/l	3.3	5000	
Cr	52	45	He	4.430	ug/l	8.7	20000	
Mn	55	45	He	20.816	ug/l	0.6	20000	
Fe	56	45	H2	111.129	ug/l	1.1	500000	
Co	59	45	He	0.222	ug/l	16.8	2000	
Ni	60	45	He	3.231	ug/l	5.4	20000	
Cu	63	45	He	0.533	ug/l	22.0	20000	
Zn	66	45	He	61.509	ug/l	3.9	20000	
As	75	45	He	0.828	ug/l	22.3	5000	
Se	78	45	H2	0.107	ug/l	39.8	3000	
Sr	88	115	He	632.581	ug/l	0.9	5000	
Mo	95	115	He	0.555	ug/l	6.6	2000	
Ag	107	115	He	0.018	ug/l	27.0	1000	
Cd	111	115	He	0.095	ug/l	70.0	5000	
Sn	118	115	He	62.384	ug/l	0.7	2000	
Sb	121	115	He	0.157	ug/l	34.7	1000	
Ba	137	159	He	4.533	ug/l	3.1	20000	
Tl	205	209	He	-0.168	ug/l	N/A	1000	
[Pb]	206	209	He	0.149	ug/l	13.4		
[Pb]	207	209	He	0.127	ug/l	14.4		
Pb	208	209	He	0.150	ug/l	4.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11191762.89	1.9	96.1	60	125	
Sc (ISICPMS)	45	No Gas	9474840.97	1.1	93.8	60	125	
Sc (ISICPMS)	45	H2	3182219.61	0.4	91.3	60	125	
Sc (ISICPMS)	45	He	115011.29	2.5	89.6	60	125	
Ge (IS)	74	H2	658197.74	0.9	98.0	60	125	
Ge (IS)	74	He	65120.48	2.5	99.7	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	148600.27	1.3	92.8	60	125	
Tb (IS)	159	He	878665.64	1.3	94.1	60	125	
Bi (IS)	209	He	774359.21	1.6	97.1	60	125	

Sample Report

File Name 203SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:40:37

Sample Name **460-300315-e-10-a**

Comment ---

Dilution **1.0000**

Vial # 4502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.137	ug/l	9.8	2000	
B	11	6	No Gas	25.698	ug/l	1.2	2000	
Na	23	45	He	23173.632	ug/l	1.4	500000	
Mg	24	45	He	1189.791	ug/l	2.0	500000	
Al	27	45	He	110.037	ug/l	5.8	500000	
K	39	45	He	800.163	ug/l	8.0	500000	
Ca	40	45	H2	2723.458	ug/l	1.6	1000000	
Ti	47	45	No Gas	1.365	ug/l	96.3	10000	
V	51	45	He	-0.040	ug/l	N/A	5000	
Cr	52	45	He	-0.028	ug/l	N/A	20000	
Mn	55	45	He	121.892	ug/l	1.4	20000	
Fe	56	45	H2	643.138	ug/l	1.3	500000	
Co	59	45	He	13.218	ug/l	0.9	2000	
Ni	60	45	He	2.189	ug/l	4.3	20000	
Cu	63	45	He	3.672	ug/l	2.7	20000	
Zn	66	45	He	22.139	ug/l	8.3	20000	
As	75	45	He	0.260	ug/l	53.3	5000	
Se	78	45	H2	0.133	ug/l	32.0	3000	
Sr	88	115	He	18.430	ug/l	4.1	5000	
Mo	95	115	He	0.014	ug/l	169.7	2000	
Ag	107	115	He	0.005	ug/l	78.5	1000	
Cd	111	115	He	0.181	ug/l	43.0	5000	
Sn	118	115	He	1.919	ug/l	15.4	2000	
Sb	121	115	He	0.106	ug/l	67.1	1000	
Ba	137	159	He	63.631	ug/l	0.8	20000	
Tl	205	209	He	-0.171	ug/l	N/A	1000	
[Pb]	206	209	He	0.396	ug/l	1.0		
[Pb]	207	209	He	0.464	ug/l	2.4		
Pb	208	209	He	0.404	ug/l	4.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11131287.61	0.8	95.5	60	125	
Sc (ISICPMS)	45	No Gas	9503660.14	0.9	94.1	60	125	
Sc (ISICPMS)	45	H2	3212035.96	1.0	92.1	60	125	
Sc (ISICPMS)	45	He	113625.67	1.6	88.5	60	125	
Ge (IS)	74	H2	660567.37	0.6	98.3	60	125	
Ge (IS)	74	He	64889.13	1.3	99.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	146252.83	1.4	91.3	60	125	
Tb (IS)	159	He	876650.10	1.0	93.9	60	125	
Bi (IS)	209	He	757641.17	0.7	95.0	60	125	

Sample Report

File Name 204SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:43:01

Sample Name **460-300315-d-14-e**

Comment ---

Dilution **1.0000**

Vial # 4503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	14.229	ug/l	1.6	2000	
Na	23	45	He	-10.914	ug/l	N/A	500000	
Mg	24	45	He	2.064	ug/l	27.5	500000	
Al	27	45	He	6.870	ug/l	15.2	500000	
K	39	45	He	16.806	ug/l	417.8	500000	
Ca	40	45	H2	14.605	ug/l	3.3	1000000	
Ti	47	45	No Gas	-0.202	ug/l	N/A	10000	
V	51	45	He	-0.083	ug/l	N/A	5000	
Cr	52	45	He	-0.012	ug/l	N/A	20000	
Mn	55	45	He	0.567	ug/l	24.7	20000	
Fe	56	45	H2	1.619	ug/l	8.9	500000	
Co	59	45	He	-0.001	ug/l	N/A	2000	
Ni	60	45	He	0.099	ug/l	110.3	20000	
Cu	63	45	He	0.076	ug/l	73.7	20000	
Zn	66	45	He	3.328	ug/l	12.4	20000	
As	75	45	He	0.019	ug/l	229.1	5000	
Se	78	45	H2	-0.009	ug/l	N/A	3000	
Sr	88	115	He	0.131	ug/l	21.9	5000	
Mo	95	115	He	0.012	ug/l	36.5	2000	
Ag	107	115	He	0.006	ug/l	36.3	1000	
Cd	111	115	He	0.010	ug/l	86.6	5000	
Sn	118	115	He	1.850	ug/l	4.4	2000	
Sb	121	115	He	-0.017	ug/l	N/A	1000	
Ba	137	159	He	0.184	ug/l	34.4	20000	
Tl	205	209	He	-0.185	ug/l	N/A	1000	
[Pb]	206	209	He	0.068	ug/l	13.2		
[Pb]	207	209	He	0.083	ug/l	25.6		
Pb	208	209	He	0.062	ug/l	8.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	11247363.30	1.3	96.5	60	125	
Sc (ISICPMS)	45	No Gas	9474730.76	1.2	93.8	60	125	
Sc (ISICPMS)	45	H2	3226951.86	0.6	92.5	60	125	
Sc (ISICPMS)	45	He	113518.76	0.9	88.4	60	125	
Ge (IS)	74	H2	629610.27	1.2	93.7	60	125	
Ge (IS)	74	He	61984.54	1.4	94.9	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147627.59	1.9	92.2	60	125	
Tb (IS)	159	He	878977.70	1.1	94.1	60	125	
Bi (IS)	209	He	766790.38	1.2	96.2	60	125	

Sample Report

File Name 205SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:45:26

Sample Name **460-300267-a-1-c@5**

Comment ---

Dilution **1.0000**

Vial # 4504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.029	ug/l	33.7	2000	
B	11	6	No Gas	103.199	ug/l	1.1	2000	
Na	23	45	He	82456.618	ug/l	0.6	500000	
Mg	24	45	He	1206.197	ug/l	0.8	500000	
Al	27	45	He	920.475	ug/l	0.8	500000	
K	39	45	He	17777.294	ug/l	0.7	500000	
Ca	40	45	H2	18890.302	ug/l	2.8	1000000	
Ti	47	45	No Gas	26.957	ug/l	1.9	10000	
V	51	45	He	1.916	ug/l	10.2	5000	
Cr	52	45	He	8.889	ug/l	3.9	20000	
Mn	55	45	He	73.524	ug/l	3.2	20000	
Fe	56	45	H2	1142.390	ug/l	2.9	500000	
Co	59	45	He	5.086	ug/l	0.5	2000	
Ni	60	45	He	96.966	ug/l	1.9	20000	
Cu	63	45	He	611.279	ug/l	1.1	20000	
Zn	66	45	He	4648.630	ug/l	0.4	20000	
As	75	45	He	19524.927	ug/l	0.6	5000	>LDR 6020B□>LDR 200.8
Se	78	45	H2	0.366	ug/l	20.7	3000	
Sr	88	115	He	8.180	ug/l	0.1	5000	
Mo	95	115	He	301.737	ug/l	2.2	2000	
Ag	107	115	He	0.496	ug/l	0.9	1000	
Cd	111	115	He	1.886	ug/l	5.0	5000	
Sn	118	115	He	2.318	ug/l	1.2	2000	
Sb	121	115	He	776.310	ug/l	0.3	1000	
Ba	137	159	He	40.124	ug/l	1.6	20000	
Tl	205	209	He	-0.186	ug/l	N/A	1000	
[Pb]	206	209	He	48.702	ug/l	0.9		
[Pb]	207	209	He	47.750	ug/l	0.1		
Pb	208	209	He	48.279	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10862909.01	1.3	93.2	60	125	
Sc (ISICPMS)	45	No Gas	9490147.43	1.0	93.9	60	125	
Sc (ISICPMS)	45	H2	3176160.20	0.6	91.1	60	125	
Sc (ISICPMS)	45	He	113356.34	1.5	88.3	60	125	
Ge (IS)	74	H2	664073.16	0.7	98.9	60	125	
Ge (IS)	74	He	65541.30	2.0	100.3	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	811096.57	1.1	506.5	60	125	fail
Tb (IS)	159	He	875890.09	1.2	93.8	60	125	
Bi (IS)	209	He	755148.62	1.4	94.7	60	125	

Continuing Calibration Verification (CCV)

File Name 206_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:47:48

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.856	ug/l	2.0	100	90	110	
B	11	6	No Gas	247.952	ug/l	1.3	250	225	275	
Na	23	45	He	25502.050	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25361.459	ug/l	1.0	25000	22500	27500	
Al	27	45	He	24778.523	ug/l	0.4	25000	22500	27500	
K	39	45	He	24684.582	ug/l	0.1	25000	22500	27500	
Ca	40	45	H2	24731.323	ug/l	2.1	25000	22500	27500	
Ti	47	45	No Gas	98.580	ug/l	1.3	100	90	110	
V	51	45	He	99.353	ug/l	1.8	100	90	110	
Cr	52	45	He	100.633	ug/l	0.9	100	90	110	
Mn	55	45	He	100.860	ug/l	0.9	100	90	110	
Fe	56	45	H2	25010.490	ug/l	1.7	25000	22500	27500	
Co	59	45	He	102.298	ug/l	0.5	100	90	110	
Ni	60	45	He	102.177	ug/l	1.1	100	90	110	
Cu	63	45	He	100.972	ug/l	0.2	100	90	110	
Zn	66	45	He	259.906	ug/l	0.4	250	225	275	
As	75	45	He	103.474	ug/l	0.7	100	90	110	
Se	78	45	H2	101.111	ug/l	1.7	100	90	110	
Sr	88	115	He	96.248	ug/l	0.6	100	90	110	
Mo	95	115	He	100.791	ug/l	1.3	100	90	110	
Ag	107	115	He	51.030	ug/l	0.4	50	45	55	
Cd	111	115	He	99.936	ug/l	1.7	100	90	110	
Sn	118	115	He	102.258	ug/l	2.2	100	90	110	
Sb	121	115	He	102.046	ug/l	0.7	100	90	110	
Ba	137	159	He	97.032	ug/l	3.0	100	90	110	
Tl	205	209	He	100.144	ug/l	1.1	100	90	110	
[Pb]	206	209	He	98.318	ug/l	1.7				
[Pb]	207	209	He	98.957	ug/l	0.6				
Pb	208	209	He	98.735	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10955934.28	0.8	94.0	60	125	
Sc (ISICPMS)	45	No Gas	9497247.71	1.3	94.0	60	125	
Sc (ISICPMS)	45	H2	3209696.76	0.4	92.1	60	125	
Sc (ISICPMS)	45	He	114373.61	1.6	89.1	60	125	
Ge (IS)	74	H2	648424.94	0.7	96.5	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	63201.07	1.6	96.7	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	145810.87	1.9	91.1	60	125	
Tb (IS)	159	He	882601.71	1.1	94.5	60	125	
Bi (IS)	209	He	750430.30	1.4	94.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 207_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:50:12

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.013	ug/l	22.9	0.8	-0.8	0.8	
B	11	6	No Gas	4.634	ug/l	3.0	40	-40	40	
Na	23	45	He	-19.901	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.994	ug/l	23.5	200	-200	200	
Al	27	45	He	2.577	ug/l	118.0	40	-40	40	
K	39	45	He	2.802	ug/l	2592.3	200	-200	200	
Ca	40	45	H2	5.940	ug/l	21.2	500	-500	500	
Ti	47	45	No Gas	-0.079	ug/l	N/A	4	-4	4	
V	51	45	He	-0.184	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.500	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.060	ug/l	150.5	8	-8	8	
Fe	56	45	H2	2.453	ug/l	19.8	60	-60	60	
Co	59	45	He	0.006	ug/l	151.5	4	-4	4	
Ni	60	45	He	-0.090	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.645	ug/l	N/A	4	-4	4	
Zn	66	45	He	1.639	ug/l	33.5	16	-16	16	
As	75	45	He	1.466	ug/l	8.6	2	-2	2	
Se	78	45	H2	0.117	ug/l	71.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.007	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.301	ug/l	36.0	4	-4	4	
Ag	107	115	He	0.004	ug/l	110.9	2	-2	2	
Cd	111	115	He	0.019	ug/l	45.8	2	-2	2	
Sn	118	115	He	0.391	ug/l	45.2	16	-16	16	
Sb	121	115	He	0.186	ug/l	15.3	2	-2	2	
Ba	137	159	He	-0.001	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.135	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.036	ug/l	56.7				
[Pb]	207	209	He	0.050	ug/l	58.5				
Pb	208	209	He	0.033	ug/l	37.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	11156950.95	0.9	95.8	60	125	
Sc (ISICPMS)	45	No Gas	9482796.32	1.5	93.9	60	125	
Sc (ISICPMS)	45	H2	3240168.53	1.4	92.9	60	125	
Sc (ISICPMS)	45	He	115725.23	1.6	90.1	60	125	
Ge (IS)	74	H2	632728.47	2.2	94.2	60	125	
Ge (IS)	74	He	62069.63	0.9	95.0	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	149032.02	2.2	93.1	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	887647.63	1.0	95.0	60	125	
Bi (IS)	209	He	773428.07	1.6	97.0	60	125	

Sample Report

File Name 208SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:52:36

Sample Name **460-299929-c-1-c@20**

Comment ---

Dilution **1.0000**

Vial # 4409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	111.978	ug/l	1.4	2000	
B	11	6	No Gas	9.533	ug/l	3.2	2000	
Na	23	45	He	11263.275	ug/l	0.2	500000	
Mg	24	45	He	96.438	ug/l	3.2	500000	
Al	27	45	He	185.627	ug/l	2.3	500000	
K	39	45	He	188.032	ug/l	56.9	500000	
Ca	40	45	H2	360.197	ug/l	0.4	1000000	
Ti	47	45	No Gas	91.231	ug/l	2.7	10000	
V	51	45	He	21.352	ug/l	1.0	5000	
Cr	52	45	He	319.666	ug/l	0.7	20000	
Mn	55	45	He	3691.276	ug/l	1.2	20000	
Fe	56	45	H2	294415.488	ug/l	0.3	500000	
Co	59	45	He	62.926	ug/l	0.9	2000	
Ni	60	45	He	201795.984	ug/l	1.4	20000	>LDR 6020B□>LDR 200.8
Cu	63	45	He	1055103.647	ug/l	1.3	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	339008.062	ug/l	1.0	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	6.539	ug/l	2.3	5000	
Se	78	45	H2	3.510	ug/l	9.7	3000	
Sr	88	115	He	2.882	ug/l	8.1	5000	
Mo	95	115	He	49.273	ug/l	1.6	2000	
Ag	107	115	He	22.173	ug/l	1.1	1000	
Cd	111	115	He	0.580	ug/l	12.0	5000	
Sn	118	115	He	6328.169	ug/l	0.5	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	5.345	ug/l	6.3	1000	
Ba	137	159	He	2.129	ug/l	6.3	20000	
Tl	205	209	He	1.005	ug/l	3.1	1000	
[Pb]	206	209	He	53.607	ug/l	0.4		
[Pb]	207	209	He	55.918	ug/l	0.5		
Pb	208	209	He	54.798	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10653282.76	1.3	91.4	60	125	
Sc (ISICPMS)	45	No Gas	9064920.49	0.4	89.7	60	125	
Sc (ISICPMS)	45	H2	3146503.63	0.3	90.2	60	125	
Sc (ISICPMS)	45	He	110336.14	1.4	85.9	60	125	
Ge (IS)	74	H2	652747.88	0.5	97.2	60	125	
Ge (IS)	74	He	64446.09	2.1	98.7	60	125	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136185.21	1.7	85.0	60	125	
Tb (IS)	159	He	859920.61	1.8	92.1	60	125	
Bi (IS)	209	He	735803.28	1.1	92.3	60	125	

Sample Report

File Name 209SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:55:01

Sample Name **460-299929-d-2-c@10**

Comment ---

Dilution **1.0000**

Vial # 4410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.027	ug/l	10.7	2000	
B	11	6	No Gas	4.177	ug/l	3.1	2000	
Na	23	45	He	-19.370	ug/l	N/A	500000	
Mg	24	45	He	2.031	ug/l	7.8	500000	
Al	27	45	He	0.213	ug/l	223.0	500000	
K	39	45	He	41.403	ug/l	257.6	500000	
Ca	40	45	H2	14.538	ug/l	9.2	1000000	
Ti	47	45	No Gas	0.217	ug/l	38.9	10000	
V	51	45	He	-0.105	ug/l	N/A	5000	
Cr	52	45	He	4.556	ug/l	4.8	20000	
Mn	55	45	He	1.308	ug/l	1.0	20000	
Fe	56	45	H2	131.143	ug/l	1.4	500000	
Co	59	45	He	131.240	ug/l	1.8	2000	
Ni	60	45	He	681.058	ug/l	1.4	20000	
Cu	63	45	He	165.898	ug/l	0.7	20000	
Zn	66	45	He	61.541	ug/l	1.8	20000	
As	75	45	He	1.161	ug/l	33.2	5000	
Se	78	45	H2	0.460	ug/l	15.3	3000	
Sr	88	115	He	-0.119	ug/l	N/A	5000	
Mo	95	115	He	-0.138	ug/l	N/A	2000	
Ag	107	115	He	-0.018	ug/l	N/A	1000	
Cd	111	115	He	-0.009	ug/l	N/A	5000	
Sn	118	115	He	-111925.452	ug/l	N/A	2000	
Sb	121	115	He	-0.912	ug/l	N/A	1000	
Ba	137	159	He	288.159	ug/l	0.5	20000	
Tl	205	209	He	-0.124	ug/l	N/A	1000	
[Pb]	206	209	He	0.417	ug/l	4.2		
[Pb]	207	209	He	0.421	ug/l	16.3		
Pb	208	209	He	0.436	ug/l	6.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9379315.97	1.4	80.5	60	125	
Sc (ISICPMS)	45	No Gas	8377764.81	0.2	82.9	60	125	
Sc (ISICPMS)	45	H2	2957155.89	0.7	84.8	60	125	
Sc (ISICPMS)	45	He	102564.87	2.2	79.9	60	125	
Ge (IS)	74	H2	577407.48	0.8	86.0	60	125	
Ge (IS)	74	He	56121.15	2.5	85.9	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	-3388854.38	-2.3	-2116.2	60	125	fail
Tb (IS)	159	He	843633.54	1.6	90.3	60	125	
Bi (IS)	209	He	747917.65	1.6	93.8	60	125	

Sample Report

File Name 210SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:57:26

Sample Name **460-299929-b-4-c@20**

Comment ---

Dilution **1.0000**

Vial # 4412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.276	ug/l	3.0	2000	
B	11	6	No Gas	21.990	ug/l	1.1	2000	
Na	23	45	He	490.263	ug/l	0.9	500000	
Mg	24	45	He	368.199	ug/l	1.1	500000	
Al	27	45	He	788.416	ug/l	1.3	500000	
K	39	45	He	197.589	ug/l	50.6	500000	
Ca	40	45	H2	1460.389	ug/l	0.7	1000000	
Ti	47	45	No Gas	291.715	ug/l	2.4	10000	
V	51	45	He	43.712	ug/l	0.7	5000	
Cr	52	45	He	1019.449	ug/l	1.3	20000	
Mn	55	45	He	7322.690	ug/l	1.2	20000	
Fe	56	45	H2	OR	ug/l	OR	500000	
Co	59	45	He	39.845	ug/l	0.8	2000	
Ni	60	45	He	340.548	ug/l	0.2	20000	
Cu	63	45	He	840.926	ug/l	0.6	20000	
Zn	66	45	He	205.318	ug/l	1.3	20000	
As	75	45	He	17.549	ug/l	4.2	5000	
Se	78	45	H2	0.063	ug/l	34.4	3000	
Sr	88	115	He	6.205	ug/l	0.6	5000	
Mo	95	115	He	126.170	ug/l	1.2	2000	
Ag	107	115	He	0.202	ug/l	3.7	1000	
Cd	111	115	He	0.054	ug/l	83.2	5000	
Sn	118	115	He	429.910	ug/l	8.3	2000	
Sb	121	115	He	4.080	ug/l	6.5	1000	
Ba	137	159	He	1.473	ug/l	11.7	20000	
Tl	205	209	He	-0.177	ug/l	N/A	1000	
[Pb]	206	209	He	3.980	ug/l	2.1		
[Pb]	207	209	He	3.734	ug/l	1.7		
Pb	208	209	He	3.835	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10504333.73	0.7	90.2	60	125	
Sc (ISICPMS)	45	No Gas	9370613.61	1.0	92.7	60	125	
Sc (ISICPMS)	45	H2	3194524.64	0.3	91.6	60	125	
Sc (ISICPMS)	45	He	110368.49	2.2	86.0	60	125	
Ge (IS)	74	H2	714287.70	0.3	106.3	60	125	
Ge (IS)	74	He	68931.08	2.4	105.5	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	143981.71	2.7	89.9	60	125	
Tb (IS)	159	He	882079.33	2.1	94.4	60	125	
Bi (IS)	209	He	748081.72	1.4	93.8	60	125	

Sample Report

File Name 211SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 22:59:51

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	34.5	2000	
B	11	6	No Gas	1.741	ug/l	7.3	2000	
Na	23	45	He	-32.574	ug/l	N/A	500000	
Mg	24	45	He	0.037	ug/l	746.3	500000	
Al	27	45	He	-1.235	ug/l	N/A	500000	
K	39	45	He	-14.927	ug/l	N/A	500000	
Ca	40	45	H2	-0.188	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.173	ug/l	N/A	10000	
V	51	45	He	-0.298	ug/l	N/A	5000	
Cr	52	45	He	-0.221	ug/l	N/A	20000	
Mn	55	45	He	0.827	ug/l	4.0	20000	
Fe	56	45	H2	51.086	ug/l	5.8	500000	
Co	59	45	He	-0.005	ug/l	N/A	2000	
Ni	60	45	He	1.214	ug/l	10.1	20000	
Cu	63	45	He	6.281	ug/l	5.9	20000	
Zn	66	45	He	6.186	ug/l	5.6	20000	
As	75	45	He	0.270	ug/l	77.9	5000	
Se	78	45	H2	0.041	ug/l	185.4	3000	
Sr	88	115	He	-0.005	ug/l	N/A	5000	
Mo	95	115	He	0.164	ug/l	15.8	2000	
Ag	107	115	He	-0.009	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	158.036	ug/l	2.1	2000	
Sb	121	115	He	0.053	ug/l	26.7	1000	
Ba	137	159	He	0.027	ug/l	79.3	20000	
Tl	205	209	He	-0.183	ug/l	N/A	1000	
[Pb]	206	209	He	0.036	ug/l	52.3		
[Pb]	207	209	He	0.058	ug/l	43.0		
Pb	208	209	He	0.036	ug/l	30.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10717290.95	1.0	92.0	60	125	
Sc (ISICPMS)	45	No Gas	9537776.38	0.6	94.4	60	125	
Sc (ISICPMS)	45	H2	3189915.51	1.2	91.5	60	125	
Sc (ISICPMS)	45	He	110168.75	1.7	85.8	60	125	
Ge (IS)	74	H2	626626.51	0.2	93.3	60	125	
Ge (IS)	74	He	60742.46	2.5	93.0	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147511.09	1.7	92.1	60	125	
Tb (IS)	159	He	886967.54	1.1	95.0	60	125	
Bi (IS)	209	He	772827.17	1.5	96.9	60	125	

Sample Report

File Name 212SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:02:14

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	27.0	2000	
B	11	6	No Gas	1.412	ug/l	5.5	2000	
Na	23	45	He	-35.506	ug/l	N/A	500000	
Mg	24	45	He	0.259	ug/l	168.5	500000	
Al	27	45	He	-0.654	ug/l	N/A	500000	
K	39	45	He	-27.861	ug/l	N/A	500000	
Ca	40	45	H2	0.067	ug/l	1597.4	1000000	
Ti	47	45	No Gas	-0.188	ug/l	N/A	10000	
V	51	45	He	-0.312	ug/l	N/A	5000	
Cr	52	45	He	-0.130	ug/l	N/A	20000	
Mn	55	45	He	0.558	ug/l	10.9	20000	
Fe	56	45	H2	10.045	ug/l	5.3	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	0.666	ug/l	3.8	20000	
Cu	63	45	He	2.880	ug/l	1.7	20000	
Zn	66	45	He	4.557	ug/l	15.8	20000	
As	75	45	He	0.138	ug/l	46.0	5000	
Se	78	45	H2	0.036	ug/l	386.9	3000	
Sr	88	115	He	-0.001	ug/l	N/A	5000	
Mo	95	115	He	0.103	ug/l	21.5	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	91.763	ug/l	2.2	2000	
Sb	121	115	He	0.047	ug/l	65.1	1000	
Ba	137	159	He	0.027	ug/l	75.5	20000	
Tl	205	209	He	-0.183	ug/l	N/A	1000	
[Pb]	206	209	He	0.040	ug/l	47.7		
[Pb]	207	209	He	0.033	ug/l	93.2		
Pb	208	209	He	0.024	ug/l	14.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10645600.61	0.6	91.4	60	125	
Sc (ISICPMS)	45	No Gas	9484821.18	1.0	93.9	60	125	
Sc (ISICPMS)	45	H2	3182674.26	1.2	91.3	60	125	
Sc (ISICPMS)	45	He	111867.80	1.6	87.1	60	125	
Ge (IS)	74	H2	626220.78	1.0	93.2	60	125	
Ge (IS)	74	He	60776.87	1.0	93.0	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	146682.50	0.8	91.6	60	125	
Tb (IS)	159	He	884757.81	0.5	94.7	60	125	
Bi (IS)	209	He	771401.73	1.8	96.7	60	125	

Continuing Calibration Verification (CCV)

File Name 213_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:04:38

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.308	ug/l	1.0	100	90	110	
B	11	6	No Gas	246.419	ug/l	1.1	250	225	275	
Na	23	45	He	25096.547	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	24943.722	ug/l	0.8	25000	22500	27500	
Al	27	45	He	24479.866	ug/l	0.5	25000	22500	27500	
K	39	45	He	24533.347	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24141.301	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	98.760	ug/l	2.9	100	90	110	
V	51	45	He	101.717	ug/l	1.6	100	90	110	
Cr	52	45	He	101.496	ug/l	1.2	100	90	110	
Mn	55	45	He	100.740	ug/l	0.7	100	90	110	
Fe	56	45	H2	24790.239	ug/l	1.2	25000	22500	27500	
Co	59	45	He	103.948	ug/l	0.5	100	90	110	
Ni	60	45	He	104.636	ug/l	1.2	100	90	110	
Cu	63	45	He	106.567	ug/l	0.8	100	90	110	
Zn	66	45	He	264.059	ug/l	1.1	250	225	275	
As	75	45	He	104.710	ug/l	2.2	100	90	110	
Se	78	45	H2	100.270	ug/l	0.5	100	90	110	
Sr	88	115	He	95.587	ug/l	0.4	100	90	110	
Mo	95	115	He	99.939	ug/l	0.7	100	90	110	
Ag	107	115	He	51.379	ug/l	0.2	50	45	55	
Cd	111	115	He	99.476	ug/l	0.9	100	90	110	
Sn	118	115	He	168.516	ug/l	1.1	100	90	110	failed
Sb	121	115	He	100.484	ug/l	1.0	100	90	110	
Ba	137	159	He	97.929	ug/l	0.8	100	90	110	
Tl	205	209	He	99.371	ug/l	0.6	100	90	110	
[Pb]	206	209	He	98.388	ug/l	1.3				
[Pb]	207	209	He	98.421	ug/l	0.6				
Pb	208	209	He	98.692	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10593798.31	1.8	90.9	60	125	
Sc (ISICPMS)	45	No Gas	9530888.05	1.3	94.3	60	125	
Sc (ISICPMS)	45	H2	3258386.24	0.2	93.4	60	125	
Sc (ISICPMS)	45	He	113628.59	1.5	88.5	60	125	
Ge (IS)	74	H2	661908.03	1.1	98.5	60	125	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	64274.23	1.6	98.4	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	149151.78	2.4	93.1	60	125	
Tb (IS)	159	He	894101.32	1.5	95.7	60	125	
Bi (IS)	209	He	760226.75	1.3	95.3	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 214_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:07:01

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	16.2	0.8	-0.8	0.8	
B	11	6	No Gas	3.903	ug/l	2.3	40	-40	40	
Na	23	45	He	-50.416	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.503	ug/l	3.7	200	-200	200	
Al	27	45	He	1.168	ug/l	180.0	40	-40	40	
K	39	45	He	-0.443	ug/l	N/A	200	-200	200	
Ca	40	45	H2	4.889	ug/l	20.1	500	-500	500	
Ti	47	45	No Gas	-0.209	ug/l	N/A	4	-4	4	
V	51	45	He	-0.277	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.562	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.240	ug/l	32.4	8	-8	8	
Fe	56	45	H2	7.408	ug/l	33.1	60	-60	60	
Co	59	45	He	0.007	ug/l	184.8	4	-4	4	
Ni	60	45	He	0.709	ug/l	26.6	4	-4	4	
Cu	63	45	He	2.515	ug/l	8.7	4	-4	4	
Zn	66	45	He	3.574	ug/l	1.9	16	-16	16	
As	75	45	He	0.250	ug/l	50.1	2	-2	2	
Se	78	45	H2	0.213	ug/l	10.4	2.5	-2.5	2.5	
Sr	88	115	He	0.012	ug/l	256.4	4	-4	4	
Mo	95	115	He	0.064	ug/l	76.1	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.019	ug/l	41.4	2	-2	2	
Sn	118	115	He	57.201	ug/l	0.5	16	-16	16	> water RL
Sb	121	115	He	0.089	ug/l	33.0	2	-2	2	
Ba	137	159	He	0.013	ug/l	608.0	4	-4	4	
Tl	205	209	He	-0.130	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.024	ug/l	60.5				
[Pb]	207	209	He	0.025	ug/l	130.4				
Pb	208	209	He	0.013	ug/l	61.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10574758.24	1.2	90.8	60	125	
Sc (ISICPMS)	45	No Gas	9602241.10	0.8	95.0	60	125	
Sc (ISICPMS)	45	H2	3204641.76	1.2	91.9	60	125	
Sc (ISICPMS)	45	He	113087.77	2.6	88.1	60	125	
Ge (IS)	74	H2	634325.92	1.4	94.4	60	125	
Ge (IS)	74	He	61819.53	2.3	94.6	60	125	
Kr	83	He	6.67	173.2				
In-1	115	He	149823.14	2.2	93.6	60	125	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	888855.02	1.0	95.2	60	125	
Bi (IS)	209	He	778296.59	0.6	97.6	60	125	

Sample Report

File Name 215SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:09:25

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	28.1	2000	
B	11	6	No Gas	2.213	ug/l	7.1	2000	
Na	23	45	He	-38.995	ug/l	N/A	500000	
Mg	24	45	He	0.145	ug/l	207.4	500000	
Al	27	45	He	-1.323	ug/l	N/A	500000	
K	39	45	He	-74.673	ug/l	N/A	500000	
Ca	40	45	H2	-0.346	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.248	ug/l	N/A	10000	
V	51	45	He	-0.318	ug/l	N/A	5000	
Cr	52	45	He	-0.318	ug/l	N/A	20000	
Mn	55	45	He	0.258	ug/l	53.6	20000	
Fe	56	45	H2	4.341	ug/l	17.0	500000	
Co	59	45	He	-0.012	ug/l	N/A	2000	
Ni	60	45	He	0.803	ug/l	5.4	20000	
Cu	63	45	He	2.319	ug/l	2.5	20000	
Zn	66	45	He	3.750	ug/l	15.0	20000	
As	75	45	He	0.143	ug/l	79.1	5000	
Se	78	45	H2	0.177	ug/l	58.6	3000	
Sr	88	115	He	0.011	ug/l	409.8	5000	
Mo	95	115	He	0.087	ug/l	64.1	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	48.855	ug/l	1.4	2000	
Sb	121	115	He	0.017	ug/l	59.4	1000	
Ba	137	159	He	0.067	ug/l	60.2	20000	
Tl	205	209	He	-0.175	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	49.3		
[Pb]	207	209	He	0.015	ug/l	15.8		
Pb	208	209	He	0.008	ug/l	168.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10702739.22	1.3	91.9	60	125	
Sc (ISICPMS)	45	No Gas	9545346.18	0.7	94.5	60	125	
Sc (ISICPMS)	45	H2	3194997.10	0.8	91.6	60	125	
Sc (ISICPMS)	45	He	114579.41	1.6	89.2	60	125	
Ge (IS)	74	H2	629940.85	0.3	93.8	60	125	
Ge (IS)	74	He	62393.92	1.1	95.5	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	150648.89	1.3	94.1	60	125	
Tb (IS)	159	He	895127.03	1.1	95.8	60	125	
Bi (IS)	209	He	778895.20	1.0	97.7	60	125	

Sample Report

File Name 216SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:11:48

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	682.4	2000	
B	11	6	No Gas	1.881	ug/l	7.8	2000	
Na	23	45	He	-37.931	ug/l	N/A	500000	
Mg	24	45	He	0.319	ug/l	210.8	500000	
Al	27	45	He	-1.759	ug/l	N/A	500000	
K	39	45	He	-10.132	ug/l	N/A	500000	
Ca	40	45	H2	0.737	ug/l	56.6	1000000	
Ti	47	45	No Gas	-0.346	ug/l	N/A	10000	
V	51	45	He	-0.275	ug/l	N/A	5000	
Cr	52	45	He	-0.272	ug/l	N/A	20000	
Mn	55	45	He	0.150	ug/l	51.3	20000	
Fe	56	45	H2	3.875	ug/l	9.7	500000	
Co	59	45	He	-0.010	ug/l	N/A	2000	
Ni	60	45	He	0.531	ug/l	24.1	20000	
Cu	63	45	He	1.973	ug/l	6.9	20000	
Zn	66	45	He	3.140	ug/l	16.3	20000	
As	75	45	He	0.198	ug/l	49.8	5000	
Se	78	45	H2	0.085	ug/l	66.5	3000	
Sr	88	115	He	-0.019	ug/l	N/A	5000	
Mo	95	115	He	0.058	ug/l	38.1	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	42.237	ug/l	1.2	2000	
Sb	121	115	He	0.004	ug/l	314.8	1000	
Ba	137	159	He	0.026	ug/l	128.5	20000	
Tl	205	209	He	-0.182	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	88.7		
[Pb]	207	209	He	-0.003	ug/l	N/A		
Pb	208	209	He	-0.007	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10545072.76	0.1	90.5	60	125	
Sc (ISICPMS)	45	No Gas	9650190.62	1.3	95.5	60	125	
Sc (ISICPMS)	45	H2	3192482.31	0.7	91.6	60	125	
Sc (ISICPMS)	45	He	112732.16	1.5	87.8	60	125	
Ge (IS)	74	H2	630676.28	0.2	93.9	60	125	
Ge (IS)	74	He	62233.61	3.9	95.3	60	125	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	149798.23	2.8	93.5	60	125	
Tb (IS)	159	He	889641.83	2.0	95.2	60	125	
Bi (IS)	209	He	773970.92	1.6	97.1	60	125	

Sample Report

File Name 217SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:14:13

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	269.3	2000	
B	11	6	No Gas	1.559	ug/l	7.0	2000	
Na	23	45	He	-38.589	ug/l	N/A	500000	
Mg	24	45	He	0.457	ug/l	71.5	500000	
Al	27	45	He	-0.557	ug/l	N/A	500000	
K	39	45	He	-100.756	ug/l	N/A	500000	
Ca	40	45	H2	-0.670	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.158	ug/l	N/A	10000	
V	51	45	He	-0.258	ug/l	N/A	5000	
Cr	52	45	He	-0.281	ug/l	N/A	20000	
Mn	55	45	He	0.193	ug/l	28.8	20000	
Fe	56	45	H2	3.561	ug/l	17.9	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	0.585	ug/l	24.1	20000	
Cu	63	45	He	1.540	ug/l	4.8	20000	
Zn	66	45	He	2.818	ug/l	18.1	20000	
As	75	45	He	0.166	ug/l	57.0	5000	
Se	78	45	H2	0.076	ug/l	32.0	3000	
Sr	88	115	He	-0.018	ug/l	N/A	5000	
Mo	95	115	He	0.012	ug/l	372.1	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.009	ug/l	173.2	5000	
Sn	118	115	He	37.386	ug/l	0.6	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	-0.004	ug/l	N/A	20000	
Tl	205	209	He	-0.181	ug/l	N/A	1000	
[Pb]	206	209	He	-0.015	ug/l	N/A		
[Pb]	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10643810.60	0.5	91.4	60	125	
Sc (ISICPMS)	45	No Gas	9523464.86	1.4	94.3	60	125	
Sc (ISICPMS)	45	H2	3222350.40	0.5	92.4	60	125	
Sc (ISICPMS)	45	He	115397.34	0.3	89.9	60	125	
Ge (IS)	74	H2	633854.10	0.8	94.4	60	125	
Ge (IS)	74	He	63700.16	0.6	97.5	60	125	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	154898.95	0.0	96.7	60	125	
Tb (IS)	159	He	907029.82	0.3	97.1	60	125	
Bi (IS)	209	He	794289.83	0.4	99.6	60	125	

Sample Report

File Name 218SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:16:36

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	146.0	2000	
B	11	6	No Gas	1.382	ug/l	8.5	2000	
Na	23	45	He	-34.254	ug/l	N/A	500000	
Mg	24	45	He	-0.051	ug/l	N/A	500000	
Al	27	45	He	-0.795	ug/l	N/A	500000	
K	39	45	He	-4.261	ug/l	N/A	500000	
Ca	40	45	H2	-0.322	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.022	ug/l	N/A	10000	
V	51	45	He	-0.297	ug/l	N/A	5000	
Cr	52	45	He	-0.232	ug/l	N/A	20000	
Mn	55	45	He	0.156	ug/l	53.3	20000	
Fe	56	45	H2	3.187	ug/l	9.6	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	0.623	ug/l	13.8	20000	
Cu	63	45	He	1.358	ug/l	10.7	20000	
Zn	66	45	He	3.197	ug/l	24.3	20000	
As	75	45	He	0.123	ug/l	52.8	5000	
Se	78	45	H2	0.111	ug/l	88.1	3000	
Sr	88	115	He	-0.010	ug/l	N/A	5000	
Mo	95	115	He	0.006	ug/l	251.9	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	34.385	ug/l	1.9	2000	
Sb	121	115	He	0.000	ug/l	23144.7	1000	
Ba	137	159	He	-0.029	ug/l	N/A	20000	
Tl	205	209	He	-0.183	ug/l	N/A	1000	
[Pb]	206	209	He	-0.016	ug/l	N/A		
[Pb]	207	209	He	0.003	ug/l	369.5		
Pb	208	209	He	-0.012	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10615363.87	0.5	91.1	60	125	
Sc (ISICPMS)	45	No Gas	9568170.21	0.4	94.7	60	125	
Sc (ISICPMS)	45	H2	3239333.56	1.1	92.9	60	125	
Sc (ISICPMS)	45	He	112377.72	1.9	87.5	60	125	
Ge (IS)	74	H2	643294.15	0.7	95.8	60	125	
Ge (IS)	74	He	61293.65	1.9	93.8	60	125	
Kr	83	He	16.68	69.3				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147998.05	2.3	92.4	60	125	
Tb (IS)	159	He	887353.98	2.2	95.0	60	125	
Bi (IS)	209	He	770573.43	0.9	96.6	60	125	

Sample Report

File Name 219SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM 032224 A.b

Acq Time 2024-03-22 23:19:00

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	127.9	2000	
B	11	6	No Gas	1.234	ug/l	9.3	2000	
Na	23	45	He	-34.546	ug/l	N/A	500000	
Mg	24	45	He	0.291	ug/l	22.9	500000	
Al	27	45	He	-0.766	ug/l	N/A	500000	
K	39	45	He	-5.934	ug/l	N/A	500000	
Ca	40	45	H2	0.008	ug/l	21012.6	1000000	
Ti	47	45	No Gas	-0.101	ug/l	N/A	10000	
V	51	45	He	-0.261	ug/l	N/A	5000	
Cr	52	45	He	-0.281	ug/l	N/A	20000	
Mn	55	45	He	0.136	ug/l	36.8	20000	
Fe	56	45	H2	3.564	ug/l	24.7	500000	
Co	59	45	He	-0.014	ug/l	N/A	2000	
Ni	60	45	He	0.450	ug/l	7.3	20000	
Cu	63	45	He	0.984	ug/l	2.0	20000	
Zn	66	45	He	2.540	ug/l	15.0	20000	
As	75	45	He	0.122	ug/l	58.6	5000	
Se	78	45	H2	0.134	ug/l	33.2	3000	
Sr	88	115	He	0.002	ug/l	459.6	5000	
Mo	95	115	He	0.074	ug/l	60.4	2000	
Ag	107	115	He	-0.011	ug/l	N/A	1000	
Cd	111	115	He	0.010	ug/l	86.6	5000	
Sn	118	115	He	30.323	ug/l	0.6	2000	
Sb	121	115	He	-0.016	ug/l	N/A	1000	
Ba	137	159	He	0.028	ug/l	261.5	20000	
Tl	205	209	He	-0.187	ug/l	N/A	1000	
[Pb]	206	209	He	-0.006	ug/l	N/A		
[Pb]	207	209	He	0.002	ug/l	1174.4		
Pb	208	209	He	-0.007	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10528895.12	1.1	90.4	60	125	
Sc (ISICPMS)	45	No Gas	9507140.76	0.7	94.1	60	125	
Sc (ISICPMS)	45	H2	3205530.51	0.1	91.9	60	125	
Sc (ISICPMS)	45	He	112385.21	2.9	87.5	60	125	
Ge (IS)	74	H2	635759.42	0.5	94.6	60	125	
Ge (IS)	74	He	62050.51	2.4	95.0	60	125	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147286.64	1.9	92.0	60	125	
Tb (IS)	159	He	882549.47	1.3	94.5	60	125	
Bi (IS)	209	He	767716.79	2.0	96.3	60	125	

US EPA Tune Check Report

Operator Name	ediicpms5
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\NM 032224 A.b
Acq. Date-Time	2024-03-22 14:14:56
Report Comment	EPA TUNE REPORT
Instrument Name	G8421A SG19475068

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	13850	138497.97	0.00		0.773	5.000
24	10.00	36958	369581.02	0.00		0.509	5.000
25	10.00	4865	48649.09	0.00		0.942	5.000
26	10.00	5573	55732.25	0.00		0.788	5.000
59	10.00	47558	475584.79	0.00		0.872	5.000
115	10.00	52584	525844.38	0.00		0.850	5.000
206	10.00	15586	155861.26	0.00		0.894	5.000
207	10.00	13636	136357.70	0.00		0.820	5.000
208	10.00	33392	333919.65	0.00		0.802	5.000

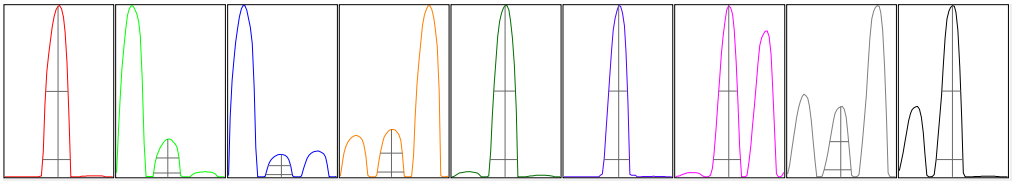
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	13822	13897	14011	13744	13776
24	37044	37042	36924	36649	37132
25	4918	4895	4824	4811	4877
26	5643	5564	5529	5584	5546
59	47758	47296	48102	47608	47028
115	52602	52512	52990	51877	52942
206	15737	15435	15462	15581	15715
207	13776	13473	13595	13678	13657
208	33501	33450	33019	33730	33259

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	24230.78	9.00	8.90 - 9.10	
24	64133.11	23.95	23.90 - 24.10	
25	8399.58	25.00	24.90 - 25.10	
26	9621.16	25.95	25.90 - 26.10	
59	84251.25	59.00	58.90 - 59.10	
115	104556.38	115.05	114.90 - 115.10	
206	31030.13	206.00	205.90 - 206.10	
207	26371.85	207.00	206.90 - 207.10	
208	64409.74	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.61	0.754	0.900	
24	0.62	0.729	0.900	
25	0.61	0.728	0.900	
26	0.61	0.728	0.900	
59	0.59	0.754	0.900	
115	0.51	0.696	0.900	
206	0.51	0.742	0.900	
207	0.52	0.736	0.900	
208	0.52	0.737	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.4 V	Deflect	13.4 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	132	Axis Gain	1.0006	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.03		

Hardware Settings

Torch

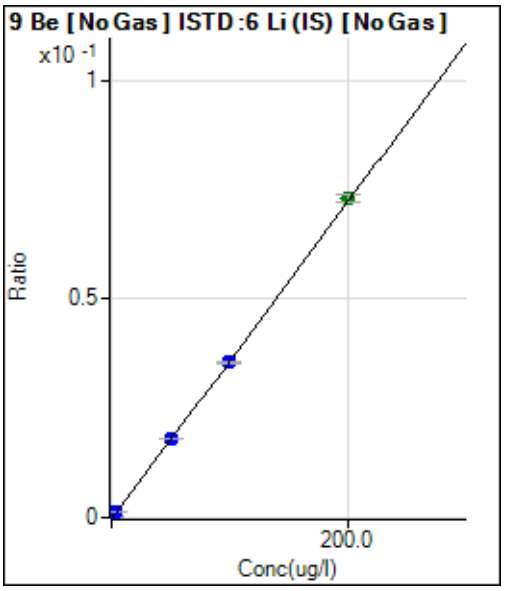
Torch H	-0.2 mm	Torch V	0.6 mm		

EM

Discriminator	3.4 mV	Analog HV	2627 V	Pulse HV	1509 V

Batch Folder: D:\Agilent\ICPMH\1\DATA\NM 032224 A.b\
Analysis File: NM 032224 A.batch.bin
DA Date-Time: 2024-03-22 14:44:25
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

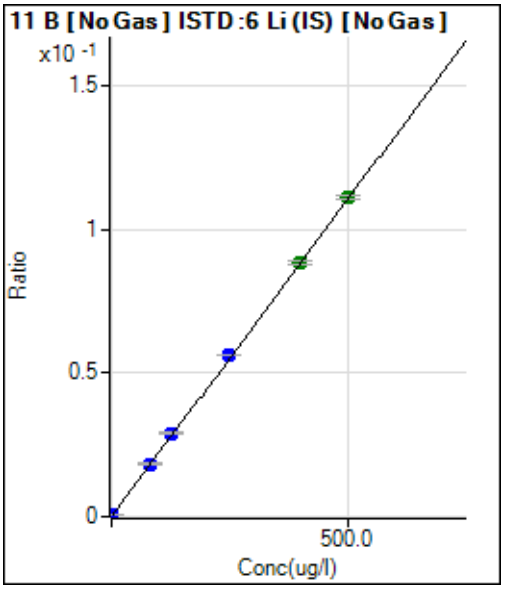
Level	Standard Data File	Sample Name	Acq. Date-Time
1	005CALB.d	IC CAL-Blk	2024-03-22 14:30:03
2	006CALS.d	IC CAL1	2024-03-22 14:32:52
3	007CALS.d	IC CAL2	2024-03-22 14:35:29
4	008CALS.d	IC CAL3	2024-03-22 14:38:04
5	009CALS.d	IC CAL4	2024-03-22 14:40:39
6	010CALS.d	IC CAL5	2024-03-22 14:43:13



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0000	P	32.3	
2	☐	0.800	0.764	3212.61	0.0003	P	2.0	-4.5
3	☐	4.000	3.906	16421.91	0.0014	P	1.4	-2.4
4	☐	50.000	49.659	210478.18	0.0180	P	1.5	-0.7
5	☐	100.000	97.665	416296.92	0.0355	P	1.5	-2.3
6	☐	200.000	201.255	838242.34	0.0731	A	2.0	0.6

y = 3.6304E-004 * x + 1.3338E-006
R = 0.9999
DL = 0.003559 ug/l
BEC = 0.003674 ug/l

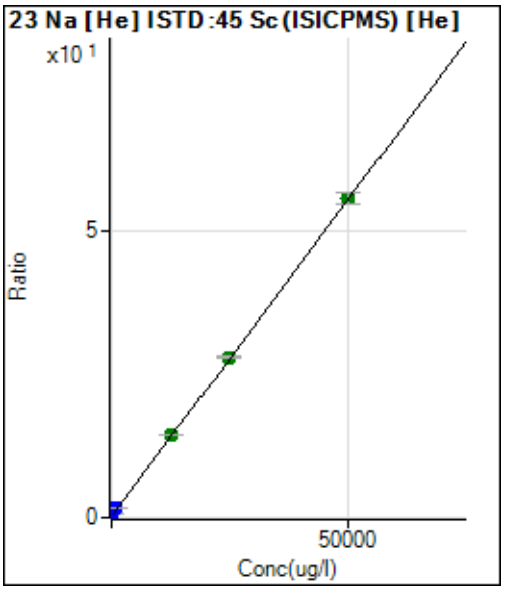
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7911.17	0.0007	P	1.8	
2	☐	80.000	79.996	211405.29	0.0183	P	1.1	0.0
3	☐	400.000	397.630	1024084.60	0.0885	A	1.4	-0.6
4	☐	125.000	128.834	340127.79	0.0291	P	0.7	3.1
5	☐	250.000	250.702	658100.24	0.0561	P	0.1	0.3
6	☐	500.000	500.587	1276287.83	0.1112	A	1.5	0.1

y = 2.2087E-004 * x + 6.7902E-004
R = 1.0000
DL = 0.1629 ug/l
BEC = 3.074 ug/l

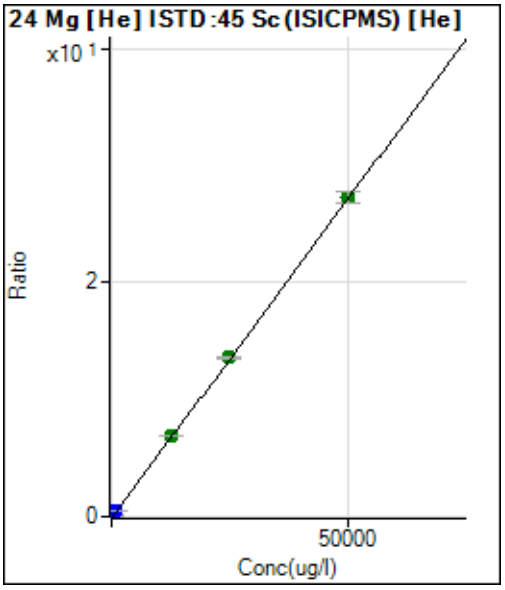
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	65662.67	0.5115	P	0.9	
2	☐	200.000	206.635	94885.57	0.7393	P	0.4	3.3
3	☐	1000.000	1025.618	211271.01	1.6424	P	0.4	2.6
4	☐	12500.00	12597.33	1884195.56	14.402	A	1.0	0.8
5	☐	25000.00	24920.53	3689596.23	27.990	A	0.8	-0.3
6	☐	50000.00	50014.86	7340888.71	55.661	A	3.3	0.0

y = 0.0011 * x + 0.5115
R = 1.0000
DL = 13 ug/l
BEC = 463.9 ug/l

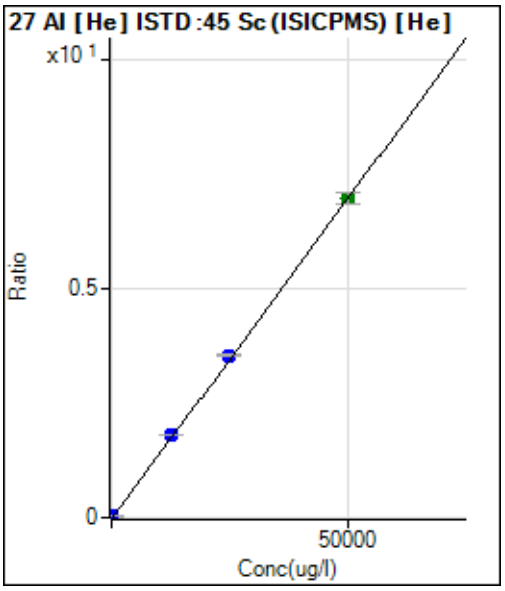
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	250.00	0.0019	P	6.6	
2	☐	200.000	210.984	15011.48	0.1170	P	0.6	5.5
3	☐	1000.000	1041.815	73309.70	0.5699	P	0.9	4.2
4	☐	12500.00	12626.39	900764.59	6.8853	A	1.3	1.0
5	☐	25000.00	24878.56	1787987.87	13.564	A	0.9	-0.5
6	☐	50000.00	50028.23	3597099.88	27.275	A	3.4	0.1

y = 5.4515E-004 * x + 0.0019
R = 1.0000
DL = 0.7077 ug/l
BEC = 3.571 ug/l

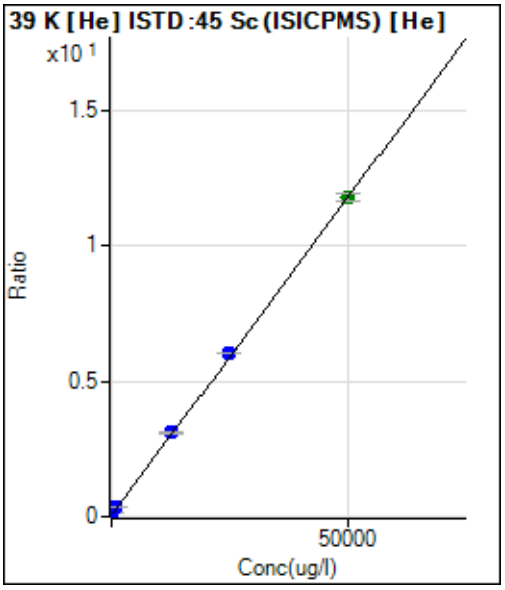
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	164.45	0.0013	P	5.4	
2	☐	40.000	42.716	931.15	0.0073	P	10.8	6.8
3	☐	200.000	213.768	4009.50	0.0312	P	0.8	6.9
4	☐	12500.00	12779.55	233935.76	1.7881	P	0.2	2.2
5	☐	25000.00	25284.12	466165.92	3.5364	P	0.6	1.1
6	☐	50000.00	49787.99	918221.67	6.9625	A	3.5	-0.4

y = 1.3982E-004 * x + 0.0013
R = 1.0000
DL = 1.494 ug/l
BEC = 9.164 ug/l

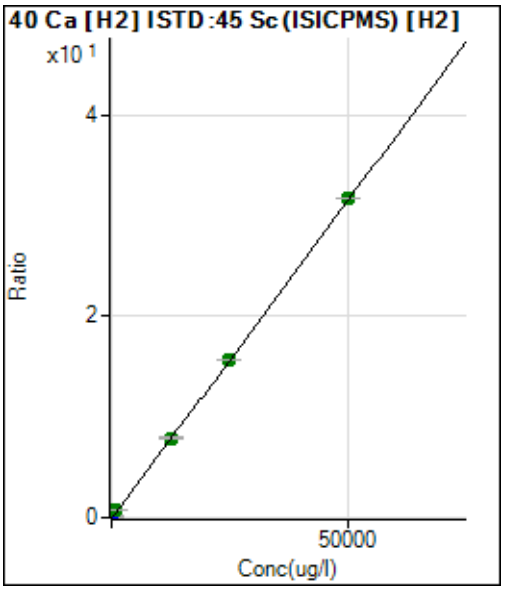
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14561.08	0.1134	P	1.2	
2	☐	200.000	205.635	20749.91	0.1617	P	0.5	2.8
3	☐	1000.000	1044.072	46110.37	0.3585	P	0.8	4.4
4	☐	12500.00	12746.02	406219.22	3.1050	P	1.1	2.0
5	☐	25000.00	25323.07	798418.39	6.0569	P	0.2	1.3
6	☐	50000.00	49776.05	1555900.86	11.796	A	2.6	-0.4

y = 2.3471E-004 * x + 0.1134
R = 1.0000
DL = 17.09 ug/l
BEC = 483.2 ug/l

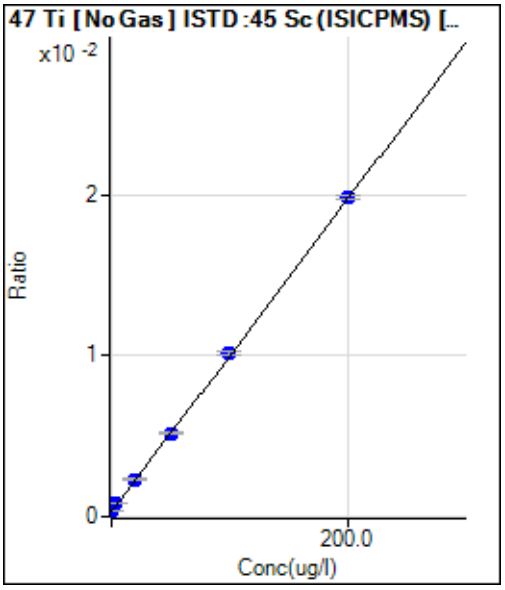
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	135159.50	0.0388	P	0.4	
2	☐	200.000	207.518	592456.08	0.1699	P	1.3	3.8
3	☐	1000.000	1013.785	2380655.14	0.6792	A	0.2	1.4
4	☐	12500.00	12404.37	27728798.20	7.8749	A	1.5	-0.8
5	☐	25000.00	24754.67	56067729.17	15.676	A	1.1	-1.0
6	☐	50000.00	50146.26	112573230.5	31.717	A	0.5	0.3

y = 6.3172E-004 * x + 0.0388
R = 1.0000
DL = 0.7822 ug/l
BEC = 61.36 ug/l

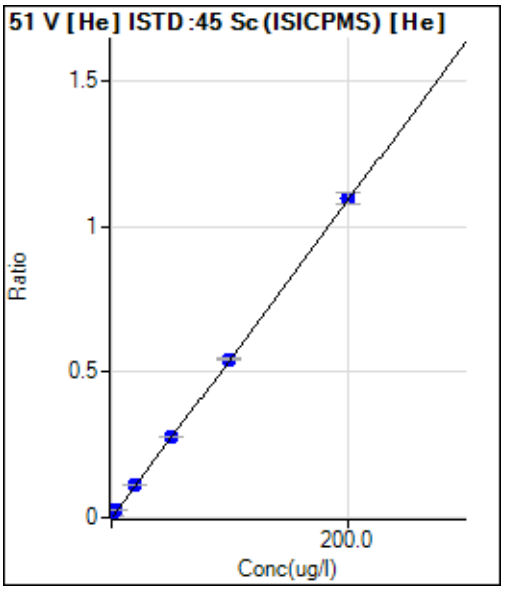
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4068.41	0.0004	P	3.5	
2	☐	4.000	4.111	8139.15	0.0008	P	0.8	2.8
3	☐	20.000	19.791	23501.36	0.0023	P	3.2	-1.0
4	☐	50.000	49.272	53792.23	0.0052	P	0.6	-1.5
5	☐	100.000	100.323	104137.78	0.0102	P	1.6	0.3
6	☐	200.000	200.039	203360.32	0.0198	P	0.8	0.0

y = 9.7191E-005 * x + 4.0268E-004
R = 1.0000
DL = 0.4346 ug/l
BEC = 4.143 ug/l

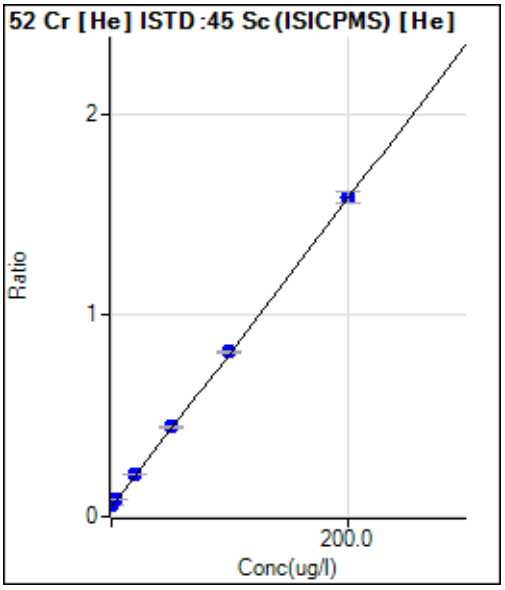
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	517.79	0.0040	P	7.5	
2	☐	4.000	4.039	3341.54	0.0260	P	1.5	1.0
3	☐	20.000	20.146	14634.60	0.1138	P	0.7	0.7
4	☐	50.000	49.919	36100.81	0.2759	P	1.1	-0.2
5	☐	100.000	99.114	71696.31	0.5439	P	0.6	-0.9
6	☐	200.000	200.448	144528.87	1.0959	P	3.2	0.2

y = 0.0054 * x + 0.0040
R = 1.0000
DL = 0.1672 ug/l
BEC = 0.7407 ug/l

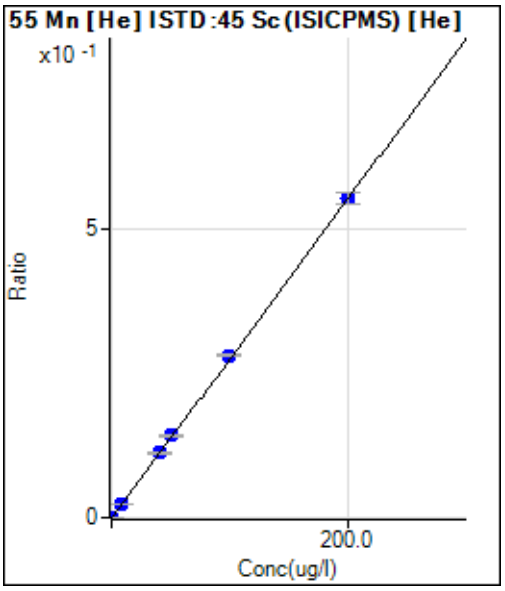
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7229.72	0.0563	P	1.2	
2	☐	4.000	3.948	11103.44	0.0865	P	1.0	-1.3
3	☐	20.000	20.021	26949.88	0.2095	P	0.2	0.1
4	☐	50.000	50.774	58192.08	0.4448	P	0.5	1.5
5	☐	100.000	99.772	108052.85	0.8197	P	0.8	-0.2
6	☐	200.000	199.919	209168.09	1.5860	P	3.1	0.0

y = 0.0077 * x + 0.0563
R = 1.0000
DL = 0.2655 ug/l
BEC = 7.36 ug/l

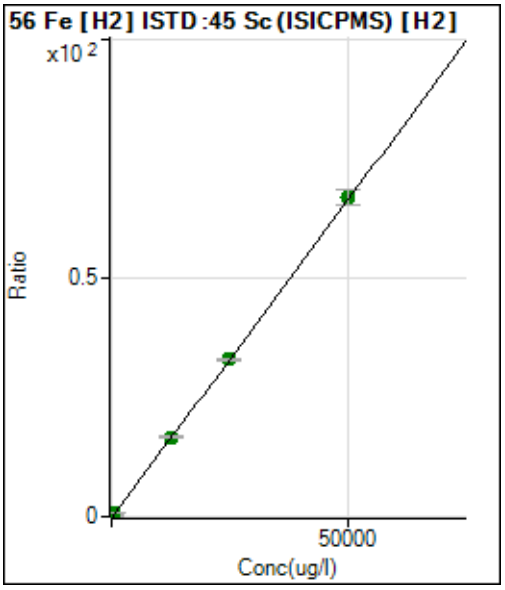
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	195.56	0.0015	P	14.5	
2	☐	8.000	7.985	3033.69	0.0236	P	2.2	-0.2
3	☐	40.000	39.840	14386.52	0.1118	P	1.6	-0.4
4	☐	50.000	51.186	18741.76	0.1433	P	2.3	2.4
5	☐	100.000	100.647	36942.07	0.2802	P	1.2	0.6
6	☐	200.000	199.413	73025.27	0.5537	P	3.1	-0.3

y = 0.0028 * x + 0.0015
R = 1.0000
DL = 0.2397 ug/l
BEC = 0.5506 ug/l

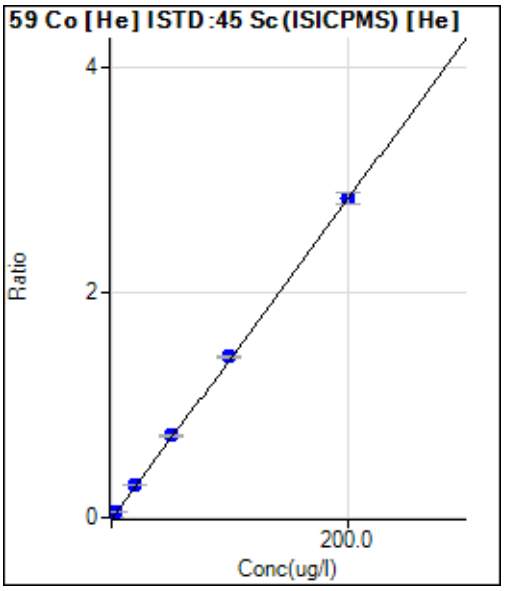
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	137906.35	0.0395	P	1.4	
2	☐	120.000	122.817	709630.16	0.2034	P	1.1	2.3
3	☐	600.000	607.368	2979654.29	0.8501	A	0.7	1.2
4	☐	12500.00	12389.56	58354557.46	16.573	A	2.6	-0.9
5	☐	25000.00	24659.97	117835208.2	32.948	A	1.3	-1.4
6	☐	50000.00	50197.52	237682985.3	67.027	A	5.2	0.4

y = 0.0013 * x + 0.0395
R = 1.0000
DL = 1.225 ug/l
BEC = 29.64 ug/l

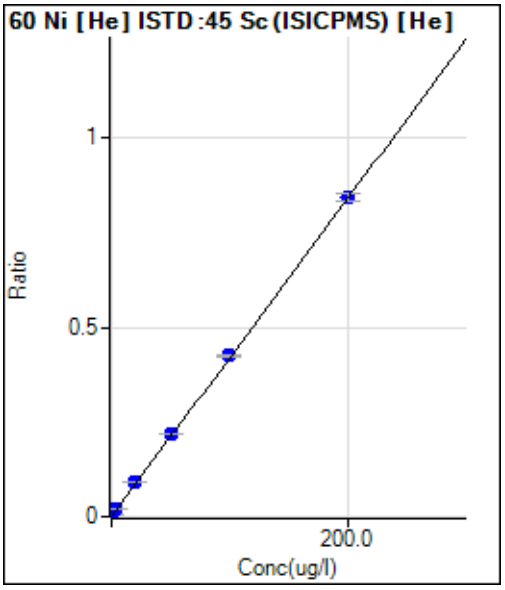
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0006	P	50.6	
2	☐	4.000	4.053	7462.09	0.0581	P	1.2	1.3
3	☐	20.000	20.251	37079.38	0.2883	P	2.2	1.3
4	☐	50.000	51.089	95027.44	0.7264	P	0.6	2.2
5	☐	100.000	100.461	188208.54	1.4278	P	0.9	0.5
6	☐	200.000	199.471	373805.90	2.8343	P	3.2	-0.3

y = 0.0142 * x + 5.7073E-004
R = 1.0000
DL = 0.06096 ug/l
BEC = 0.04017 ug/l

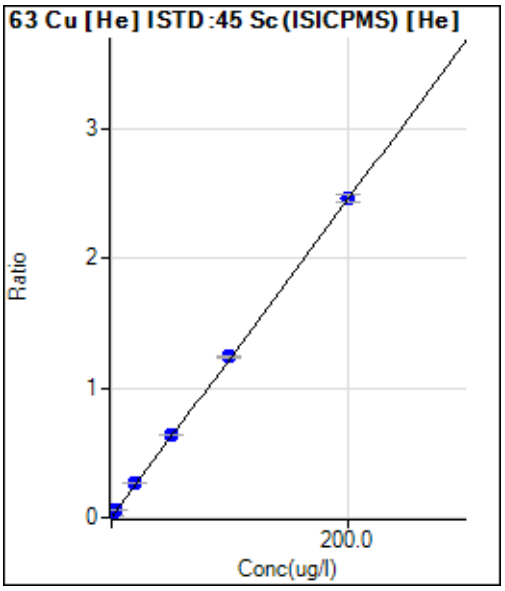
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	668.91	0.0052	P	2.0	
2	☐	4.000	3.938	2790.30	0.0217	P	1.7	-1.5
3	☐	20.000	20.377	11671.74	0.0907	P	0.5	1.9
4	☐	50.000	50.951	28659.21	0.2191	P	0.8	1.9
5	☐	100.000	100.176	56107.38	0.4257	P	0.9	0.2
6	☐	200.000	199.638	111205.55	0.8431	P	2.2	-0.2

y = 0.0042 * x + 0.0052
R = 1.0000
DL = 0.07491 ug/l
BEC = 1.241 ug/l

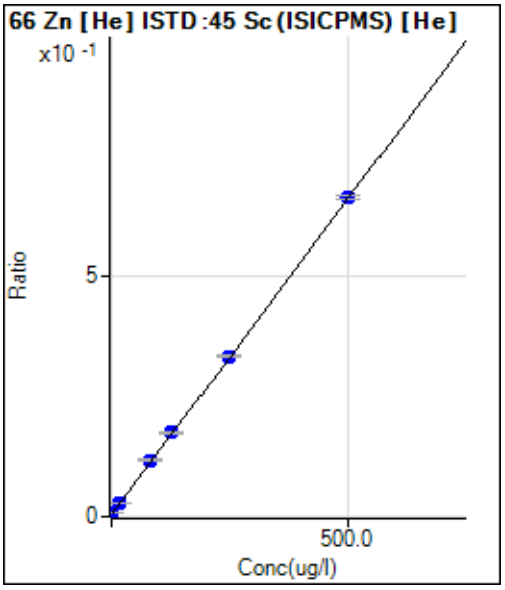
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2141.30	0.0167	P	4.1	
2	☐	4.000	4.013	8444.88	0.0658	P	2.7	0.3
3	☐	20.000	20.321	34141.84	0.2654	P	1.0	1.6
4	☐	50.000	50.800	83528.66	0.6385	P	1.0	1.6
5	☐	100.000	99.990	163516.46	1.2405	P	0.9	0.0
6	☐	200.000	199.773	324683.86	2.4618	P	3.0	-0.1

y = 0.0122 * x + 0.0167
R = 1.0000
DL = 0.1688 ug/l
BEC = 1.363 ug/l

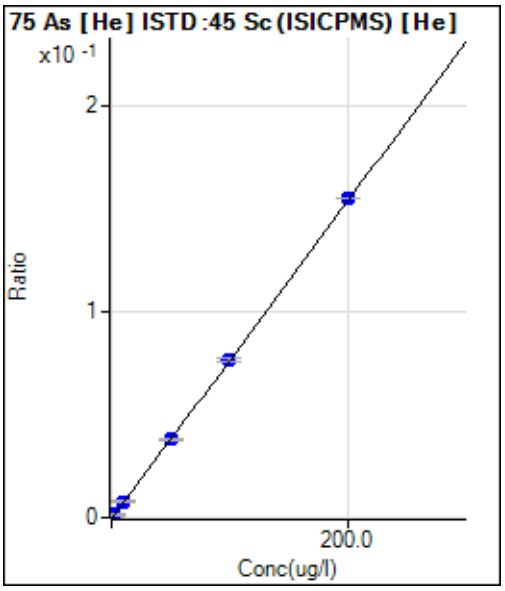
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	995.60	0.0078	P	8.5	
2	☐	16.000	16.882	3833.90	0.0299	P	0.3	5.5
3	☐	80.000	83.688	15099.54	0.1174	P	1.1	4.6
4	☐	125.000	126.856	22754.50	0.1739	P	1.6	1.5
5	☐	250.000	247.746	43800.13	0.3323	P	0.9	-0.9
6	☐	500.000	500.045	87425.03	0.6628	P	1.6	0.0

y = 0.0013 * x + 0.0078
R = 1.0000
DL = 1.509 ug/l
BEC = 5.923 ug/l

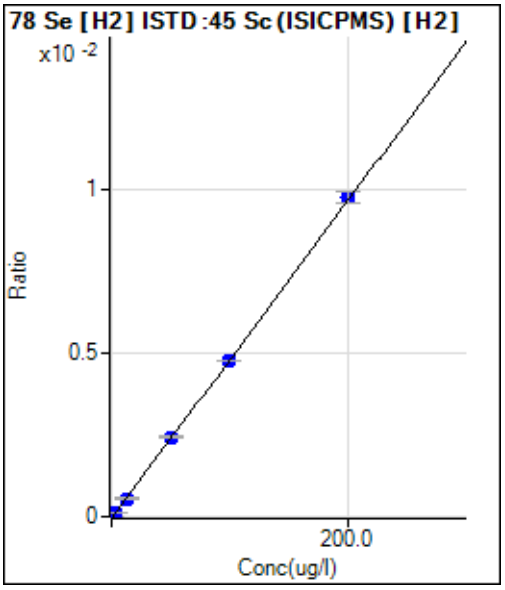
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0001	P	12.5	
2	☐	2.000	1.721	185.56	0.0014	P	12.8	-13.9
3	☐	10.000	9.940	1004.49	0.0078	P	6.6	-0.6
4	☐	50.000	49.274	5005.40	0.0383	P	2.6	-1.5
5	☐	100.000	99.046	10121.59	0.0768	P	2.6	-1.0
6	☐	200.000	200.664	20511.07	0.1555	P	0.5	0.3

y = 7.7423E-004 * x + 1.1243E-004
R = 1.0000
DL = 0.05465 ug/l
BEC = 0.1452 ug/l

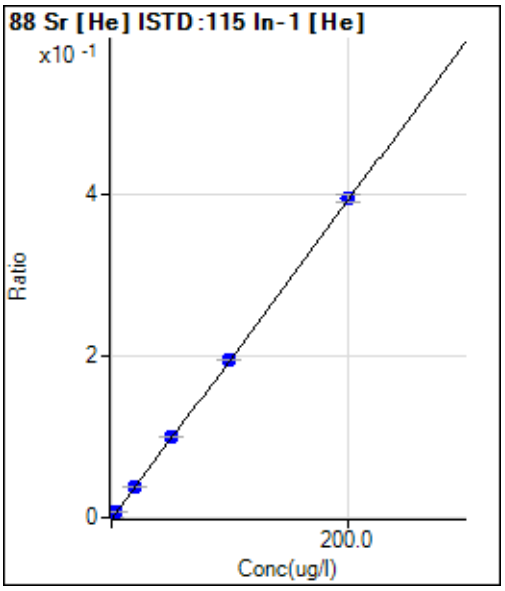
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.11	0.0000	P	18.1	
2	☐	2.500	2.292	400.01	0.0001	P	9.8	-8.3
3	☐	12.500	11.326	1940.16	0.0006	P	2.9	-9.4
4	☐	50.000	50.199	8598.36	0.0024	P	3.1	0.4
5	☐	100.000	97.802	17006.29	0.0048	P	0.5	-2.2
6	☐	200.000	201.125	34670.06	0.0098	P	3.9	0.6

y = 4.8584E-005 * x + 3.1890E-006
R = 0.9999
DL = 0.03561 ug/l
BEC = 0.06564 ug/l

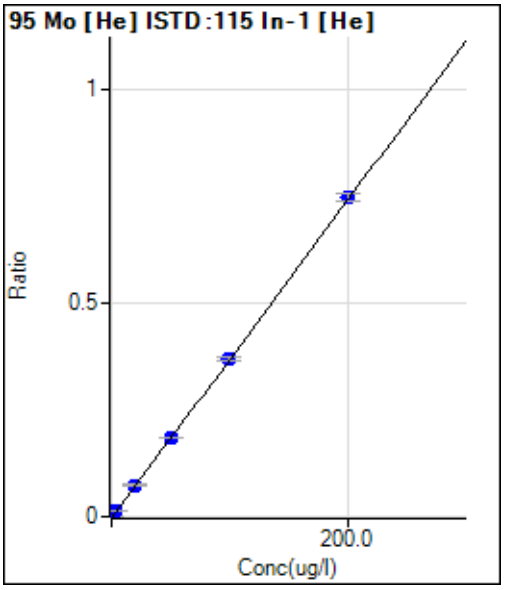
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.56	0.0002	P	48.0	
2	☐	4.000	3.889	1265.63	0.0079	P	1.7	-2.8
3	☐	20.000	18.954	6038.06	0.0376	P	2.4	-5.2
4	☐	50.000	50.301	16243.24	0.0994	P	0.9	0.6
5	☐	100.000	99.000	32028.24	0.1954	P	0.9	-1.0
6	☐	200.000	200.532	64442.33	0.3956	P	2.9	0.3

y = 0.0020 * x + 2.2197E-004
R = 1.0000
DL = 0.1623 ug/l
BEC = 0.1126 ug/l

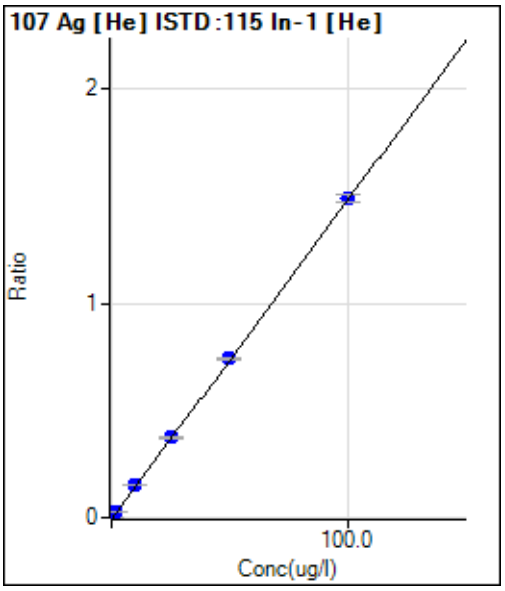
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	73.33	0.0005	P	18.2	
2	☐	4.000	3.948	2431.35	0.0152	P	7.5	-1.3
3	☐	20.000	19.787	11905.40	0.0741	P	2.4	-1.1
4	☐	50.000	49.313	30080.74	0.1841	P	1.3	-1.4
5	☐	100.000	99.017	60498.29	0.3691	P	1.6	-1.0
6	☐	200.000	200.685	121799.20	0.7477	P	2.9	0.3

y = 0.0037 * x + 4.5796E-004
R = 1.0000
DL = 0.06731 ug/l
BEC = 0.123 ug/l

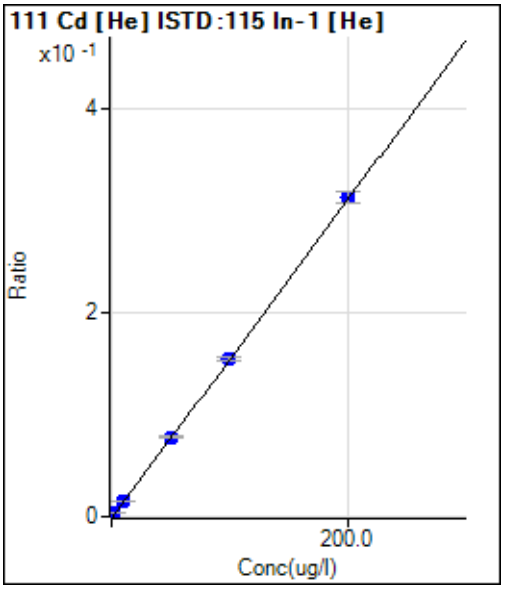
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	42.22	0.0003	P	22.7	
2	☐	2.000	2.034	4896.50	0.0305	P	5.5	1.7
3	☐	10.000	10.217	24453.85	0.1523	P	1.9	2.2
4	☐	25.000	25.043	60933.68	0.3729	P	1.6	0.2
5	☐	50.000	49.806	121506.36	0.7413	P	0.6	-0.4
6	☐	100.000	100.064	242596.35	1.4890	P	2.5	0.1

y = 0.0149 * x + 2.6363E-004
R = 1.0000
DL = 0.01207 ug/l
BEC = 0.01772 ug/l

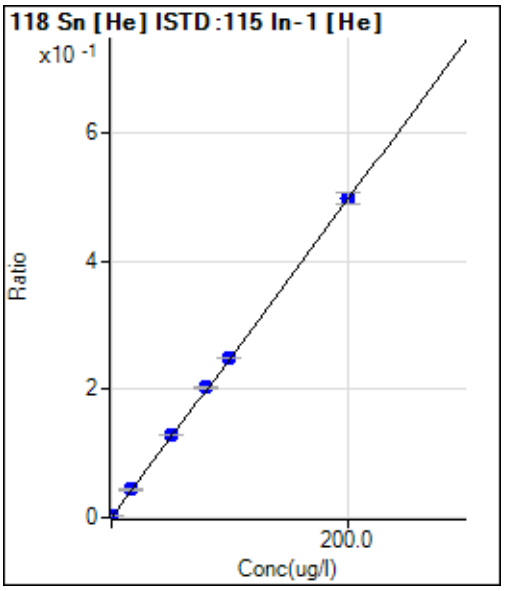
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.957	490.01	0.0031	P	3.5	-2.2
3	☐	10.000	9.688	2428.02	0.0151	P	2.1	-3.1
4	☐	50.000	50.063	12768.50	0.0781	P	2.0	0.1
5	☐	100.000	99.035	25331.11	0.1546	P	1.8	-1.0
6	☐	200.000	200.483	50963.80	0.3129	P	4.0	0.2

y = 0.0016 * x + 0.0000E+000
R = 1.0000
DL = 0 ug/l
BEC = 0 ug/l

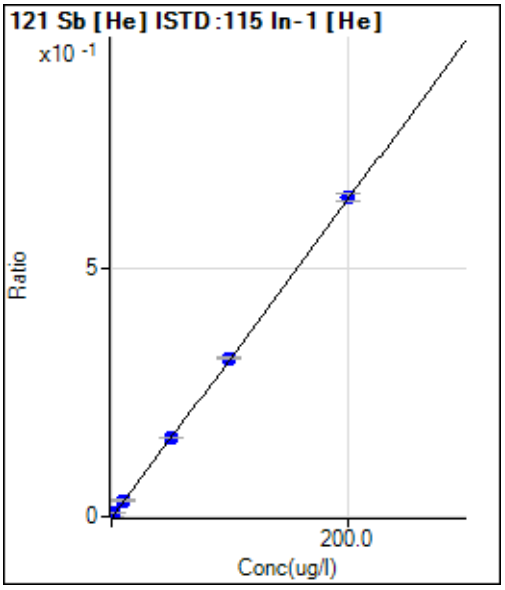
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	481.12	0.0030	P	6.7	
2	☐	16.000	16.364	6989.71	0.0436	P	1.0	2.3
3	☐	80.000	80.642	32580.52	0.2029	P	1.0	0.8
4	☐	50.000	50.689	21022.50	0.1286	P	1.7	1.4
5	☐	100.000	99.641	40975.12	0.2500	P	0.4	-0.4
6	☐	200.000	199.722	81127.27	0.4980	P	3.4	-0.1

y = 0.0025 * x + 0.0030
R = 1.0000
DL = 0.2427 ug/l
BEC = 1.212 ug/l

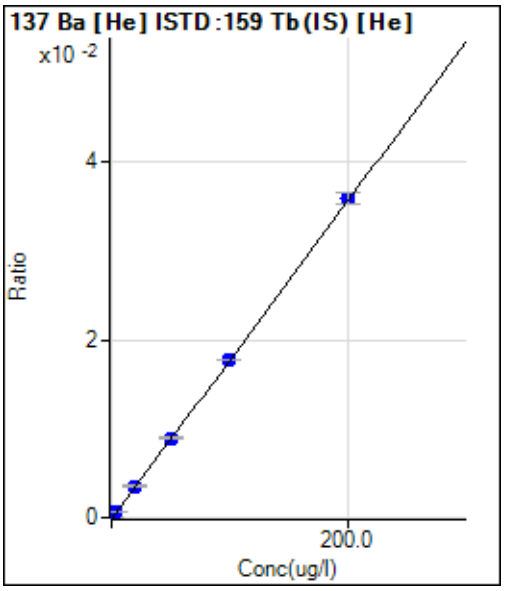
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63.33	0.0004	P	15.9	
2	☐	2.000	2.145	1168.95	0.0073	P	1.9	7.2
3	☐	10.000	10.083	5264.42	0.0328	P	3.7	0.8
4	☐	50.000	49.245	25917.84	0.1586	P	1.1	-1.5
5	☐	100.000	99.380	52393.08	0.3197	P	0.9	-0.6
6	☐	200.000	200.493	104994.62	0.6445	P	2.5	0.2

y = 0.0032 * x + 3.9550E-004
R = 1.0000
DL = 0.05864 ug/l
BEC = 0.1231 ug/l

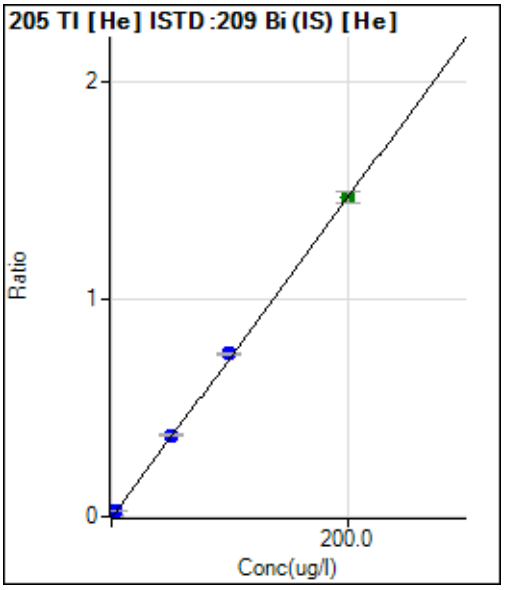
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	20.00	0.0000	P	45.0	
2	☐	4.000	3.754	647.80	0.0007	P	5.0	-6.2
3	☐	20.000	19.741	3344.91	0.0036	P	4.5	-1.3
4	☐	50.000	49.891	8459.46	0.0089	P	1.0	-0.2
5	☐	100.000	98.896	16843.21	0.0177	P	0.6	-1.1
6	☐	200.000	200.610	34158.49	0.0359	P	3.6	0.3

y = 1.7882E-004 * x + 2.1467E-005
R = 1.0000
DL = 0.1622 ug/l
BEC = 0.12 ug/l

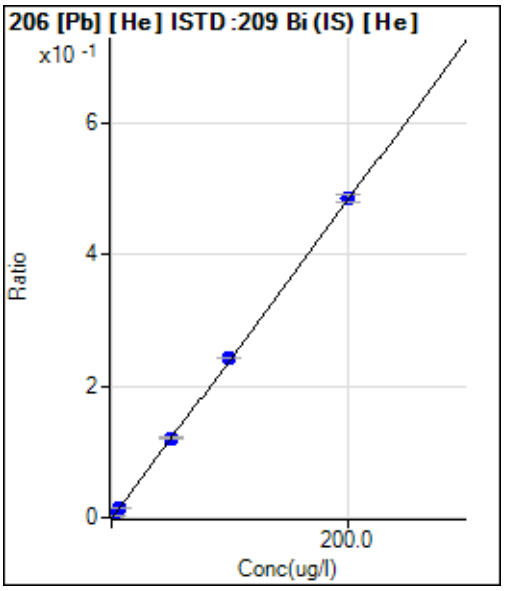
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1181.18	0.0015	P	4.6	
2	☐	0.800	0.744	5611.32	0.0070	P	1.4	-6.9
3	☐	4.000	3.856	23934.51	0.0299	P	0.7	-3.6
4	☐	50.000	50.544	298393.97	0.3739	P	1.3	1.1
5	☐	100.000	101.528	589357.93	0.7495	P	0.7	1.5
6	☐	200.000	199.103	1153817.44	1.4684	A	3.7	-0.4

y = 0.0074 * x + 0.0015
R = 0.9999
DL = 0.02772 ug/l
BEC = 0.201 ug/l

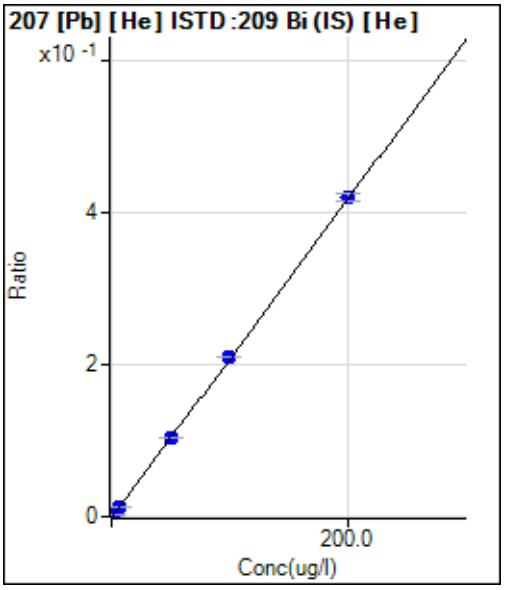
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	438.90	0.0006	P	4.1	
2	☐	1.200	1.124	2634.75	0.0033	P	5.8	-6.3
3	☐	6.000	5.835	11743.43	0.0147	P	1.5	-2.7
4	☐	50.000	49.463	95947.08	0.1202	P	1.9	-1.1
5	☐	100.000	99.781	190260.32	0.2420	P	0.6	-0.2
6	☐	200.000	200.249	381192.16	0.4851	P	2.5	0.1

y = 0.0024 * x + 5.5045E-004
R = 1.0000
DL = 0.02794 ug/l
BEC = 0.2275 ug/l

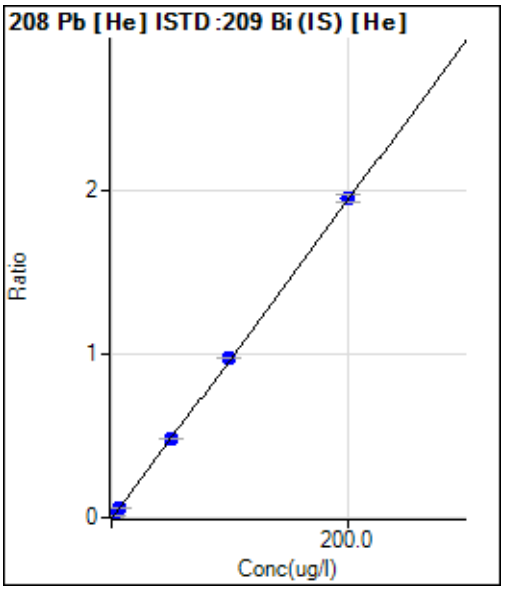
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	364.46	0.0005	P	5.0	
2	☐	1.200	1.207	2411.36	0.0030	P	5.9	0.6
3	☐	6.000	5.845	10198.75	0.0127	P	4.2	-2.6
4	☐	50.000	49.442	83283.85	0.1043	P	1.0	-1.1
5	☐	100.000	99.915	165426.66	0.2104	P	0.6	-0.1
6	☐	200.000	200.186	330910.65	0.4211	P	2.2	0.1

y = 0.0021 * x + 4.5711E-004
R = 1.0000
DL = 0.03242 ug/l
BEC = 0.2176 ug/l

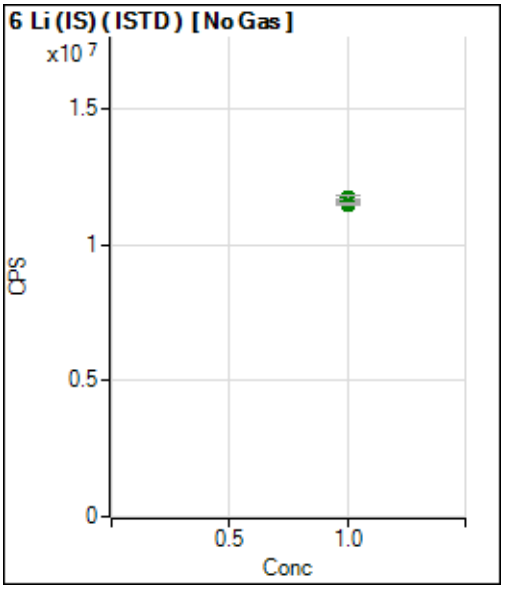
Weight: <None>
Min Conc: <None>



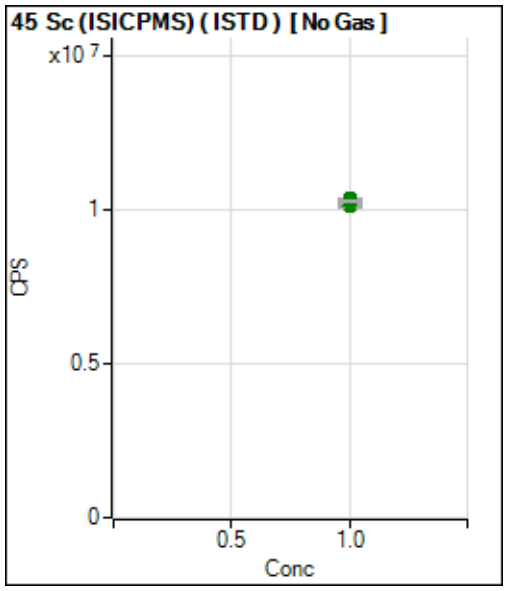
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1742.29	0.0022	P	1.5	
2	☐	1.200	1.159	10828.63	0.0134	P	1.9	-3.5
3	☐	6.000	5.889	47565.63	0.0594	P	0.8	-1.9
4	☐	50.000	49.309	384188.21	0.4814	P	0.8	-1.4
5	☐	100.000	99.941	765390.55	0.9734	P	0.5	-0.1
6	☐	200.000	200.206	1530744.47	1.9478	P	2.2	0.1

y = 0.0097 * x + 0.0022
R = 1.0000
DL = 0.01025 ug/l
BEC = 0.2248 ug/l

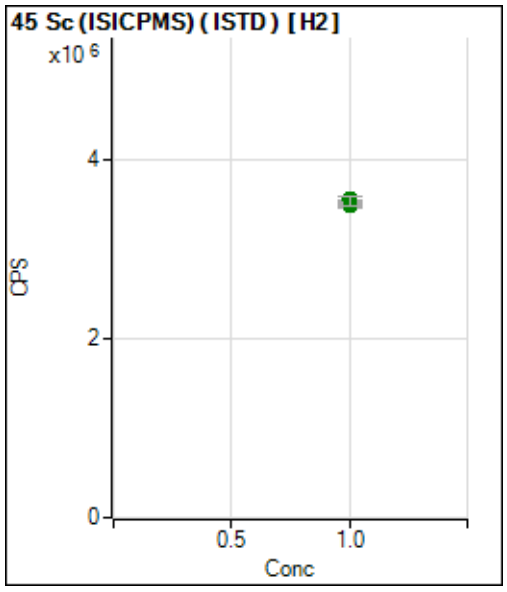
Weight: <None>
Min Conc: <None>



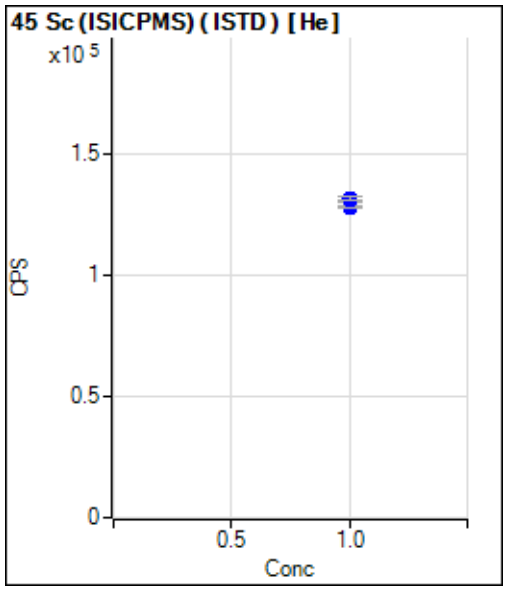
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		11650501.36		A	0.5	
2	☐	1.000		11522562.88		A	0.6	
3	☐	1.000		11572160.38		A	1.3	
4	☐	1.000		11674501.91		A	0.4	
5	☐	1.000		11740952.33		A	0.6	
6	☐	1.000		11473420.66		A	0.5	



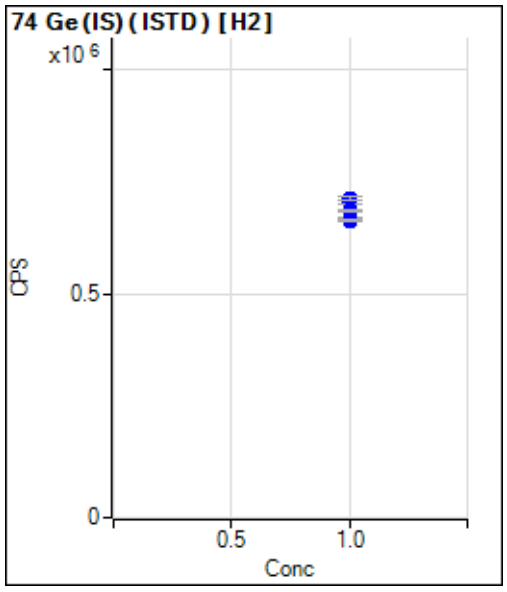
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		10103881.59		A	1.2	
2	☐	1.000		10144980.40		A	0.7	
3	☐	1.000		10105298.32		A	1.6	
4	☐	1.000		10361556.86		A	0.3	
5	☐	1.000		10257851.24		A	1.2	
6	☐	1.000		10247751.86		A	0.6	



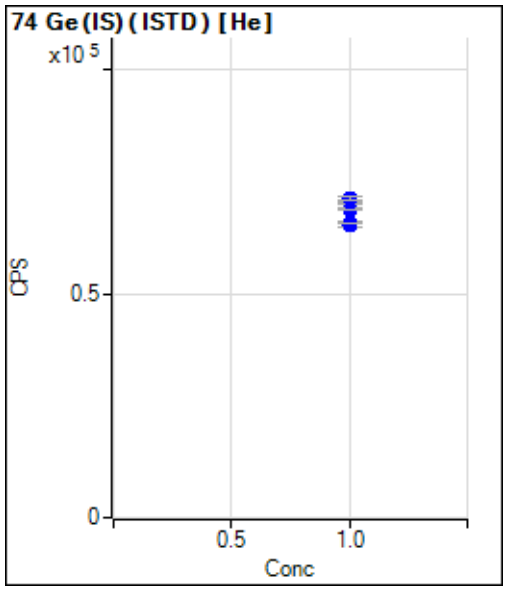
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3486902.94		A	0.8	
2	☐	1.000		3488431.51		A	1.6	
3	☐	1.000		3505143.28		A	0.8	
4	☐	1.000		3521307.17		A	0.5	
5	☐	1.000		3576746.54		A	1.2	
6	☐	1.000		3549582.45		A	2.9	



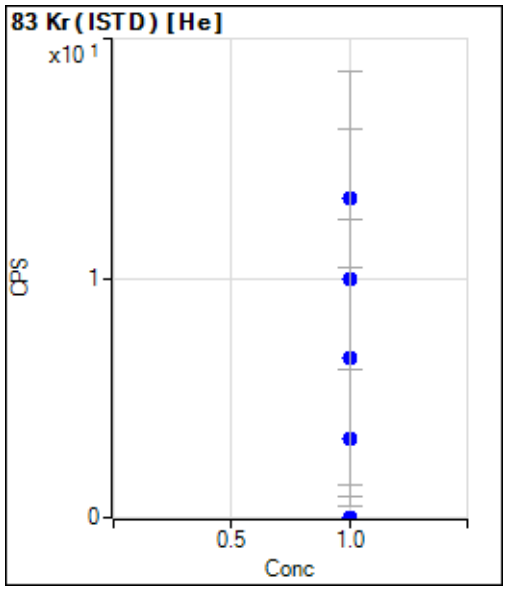
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		128383.44		P	0.9	
2	☐	1.000		128341.28		P	0.6	
3	☐	1.000		128637.04		P	0.5	
4	☐	1.000		130829.93		P	0.5	
5	☐	1.000		131822.26		P	1.2	
6	☐	1.000		131929.50		P	1.6	



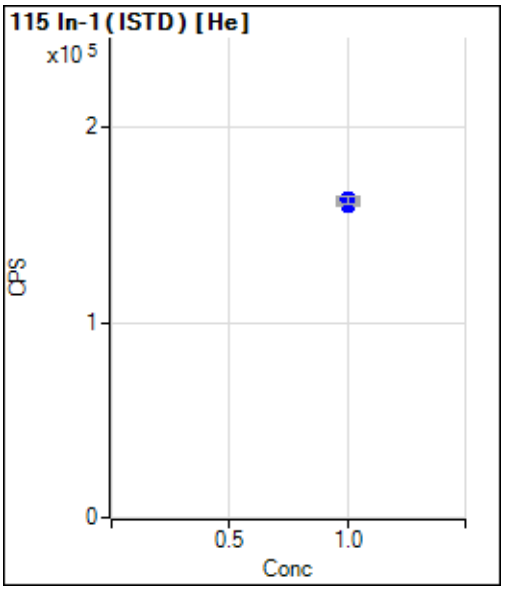
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		671718.62		P	0.2	
2	☐	1.000		664402.79		P	1.3	
3	☐	1.000		662379.81		P	0.5	
4	☐	1.000		687134.69		P	0.7	
5	☐	1.000		705304.58		P	0.9	
6	☐	1.000		713292.24		P	1.4	



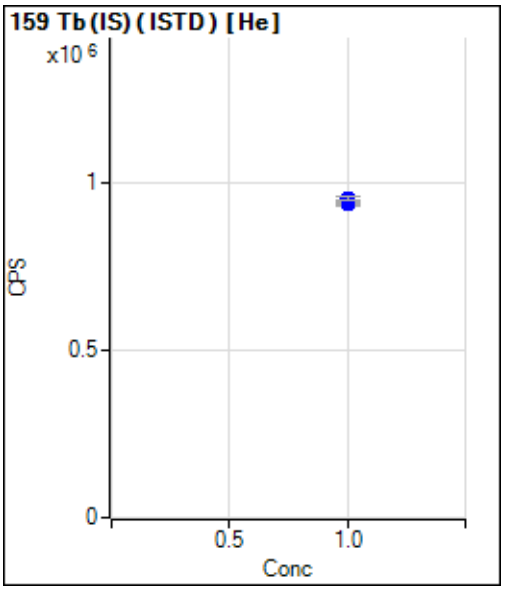
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		65325.62		P	1.1	
2	☐	1.000		65789.99		P	0.6	
3	☐	1.000		65703.03		P	0.2	
4	☐	1.000		68859.72		P	0.7	
5	☐	1.000		70291.48		P	1.1	
6	☐	1.000		71333.88		P	1.1	



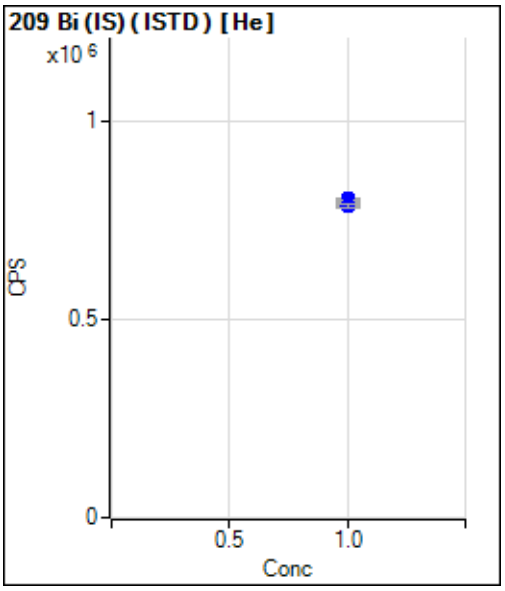
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		0.00		P		
2	☐	1.000		10.01		P	173.	
3	☐	1.000		13.35		P	43.3	
4	☐	1.000		3.34		P	173.	
5	☐	1.000		6.67		P	173.	
6	☐	1.000		3.34		P	173.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		160142.05		P	0.1	
2	☐	1.000		160452.34		P	0.6	
3	☐	1.000		160607.62		P	1.2	
4	☐	1.000		163426.25		P	0.1	
5	☐	1.000		163919.72		P	1.3	
6	☐	1.000		162974.29		P	2.1	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		934091.41		P	0.9	
2	☐	1.000		935282.15		P	0.5	
3	☐	1.000		941830.06		P	0.2	
4	☐	1.000		945923.10		P	0.4	
5	☐	1.000		951219.65		P	0.9	
6	☐	1.000		951905.93		P	1.3	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		797408.04		P	0.4	
2	☐	1.000		805481.46		P	0.1	
3	☐	1.000		800612.39		P	0.6	
4	☐	1.000		798139.75		P	1.1	
5	☐	1.000		786286.56		P	0.6	
6	☐	1.000		786066.13		P	1.7	

03222024-w

Method: 245_7470A Operator: Admin Date of Analysis: 22 Mar 2024 13:28:23

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	-128	-	965497hg1	245_7470A	22 Mar 2024 13:48:46	Hg	ug/L
0.2 ug/L - 1	993	-	965497hg1	245_7470A	22 Mar 2024 13:50:29	Hg	ug/L
1.0 ug/L - 1	5238	-	965497hg1	245_7470A	22 Mar 2024 13:52:12	Hg	ug/L
2.0 ug/L - 1	10685	-	965497hg1	245_7470A	22 Mar 2024 13:53:55	Hg	ug/L
5.0 ug/L - 1	26776	-	965497hg1	245_7470A	22 Mar 2024 13:55:41	Hg	ug/L
10.0 ug/L - 1	58940	-	965497hg1	245_7470A	22 Mar 2024 13:57:27	Hg	ug/L
ICV - 1	0	(L)2.6% 0.1280	965497hg1	245_7470A	22 Mar 2024 13:59:20	Hg	ug/L
Cal Blank - 1	-154	-	965497hg1	245_7470A	22 Mar 2024 14:00:32	Hg	ug/L
0.2 ug/L - 1	924	-	965497hg1	245_7470A	22 Mar 2024 14:02:15	Hg	ug/L
1.0 ug/L - 1	5160	-	965497hg1	245_7470A	22 Mar 2024 14:03:59	Hg	ug/L
2.0 ug/L - 1	10157	-	965497hg1	245_7470A	22 Mar 2024 14:05:43	Hg	ug/L
5.0 ug/L - 1	26895	-	965497hg1	245_7470A	22 Mar 2024 14:07:28	Hg	ug/L
10.0 ug/L - 1	53734	-	965497hg1	245_7470A	22 Mar 2024 14:09:16	Hg	ug/L
ICV - 1	26750	100.0% 5.0018	965497hg1	245_7470A	22 Mar 2024 14:11:07	Hg	ug/L
ICB - 1	-367	-0.0194	965497hg1	245_7470A	22 Mar 2024 14:13:07	Hg	ug/L
CRI - 1	904	108.0% 0.2159	965497hg1	245_7470A	22 Mar 2024 14:14:59	Hg	ug/L
QCS - 1	25811	96.6% 4.8279	965497hg1	245_7470A	22 Mar 2024 14:16:42	Hg	ug/L
MCL - 1	10167	96.6% 1.9312	965497hg1	245_7470A	22 Mar 2024 14:18:26	Hg	ug/L
CCV - 1	27350	102.3% 5.1129	965497hg1	245_7470A	22 Mar 2024 14:20:17	Hg	ug/L
CCB - 1	-383	-0.0224	965497hg1	245_7470A	22 Mar 2024 14:22:04	Hg	ug/L
MB 460-965497/1-A - 1	-175	0.0161	965497hg1	245_7470A	22 Mar 2024 14:23:56	Hg	ug/L
LCS 460-965497/2-A - 1	5288	1.0277	965497hg1	245_7470A	22 Mar 2024 14:25:38	Hg	ug/L
460-300484-J-2-E - 1	19552	3.6690	965497hg1	245_7470A	22 Mar 2024 14:27:19	Hg	ug/L
460-300484-J-2-F DU - 1	1658	0.3556	965497hg1	245_7470A	22 Mar 2024 14:29:03	Hg	ug/L
460-300484-J-2-G MS - 1	5993	1.1583	965497hg1	245_7470A	22 Mar 2024 14:30:51	Hg	ug/L
460-300484-J-2-H MSD - 1	6025	1.1642	965497hg1	245_7470A	22 Mar 2024 14:32:34	Hg	ug/L
sd 460-300484-J-2-E@5 - 1	3328	0.6648	965497hg1	245_7470A	22 Mar 2024 14:34:18	Hg	ug/L
460-300323-A-1-B - 1	-261	0.0002	965497hg1	245_7470A	22 Mar 2024 14:36:03	Hg	ug/L
460-300295-C-1-B - 1	-104	0.0293	965497hg1	245_7470A	22 Mar 2024 14:37:47	Hg	ug/L
460-300296-D-1-B - 1	-150	0.0208	965497hg1	245_7470A	22 Mar 2024 14:39:30	Hg	ug/L
CCV - 1	26892	100.6% 5.0281	965497hg1	245_7470A	22 Mar 2024 14:41:13	Hg	ug/L
CCB - 1	-370	-0.0200	965497hg1	245_7470A	22 Mar 2024 14:42:54	Hg	ug/L
460-300301-B-1-B - 1	-39	0.0413	965497hg1	245_7470A	22 Mar 2024 14:44:47	Hg	ug/L
460-299794-G-4-B - 1	433	0.1287	965497hg1	245_7470A	22 Mar 2024 14:46:30	Hg	ug/L
460-299896-E-1-A - 1	-14	0.0460	965497hg1	245_7470A	22 Mar 2024 14:48:14	Hg	ug/L
460-299896-E-2-B - 1	181	0.0821	965497hg1	245_7470A	22 Mar 2024 14:49:55	Hg	ug/L
460-299896-D-3-A - 1	-139	0.0228	965497hg1	245_7470A	22 Mar 2024 14:51:37	Hg	ug/L
460-299896-E-4-A - 1	1760	0.3744	965497hg1	245_7470A	22 Mar 2024 14:53:19	Hg	ug/L
460-299896-E-5-A - 1	-220	0.0078	965497hg1	245_7470A	22 Mar 2024 14:55:00	Hg	ug/L
460-299896-E-6-B - 1	-145	0.0217	965497hg1	245_7470A	22 Mar 2024 14:56:43	Hg	ug/L
460-299896-E-7-B - 1	738	0.1852	965497hg1	245_7470A	22 Mar 2024 14:58:25	Hg	ug/L
460-300484-J-1-B - 1	10	0.0504	965497hg1	245_7470A	22 Mar 2024 15:00:07	Hg	ug/L
CCV - 1	27153	101.5% 5.0764	965497hg1	245_7470A	22 Mar 2024 15:01:49	Hg	ug/L
CCB - 1	-378	-0.0214	965497hg1	245_7470A	22 Mar 2024 15:03:31	Hg	ug/L
460-300484-J-3-B - 1	310	0.1060	965497hg1	245_7470A	22 Mar 2024 15:05:22	Hg	ug/L
460-300484-J-4-B - 1	134	0.0734	965497hg1	245_7470A	22 Mar 2024 15:07:05	Hg	ug/L
460-300349-J-1-D - 1	15	0.0513	965497hg1	245_7470A	22 Mar 2024 15:08:48	Hg	ug/L
460-300349-J-2-B - 1	-148	0.0211	965497hg1	245_7470A	22 Mar 2024 15:10:32	Hg	ug/L
460-300349-J-3-B - 1	30	0.0541	965497hg1	245_7470A	22 Mar 2024 15:12:16	Hg	ug/L
460-300349-J-4-B - 1	1803	0.3824	965497hg1	245_7470A	22 Mar 2024 15:13:57	Hg	ug/L
460-300484-J-2-E - 1	2011	0.4209	965497hg1	245_7470A	22 Mar 2024 15:15:39	Hg	ug/L
sd 460-300484-J-2-E@5 - 1	159	0.0780	965497hg1	245_7470A	22 Mar 2024 15:17:21	Hg	ug/L
MB 460-965520/1-A - 1	-176	0.0160	965497hg1	245_7470A	22 Mar 2024 15:19:05	Hg	ug/L
MB 460-965498/1-B - 1	-167	0.0176	965497hg1	245_7470A	22 Mar 2024 15:20:47	Hg	ug/L
CCV - 1	26468	99.0% 4.9496	965497hg1	245_7470A	22 Mar 2024 15:22:29	Hg	ug/L
CCB - 1	-388	-0.0233	965497hg1	245_7470A	22 Mar 2024 15:24:10	Hg	ug/L
LCS 460-965520/3-A - 1	4819	0.9409	965497hg1	245_7470A	22 Mar 2024 15:26:02	Hg	ug/L
460-300484-H-2-E - 1	-33	0.0424	965497hg1	245_7470A	22 Mar 2024 15:27:45	Hg	ug/L
460-300484-H-2-F DU - 1	2	0.0489	965497hg1	245_7470A	22 Mar 2024 15:29:29	Hg	ug/L
460-300484-H-2-G MS - 1	5737	1.1109	965497hg1	245_7470A	22 Mar 2024 15:31:12	Hg	ug/L
460-300484-H-2-H MSD - 1	5936	1.1477	965497hg1	245_7470A	22 Mar 2024 15:32:55	Hg	ug/L
sd 460-300484-H-2-E@5 - 1	-261	0.0002	965497hg1	245_7470A	22 Mar 2024 15:34:40	Hg	ug/L
460-300484-H-1-B - 1	36	0.0552	965497hg1	245_7470A	22 Mar 2024 15:36:26	Hg	ug/L
460-300484-H-3-B - 1	-102	0.0297	965497hg1	245_7470A	22 Mar 2024 15:38:08	Hg	ug/L
460-300484-H-4-B - 1	68	0.0611	965497hg1	245_7470A	22 Mar 2024 15:39:51	Hg	ug/L
460-300349-H-1-B - 1	-145	0.0217	965497hg1	245_7470A	22 Mar 2024 15:41:33	Hg	ug/L
CCV - 1	26777	100.1% 5.0068	965497hg1	245_7470A	22 Mar 2024 15:43:15	Hg	ug/L
CCB - 1	-396	-0.0248	965497hg1	245_7470A	22 Mar 2024 15:44:57	Hg	ug/L
460-300349-H-2-B - 1	-161	0.0187	965497hg1	245_7470A	22 Mar 2024 15:46:48	Hg	ug/L
460-300349-H-3-B - 1	-131	0.0243	965497hg1	245_7470A	22 Mar 2024 15:48:31	Hg	ug/L
460-300349-H-4-B - 1	-143	0.0221	965497hg1	245_7470A	22 Mar 2024 15:50:13	Hg	ug/L
460-299794-C-3-B - 1	317	0.1072	965497hg1	245_7470A	22 Mar 2024 15:51:55	Hg	ug/L
460-299794-C-5-D - 1	-71	0.0354	965497hg1	245_7470A	22 Mar 2024 15:53:37	Hg	ug/L
460-299381-P-2-A - 1	-14	0.0460	965497hg1	245_7470A	22 Mar 2024 15:55:20	Hg	ug/L
460-299381-P-3-A - 1	1534	0.3326	965497hg1	245_7470A	22 Mar 2024 15:57:03	Hg	ug/L
460-299381-P-4-A - 1	-133	0.0239	965497hg1	245_7470A	22 Mar 2024 15:58:46	Hg	ug/L
460-299381-P-5-A - 1	-12	0.0463	965497hg1	245_7470A	22 Mar 2024 16:00:30	Hg	ug/L
460-299381-P-6-A - 1	-193	0.0128	965497hg1	245_7470A	22 Mar 2024 16:02:12	Hg	ug/L
CCV - 1	26827	100.3% 5.0160	965497hg1	245_7470A	22 Mar 2024 16:03:55	Hg	ug/L
CCB - 1	-380	-0.0218	965497hg1	245_7470A	22 Mar 2024 16:05:36	Hg	ug/L
MB 460-965523/1-A - 1	-189	0.0136	965497hg1	245_7470A	22 Mar 2024 16:07:28	Hg	ug/L
LCS 460-965523/2-A - 1	24241	4.5372	965497hg1	245_7470A	22 Mar 2024 16:09:10	Hg	ug/L
460-300039-B-11-F - 1	99	0.0669	965497hg1	245_7470A	22 Mar 2024 16:10:52	Hg	ug/L
460-300039-B-11-G DU - 1	377	0.1184	965497hg1	245_7470A	22 Mar 2024 16:12:41	Hg	ug/L

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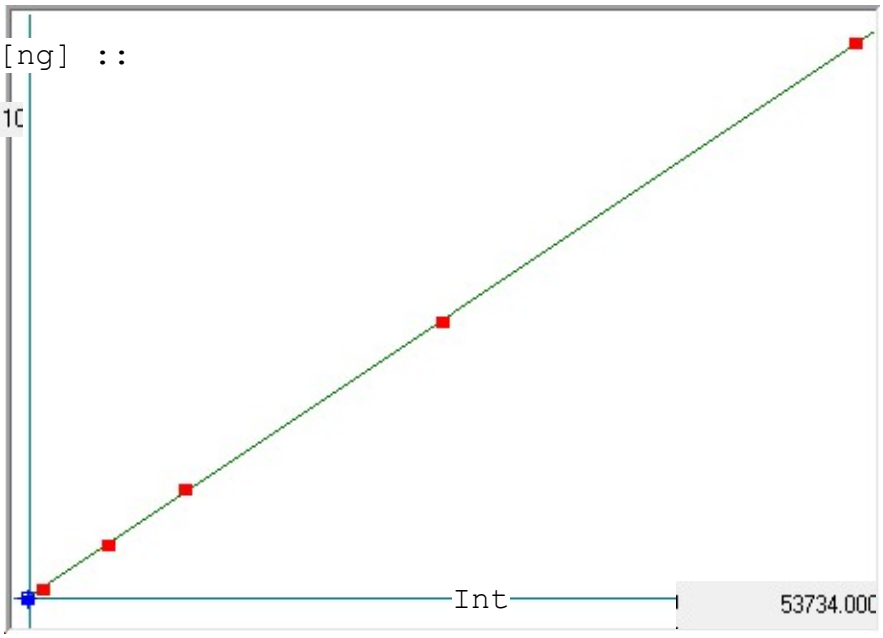
Method: 245_7470A Operator: Admin Date of Analysis: 22 Mar 2024 13:28:23

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
460-300039-B-11-H MS - 1	27587	5.1568	965497hg1	245_7470A	22 Mar 2024 16:14:24	Hg	ug/L
sd 460-300039-B-11-F@5 - 1	-225	0.0069	965497hg1	245_7470A	22 Mar 2024 16:16:06	Hg	ug/L
460-299986-D-1-F - 1	3517	0.6998	965497hg1	245_7470A	22 Mar 2024 16:17:57	Hg	ug/L
460-299986-G-3-F - 1	4	0.0493	965497hg1	245_7470A	22 Mar 2024 16:19:40	Hg	ug/L
460-299986-G-5-G - 1	890	0.2133	965497hg1	245_7470A	22 Mar 2024 16:21:24	Hg	ug/L
460-300274-C-1-H - 1	187	0.0832	965497hg1	245_7470A	22 Mar 2024 16:23:08	Hg	ug/L
CCV - 1	27087	101.3% 5.0642	965497hg1	245_7470A	22 Mar 2024 16:24:52	Hg	ug/L
CCB - 1	-413	-0.0279	965497hg1	245_7470A	22 Mar 2024 16:26:33	Hg	ug/L
460-300274-C-2-F - 1	131	0.0728	965497hg1	245_7470A	22 Mar 2024 16:28:25	Hg	ug/L
460-299085-A-1-E - 1	565	0.1532	965497hg1	245_7470A	22 Mar 2024 16:30:08	Hg	ug/L
460-300267-A-1-D - 1	159	0.0780	965497hg1	245_7470A	22 Mar 2024 16:31:50	Hg	ug/L
460-300039-G-7-G - 1	513	0.1435	965497hg1	245_7470A	22 Mar 2024 16:33:33	Hg	ug/L
460-300039-F-8-G - 1	72	0.0619	965497hg1	245_7470A	22 Mar 2024 16:35:15	Hg	ug/L
460-300039-G-9-F - 1	76	0.0626	965497hg1	245_7470A	22 Mar 2024 16:36:58	Hg	ug/L
460-300039-B-10-G - 1	162	0.0785	965497hg1	245_7470A	22 Mar 2024 16:38:41	Hg	ug/L
460-300039-G-12-E - 1	61	0.0598	965497hg1	245_7470A	22 Mar 2024 16:40:24	Hg	ug/L
460-300039-B-13-E - 1	33	0.0547	965497hg1	245_7470A	22 Mar 2024 16:42:06	Hg	ug/L
460-300039-A-14-E - 1	35	0.0550	965497hg1	245_7470A	22 Mar 2024 16:43:49	Hg	ug/L
CCV - 1	26871	100.5% 5.0242	965497hg1	245_7470A	22 Mar 2024 16:45:33	Hg	ug/L
CCB - 1	-348	-0.0159	965497hg1	245_7470A	22 Mar 2024 16:47:15	Hg	ug/L
460-300039-E-15-E - 1	29	0.0539	965497hg1	245_7470A	22 Mar 2024 16:49:09	Hg	ug/L
460-300039-D-16-E - 1	310	0.1060	965497hg1	245_7470A	22 Mar 2024 16:50:52	Hg	ug/L
460-300039-A-17-E - 1	249	0.0947	965497hg1	245_7470A	22 Mar 2024 16:52:36	Hg	ug/L
460-300291-A-1-F - 1	41	0.0561	965497hg1	245_7470A	22 Mar 2024 16:54:19	Hg	ug/L
460-300279-G-1-F - 1	-107	0.0287	965497hg1	245_7470A	22 Mar 2024 16:56:02	Hg	ug/L
CCV - 1	26979	100.9% 5.0442	965497hg1	245_7470A	22 Mar 2024 16:57:45	Hg	ug/L
CCB - 1	-356	-0.0174	965497hg1	245_7470A	22 Mar 2024 16:59:27	Hg	ug/L
460-299794-C-3-B - 1	-92	0.0315	965497hg1	245_7470A	22 Mar 2024 17:02:40	Hg	ug/L
CCV - 1	23512	(L)88.0% 4.4022	965497hg1	245_7470A	22 Mar 2024 17:04:23	Hg	ug/L
CCB - 1	-408	-0.0270	965497hg1	245_7470A	22 Mar 2024 17:06:05	Hg	ug/L

245_7470A

Linear



A= 0.0000e+000

B= 1.8517e-004

C= 4.8550e-002

Rho= 0.9999557

Accept= Accepted

Accepted Date=

03/22/24 14:11

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.020	0.020	-154	0.000	-154				
0.2 ug/L	0.200	0.220	0.020	924	0.0 %	924				
1.0 ug/L	1.000	1.004	0.004	5160	0.0 %	5160				
2.0 ug/L	2.000	1.929	-0.071	10157	0.0 %	10157				
5.0 ug/L	5.000	5.029	0.029	26895	0.0 %	26895				
10.0 ug/L	10.000	9.998	-0.002	53734	0.0 %	53734				

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Method: 245_7470A Operator: Admin Date of Analysis: 26 Mar 2024 13:27:59

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	67	-	965997hg1	245_7470A	26 Mar 2024 13:50:57	Hg	ug/L
0.2 ug/L - 1	1109	-	965997hg1	245_7470A	26 Mar 2024 13:52:39	Hg	ug/L
1.0 ug/L - 1	5649	-	965997hg1	245_7470A	26 Mar 2024 13:54:23	Hg	ug/L
2.0 ug/L - 1	10879	-	965997hg1	245_7470A	26 Mar 2024 13:56:06	Hg	ug/L
5.0 ug/L - 1	26555	-	965997hg1	245_7470A	26 Mar 2024 13:57:51	Hg	ug/L
10.0 ug/L - 1	50925	-	965997hg1	245_7470A	26 Mar 2024 13:59:37	Hg	ug/L
ICV - 1	0	(L)-1.6% -0.0816	965997hg1	245_7470A	26 Mar 2024 14:01:32	Hg	ug/L
Cal Blank - 1	63	-	965997hg1	245_7470A	26 Mar 2024 14:03:00	Hg	ug/L
0.2 ug/L - 1	1069	-	965997hg1	245_7470A	26 Mar 2024 14:04:43	Hg	ug/L
1.0 ug/L - 1	5317	-	965997hg1	245_7470A	26 Mar 2024 14:06:27	Hg	ug/L
2.0 ug/L - 1	10491	-	965997hg1	245_7470A	26 Mar 2024 14:08:10	Hg	ug/L
5.0 ug/L - 1	26484	-	965997hg1	245_7470A	26 Mar 2024 14:09:55	Hg	ug/L
10.0 ug/L - 1	53115	-	965997hg1	245_7470A	26 Mar 2024 14:11:40	Hg	ug/L
ICV - 1	26630	100.4% 5.0189	965997hg1	245_7470A	26 Mar 2024 14:13:34	Hg	ug/L
ICB - 1	-202	-0.0357	965997hg1	245_7470A	26 Mar 2024 14:15:37	Hg	ug/L
CRI - 1	1046	99.7% 0.1994	965997hg1	245_7470A	26 Mar 2024 14:17:31	Hg	ug/L
QCS - 1	26586	100.2% 5.0106	965997hg1	245_7470A	26 Mar 2024 14:19:15	Hg	ug/L
MCL - 1	10001	94.3% 1.8863	965997hg1	245_7470A	26 Mar 2024 14:20:58	Hg	ug/L
CCV - 1	25613	96.5% 4.8273	965997hg1	245_7470A	26 Mar 2024 14:22:52	Hg	ug/L
CCB - 1	-202	-0.0357	965997hg1	245_7470A	26 Mar 2024 14:24:37	Hg	ug/L
MB 460-965997/1-A - 1	-47	-0.0065	965997hg1	245_7470A	26 Mar 2024 14:26:32	Hg	ug/L
LCS 460-965997/2-A - 1	4809	0.9083	965997hg1	245_7470A	26 Mar 2024 14:28:14	Hg	ug/L
460-300430-J-3-B - 1	-61	-0.0091	965997hg1	245_7470A	26 Mar 2024 14:29:55	Hg	ug/L
460-300430-J-3-C DU - 1	137	0.0282	965997hg1	245_7470A	26 Mar 2024 14:31:39	Hg	ug/L
460-300430-J-3-D MS - 1	6481	1.2232	965997hg1	245_7470A	26 Mar 2024 14:33:21	Hg	ug/L
sd 460-300430-J-3-B@5 - 1	-111	-0.0185	965997hg1	245_7470A	26 Mar 2024 14:35:02	Hg	ug/L
460-300108-B-2-C - 1	66	0.0148	965997hg1	245_7470A	26 Mar 2024 14:36:46	Hg	ug/L
460-300397-E-1-B - 1	-10	0.0005	965997hg1	245_7470A	26 Mar 2024 14:38:28	Hg	ug/L
460-300397-E-2-B - 1	-28	-0.0029	965997hg1	245_7470A	26 Mar 2024 14:40:10	Hg	ug/L
460-300397-E-3-C - 1	-41	-0.0054	965997hg1	245_7470A	26 Mar 2024 14:41:53	Hg	ug/L
CCV - 1	26479	99.8% 4.9904	965997hg1	245_7470A	26 Mar 2024 14:43:35	Hg	ug/L
CCB - 1	-244	-0.0436	965997hg1	245_7470A	26 Mar 2024 14:45:17	Hg	ug/L
460-300397-E-4-B - 1	198	0.0397	965997hg1	245_7470A	26 Mar 2024 14:47:10	Hg	ug/L
460-300397-C-5-B - 1	-28	-0.0029	965997hg1	245_7470A	26 Mar 2024 14:48:53	Hg	ug/L
460-300689-G-1-B - 1	1	0.0026	965997hg1	245_7470A	26 Mar 2024 14:50:37	Hg	ug/L
460-300484-J-3-C - 1	449	0.0870	965997hg1	245_7470A	26 Mar 2024 14:52:19	Hg	ug/L
460-300025-C-7-B - 1	-46	-0.0063	965997hg1	245_7470A	26 Mar 2024 14:54:00	Hg	ug/L
460-300149-J-10-B - 1	-44	-0.0059	965997hg1	245_7470A	26 Mar 2024 14:55:42	Hg	ug/L
460-300395-E-3-B - 1	-63	-0.0095	965997hg1	245_7470A	26 Mar 2024 14:57:24	Hg	ug/L
460-300398-E-8-B - 1	-19	-0.0012	965997hg1	245_7470A	26 Mar 2024 14:59:06	Hg	ug/L
460-300430-J-1-B - 1	22	0.0065	965997hg1	245_7470A	26 Mar 2024 15:00:48	Hg	ug/L
460-300430-J-2-B - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:02:29	Hg	ug/L
CCV - 1	26261	99.0% 4.9494	965997hg1	245_7470A	26 Mar 2024 15:04:12	Hg	ug/L
CCB - 1	-223	-0.0396	965997hg1	245_7470A	26 Mar 2024 15:05:54	Hg	ug/L
460-300436-E-20-B - 1	-52	-0.0074	965997hg1	245_7470A	26 Mar 2024 15:07:48	Hg	ug/L
460-300476-C-7-A - 1	-44	-0.0059	965997hg1	245_7470A	26 Mar 2024 15:09:31	Hg	ug/L
460-300560-E-22-B - 1	-65	-0.0099	965997hg1	245_7470A	26 Mar 2024 15:11:15	Hg	ug/L
460-300581-E-14-B - 1	-61	-0.0091	965997hg1	245_7470A	26 Mar 2024 15:12:58	Hg	ug/L
460-300021-G-1-B - 1	123	0.0255	965997hg1	245_7470A	26 Mar 2024 15:14:42	Hg	ug/L
MB 460-966002/1-A - 1	214	0.0427	965997hg1	245_7470A	26 Mar 2024 15:16:24	Hg	ug/L
MB 460-966001/1-B - 1	-41	-0.0054	965997hg1	245_7470A	26 Mar 2024 15:18:05	Hg	ug/L
LCS 460-966002/3-A - 1	5359	1.0119	965997hg1	245_7470A	26 Mar 2024 15:19:47	Hg	ug/L
460-299463-Q-1-A - 1	-92	-0.0150	965997hg1	245_7470A	26 Mar 2024 15:21:29	Hg	ug/L
460-299463-Q-1-B DU - 1	39	0.0097	965997hg1	245_7470A	26 Mar 2024 15:23:13	Hg	ug/L
CCV - 1	26825	101.1% 5.0556	965997hg1	245_7470A	26 Mar 2024 15:24:55	Hg	ug/L
CCB - 1	-235	-0.0419	965997hg1	245_7470A	26 Mar 2024 15:26:37	Hg	ug/L
460-299463-Q-1-C MS - 1	5494	1.0373	965997hg1	245_7470A	26 Mar 2024 15:28:32	Hg	ug/L
460-299463-Q-1-D MSD - 1	5302	1.0011	965997hg1	245_7470A	26 Mar 2024 15:30:15	Hg	ug/L
sd 460-299463-Q-1-A@5 - 1	-166	-0.0289	965997hg1	245_7470A	26 Mar 2024 15:32:00	Hg	ug/L
460-299463-Q-2-A - 1	7	0.0037	965997hg1	245_7470A	26 Mar 2024 15:33:45	Hg	ug/L
460-299463-Q-3-A - 1	-5	0.0014	965997hg1	245_7470A	26 Mar 2024 15:35:28	Hg	ug/L
460-299463-Q-4-A - 1	-26	-0.0025	965997hg1	245_7470A	26 Mar 2024 15:37:11	Hg	ug/L
460-299463-Q-5-A - 1	-11	0.0003	965997hg1	245_7470A	26 Mar 2024 15:38:54	Hg	ug/L
460-299463-J-8-A - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:40:36	Hg	ug/L
460-300106-B-2-A - 1	18	0.0058	965997hg1	245_7470A	26 Mar 2024 15:42:18	Hg	ug/L
460-300106-B-3-A - 1	5	0.0033	965997hg1	245_7470A	26 Mar 2024 15:44:00	Hg	ug/L
CCV - 1	26604	100.3% 5.0140	965997hg1	245_7470A	26 Mar 2024 15:45:42	Hg	ug/L
CCB - 1	-247	-0.0442	965997hg1	245_7470A	26 Mar 2024 15:47:24	Hg	ug/L
460-300106-B-4-A - 1	117	0.0244	965997hg1	245_7470A	26 Mar 2024 15:49:17	Hg	ug/L
460-300106-B-5-A - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:50:59	Hg	ug/L
460-300106-B-6-A - 1	-37	-0.0046	965997hg1	245_7470A	26 Mar 2024 15:52:41	Hg	ug/L
460-300634-D-1-A - 1	22	0.0065	965997hg1	245_7470A	26 Mar 2024 15:54:23	Hg	ug/L
460-300634-D-2-A - 1	-14	-0.0003	965997hg1	245_7470A	26 Mar 2024 15:56:06	Hg	ug/L
460-300634-D-3-A - 1	-54	-0.0078	965997hg1	245_7470A	26 Mar 2024 15:57:48	Hg	ug/L
460-300634-D-4-A - 1	-30	-0.0033	965997hg1	245_7470A	26 Mar 2024 15:59:31	Hg	ug/L
460-300634-D-5-A - 1	-27	-0.0027	965997hg1	245_7470A	26 Mar 2024 16:01:14	Hg	ug/L
460-300634-D-6-A - 1	-39	-0.0050	965997hg1	245_7470A	26 Mar 2024 16:02:58	Hg	ug/L
460-300430-H-1-B - 1	-29	-0.0031	965997hg1	245_7470A	26 Mar 2024 16:04:40	Hg	ug/L
CCV - 1	26000	98.0% 4.9002	965997hg1	245_7470A	26 Mar 2024 16:06:23	Hg	ug/L
CCB - 1	-193	-0.0340	965997hg1	245_7470A	26 Mar 2024 16:08:06	Hg	ug/L
460-300430-H-2-B - 1	-2	0.0020	965997hg1	245_7470A	26 Mar 2024 16:10:01	Hg	ug/L
460-300430-H-3-B - 1	-63	-0.0095	965997hg1	245_7470A	26 Mar 2024 16:11:44	Hg	ug/L
MB 460-966015/1-A - 1	1612	0.3960	965997hg1	245_7470A	26 Mar 2024 16:13:27	Hg	ug/L
LCS 460-966015/2-A - 1	27410	5.1658	965997hg1	245_7470A	26 Mar 2024 16:15:09	Hg	ug/L

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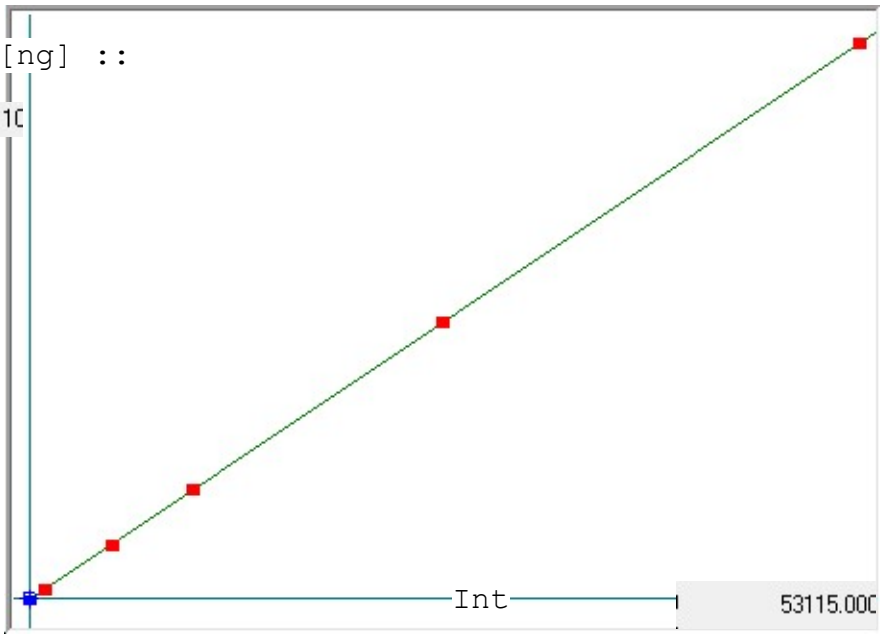
Method: 245_7470A Operator: Admin Date of Analysis: 26 Mar 2024 13:27:59

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
460-300341-D-5-H - 1	823	0.1574	965997hg1	245_7470A	26 Mar 2024 16:16:52	Hg	ug/L
460-300341-D-5-I DU - 1	747	0.1431	965997hg1	245_7470A	26 Mar 2024 16:18:47	Hg	ug/L
460-300341-D-5-J MS - 1	28726	5.4137	965997hg1	245_7470A	26 Mar 2024 16:20:30	Hg	ug/L
sd 460-300341-D-5-H@5 - 1	-30	-0.0033	965997hg1	245_7470A	26 Mar 2024 16:22:13	Hg	ug/L
460-300341-C-1-J - 1	925	0.1766	965997hg1	245_7470A	26 Mar 2024 16:24:07	Hg	ug/L
460-300341-C-2-H - 1	1118	0.2130	965997hg1	245_7470A	26 Mar 2024 16:25:50	Hg	ug/L
CCV - 1	26522	100.0% 4.9985	965997hg1	245_7470A	26 Mar 2024 16:27:34	Hg	ug/L
CCB - 1	-230	-0.0410	965997hg1	245_7470A	26 Mar 2024 16:29:17	Hg	ug/L
460-300341-D-3-I - 1	531	0.1024	965997hg1	245_7470A	26 Mar 2024 16:31:11	Hg	ug/L
460-300341-D-4-H - 1	300	0.0589	965997hg1	245_7470A	26 Mar 2024 16:32:54	Hg	ug/L
460-300341-D-6-I - 1	62	0.0141	965997hg1	245_7470A	26 Mar 2024 16:34:37	Hg	ug/L
460-300406-B-1-K - 1	50	0.0118	965997hg1	245_7470A	26 Mar 2024 16:36:20	Hg	ug/L
460-300369-A-1-M - 1	287	0.0564	965997hg1	245_7470A	26 Mar 2024 16:38:02	Hg	ug/L
460-300624-B-1-F - 1	76	0.0167	965997hg1	245_7470A	26 Mar 2024 16:39:45	Hg	ug/L
LB 460-965645/1-G - 1	7522	1.4193	965997hg1	245_7470A	26 Mar 2024 16:41:28	Hg	ug/L
MB 460-966016/1-A - 1	-243	-0.0434	965997hg1	245_7470A	26 Mar 2024 16:43:10	Hg	ug/L
LCS 460-966016/2-A - 1	27532	5.1888	965997hg1	245_7470A	26 Mar 2024 16:44:55	Hg	ug/L
460-300614-A-1-D - 1	341	0.0666	965997hg1	245_7470A	26 Mar 2024 16:46:38	Hg	ug/L
CCV - 1	26582	100.2% 5.0098	965997hg1	245_7470A	26 Mar 2024 16:48:30	Hg	ug/L
CCB - 1	-235	-0.0419	965997hg1	245_7470A	26 Mar 2024 16:50:13	Hg	ug/L
460-300614-A-1-E DU - 1	642	0.1233	965997hg1	245_7470A	26 Mar 2024 16:52:09	Hg	ug/L
460-300614-A-1-F MS - 1	26556	5.0049	965997hg1	245_7470A	26 Mar 2024 16:53:52	Hg	ug/L
sd 460-300614-A-1-D@5 - 1	-144	-0.0248	965997hg1	245_7470A	26 Mar 2024 16:55:37	Hg	ug/L
460-300075-A-10-G - 1	5829	1.1004	965997hg1	245_7470A	26 Mar 2024 16:57:31	Hg	ug/L
460-300075-A-13-E - 1	401	0.0779	965997hg1	245_7470A	26 Mar 2024 16:59:15	Hg	ug/L
460-300075-A-14-E - 1	259	0.0512	965997hg1	245_7470A	26 Mar 2024 17:01:00	Hg	ug/L
LB 460-965834/1-B - 1	-76	-0.0119	965997hg1	245_7470A	26 Mar 2024 17:02:43	Hg	ug/L
MB 460-966015/1-A - 1	-6	0.0012	965997hg1	245_7470A	26 Mar 2024 17:04:26	Hg	ug/L
LB 460-965645/1-G - 1	-12	0.0001	965997hg1	245_7470A	26 Mar 2024 17:06:08	Hg	ug/L
CCV - 1	26774	100.9% 5.0460	965997hg1	245_7470A	26 Mar 2024 17:07:52	Hg	ug/L
CCB - 1	-253	-0.0453	965997hg1	245_7470A	26 Mar 2024 17:09:34	Hg	ug/L

245_7470A

Linear



A= 0.0000e+000

B= 1.8838e-004

C= 2.3727e-003

Rho= 0.9999945

Accept= Accepted

Accepted Date=

03/26/24 14:13

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.014	0.014	63	0.000	63				
0.2 ug/L	0.200	0.204	0.004	1069	0.0 %	1069				
1.0 ug/L	1.000	1.004	0.004	5317	0.0 %	5317				
2.0 ug/L	2.000	1.979	-0.021	10491	0.0 %	10491				
5.0 ug/L	5.000	4.991	-0.009	26484	0.0 %	26484				
10.0 ug/L	10.000	10.008	0.008	53115	0.0 %	53115				

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965493 Batch Start Date: 03/22/24 10:00 Batch Analyst: Nikritin, Ketlin X

Batch Method: 3005A Batch End Date: 03/22/24 15:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00052			
MB 460-965493/1		3005A, 6020B			50 mL	50 mL				
LCS 460-965493/2		3005A, 6020B			50 mL	50 mL	0.25 mL			
460-300484-J-2	MW-16R	3005A, 6020B	Water	R	50 mL	50 mL				
460-300484-J-2 DU	MW-16R	3005A, 6020B		R	50 mL	50 mL				
460-300484-J-2 MS	MW-16R	3005A, 6020B	Water	R	50 mL	50 mL	0.25 mL			
460-300484-J-2 MSD	MW-16R	3005A, 6020B	Water	R	50 mL	50 mL	0.25 mL			
460-300484-J-1	MW-12	3005A, 6020B	Water	R	50 mL	50 mL				
460-300484-J-3	MW-17R	3005A, 6020B	Water	R	50 mL	50 mL				
460-300484-J-4	DUP_03182024	3005A, 6020B	Water	R	50 mL	50 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965493 Batch Start Date: 03/22/24 10:00 Batch Analyst: Nikritin, Ketlin X

Batch Method: 3005A Batch End Date: 03/22/24 15:00

Batch Notes	
Digestion Tube/Cup ID	Lot # 2304355-3292-MI (Env. Exp. 100 ml. Dg tube)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	JF
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	Lot # 231497 (Fisher Brand) = 2.5 ml.
Nitric Acid ID	Lot # 233426 (Fisher Brand) = 1.5 ml.
Digestion Unit ID	#4
Thermometer ID	Metals 2 (cf +1 deg C)
Thermometer Location ID	HB #4
Temperature - Uncorrected - Start	90 deg C Degrees C
Temperature - Corrected - Start	91 deg C Degrees C
Digestion Start Time	03/22/2024 10:55
Digestion End Time	03/22/2024 12:55
Temperature - Uncorrected - End	92 deg C Degrees C
Temperature - Corrected - End	93 deg C Degrees C
Filter ID	09-790F
MB Hotblock Location	#4

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965990 Batch Start Date: 03/26/24 11:34 Batch Analyst: Huang, Yixin

Batch Method: FILTRATION Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-965990/1		FILTRATION, 3005A, 6020B			10 mL	10 mL				
460-300484-H-2	MW-16R	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-2 MS	MW-16R	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-2 MSD	MW-16R	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-1	MW-12	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-3	MW-17R	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-4	DUP_03182024	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				

Batch Notes	
Batch Comment	undigested dissolved water

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965991 Batch Start Date: 03/26/24 11:50 Batch Analyst: Huang, Yixin

Batch Method: 3005A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-965990/1-A		3005A, 6020B			10 mL	10 mL				
LCS 460-965991/2		3005A, 6020B			10 mL	10 mL				
460-300484-H-2-I DU	MW-16R	3005A, 6020B		D	10 mL	10 mL				
460-300484-H-2-I	MW-16R	3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-2-J MS	MW-16R	3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-2-K MSD	MW-16R	3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-1-C	MW-12	3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-3-C	MW-17R	3005A, 6020B	Water	D	10 mL	10 mL				
460-300484-H-4-C	DUP_03182024	3005A, 6020B	Water	D	10 mL	10 mL				

Batch Notes	
Batch Comment	undigested dissolved samples

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965497 Batch Start Date: 03/22/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/22/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04540	ME_DQCS-INT 04270		
MB 460-965497/1		7470A, 7470A			30 mL	30 mL				
LCS 460-965497/2		7470A, 7470A			30 mL	30 mL	0.3 mL			
460-300484-J-2	MW-16R	7470A, 7470A	Water	T	30 mL	30 mL				
460-300484-J-2 DU	MW-16R	7470A, 7470A		T	30 mL	30 mL				
460-300484-J-2 MS	MW-16R	7470A, 7470A	Water	T	30 mL	30 mL	0.3 mL			
460-300484-J-2 MSD	MW-16R	7470A, 7470A	Water	T	30 mL	30 mL	0.3 mL			
460-300484-J-1	MW-12	7470A, 7470A	Water	T	30 mL	30 mL				
460-300484-J-4	DUP_03182024	7470A, 7470A	Water	T	30 mL	30 mL				
ICV 460-965497/32		7470A, 7470A			30 mL	30 mL		1.5 mL		
CRI 460-965497/33		7470A, 7470A			30 mL	30 mL	0.06 mL			
CCV 460-965497/36		7470A, 7470A			30 mL	30 mL	1.5 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965497 Batch Start Date: 03/22/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/22/24 13:30

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	258256(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00280(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00084(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	03/22/2024 11:00
Digestion End Time	03/22/2024 13:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00267(1.8 ml)
Batch Comment	10% HCL 00217

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965498 Batch Start Date: 03/22/24 10:00 Batch Analyst: Sheikh, Razia B

Batch Method: FILTRATION Batch End Date: 03/22/24 10:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-965498/1		FILTRATION, 7470A, 7470A			30 mL	30 mL				
460-300484-H-2	MW-16R	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-2 DU	MW-16R	FILTRATION, 7470A, 7470A		D	30 mL	30 mL				
460-300484-H-2 MS	MW-16R	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-2 MSD	MW-16R	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-1	MW-12	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-3	MW-17R	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-4	DUP_03182024	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				

Batch Notes	
Filter ID	0.45um syringe filter Agilent lot 300095039

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965520 Batch Start Date: 03/22/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/22/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04540			
MB 460-965498/1-A		7470A, 7470A			30 mL	30 mL				
LCS 460-965520/3		7470A, 7470A			30 mL	30 mL	0.3 mL			
460-300484-H-2-A	MW-16R	7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-2-B DU	MW-16R	7470A, 7470A		D	30 mL	30 mL				
460-300484-H-2-C MS	MW-16R	7470A, 7470A	Water	D	30 mL	30 mL	0.3 mL			
460-300484-H-2-D MSD	MW-16R	7470A, 7470A	Water	D	30 mL	30 mL	0.3 mL			
460-300484-H-1-A	MW-12	7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-3-A	MW-17R	7470A, 7470A	Water	D	30 mL	30 mL				
460-300484-H-4-A	DUP_03182024	7470A, 7470A	Water	D	30 mL	30 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965520 Batch Start Date: 03/22/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/22/24 13:30

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	258256(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00280(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00084(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	03/22/2024 12:00
Digestion End Time	03/22/2024 14:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00267(1.8 ml)
Batch Comment	10% HCL 00217

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965997 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04542	ME_DQCS-INT 04272		
MB 460-965997/1		7470A, 7470A			30 mL	30 mL				
LCS 460-965997/2		7470A, 7470A			30 mL	30 mL	0.3 mL			
460-300430-J-3 DU		7470A, 7470A		T	30 mL	30 mL				
460-300430-J-3 MS		7470A, 7470A		T	30 mL	30 mL	0.3 mL			
460-300484-J-3	MW-17R	7470A, 7470A	Water	T	30 mL	30 mL				
ICV 460-965997/31		7470A, 7470A			30 mL	30 mL		1.5 mL		
CRI 460-965997/32		7470A, 7470A			30 mL	30 mL	0.06 mL			
CCV 460-965997/35		7470A, 7470A			30 mL	30 mL	1.5 mL			

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	258256(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00280(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00084(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	03/26/2024 11:00
Digestion End Time	03/26/2024 13:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00267(1.8 ml)
Batch Comment	10% HCL 00217

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965997 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG No.:

Project: Powerhouse, Brooklyn, NY

Client Sample ID	Lab Sample ID
MW-12	460-300484-1
MW-16R	460-300484-2
MW-17R	460-300484-3
DUP_03182024	460-300484-4

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-12 | Lab Sample ID: 460-300484-1

Lab Name: Eurofins Edison | Job No.: 460-300484-1

SDG ID.:

Matrix: Water | Date Sampled: 03/18/2024 13:50

Reporting Basis: WET | Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-16R
Lab Sample ID: 460-300484-2
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 10:55
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-17R
Lab Sample ID: 460-300484-3
Lab Name: Eurofins Edison
Job No.: 460-300484-1
SDG ID.:
Matrix: Water
Date Sampled: 03/18/2024 08:30
Reporting Basis: WET
Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0041	0.010	0.0040	mg/L	J		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: DUP_03182024 Lab Sample ID: 460-300484-4

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG ID.:

Matrix: Water Date Sampled: 03/18/2024 12:00

Reporting Basis: WET Date Received: 03/18/2024 19:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0040	mg/L	U		1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Analyst: VBG Batch Start Date: 03/22/2024

Reporting Units: mg/L Analytical Batch No.: 965550

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	22:13	Cyanide, Total	0.203	0.200	102	85-115		WTcn6ppm_ICV_01147
9	ICB	22:14	Cyanide, Total	0.010				U	
11	CCV	22:18	Cyanide, Total	0.204	0.200	102	85-115		WTcn6ppm_Pri_01170
12	CCB	22:21	Cyanide, Total	0.010				U	
23	CCV	22:30	Cyanide, Total	0.204	0.200	102	85-115		WTcn6ppm_Pri_01170
24	CCB	22:33	Cyanide, Total	0.010				U	
35	CCV	22:43	Cyanide, Total	0.206	0.200	103	85-115		WTcn6ppm_Pri_01170
36	CCB	22:46	Cyanide, Total	0.010				U	
83	CCV	23:44	Cyanide, Total	0.212	0.200	106	85-115		WTcn6ppm_Pri_01170
84	CCB	23:47	Cyanide, Total	0.010				U	
94	CCV	00:00	Cyanide, Total	0.209	0.200	105	85-115		WTcn6ppm_Pri_01170
95	CCB	00:03	Cyanide, Total	0.010				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 965550	Date: 03/22/2024 22:22	Prep Batch: 965540	Date: 03/22/2024 17:56				
9012B	MB 460-965540/12-A	Cyanide, Total	0.010	U	mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965550	Date: 03/22/2024 22:24		Prep Batch: 965540		Date: 03/22/2024 17:56						
9012B	460-300484-2	Cyanide, Total	0.010	U	mg/L						
9012B	460-300484-2 MS	Cyanide, Total	0.207		mg/L	0.200	104	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965550	Date: 03/22/2024 22:25		Prep Batch: 965540			Date: 03/22/2024 17:56					
9012B	460-300484-2 MSD	Cyanide, Total	0.202		mg/L	0.200	101	90-110	2	35	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

6-IN
DUPLICATE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water

Method	Client Sample ID	Lab Sample ID	Analyte	Result	Unit	RPD	RPD Limit	Qual
Batch ID: 965550 Date: 03/22/2024 22:40		Prep Batch: 965540	Date: 03/22/2024 17:56					
9012B		460-300055-C-1-D	Cyanide, Total	0.011	mg/L			
9012B		460-300055-C-1-D DU	Cyanide, Total	0.0116	mg/L	2		

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965550	Date: 03/22/2024 23:53		Prep Batch: 965540		Date: 03/22/2024 17:56						
					LCS Source: WTcnCmplex-IM_01202						
9012B	LCS 460-965540/13-A	Cyanide, Total	0.0910		mg/L	0.100	91	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965550	Date: 03/22/2024 22:17		Prep Batch: 965540		Date: 03/22/2024 17:56						
					LCS Source: WTcn6ppm_Pri_01170						
9012B	MRL 460-965540/11 -A	Cyanide, Total	0.00965	J	mg/L	0.0100	97	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

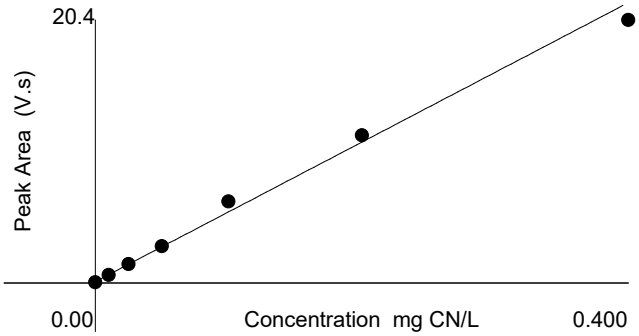
Original Run Filename: OM_3-22-2024_10-06-47PM.OMN Created: 3/22/2024 10:06:47 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_3-22-2024_10-06-47PM.OMN Last Modified: 3/22/2024 11:38:19 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

Sample	Cup No.	Channel 1 Cyanide		Detection Time
		Conc. (mg CN/L)	Area (V.s)	
ic 460-965009/24-a	1	0.400	20.4	3/22/2024@10:07:41 PM
ic 460-965009/25-a	2	0.200	11.4	3/22/2024@10:08:34 PM
ic 460-965009/26-a	3	0.100	6.31	3/22/2024@10:09:27 PM
ic 460-965009/27-a	4	0.0500	2.85	3/22/2024@10:10:24 PM
ic 460-965009/28-a	5	0.0250	1.44	3/22/2024@10:11:17 PM
ic 460-965009/29-a	6	0.0100	0.620	3/22/2024@10:12:10 PM
ic 460-965009/30-a	7	0.00	0.0422	3/22/2024@10:13:02 PM

Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	20.4	1.28	0.0	6.2	0.373	3/22/2024	10:07:41 PM
2	0.200	1	11.4	0.738	0.0	-4.8	0.208	3/22/2024	10:08:34 PM
3	0.100	1	6.31	0.413	0.0	-14.6	0.114	3/22/2024	10:09:27 PM
4	0.0500	1	2.85	0.189	0.0	-1.7	0.0507	3/22/2024	10:10:24 PM
5	0.0250	1	1.44	0.0958	0.0	0.7	0.0248	3/22/2024	10:11:17 PM
6	0.0100	1	0.620	0.0403	0.0	3.2	9.70e-3	3/22/2024	10:12:10 PM
7	0.00	1	0.0422	1.69e-3			-9.19e-4	3/22/2024	10:13:02 PM

Figure : 1 (Cyanide)



Area = 54.1 * Conc + 0.100
Conc = 0.0184 * Area - 1.69e-3
Correlation Coefficient (r) = 0.99925

Weighting : 1/x

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B MDL Date: 04/20/2018 11:15

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300484-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B XMDL Date: 04/20/2018 11:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MRL 460-965540/11-A	03/22/2024 17:56	965540		6.0	6.0
MB 460-965540/12-A	03/22/2024 17:56	965540		6.0	6.0
LCS 460-965540/13-A	03/22/2024 17:56	965540		6.0	6.0
460-300484-2	03/22/2024 17:56	965540		6.0	6.0
460-300484-2 MS	03/22/2024 17:56	965540		6.0	6.0
460-300484-2 MSD	03/22/2024 17:56	965540		6.0	6.0
460-300484-1	03/22/2024 17:56	965540		6.0	6.0
460-300484-3	03/22/2024 17:56	965540		6.0	6.0
460-300484-4	03/22/2024 17:56	965540		6.0	6.0
460-300055-C-1-D DU	03/22/2024 17:56	965540		6.0	6.0

ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/22/2024 22:07 End Date: 03/23/2024 00:03

Lab Sample ID	D / F	Type	Time	Analytes
				CN
IC 460-965009/24-A			22:07	X
IC 460-965009/25-A			22:08	X
IC 460-965009/26-A			22:09	X
IC 460-965009/27-A			22:10	X
IC 460-965009/28-A			22:11	X
IC 460-965009/29-A			22:12	X
IC 460-965009/30-A			22:13	X
ICV 460-965540/10-A	1		22:13	X
ICB 460-965550/9	1		22:14	X
MRL 460-965540/11-A	1	T	22:17	X
CCV 460-965540/9-A	1		22:18	X
CCB 460-965550/12	1		22:21	X
MB 460-965540/12-A	1	T	22:22	X
ZZZZZZ			22:23	
460-300484-2	1	T	22:23	X
460-300484-2 MS	1	T	22:24	X
460-300484-2 MSD	1	T	22:25	X
460-300484-1	1	T	22:26	X
460-300484-3	1	T	22:27	X
460-300484-4	1	T	22:28	X
ZZZZZZ			22:29	
ZZZZZZ			22:30	
CCV 460-965540/9-A	1		22:30	X
CCB 460-965550/24	1		22:33	X
ZZZZZZ			22:34	
ZZZZZZ			22:35	
ZZZZZZ			22:36	
ZZZZZZ			22:37	
ZZZZZZ			22:38	
ZZZZZZ			22:39	
ZZZZZZ			22:39	
460-300055-C-1-D DU	1	T	22:40	X
ZZZZZZ			22:41	
ZZZZZZ			22:42	
CCV 460-965540/9-A	1		22:43	X
CCB 460-965550/36	1		22:46	X
ZZZZZZ			22:47	
ZZZZZZ			22:47	
ZZZZZZ			22:48	
ZZZZZZ			22:49	
ZZZZZZ			22:50	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/22/2024 22:07 End Date: 03/23/2024 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			22:51																				
ZZZZZZ			22:52																				
ZZZZZZ			22:53																				
ZZZZZZ			22:54																				
ZZZZZZ			22:55																				
CCV 460-965540/9-A			22:55																				
CCB 460-965550/48			22:58																				
ZZZZZZ			22:59																				
ZZZZZZ			23:00																				
ZZZZZZ			23:01																				
ZZZZZZ			23:02																				
ZZZZZZ			23:03																				
ZZZZZZ			23:03																				
ZZZZZZ			23:04																				
ZZZZZZ			23:05																				
ZZZZZZ			23:06																				
ZZZZZZ			23:07																				
CCV 460-965540/9-A			23:08																				
CCB 460-965550/60			23:11																				
ZZZZZZ			23:12																				
ZZZZZZ			23:12																				
ZZZZZZ			23:13																				
ZZZZZZ			23:14																				
ZZZZZZ			23:15																				
ZZZZZZ			23:16																				
ZZZZZZ			23:17																				
ZZZZZZ			23:18																				
ZZZZZZ			23:18																				
ZZZZZZ			23:19																				
CCV 460-965540/9-A			23:20																				
CCB 460-965550/72			23:23																				
ZZZZZZ			23:24																				
ZZZZZZ			23:25																				
ZZZZZZ			23:26																				
ZZZZZZ			23:27																				
ZZZZZZ			23:29																				
ZZZZZZ			23:30																				
ZZZZZZ			23:31																				
ZZZZZZ			23:32																				
ZZZZZZ			23:33																				
ZZZZZZ			23:36																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/22/2024 22:07 End Date: 03/23/2024 00:03

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
CCV 460-965540/9-A	1		23:44	X																			
CCB 460-965550/84	1		23:47	X																			
ZZZZZZ			23:48																				
ZZZZZZ			23:48																				
ZZZZZZ			23:49																				
ZZZZZZ			23:50																				
LCS 460-965540/13-A	1	T	23:53	X																			
ZZZZZZ			23:54																				
ZZZZZZ			23:56																				
ZZZZZZ			23:59																				
ZZZZZZ			00:00																				
CCV 460-965540/9-A	1		00:00	X																			
CCB 460-965550/95	1		00:03	X																			

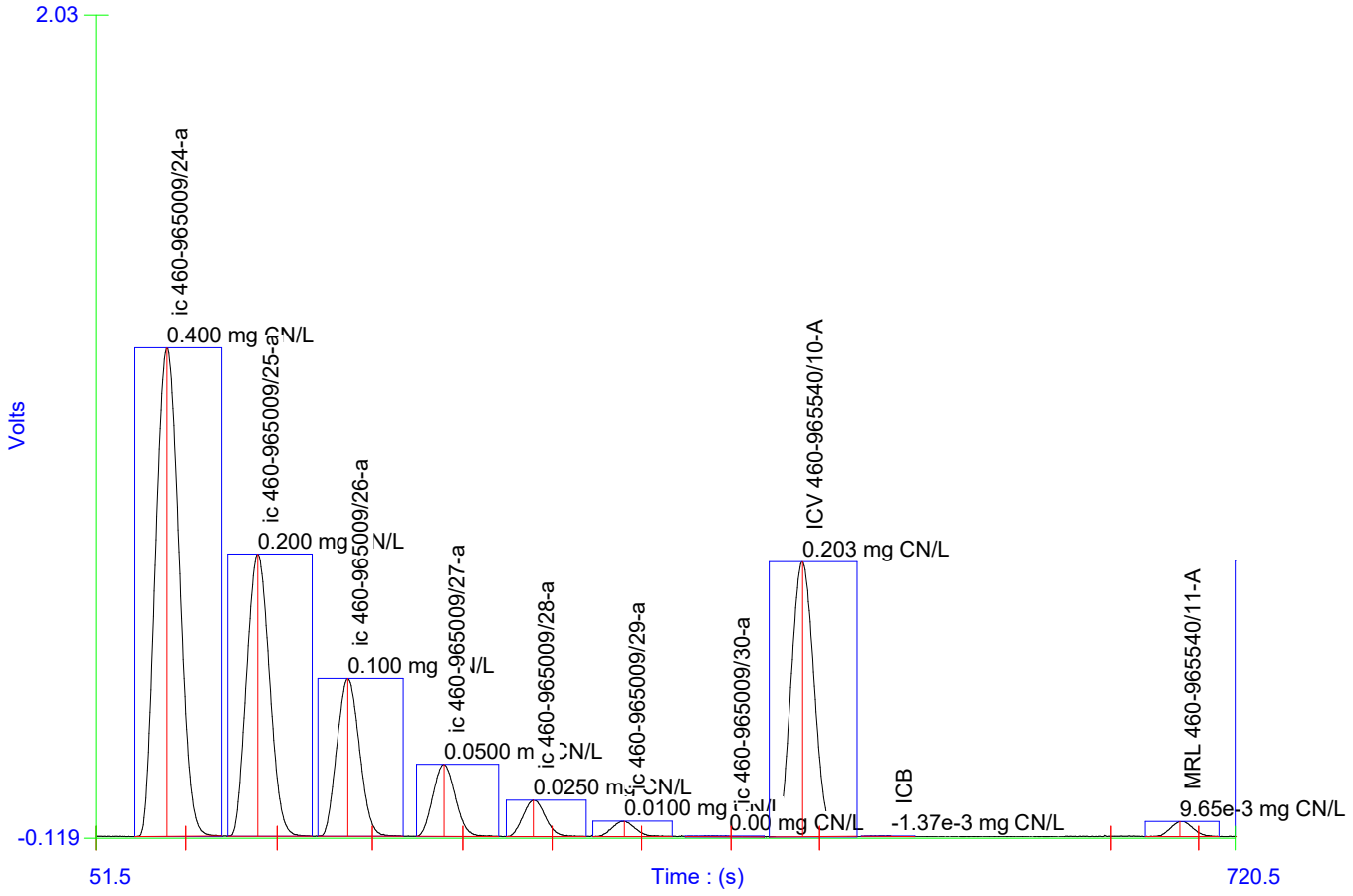
Prep Types
T = Total/NA

Original Run Filename: OM_3-22-2024_10-06-47PM.OMN Created: 3/22/2024 10:06:47 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_3-22-2024_10-06-47PM.OMN Last Modified: 3/22/2024 11:38:19 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

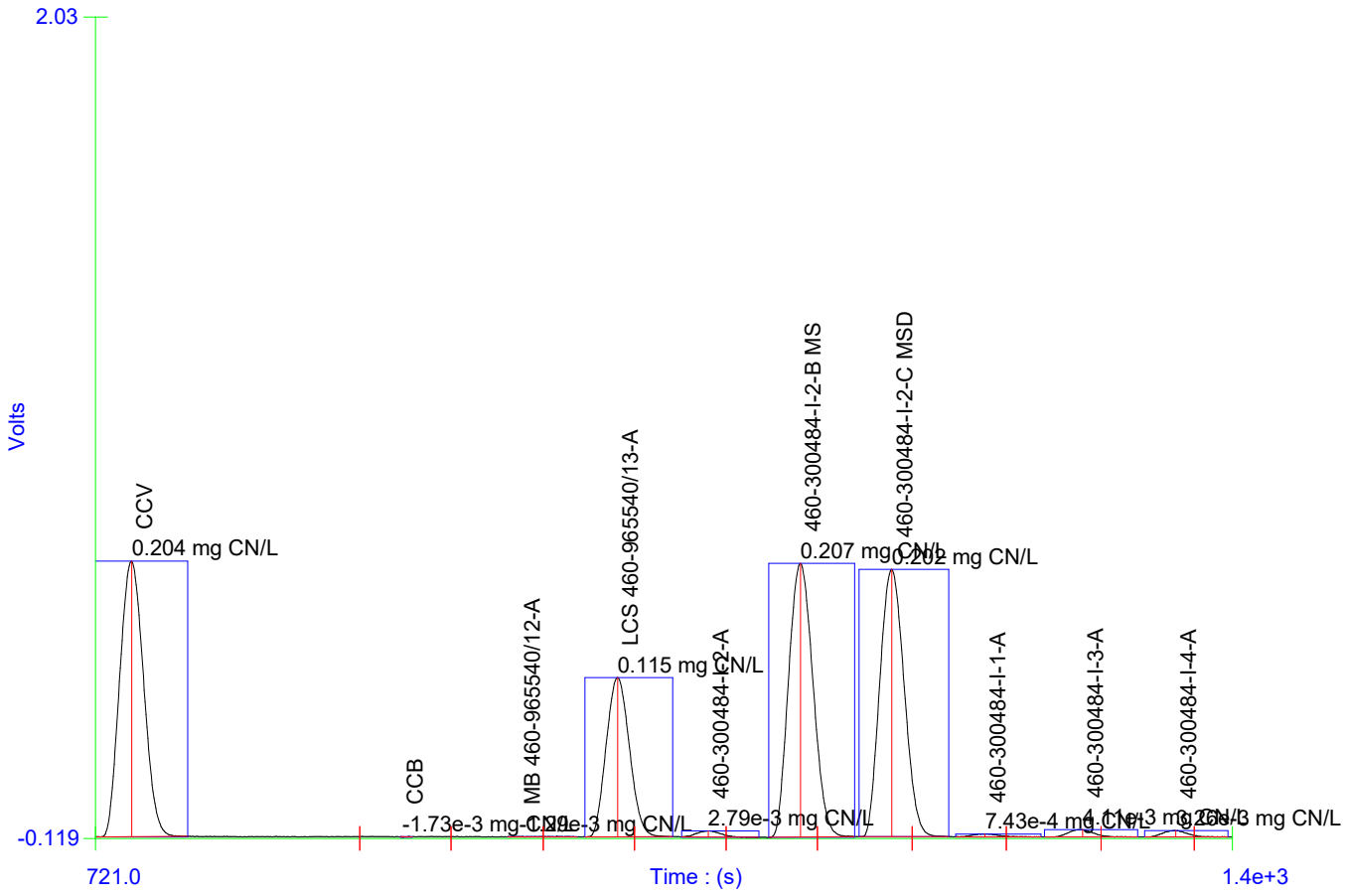
Sample	Cup No.	Channel 1 Cyanide		Detection Time
		Conc. (mg CN/L)	Area (V.s)	
ic 460-965009/24-a	1	0.400	20.4	3/22/2024@10:07:41 PM
ic 460-965009/25-a	2	0.200	11.4	3/22/2024@10:08:34 PM
ic 460-965009/26-a	3	0.100	6.31	3/22/2024@10:09:27 PM
ic 460-965009/27-a	4	0.0500	2.85	3/22/2024@10:10:24 PM
ic 460-965009/28-a	5	0.0250	1.44	3/22/2024@10:11:17 PM
ic 460-965009/29-a	6	0.0100	0.620	3/22/2024@10:12:10 PM
ic 460-965009/30-a	7	0.00	0.0422	3/22/2024@10:13:02 PM
ICV 460-965540/10-A	8	0.203	11.2	3/22/2024@10:13:55 PM
Calibration:		Table/Fig. : 1		
ICB	9	-1.37e-3	0.0177	3/22/2024@10:14:47 PM
MRL 460-965540/11-A	10	9.65e-3	0.617	3/22/2024@10:17:38 PM
CCV	S8	0.204	11.2	3/22/2024@10:18:30 PM
Known Conc:		0.200		
CCB	S9	-1.73e-3	-2.10e-3	3/22/2024@10:21:22 PM
Known Conc:		0.00		
MB 460-965540/12-A	11	-1.29e-3	0.0222	3/22/2024@10:22:13 PM
LCS 460-965540/13-A	12	0.115	6.33	3/22/2024@10:23:05 PM
460-300484-I-2-A	13	2.79e-3	0.244	3/22/2024@10:23:57 PM
460-300484-I-2-B MS	14	0.207	11.4	3/22/2024@10:24:48 PM
460-300484-I-2-C MSD	15	0.202	11.1	3/22/2024@10:25:40 PM
460-300484-I-1-A	16	7.43e-4	0.133	3/22/2024@10:26:34 PM
460-300484-I-3-A	17	4.11e-3	0.316	3/22/2024@10:27:26 PM
460-300484-I-4-A	18	3.26e-3	0.270	3/22/2024@10:28:20 PM
460-300349-I-1-A	19	1.23e-4	0.0989	3/22/2024@10:29:13 PM
460-300349-I-2-A	20	2.18e-3	0.211	3/22/2024@10:30:05 PM
CCV	S8	0.204	11.2	3/22/2024@10:30:57 PM
Known Conc:		0.200		
CCB	S9	-1.12e-3	0.0315	3/22/2024@10:33:49 PM
Known Conc:		0.00		
460-300349-I-3-A	21	0.0135	0.828	3/22/2024@10:34:41 PM
460-300349-I-4-A	22	9.61e-4	0.145	3/22/2024@10:35:34 PM
460-297254-E-5-B	23	9.74e-3	0.622	3/22/2024@10:36:26 PM
460-300313-A-1-A	24	0.0375	2.13	3/22/2024@10:37:18 PM
460-300055-C-1-A	25	0.0114	0.715	3/22/2024@10:38:10 PM
460-300055-C-1-B MS	26	0.218	11.9	3/22/2024@10:39:02 PM
460-300055-C-1-C MSD	27	0.214	11.7	3/22/2024@10:39:53 PM
460-300055-C-1-D DU	28	0.0116	0.722	3/22/2024@10:40:45 PM
460-300089-A-2-A	29	1.40e-3	0.168	3/22/2024@10:41:37 PM
460-300089-A-6-A	30	2.21e-3	0.213	3/22/2024@10:42:29 PM
CCV	S8	0.206	11.3	3/22/2024@10:43:21 PM
Known Conc:		0.200		
CCB	S9	-1.32e-3	0.0202	3/22/2024@10:46:12 PM
Known Conc:		0.00		
460-299986-L-1-A	31	1.70e-3	0.185	3/22/2024@10:47:05 PM
460-299986-L-3-A	32	-9.25e-4	0.0418	3/22/2024@10:47:59 PM
460-299986-L-5-A	33	1.87e-3	0.194	3/22/2024@10:48:52 PM
460-300024-C-1-A	34	3.75e-4	0.113	3/22/2024@10:49:45 PM
460-300108-A-3-A	35	5.01e-4	0.120	3/22/2024@10:50:38 PM
460-299936-A-1-A	36	3.68e-3	0.292	3/22/2024@10:51:31 PM
460-299932-A-1-A	37	3.20e-3	0.267	3/22/2024@10:52:23 PM
460-297254-E-5-C DU	38	8.74e-3	0.568	3/22/2024@10:53:16 PM
MB 460-965466/1-A	39	-1.31e-3	0.0211	3/22/2024@10:54:08 PM
LCSSRM 460-965466/2-A @ 20	40	0.178	9.76	3/22/2024@10:55:00 PM
CCV	S8	0.208	11.4	3/22/2024@10:55:52 PM
Known Conc:		0.200		
CCB	S9	-1.35e-3	0.0190	3/22/2024@10:58:43 PM
Known Conc:		0.00		
460-300332-E-1-E	41	0.280	15.4	3/22/2024@10:59:35 PM

460-300332-E-1-F MS	42	0.215	11.8	3/22/2024@11:00:27 PM
460-300332-E-1-G MSD	43	0.414	22.6	3/22/2024@11:01:19 PM
460-300332-E-2-A	44	0.359	19.7	3/22/2024@11:02:11 PM
460-300332-E-3-C	45	0.154	8.50	3/22/2024@11:03:02 PM
460-300332-E-4-A	46	6.99e-3	0.473	3/22/2024@11:03:55 PM
460-300332-E-5-A	47	2.05e-3	0.204	3/22/2024@11:04:49 PM
460-300332-E-6-A	48	0.0298	1.71	3/22/2024@11:05:42 PM
460-300332-E-7-C	49	0.247	13.5	3/22/2024@11:06:35 PM
460-300332-F-8-C	50	0.0601	3.36	3/22/2024@11:07:27 PM
CCV	S8	0.208	11.4	3/22/2024@11:08:19 PM
Known Conc:		0.200		
CCB	S9	-1.23e-3	0.0250	3/22/2024@11:11:10 PM
Known Conc:		0.00		
460-300332-E-9-C	51	0.0653	3.65	3/22/2024@11:12:03 PM
460-300341-D-1-B	52	1.18e-3	0.156	3/22/2024@11:12:55 PM
460-300341-D-2-B	53	6.05e-4	0.125	3/22/2024@11:13:48 PM
460-300341-D-2-C MS	54	0.123	6.81	3/22/2024@11:14:39 PM
460-300341-D-2-D MSD	55	0.197	10.8	3/22/2024@11:15:31 PM
460-300341-C-3-A	56	2.44e-4	0.105	3/22/2024@11:16:23 PM
460-300341-C-4-B	57	1.06e-3	0.150	3/22/2024@11:17:15 PM
460-300341-C-5-B	58	-7.19e-5	0.0883	3/22/2024@11:18:06 PM
460-300341-C-6-A	59	-1.10e-4	0.0862	3/22/2024@11:18:58 PM
460-300291-E-1-D	60	8.36e-4	0.138	3/22/2024@11:19:50 PM
CCV	S8	0.208	11.4	3/22/2024@11:20:42 PM
Known Conc:		0.200		
CCB	S9	-1.20e-3	0.0268	3/22/2024@11:23:34 PM
Known Conc:		0.00		
460-300292-E-1-A	61	-5.67e-4	0.0614	3/22/2024@11:24:27 PM
460-300292-E-2-A	62	-1.49e-4	0.0841	3/22/2024@11:25:21 PM
460-300298-G-1-A	63	0.0380	2.16	3/22/2024@11:26:14 PM
460-300324-E-1-N	64	3.43e-3	0.279	3/22/2024@11:27:07 PM
LCS 460-965540/13-A	65	0.102	5.67	3/22/2024@11:29:58 PM
460-300332-E-1-F MS @ 2	66	0.224	12.3	3/22/2024@11:30:51 PM
460-300332-E-1-G MSD @ 2	67	0.226	12.4	3/22/2024@11:31:43 PM
460-300341-D-2-C MS	68	0.211	11.6	3/22/2024@11:32:36 PM
CCV	S8	0.207	11.4	3/22/2024@11:33:27 PM
Known Conc:		0.200		
CCB	S9	0.0140	0.855	3/22/2024@11:36:19 PM
Known Conc:		0.00		

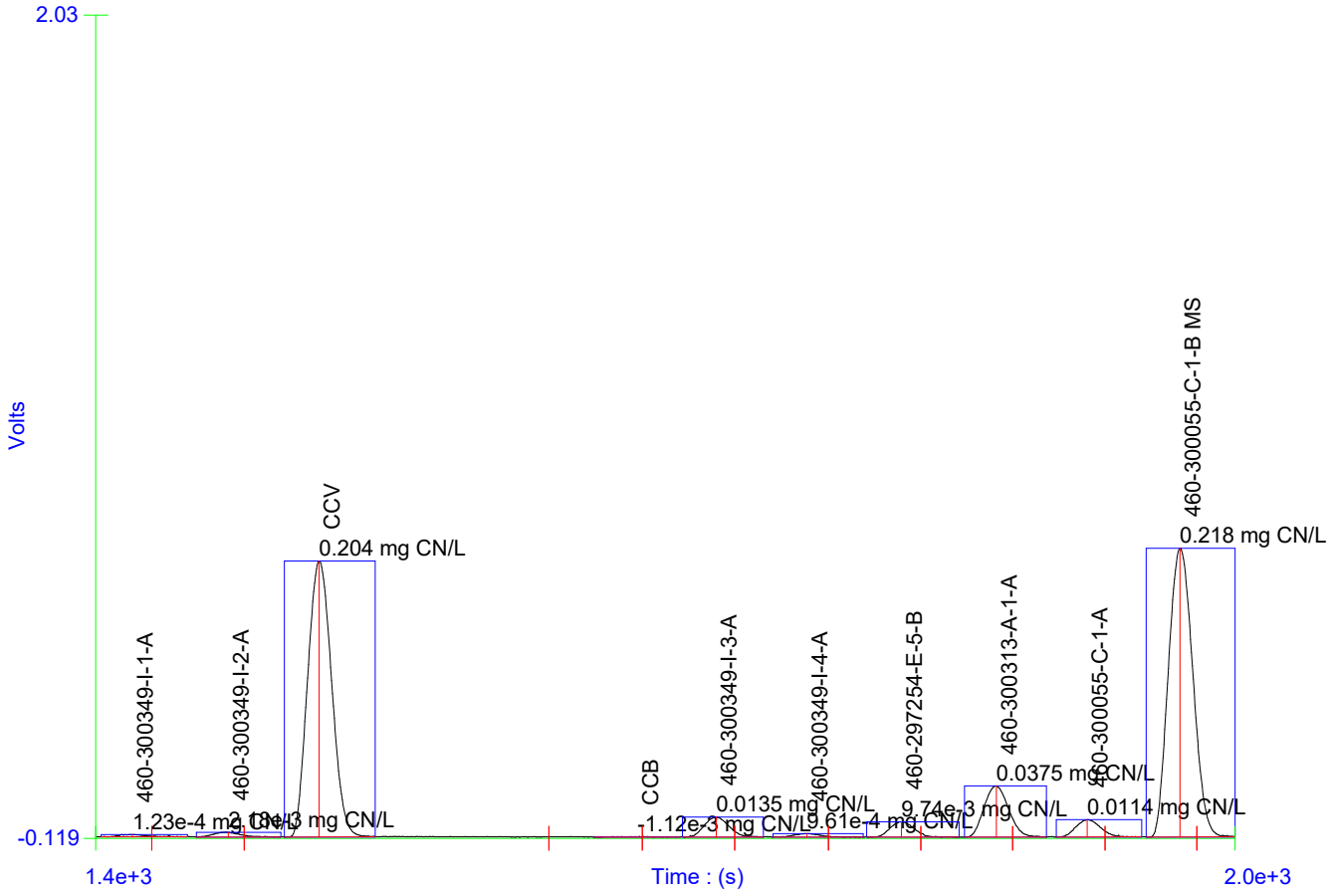
Channel 1 (Cyanide) - Set: 1 / 9



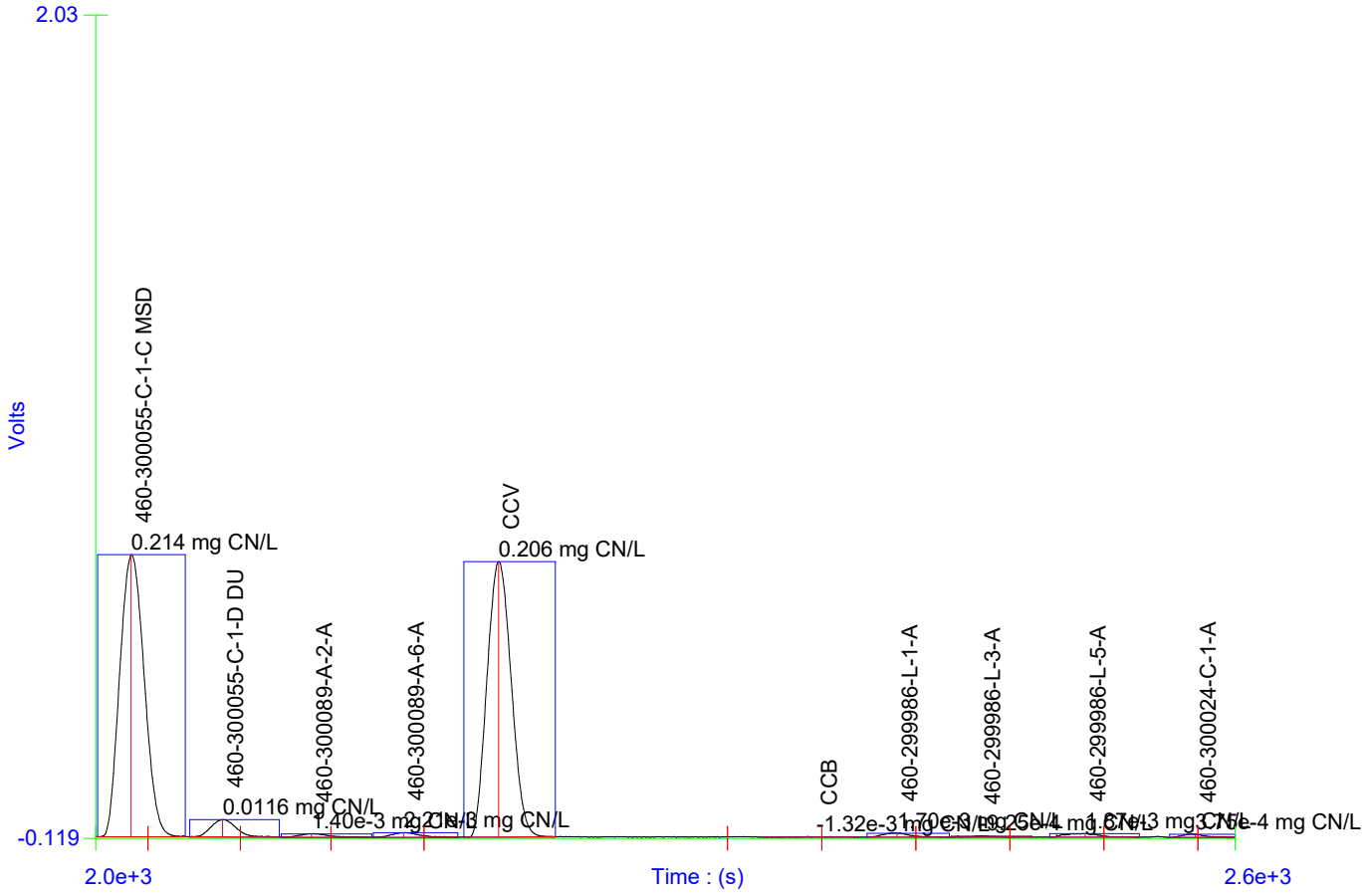
Channel 1 (Cyanide) - Set: 2 / 9



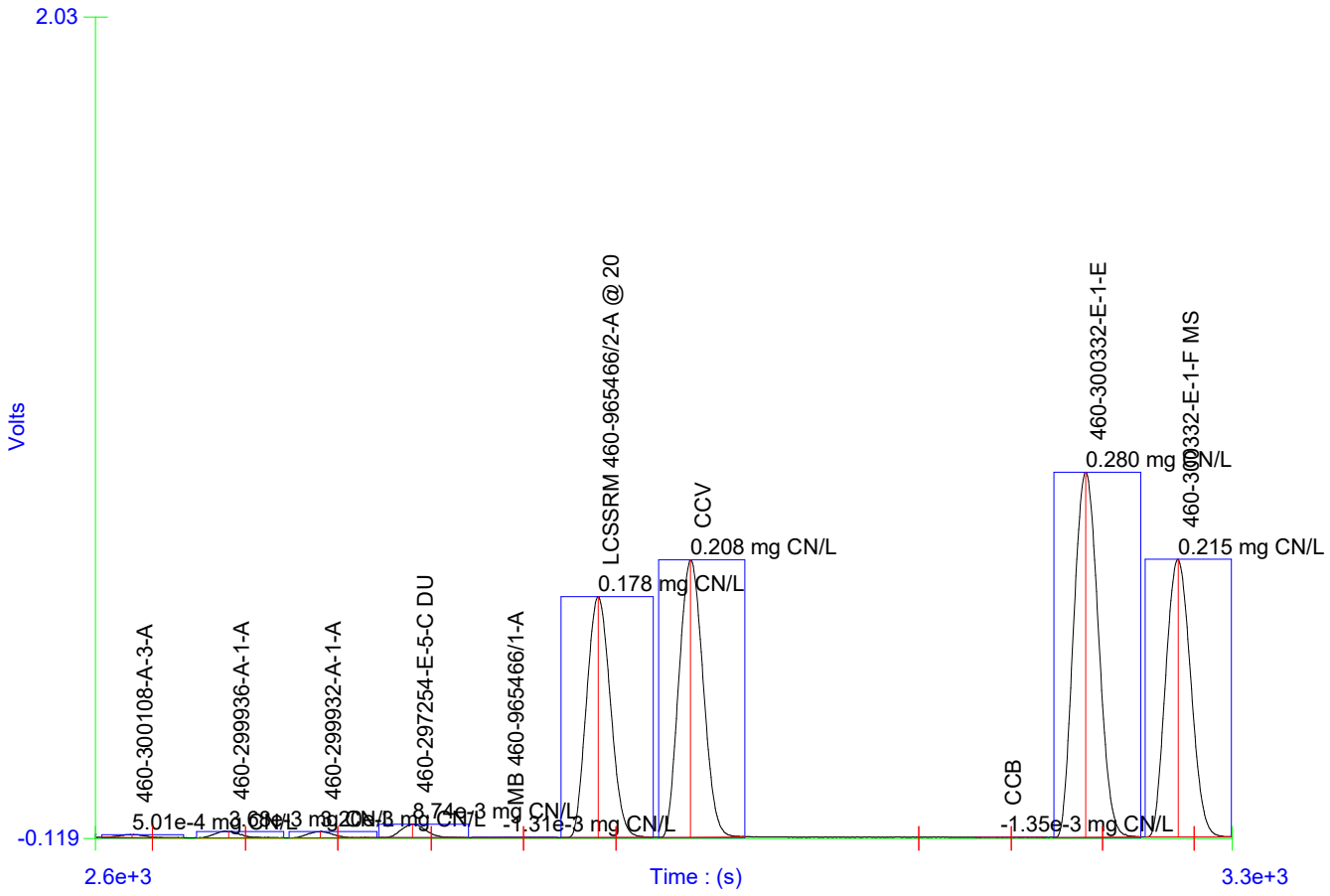
Channel 1 (Cyanide) - Set: 3 / 9



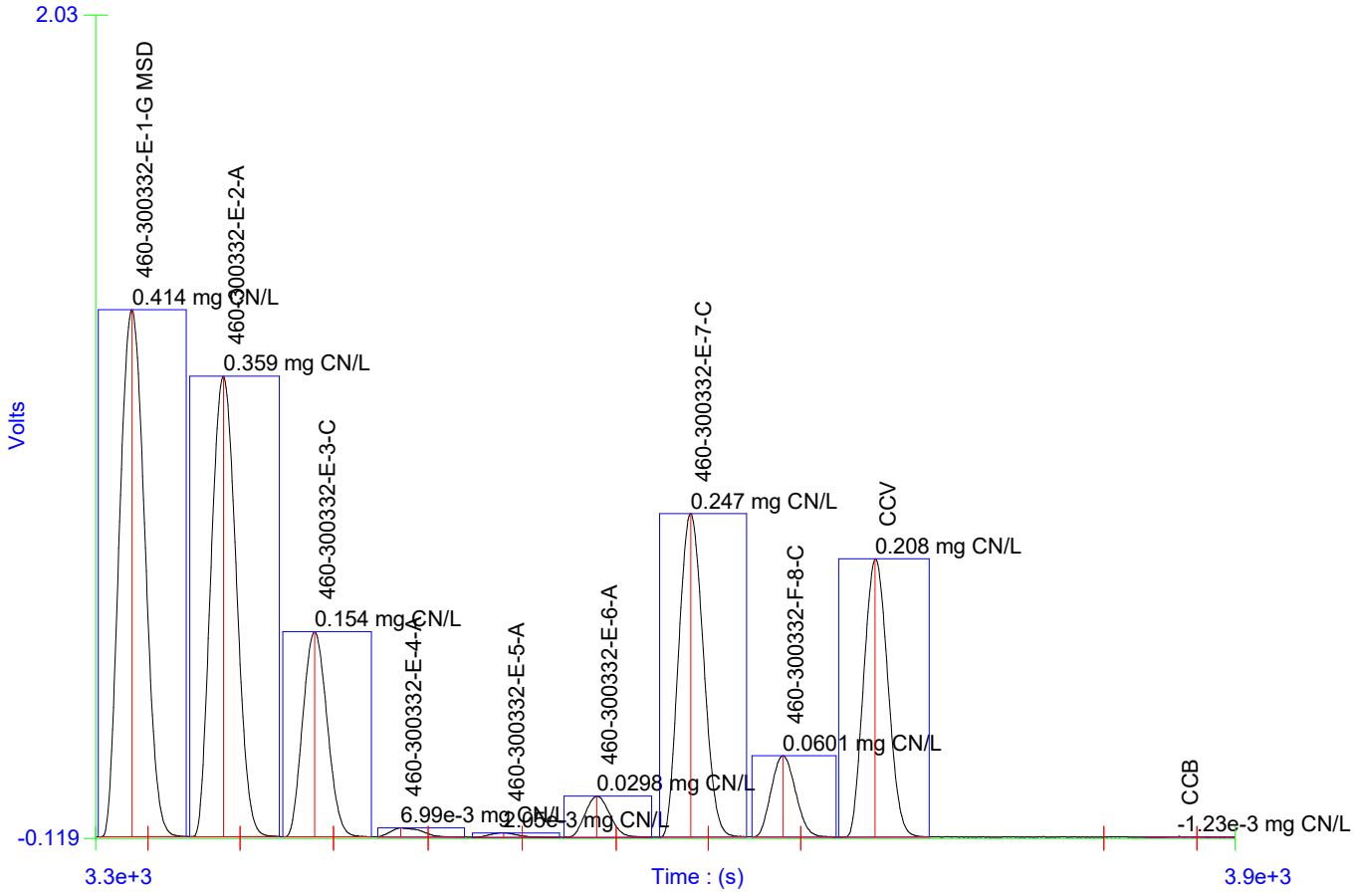
Channel 1 (Cyanide) - Set: 4 / 9



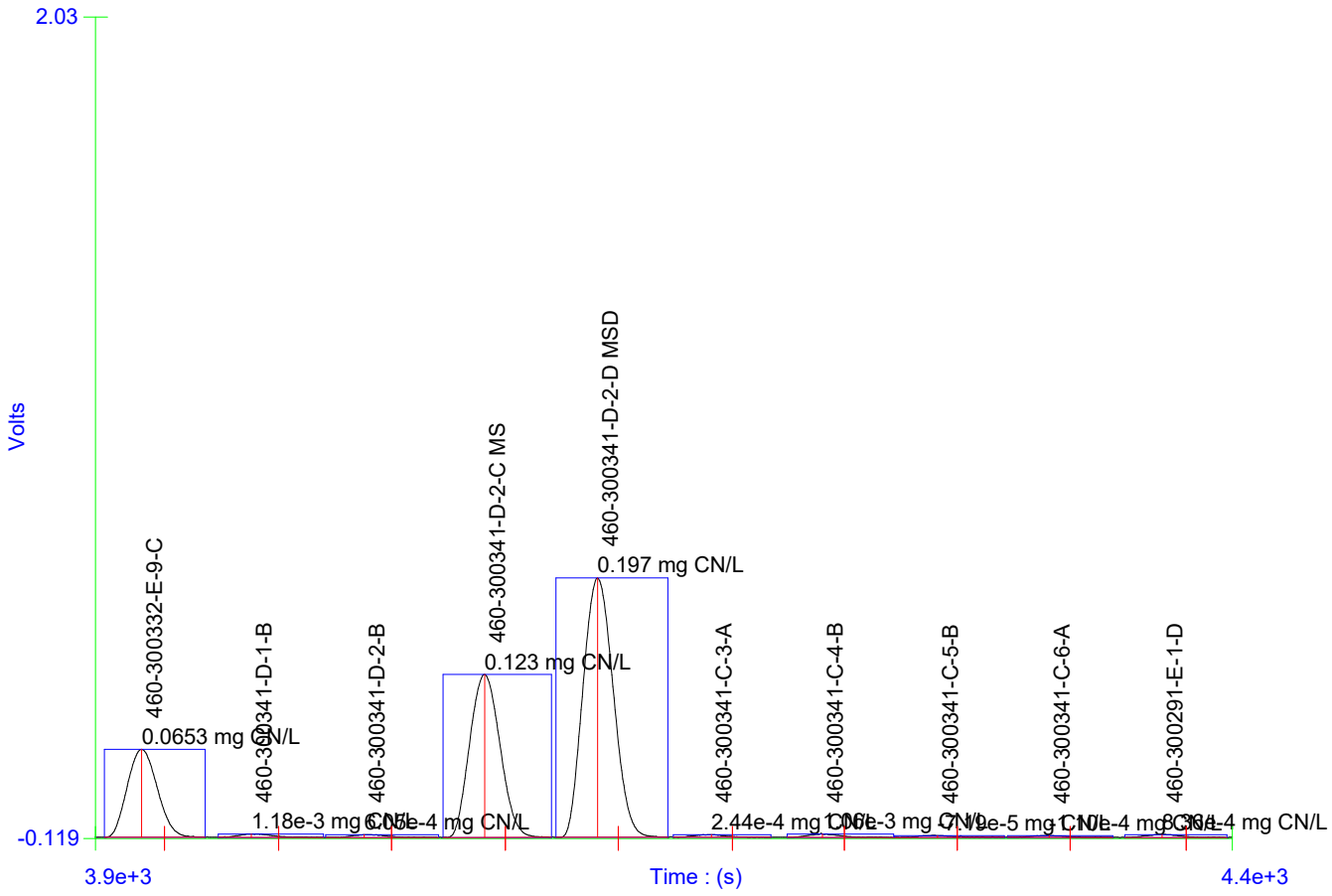
Channel 1 (Cyanide) - Set: 5 / 9



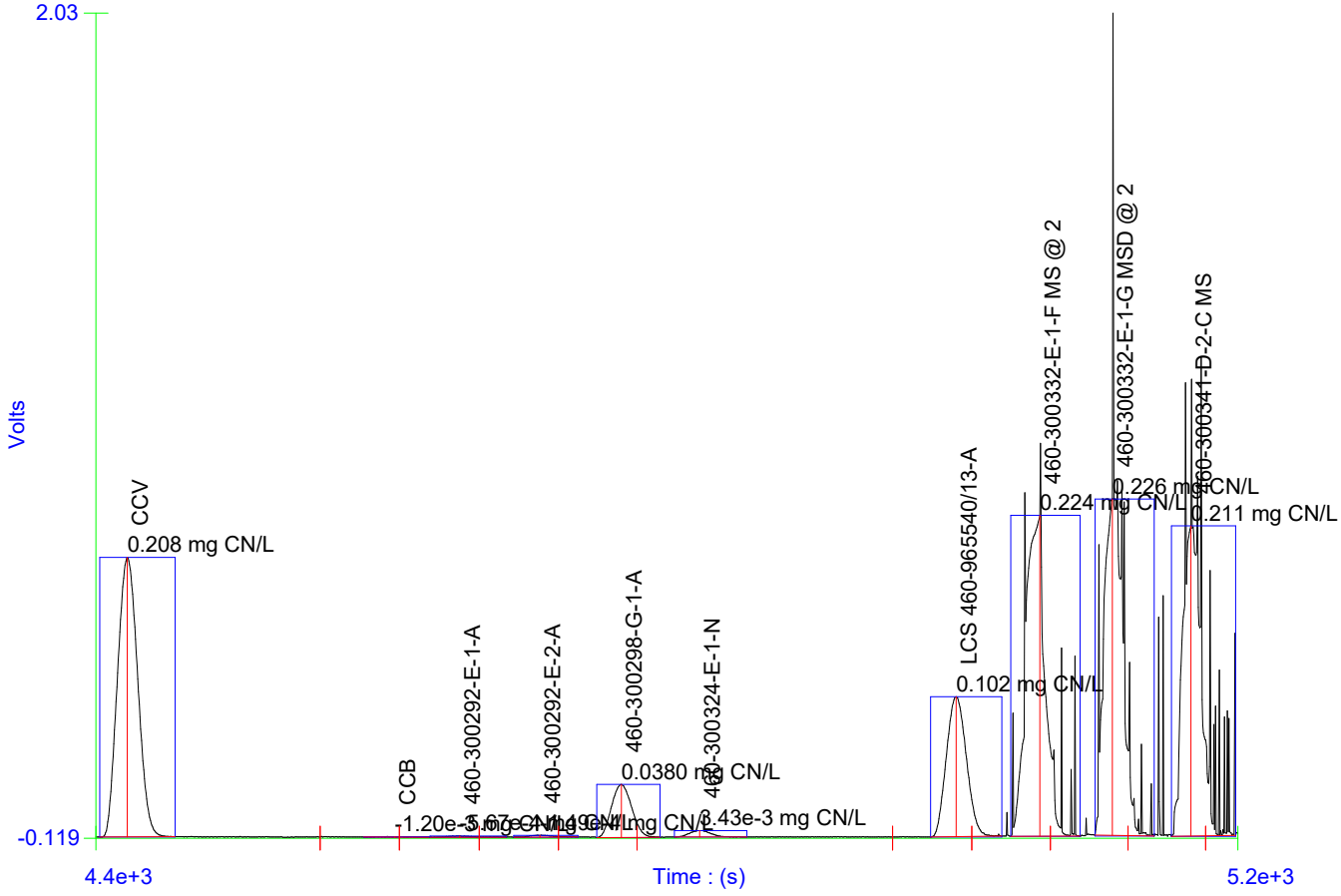
Channel 1 (Cyanide) - Set: 6 / 9



Channel 1 (Cyanide) - Set: 7 / 9



Channel 1 (Cyanide) - Set: 8 / 9



Channel 1 (Cyanide) - Set: 9 / 9

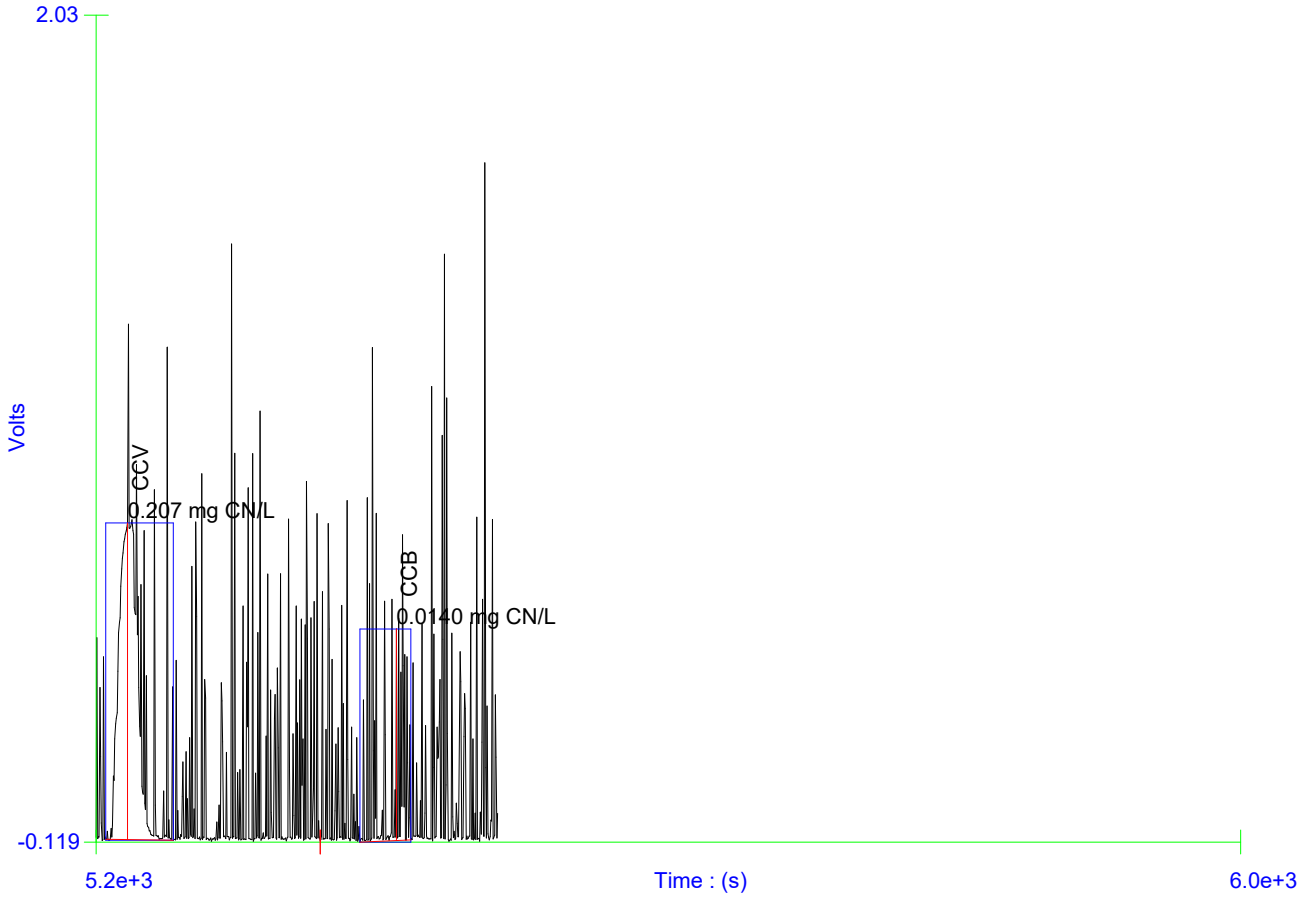


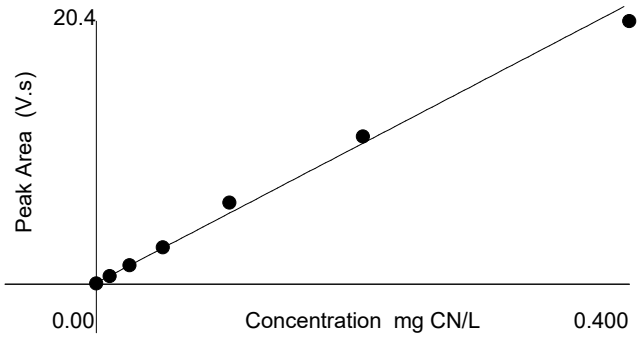
Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	20.4	1.28	0.0	6.2	0.373	3/22/2024	10:07:41 PM
2	0.200	1	11.4	0.738	0.0	-4.8	0.208	3/22/2024	10:08:34 PM
3	0.100	1	6.31	0.413	0.0	-14.6	0.114	3/22/2024	10:09:27 PM
4	0.0500	1	2.85	0.189	0.0	-1.7	0.0507	3/22/2024	10:10:24 PM
5	0.0250	1	1.44	0.0958	0.0	0.7	0.0248	3/22/2024	10:11:17 PM
6	0.0100	1	0.620	0.0403	0.0	3.2	9.70e-3	3/22/2024	10:12:10 PM
7	0.00	1	0.0422	1.69e-3			-9.19e-4	3/22/2024	10:13:02 PM

Author: EdiLachat

Date : 3/22/2024

Figure : 1 (Cyanide)



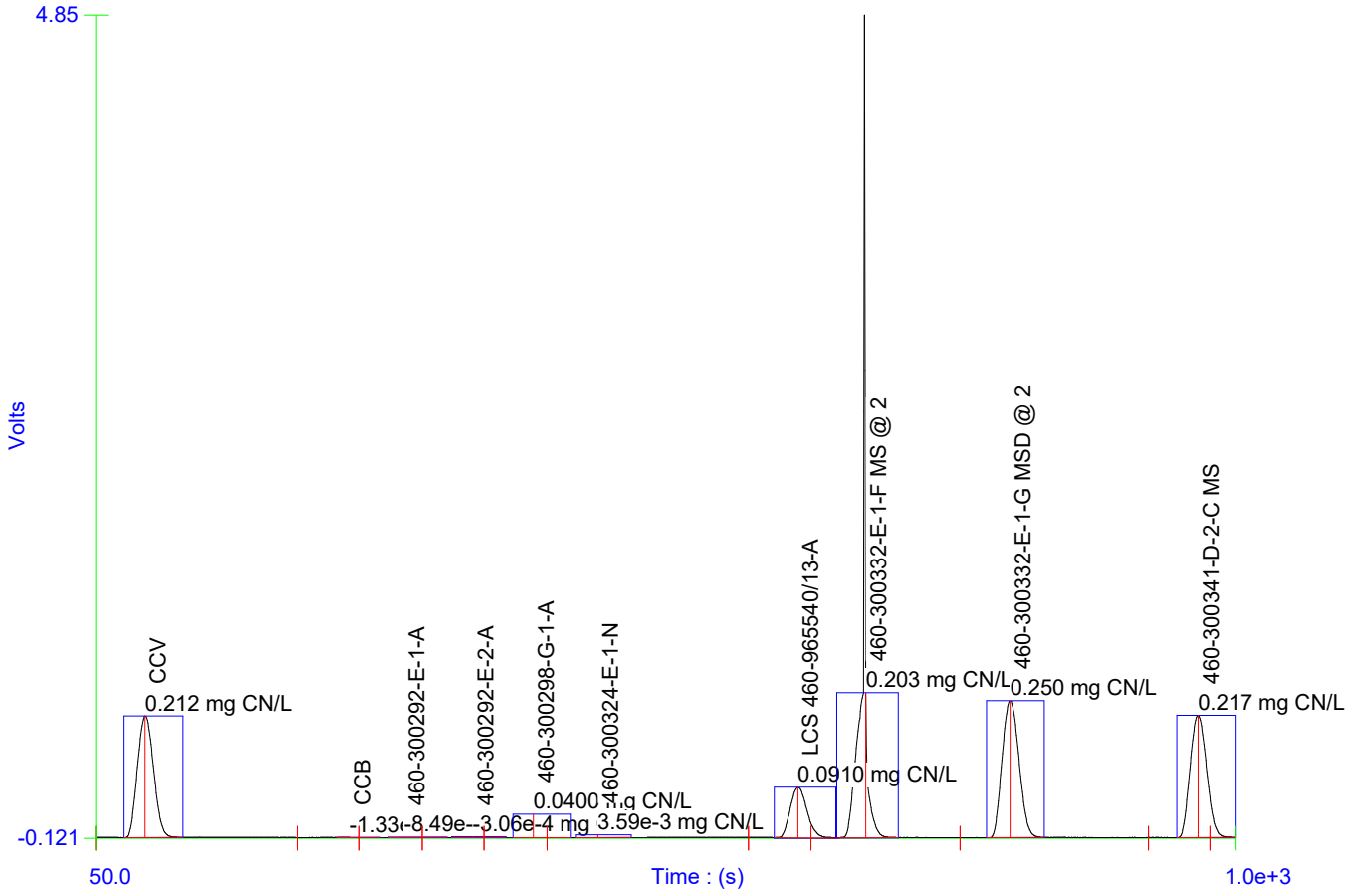
Area = 54.1 * Conc + 0.100
Conc = 0.0184 * Area - 1.69e-3
Correlation Coefficient (r) = 0.99925

Weighting : 1/x

Original Run Filename: OM_3-22-2024_11-42-49PM.OMN Created: 3/22/2024 11:42:49 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_3-22-2024_11-42-49PM.OMN Last Modified: 3/23/2024 12:05:46 AM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

Sample	Cup No.	Channel 1 Cyanide Conc. (mg CN/L)	Channel 1 Cyanide Area (V.s)	Detection Time
CCV	S8	0.212	11.6	3/22/2024@11:44:16 PM
Known Conc:		0.200		
Calibration:		Table/Fig. : 1		
CCB	S9	-1.33e-3	0.0198	3/22/2024@11:47:07 PM
Known Conc:		0.00		
460-300292-E-1-A	61	-8.49e-4	0.0460	3/22/2024@11:48:00 PM
460-300292-E-2-A	62	-3.06e-4	0.0756	3/22/2024@11:48:54 PM
460-300298-G-1-A	63	0.0400	2.27	3/22/2024@11:49:46 PM
460-300324-E-1-N	64	3.59e-3	0.287	3/22/2024@11:50:39 PM
LCS 460-965540/13-A	65	0.0910	5.05	3/22/2024@11:53:31 PM
460-300332-E-1-F MS @ 2	66	0.203	11.1	3/22/2024@11:54:24 PM
460-300332-E-1-G MSD @ 2	67	0.250	13.7	3/22/2024@11:56:31 PM
460-300341-D-2-C MS	68	0.217	11.9	3/22/2024@11:59:11 PM
460-300332-E-1-F MS @ 2	69	0.210	11.5	3/23/2024@12:00:03 AM
CCV	S8	0.209	11.5	3/23/2024@12:00:55 AM
Known Conc:		0.200		
CCB	S9	-1.30e-3	0.0214	3/23/2024@12:03:47 AM
Known Conc:		0.00		

Channel 1 (Cyanide) - Set: 1 / 2



Channel 1 (Cyanide) - Set: 2 / 2

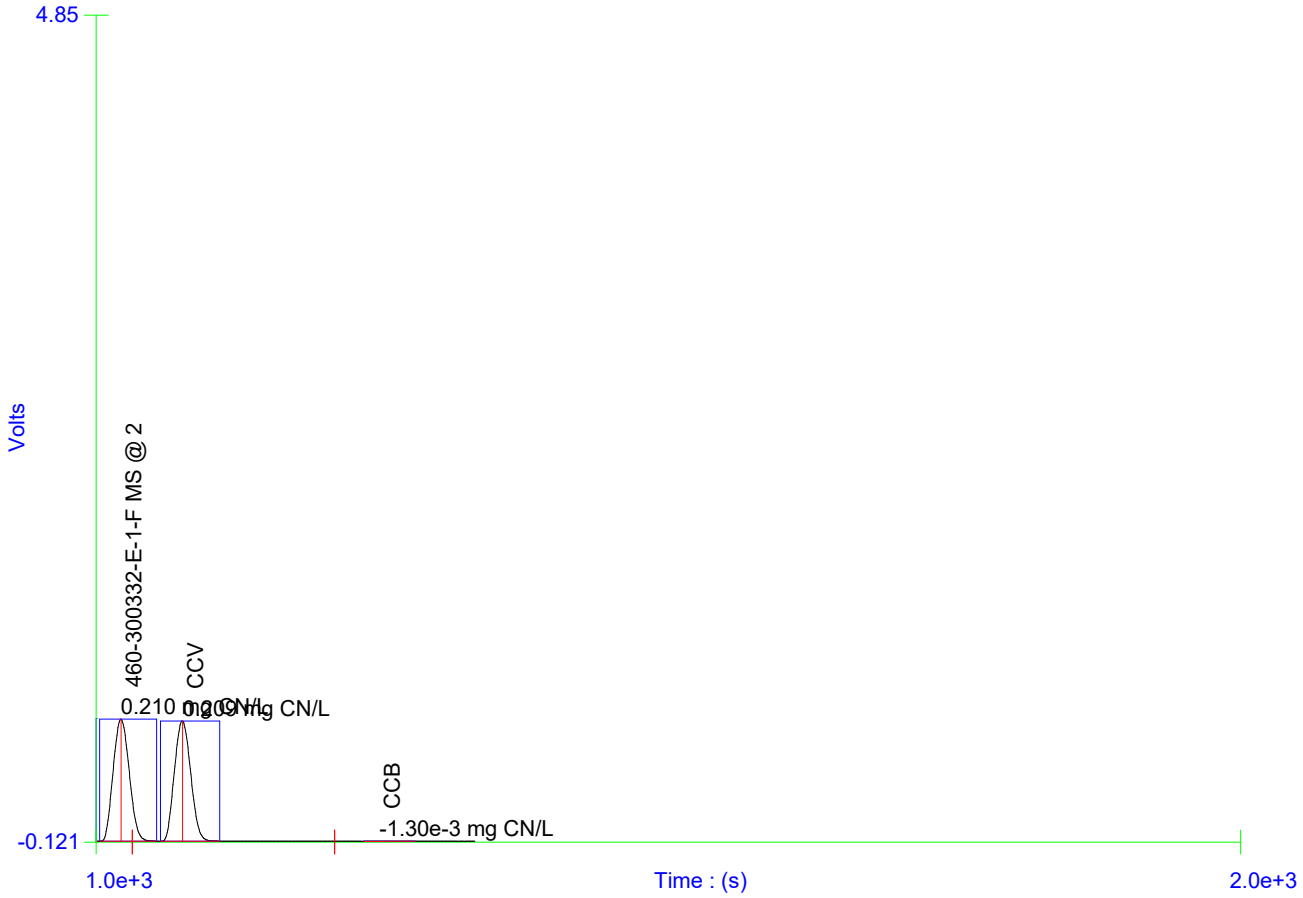


Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
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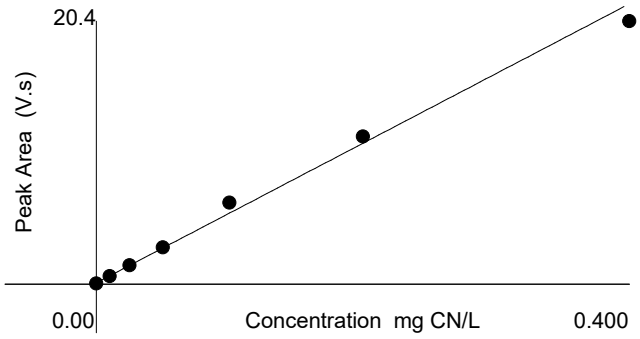
4	0.0500	1	2.85	0.189	0.0	-1.7	0.0507	3/22/2024	10:10:24 PM
5	0.0250	1	1.44	0.0958	0.0	0.7	0.0248	3/22/2024	10:11:17 PM
6	0.0100	1	0.620	0.0403	0.0	3.2	9.70e-3	3/22/2024	10:12:10 PM
7	0.00	1	0.0422	1.69e-3			-9.19e-4	3/22/2024	10:13:02 PM

Author: EdiLachat

Date : 3/23/2024

Figure : 1 (Cyanide)



Area = 54.1 * Conc + 0.100
Conc = 0.0184 * Area - 1.69e-3
Correlation Coefficient (r) = 0.99925

Weighting : 1/x

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965540 Batch Start Date: 03/22/24 17:55 Batch Analyst: Govekar, Vipul B

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	DistillpHCheck	WTcn6ppm_ICV 01147
CCV 460-965540/9		9012B, 9012B			6.0 mL	6.0 mL			>12	
ICV 460-965540/10		9012B, 9012B			6.0 mL	6.0 mL			>12	0.2 mL
MRL 460-965540/11		9012B, 9012B			6.0 mL	6.0 mL			>12	
MB 460-965540/12		9012B, 9012B			6.0 mL	6.0 mL			>12	
LCS 460-965540/13		9012B, 9012B			6.0 mL	6.0 mL			>12	
460-300484-I-2	MW-16R	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300484-I-2 MS	MW-16R	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300484-I-2 MSD	MW-16R	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300484-I-1	MW-12	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300484-I-3	MW-17R	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300484-I-4	DUP_03182024	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300055-C-1 DU		9012B, 9012B		T	6.0 mL	6.0 mL	N	N	>12	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WTcn6ppm_Pri 01170	WTcnCmplex-IM 01202				
CCV 460-965540/9		9012B, 9012B			0.2 mL					
ICV 460-965540/10		9012B, 9012B								
MRL 460-965540/11		9012B, 9012B			0.01 mL					
MB 460-965540/12		9012B, 9012B								
LCS 460-965540/13		9012B, 9012B				0.1 mL				
460-300484-I-2	MW-16R	9012B, 9012B	Water	T						
460-300484-I-2 MS	MW-16R	9012B, 9012B	Water	T		0.2 mL				
460-300484-I-2 MSD	MW-16R	9012B, 9012B	Water	T		0.2 mL				
460-300484-I-1	MW-12	9012B, 9012B	Water	T						

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300484-1

SDG No.:

Batch Number: 965540 Batch Start Date: 03/22/24 17:55 Batch Analyst: Govekar, Vipul B

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WTcn6ppm_Pri 01170	WTcnCmplex-IM 01202				
460-300484-I-3	MW-17R	9012B, 9012B	Water	T						
460-300484-I-4	DUP_03182024	9012B, 9012B	Water	T						
460-300055-C-1 DU		9012B, 9012B		T						

Batch Notes	
Balance ID	#86
Pipette/Syringe/Dispenser ID	P-04 & P-89 & P-80
Thermometer ID	N2
Distillation Temperature	start temp 121 end temp 121 Degrees C
Sodium Hydroxide ID	C - 2441-24 Exp 09/09/24
Sulfamic Acid ID	C - 2460-24 Exp 09/17/24
Sulfuric Acid Reagent ID Number	C - 2459-24 Exp 09/17/24
Distillation Start Time	03/22/2024 19:30
Distillation End Time	03/22/2024 20:00

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Eurofins Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Phone (732) 549-3679

Chain of Custody Record

eurofins

Client Information	Sampler: Clayton Sgamma	Lab PM: Melissa Haas	Carrier Tracking No(s):	COC No: 1
Client Contact: Lauren Dolginko	Phone: 631-786 3472	E-Mail: Mel.Jsa.Haas@et-eurofins.com	State of Origin: NY	Page: Page of 1
Company: Roux PPC	PWSID:			Job #: 300484
Address: 209 Shafter St	Due Date Requested:	Analysis Requested for		Preservation Codes: A HCL, B NaOH, C Zn Acetate, D Nitric Acid, E NaHSO4, F MeOH, G Amchlor, H Ascorbic Acid, I Ice, J DI Water, K EDTA, L EDA, M Hexane, N None, O AsNaO2, P Na2O4S, Q Na2SO3, R Na2S2O3, S H2SO4, T TSP Dodecahydrate, U Acetone, V MCAA, W pH 4-5, Y Trizma, Z other (specify), Other:
City: Islandia	TAT Requested (days): Standard 5 days			
State, Zip: NY, 11749	Compliance Project: Δ Yes Δ No			
Phone: 631-232-2600	PO #: 2705 0001Y009			
Email: ldolginko@rouxinc.com	WO #:			
Project Name: Powerhouse	Project #:			
Site: 2705-0001Y009	SSOW#:			

CAT B

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8270C - TCL BNA	8082A - PCBs	7470A - Mercury Liquid	7470A - Mercury	6010B RCRA 8 Metals Liquid	6020B RCRA 8 Metals Liquid	8260D TCL VOCs	9012B Cyanide Total	Total Number of containers	Special Instructions/Note:
			Preservation Code:													
MW-12	3/18/24	1350	G	W			X	X	X	X	X	X	X	X	10	
MW-16R	3/18/24	1055	G	W		X	X	X	X	X	X	X	X	X	30	MS/MSD (Orbiting Volume)
MW-17R	3/18/24	0830	G	W			X	X	X	X	X	X	X	X	10	
DUP-03182024	3/18/24	1200	G	W			X	X	X	X	X	X	X	X	10	

460-300484 Chain of Custody

5-Day RUSH

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
X Non-Hazard, Flammable, Skin Irritant, Poison B, Unknown, Radiological	Return To Client, Disposal By Lab, Archive For, Months
Deliverable Requested: I, II, III, IV, Other (specify)	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 3/18/24 1425	Company: Roux	Received by: Date/Time: 3/18/24 14:21 Company: FedEx
Relinquished by:	Date/Time:	Company:	Received by: Date/Time: 3/18/24 1700 Company:
Relinquished by:	Date/Time: 3/18/24 1700	Company: FedEx	Received by: Bhatti Date/Time: 3/18 19:00 Company: ETA
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.		Cooler Temperature(s) °C and Other Remarks:

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3/22/2024 12:01:22 PM

If 22 Jpg

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 300484

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	1.8 °C	2.2 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				✓											
2				✓											
3				✓											
4				✓											

If pH adjustments are required record the information below.

Sample No(s). adjusted: _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s) _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials. Lorraine Date: 3 28 24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-300484-1

Login Number: 300484
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Ms. Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia, New York 11749

Generated 3/27/2024 9:29:18 AM

JOB DESCRIPTION

Powerhouse, Brooklyn, NY

JOB NUMBER

460-300349-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
3/27/2024 9:29:18 AM

Authorized for release by
Warleny Infante, Project Management Assistant I
Warleny.Infante@et.eurofinsus.com
Designee for
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
(203)308-0880

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Client Sample Results 9
Lab Chronicle 25
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Method Summary 28
Sample Summary 29
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Receipt Checklists 32

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	Surrogate is outside acceptance limits.
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Powerhouse, Brooklyn, NY

Report Number: 460-300349-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 3/19/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.0º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 03/22/2024.

No difficulties were encountered during the Volatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 03/21/2024 and analyzed on 03/21/2024 and 03/22/2024.

Sample MW-10R (460-300349-3)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Surrogate recovery for the following samples were outside the upper control limit: MW-14 (460-300349-1) and MW-11 (460-300349-2). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) analyzed in batch 460-965308 was outside the method criteria for the following analyte(s): Benzaldehyde, Benzo[g,h,i]perylene and Dibenz(a,h)anthracene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-965213 and analytical batch 460-965308 recovered outside control limits for the following analytes: Atrazine. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-965372 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

2-Fluorophenol (Surr) and Phenol-d5 (Surr) failed the surrogate recovery criteria high for 460-300348-E-3-B MS.

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 460-300348-3 in batch 460-965308. Several analytes failed the recovery criteria high.

Several analytes failed the recovery criteria high for the MSD of sample 460-300348-3 in batch 460-965308. Several analytes exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared on 03/21/2024 and analyzed on 03/22/2024.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS - DISSOLVED)(ICP/MS)
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for Metals - Dissolved)(ICP/MS) in accordance with EPA SW-846 Method 6020B - Dissolved. The samples were prepared and analyzed on 03/26/2024.

No difficulties were encountered during the metals, diss. analysis.

All quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 03/21/2024 and analyzed on 03/23/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory. MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4)

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

MERCURY - DISSOLVED
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for mercury - Dissolved in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/22/2024.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY
Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/22/2024.

Job ID: 460-300349-1 (Continued) Eurofins Edison

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory. MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4).

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE

Samples MW-14 (460-300349-1), MW-11 (460-300349-2), MW-10R (460-300349-3) and MW-9 (460-300349-4) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 03/22/2024.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Client Sample ID: MW-14
Date Collected: 03/19/24 07:30
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 12:50	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 12:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 12:50	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 12:50	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 12:50	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 12:50	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 12:50	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 12:50	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 12:50	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 12:50	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 12:50	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 12:50	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 12:50	1
1,4-Dichlorobenzene	**0.33**	**J**	1.0	0.33	ug/L			03/22/24 12:50	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 12:50	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 12:50	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 12:50	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 12:50	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 12:50	1
Benzene	1.0	U	1.0	0.20	ug/L			03/22/24 12:50	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 12:50	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 12:50	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 12:50	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 12:50	1
Chlorobenzene	**1.7**		1.0	0.38	ug/L			03/22/24 12:50	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 12:50	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 12:50	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 12:50	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 12:50	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 12:50	1
cis-1,2-Dichloroethene	**0.86**	**J**	1.0	0.22	ug/L			03/22/24 12:50	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 12:50	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 12:50	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 12:50	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 12:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 12:50	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 12:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 12:50	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 12:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 12:50	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 12:50	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 12:50	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 12:50	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 12:50	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 12:50	1
Tetrachloroethene	**0.69**	**J**	1.0	0.25	ug/L			03/22/24 12:50	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 12:50	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 12:50	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 12:50	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Client Sample ID: MW-14
Date Collected: 03/19/24 07:30
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.80	J	1.0	0.31	ug/L			03/22/24 12:50	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 12:50	1
Vinyl chloride	0.57	J	1.0	0.17	ug/L			03/22/24 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*70 - 128*		*03/22/24 12:50*	*1*
4-Bromofluorobenzene	*88*		*76 - 120*		*03/22/24 12:50*	*1*
Dibromofluoromethane (Surr)	*95*		*77 - 132*		*03/22/24 12:50*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/22/24 12:50*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:38	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/21/24 10:21	03/21/24 22:38	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Methylphenol	10	U	10	0.67	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/21/24 10:21	03/21/24 22:38	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:38	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/21/24 10:21	03/21/24 22:38	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 22:38	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Methylphenol	10	U	10	0.65	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:38	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/21/24 10:21	03/21/24 22:38	1
Acenaphthene	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:38	1
Acenaphthylene	10	U	10	0.82	ug/L		03/21/24 10:21	03/21/24 22:38	1
Acetophenone	10	U	10	2.3	ug/L		03/21/24 10:21	03/21/24 22:38	1
Anthracene	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:38	1
Atrazine	2.0	U *	2.0	1.3	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzaldehyde	10	U	10	2.1	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/21/24 10:21	03/21/24 22:38	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/21/24 10:21	03/21/24 22:38	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-14
Lab Sample ID: 460-300349-1
Date Collected: 03/19/24 07:30
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/21/24 10:21	03/21/24 22:38	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/21/24 10:21	03/21/24 22:38	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 22:38	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/21/24 10:21	03/21/24 22:38	1
Caprolactam	10	U	10	2.2	ug/L		03/21/24 10:21	03/21/24 22:38	1
Carbazole	10	U	10	0.68	ug/L		03/21/24 10:21	03/21/24 22:38	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/21/24 10:21	03/21/24 22:38	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/21/24 10:21	03/21/24 22:38	1
Dibenzofuran	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:38	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/21/24 10:21	03/21/24 22:38	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/21/24 10:21	03/21/24 22:38	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/21/24 10:21	03/21/24 22:38	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:38	1
Fluoranthene	10	U	10	0.84	ug/L		03/21/24 10:21	03/21/24 22:38	1
Fluorene	10	U	10	0.91	ug/L		03/21/24 10:21	03/21/24 22:38	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/21/24 10:21	03/21/24 22:38	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/21/24 10:21	03/21/24 22:38	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/21/24 10:21	03/21/24 22:38	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 22:38	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/21/24 10:21	03/21/24 22:38	1
Isophorone	10	U	10	0.80	ug/L		03/21/24 10:21	03/21/24 22:38	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/21/24 10:21	03/21/24 22:38	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/21/24 10:21	03/21/24 22:38	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/21/24 10:21	03/21/24 22:38	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/21/24 10:21	03/21/24 22:38	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/21/24 10:21	03/21/24 22:38	1
Phenanthrene	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:38	1
Phenol	10	U	10	0.29	ug/L		03/21/24 10:21	03/21/24 22:38	1
Pyrene	10	U	10	1.6	ug/L		03/21/24 10:21	03/21/24 22:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*118*		*37 - 150*	*03/21/24 10:21*	*03/21/24 22:38*	*1*
2-Fluorobiphenyl	*120*		*46 - 139*	*03/21/24 10:21*	*03/21/24 22:38*	*1*
2-Fluorophenol (Surr)	*82*	*	*16 - 80*	*03/21/24 10:21*	*03/21/24 22:38*	*1*
Nitrobenzene-d5 (Surr)	*117*		*51 - 145*	*03/21/24 10:21*	*03/21/24 22:38*	*1*
Phenol-d5 (Surr)	*61*	*	*10 - 56*	*03/21/24 10:21*	*03/21/24 22:38*	*1*
Terphenyl-d14 (Surr)	*81*		*13 - 150*	*03/21/24 10:21*	*03/21/24 22:38*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1260	**0.62**		0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:32	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:32	1
Polychlorinated biphenyls, Total	**0.62**		0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:32	1

Client Sample ID: MW-14
Lab Sample ID: 460-300349-1
Date Collected: 03/19/24 07:30
Matrix: Water
Date Received: 03/19/24 19:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*10 - 150*	*03/21/24 11:01*	*03/22/24 12:32*	*1*
DCB Decachlorobiphenyl	*74*		*10 - 150*	*03/21/24 11:01*	*03/22/24 12:32*	*1*
Tetrachloro-m-xylene	*63*		*10 - 147*	*03/21/24 11:01*	*03/22/24 12:32*	*1*
Tetrachloro-m-xylene	*75*		*10 - 147*	*03/21/24 11:01*	*03/22/24 12:32*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.5**		2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:29	1
Barium	**57.7**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:29	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:29	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:29	1
Lead	**2.8**		1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:29	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:29	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:29	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.3**	**J**	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:16	1
Barium	**58.0**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:16	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:16	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:16	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:16	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:16	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:16	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:08	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:29	1

Client Sample ID: MW-11
Lab Sample ID: 460-300349-2
Date Collected: 03/19/24 08:45
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 08:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 08:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 08:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 08:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 08:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 08:17	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 08:17	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 08:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 08:17	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Client Sample ID: MW-11
Date Collected: 03/19/24 08:45
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 08:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 08:17	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 08:17	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 08:17	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/22/24 08:17	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 08:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 08:17	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 08:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 08:17	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 08:17	1
Benzene	1.0	U	1.0	0.20	ug/L			03/22/24 08:17	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 08:17	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 08:17	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 08:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 08:17	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/22/24 08:17	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 08:17	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 08:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 08:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 08:17	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 08:17	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 08:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 08:17	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 08:17	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 08:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 08:17	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 08:17	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 08:17	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 08:17	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 08:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 08:17	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 08:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 08:17	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 08:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 08:17	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 08:17	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 08:17	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 08:17	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 08:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 08:17	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 08:17	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 08:17	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 08:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*		*03/22/24 08:17*	*1*
4-Bromofluorobenzene	*97*		*76 - 120*		*03/22/24 08:17*	*1*
Dibromofluoromethane (Surr)	*107*		*77 - 132*		*03/22/24 08:17*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*03/22/24 08:17*	*1*

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-11
Lab Sample ID: 460-300349-2
Date Collected: 03/19/24 08:45
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:59	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/21/24 10:21	03/21/24 22:59	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Methylphenol	10	U	10	0.67	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/21/24 10:21	03/21/24 22:59	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:59	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/21/24 10:21	03/21/24 22:59	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 22:59	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Methylphenol	10	U	10	0.65	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 22:59	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/21/24 10:21	03/21/24 22:59	1
Acenaphthene	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:59	1
Acenaphthylene	10	U	10	0.82	ug/L		03/21/24 10:21	03/21/24 22:59	1
Acetophenone	10	U	10	2.3	ug/L		03/21/24 10:21	03/21/24 22:59	1
Anthracene	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:59	1
Atrazine	2.0	U *	2.0	1.3	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzaldehyde	10	U	10	2.1	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/21/24 10:21	03/21/24 22:59	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/21/24 10:21	03/21/24 22:59	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/21/24 10:21	03/21/24 22:59	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/21/24 10:21	03/21/24 22:59	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 22:59	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/21/24 10:21	03/21/24 22:59	1
Caprolactam	10	U	10	2.2	ug/L		03/21/24 10:21	03/21/24 22:59	1
Carbazole	10	U	10	0.68	ug/L		03/21/24 10:21	03/21/24 22:59	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/21/24 10:21	03/21/24 22:59	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/21/24 10:21	03/21/24 22:59	1
Dibenzofuran	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 22:59	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/21/24 10:21	03/21/24 22:59	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/21/24 10:21	03/21/24 22:59	1

Client Sample ID: MW-11
Date Collected: 03/19/24 08:45
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/21/24 10:21	03/21/24 22:59	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 22:59	1
Fluoranthene	10	U	10	0.84	ug/L		03/21/24 10:21	03/21/24 22:59	1
Fluorene	10	U	10	0.91	ug/L		03/21/24 10:21	03/21/24 22:59	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/21/24 10:21	03/21/24 22:59	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/21/24 10:21	03/21/24 22:59	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/21/24 10:21	03/21/24 22:59	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 22:59	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/21/24 10:21	03/21/24 22:59	1
Isophorone	10	U	10	0.80	ug/L		03/21/24 10:21	03/21/24 22:59	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/21/24 10:21	03/21/24 22:59	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/21/24 10:21	03/21/24 22:59	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/21/24 10:21	03/21/24 22:59	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/21/24 10:21	03/21/24 22:59	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/21/24 10:21	03/21/24 22:59	1
Phenanthrene	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 22:59	1
Phenol	10	U	10	0.29	ug/L		03/21/24 10:21	03/21/24 22:59	1
Pyrene	10	U	10	1.6	ug/L		03/21/24 10:21	03/21/24 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*127*		*37 - 150*	*03/21/24 10:21*	*03/21/24 22:59*	*1*
2-Fluorobiphenyl	*117*		*46 - 139*	*03/21/24 10:21*	*03/21/24 22:59*	*1*
2-Fluorophenol (Surr)	*81*	*	*16 - 80*	*03/21/24 10:21*	*03/21/24 22:59*	*1*
Nitrobenzene-d5 (Surr)	*120*		*51 - 145*	*03/21/24 10:21*	*03/21/24 22:59*	*1*
Phenol-d5 (Surr)	*61*	*	*10 - 56*	*03/21/24 10:21*	*03/21/24 22:59*	*1*
Terphenyl-d14 (Surr)	*83*		*13 - 150*	*03/21/24 10:21*	*03/21/24 22:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:49	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 12:49	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*03/21/24 11:01*	*03/22/24 12:49*	*1*
DCB Decachlorobiphenyl	*79*		*10 - 150*	*03/21/24 11:01*	*03/22/24 12:49*	*1*
Tetrachloro-m-xylene	*61*		*10 - 147*	*03/21/24 11:01*	*03/22/24 12:49*	*1*
Tetrachloro-m-xylene	*70*		*10 - 147*	*03/21/24 11:01*	*03/22/24 12:49*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**14.9**		2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:34	1
Barium	**173**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:34	1

Client Sample ID: MW-11
Lab Sample ID: 460-300349-2
Date Collected: 03/19/24 08:45
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:34	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:34	1
Lead	**1.7**		1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:34	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:34	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:34	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.3**	**J**	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:18	1
Barium	**135**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:18	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:18	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:18	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:18	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:18	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:18	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:10	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:30	1

Client Sample ID: MW-10R
Lab Sample ID: 460-300349-3
Date Collected: 03/19/24 10:05
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 08:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 08:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 08:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 08:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 08:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 08:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 08:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 08:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 08:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 08:38	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 08:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 08:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 08:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/22/24 08:38	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 08:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 08:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 08:38	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-10R
Lab Sample ID: 460-300349-3
Date Collected: 03/19/24 10:05
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 08:38	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 08:38	1
Benzene	**3.4**		1.0	0.20	ug/L			03/22/24 08:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 08:38	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 08:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 08:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 08:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/22/24 08:38	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 08:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 08:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 08:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 08:38	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 08:38	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 08:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 08:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 08:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 08:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 08:38	1
Ethylbenzene	**6.3**		1.0	0.30	ug/L			03/22/24 08:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 08:38	1
Isopropylbenzene	**6.1**		1.0	0.34	ug/L			03/22/24 08:38	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 08:38	1
Methyl tert-butyl ether	**0.34**	**J**	1.0	0.22	ug/L			03/22/24 08:38	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 08:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 08:38	1
m-Xylene & p-Xylene	**3.3**		1.0	0.30	ug/L			03/22/24 08:38	1
o-Xylene	**5.4**		1.0	0.36	ug/L			03/22/24 08:38	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 08:38	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 08:38	1
Toluene	**1.1**		1.0	0.38	ug/L			03/22/24 08:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 08:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 08:38	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 08:38	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 08:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 08:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 128*		*03/22/24 08:38*	*1*
4-Bromofluorobenzene	*92*		*76 - 120*		*03/22/24 08:38*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 132*		*03/22/24 08:38*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*03/22/24 08:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**18**		10	1.2	ug/L		03/21/24 10:21	03/21/24 23:20	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/21/24 10:21	03/21/24 23:20	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-10R
Lab Sample ID: 460-300349-3
Date Collected: 03/19/24 10:05
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/21/24 10:21	03/21/24 23:20	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Methylnaphthalene	**47**		10	0.53	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Methylphenol	10	U	10	0.67	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/21/24 10:21	03/21/24 23:20	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 23:20	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/21/24 10:21	03/21/24 23:20	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 23:20	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Methylphenol	10	U	10	0.65	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/21/24 10:21	03/21/24 23:20	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/21/24 10:21	03/21/24 23:20	1
Acenaphthylene	10	U	10	0.82	ug/L		03/21/24 10:21	03/21/24 23:20	1
Acetophenone	10	U	10	2.3	ug/L		03/21/24 10:21	03/21/24 23:20	1
Anthracene	**11**		10	1.3	ug/L		03/21/24 10:21	03/21/24 23:20	1
Atrazine	2.0	U *	2.0	1.3	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzaldehyde	10	U	10	2.1	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzo[a]anthracene	**1.3**		1.0	0.59	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzo[a]pyrene	**0.87**	**J**	1.0	0.41	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzo[b]fluoranthene	**0.82**	**J**	2.0	0.68	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/21/24 10:21	03/21/24 23:20	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/21/24 10:21	03/21/24 23:20	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/21/24 10:21	03/21/24 23:20	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/21/24 10:21	03/21/24 23:20	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 23:20	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/21/24 10:21	03/21/24 23:20	1
Caprolactam	10	U	10	2.2	ug/L		03/21/24 10:21	03/21/24 23:20	1
Carbazole	**2.8**	**J**	10	0.68	ug/L		03/21/24 10:21	03/21/24 23:20	1
Chrysene	**1.0**	**J**	2.0	0.91	ug/L		03/21/24 10:21	03/21/24 23:20	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/21/24 10:21	03/21/24 23:20	1
Dibenzofuran	**2.1**	**J**	10	1.1	ug/L		03/21/24 10:21	03/21/24 23:20	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/21/24 10:21	03/21/24 23:20	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/21/24 10:21	03/21/24 23:20	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/21/24 10:21	03/21/24 23:20	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/21/24 10:21	03/21/24 23:20	1
Fluoranthene	**16**		10	0.84	ug/L		03/21/24 10:21	03/21/24 23:20	1
Fluorene	**140**		10	0.91	ug/L		03/21/24 10:21	03/21/24 23:20	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/21/24 10:21	03/21/24 23:20	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/21/24 10:21	03/21/24 23:20	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/21/24 10:21	03/21/24 23:20	1

Client Sample ID: MW-10R
Lab Sample ID: 460-300349-3
Date Collected: 03/19/24 10:05
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/21/24 23:20	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/21/24 10:21	03/21/24 23:20	1
Isophorone	10	U	10	0.80	ug/L		03/21/24 10:21	03/21/24 23:20	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/21/24 10:21	03/21/24 23:20	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/21/24 10:21	03/21/24 23:20	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/21/24 10:21	03/21/24 23:20	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/21/24 10:21	03/21/24 23:20	1
Phenanthrene	**140**		10	1.3	ug/L		03/21/24 10:21	03/21/24 23:20	1
Phenol	10	U	10	0.29	ug/L		03/21/24 10:21	03/21/24 23:20	1
Pyrene	**22**		10	1.6	ug/L		03/21/24 10:21	03/21/24 23:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*132*		*37 - 150*	*03/21/24 10:21*	*03/21/24 23:20*	*1*
2-Fluorobiphenyl	*119*		*46 - 139*	*03/21/24 10:21*	*03/21/24 23:20*	*1*
2-Fluorophenol (Surr)	*63*		*16 - 80*	*03/21/24 10:21*	*03/21/24 23:20*	*1*
Nitrobenzene-d5 (Surr)	*120*		*51 - 145*	*03/21/24 10:21*	*03/21/24 23:20*	*1*
Phenol-d5 (Surr)	*52*		*10 - 56*	*03/21/24 10:21*	*03/21/24 23:20*	*1*
Terphenyl-d14 (Surr)	*82*		*13 - 150*	*03/21/24 10:21*	*03/21/24 23:20*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**310**		50	5.4	ug/L		03/21/24 10:21	03/22/24 05:43	5
Naphthalene	**680**		10	2.7	ug/L		03/21/24 10:21	03/22/24 05:43	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*37 - 150*	*03/21/24 10:21*	*03/22/24 05:43*	*5*
2-Fluorobiphenyl	*123*		*46 - 139*	*03/21/24 10:21*	*03/22/24 05:43*	*5*
2-Fluorophenol (Surr)	*60*		*16 - 80*	*03/21/24 10:21*	*03/22/24 05:43*	*5*
Nitrobenzene-d5 (Surr)	*122*		*51 - 145*	*03/21/24 10:21*	*03/22/24 05:43*	*5*
Phenol-d5 (Surr)	*49*		*10 - 56*	*03/21/24 10:21*	*03/22/24 05:43*	*5*
Terphenyl-d14 (Surr)	*80*		*13 - 150*	*03/21/24 10:21*	*03/22/24 05:43*	*5*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:05	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:05	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*10 - 150*	*03/21/24 11:01*	*03/22/24 13:05*	*1*
DCB Decachlorobiphenyl	*101*		*10 - 150*	*03/21/24 11:01*	*03/22/24 13:05*	*1*
Tetrachloro-m-xylene	*61*		*10 - 147*	*03/21/24 11:01*	*03/22/24 13:05*	*1*
Tetrachloro-m-xylene	*65*		*10 - 147*	*03/21/24 11:01*	*03/22/24 13:05*	*1*

Client Sample ID: MW-10R
Date Collected: 03/19/24 10:05
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:36	1
Barium	**79.3**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:36	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:36	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:36	1
Lead	**2.4**		1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:36	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:36	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:36	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:20	1
Barium	**69.1**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:20	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:20	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:20	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:20	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:20	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:20	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:12	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.014**		0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:34	1

Client Sample ID: MW-9
Date Collected: 03/19/24 11:50
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 09:00	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 09:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:00	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 09:00	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 09:00	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 09:00	1
1,2,3-Trichlorobenzene	**0.80**	**J**	1.0	0.36	ug/L			03/22/24 09:00	1
1,2,4-Trichlorobenzene	**3.5**		1.0	0.37	ug/L			03/22/24 09:00	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 09:00	1
1,2-Dichlorobenzene	**1.4**		1.0	0.21	ug/L			03/22/24 09:00	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 09:00	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 09:00	1
1,3-Dichlorobenzene	**26**		1.0	0.34	ug/L			03/22/24 09:00	1
1,4-Dichlorobenzene	**90**		1.0	0.33	ug/L			03/22/24 09:00	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 09:00	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-9
Lab Sample ID: 460-300349-4
Date Collected: 03/19/24 11:50
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 09:00	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 09:00	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 09:00	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 09:00	1
Benzene	**4.4**		1.0	0.20	ug/L			03/22/24 09:00	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 09:00	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 09:00	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 09:00	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 09:00	1
Chlorobenzene	**360**		1.0	0.38	ug/L			03/22/24 09:00	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 09:00	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 09:00	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:00	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 09:00	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 09:00	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 09:00	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:00	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 09:00	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 09:00	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 09:00	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 09:00	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 09:00	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 09:00	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 09:00	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 09:00	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 09:00	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 09:00	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 09:00	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 09:00	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 09:00	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 09:00	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 09:00	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 09:00	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 09:00	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 09:00	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 09:00	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 09:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 128*		*03/22/24 09:00*	*1*
4-Bromofluorobenzene	*107*		*76 - 120*		*03/22/24 09:00*	*1*
Dibromofluoromethane (Surr)	*108*		*77 - 132*		*03/22/24 09:00*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*03/22/24 09:00*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/21/24 10:21	03/22/24 11:45	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/22/24 11:45	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-9
Lab Sample ID: 460-300349-4
Date Collected: 03/19/24 11:50
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/21/24 10:21	03/22/24 11:45	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Methylphenol	10	U	10	0.67	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/21/24 10:21	03/22/24 11:45	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/21/24 10:21	03/22/24 11:45	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/21/24 10:21	03/22/24 11:45	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/22/24 11:45	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Methylphenol	10	U	10	0.65	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/21/24 10:21	03/22/24 11:45	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/21/24 10:21	03/22/24 11:45	1
Acenaphthene	**3.3**	**J**	10	1.1	ug/L		03/21/24 10:21	03/22/24 11:45	1
Acenaphthylene	10	U	10	0.82	ug/L		03/21/24 10:21	03/22/24 11:45	1
Acetophenone	10	U	10	2.3	ug/L		03/21/24 10:21	03/22/24 11:45	1
Anthracene	10	U	10	1.3	ug/L		03/21/24 10:21	03/22/24 11:45	1
Atrazine	2.0	U *	2.0	1.3	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzaldehyde	10	U	10	2.1	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/21/24 10:21	03/22/24 11:45	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/21/24 10:21	03/22/24 11:45	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/21/24 10:21	03/22/24 11:45	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/21/24 10:21	03/22/24 11:45	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/22/24 11:45	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/21/24 10:21	03/22/24 11:45	1
Caprolactam	10	U	10	2.2	ug/L		03/21/24 10:21	03/22/24 11:45	1
Carbazole	10	U	10	0.68	ug/L		03/21/24 10:21	03/22/24 11:45	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/21/24 10:21	03/22/24 11:45	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/21/24 10:21	03/22/24 11:45	1
Dibenzofuran	10	U	10	1.1	ug/L		03/21/24 10:21	03/22/24 11:45	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/21/24 10:21	03/22/24 11:45	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/21/24 10:21	03/22/24 11:45	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/21/24 10:21	03/22/24 11:45	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/21/24 10:21	03/22/24 11:45	1
Fluoranthene	10	U	10	0.84	ug/L		03/21/24 10:21	03/22/24 11:45	1
Fluorene	10	U	10	0.91	ug/L		03/21/24 10:21	03/22/24 11:45	1

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Client Sample ID: MW-9
Date Collected: 03/19/24 11:50
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-4
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/21/24 10:21	03/22/24 11:45	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/21/24 10:21	03/22/24 11:45	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/21/24 10:21	03/22/24 11:45	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/21/24 10:21	03/22/24 11:45	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/21/24 10:21	03/22/24 11:45	1
Isophorone	10	U	10	0.80	ug/L		03/21/24 10:21	03/22/24 11:45	1
Naphthalene	**1.5**	**J**	2.0	0.54	ug/L		03/21/24 10:21	03/22/24 11:45	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/21/24 10:21	03/22/24 11:45	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/21/24 10:21	03/22/24 11:45	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/21/24 10:21	03/22/24 11:45	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/21/24 10:21	03/22/24 11:45	1
Phenanthrene	10	U	10	1.3	ug/L		03/21/24 10:21	03/22/24 11:45	1
Phenol	10	U	10	0.29	ug/L		03/21/24 10:21	03/22/24 11:45	1
Pyrene	10	U	10	1.6	ug/L		03/21/24 10:21	03/22/24 11:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*100*		*37 - 150*	*03/21/24 10:21*	*03/22/24 11:45*	*1*
2-Fluorobiphenyl	*97*		*46 - 139*	*03/21/24 10:21*	*03/22/24 11:45*	*1*
2-Fluorophenol (Surr)	*68*		*16 - 80*	*03/21/24 10:21*	*03/22/24 11:45*	*1*
Nitrobenzene-d5 (Surr)	*97*		*51 - 145*	*03/21/24 10:21*	*03/22/24 11:45*	*1*
Phenol-d5 (Surr)	*51*		*10 - 56*	*03/21/24 10:21*	*03/22/24 11:45*	*1*
Terphenyl-d14 (Surr)	*70*		*13 - 150*	*03/21/24 10:21*	*03/22/24 11:45*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:22	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 11:01	03/22/24 13:22	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 11:01	03/22/24 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*03/21/24 11:01*	*03/22/24 13:22*	*1*
DCB Decachlorobiphenyl	*87*		*10 - 150*	*03/21/24 11:01*	*03/22/24 13:22*	*1*
Tetrachloro-m-xylene	*70*		*10 - 147*	*03/21/24 11:01*	*03/22/24 13:22*	*1*
Tetrachloro-m-xylene	*84*		*10 - 147*	*03/21/24 11:01*	*03/22/24 13:22*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**		2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:43	1
Barium	**124**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:43	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:43	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:43	1
Lead	1.2	U	1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:43	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:43	1

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-9
Lab Sample ID: 460-300349-4
Date Collected: 03/19/24 11:50
Matrix: Water
Date Received: 03/19/24 19:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:43	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.1**		2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:23	1
Barium	**134**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:23	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:23	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:23	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:23	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:23	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:23	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.38**		0.20	0.091	ug/L		03/22/24 13:12	03/22/24 15:13	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/22/24 14:59	03/22/24 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/22/24 17:56	03/22/24 22:35	1

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Client Sample ID: MW-14

Date Collected: 03/19/24 07:30
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965410	MZS	EET EDI	03/22/24 12:50
Total/NA	Prep	3510C			965213	NMP	EET EDI	03/21/24 10:21
Total/NA	Analysis	8270E		1	965308	MME	EET EDI	03/21/24 22:38
Total/NA	Prep	3510C			965122	JMS	EET EDI	03/21/24 11:01
Total/NA	Analysis	8082A		1	965368	JHP	EET EDI	03/22/24 12:32
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:16
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:29
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:41
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:08
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:29

Client Sample ID: MW-11

Date Collected: 03/19/24 08:45
Date Received: 03/19/24 19:00

Lab Sample ID: 460-300349-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965336	MZS	EET EDI	03/22/24 08:17
Total/NA	Prep	3510C			965213	NMP	EET EDI	03/21/24 10:21
Total/NA	Analysis	8270E		1	965308	MME	EET EDI	03/21/24 22:59
Total/NA	Prep	3510C			965122	JMS	EET EDI	03/21/24 11:01
Total/NA	Analysis	8082A		1	965368	JHP	EET EDI	03/22/24 12:49
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:18
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:34
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:46
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:10
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:30

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-10R
Lab Sample ID: 460-300349-3
Date Collected: 03/19/24 10:05
Matrix: Water
Date Received: 03/19/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965336	MZS	EET EDI	03/22/24 08:38
Total/NA	Prep	3510C			965213	NMP	EET EDI	03/21/24 10:21
Total/NA	Analysis	8270E		1	965308	MME	EET EDI	03/21/24 23:20
Total/NA	Prep	3510C	DL		965213	NMP	EET EDI	03/21/24 10:21
Total/NA	Analysis	8270E	DL	5	965308	MME	EET EDI	03/22/24 05:43
Total/NA	Prep	3510C			965122	JMS	EET EDI	03/21/24 11:01
Total/NA	Analysis	8082A		1	965368	JHP	EET EDI	03/22/24 13:05
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:20
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:36
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:48
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:12
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:34

Client Sample ID: MW-9
Lab Sample ID: 460-300349-4
Date Collected: 03/19/24 11:50
Matrix: Water
Date Received: 03/19/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965336	MZS	EET EDI	03/22/24 09:00
Total/NA	Prep	3510C			965213	NMP	EET EDI	03/21/24 10:21
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 11:45
Total/NA	Prep	3510C			965122	JMS	EET EDI	03/21/24 11:01
Total/NA	Analysis	8082A		1	965368	JHP	EET EDI	03/22/24 13:22
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:23
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:43
Dissolved	Filtration	FILTRATION			965498	RBS	EET EDI	03/22/24 13:22
Dissolved	Prep	7470A			965520	RBS	EET EDI	03/22/24 14:59
Dissolved	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:50
Total/NA	Prep	7470A			965497	RBS	EET EDI	03/22/24 13:12
Total/NA	Analysis	7470A		1	965534	RBS	EET EDI	03/22/24 15:13
Total/NA	Prep	9012B			965540	VBG	EET EDI	03/22/24 17:56
Total/NA	Analysis	9012B		1	965550	VBG	EET EDI	03/22/24 22:35

Laboratory References:
EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300349-1
Project/Site: Powerhouse, Brooklyn, NY

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300349-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-300349-1	MW-14	Water	03/19/24 07:30	03/19/24 19:00
460-300349-2	MW-11	Water	03/19/24 08:45	03/19/24 19:00
460-300349-3	MW-10R	Water	03/19/24 10:05	03/19/24 19:00
460-300349-4	MW-9	Water	03/19/24 11:50	03/19/24 19:00

Address: 322 3rd Avenue Brooklyn NY

Chain of Custody Record

611557 eurofins | Environment Testing America

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Lauren Dolgushkin	Site Contact: Clayton Salaman	Date: 3/19/2024	COC No: 1 of 1 COCs
Company Name: Rova PPC	Tel/Email: LDolgushkin@rovapc.com	Lab Contact: Melissa Frost	Carrier:	Sampler:
Address: 209 Shuffle St	Analysis Turnaround Time: ☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only: Walk-in Client: Lab Sampling:
City/State/Zip: Islandia NY 11749	TAT if different from Below: ☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day			Job / SDG No.: 300349
Phone: 631 232 2600				
Fax:				
Project Name: Powerhouse				
Site:				
PO# 2705000179009				

CAT B

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270C TCL BNA	8082A - PCBs	7470A - Mercury (Lab)	7470A - Mercury	6020B RCRA8 metals	6010B RCRA8 metals (Lab)	8260B TCL VOCs	9012B Cyanide, total	Sample Specific Notes.
MW-14	3/19/24	0730	6	W	10			X	X	X	X	X	X	X	X	
MW-11	3/19/24	0845	6	W	10			X	X	X	X	X	X	X	X	
MW-10R	3/19/24	1055	6	W	10			X	X	X	X	X	X	X	X	
MW-9	3/19/24	1150	6	W	10			X	X	X	X	X	X	X	X	

5-Day RUSH

460-300349 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments.

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd. _____ Corr'd: _____ Therm ID No. _____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
Clayton Salaman	Rova	3/19/24 1720			3/19/24 1650
	Company	Date/Time	Received by	Company	Date/Time
					3/19/24 1700
	Company	Date/Time: 3/19/24 1950	Received in Laboratory by	Company	Date/Time 3/19 1957

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3/27/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 300349

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	16 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2								>12			
2				<2								>12			
3				<2								>12			
4				<2								>12			

If pH adjustments are required record the information below:

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials _____ Date 3/19/24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-300349-1

Login Number: 300349
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

Generated 3/27/2024 11:47 AM

JOB DESCRIPTION

Powerhouse, Brooklyn, NY

JOB NUMBER

460-300430-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

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The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization

Generated
3/27/2024 11:47 AM

Authorized for release by
Warleny M Infante, Project Management Assistant I
Warleny.Infante@et.eurofinsus.com
Designee for
Melissa Haas, Senior Project Manager
Melissa.Haas@et.eurofinsus.com
203 308-0880

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: Powerhouse, Brooklyn, NY

Report Number: 460-300430-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 3/20/2024 8:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.0º C and 2.4º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 03/23/2024.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-965476 recovered outside control limits for the following analyte: 1,4-Dioxane. This analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared and analyzed on 03/22/2024 and 03/23/2024.

The continuing calibration verification (CCV) analyzed in batch 460-965598 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample and/or the laboratory control sample duplicate (LCS/LCSD) for preparation batch 460-965565 and analytical batch 460-965598 recovered outside control limits for the following analyte(s): 2,4-Dimethylphenol. These analytes have been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: MW-15 (460-300430-2) and MW-13 (460-300430-3). These results have been reported and qualified.

The continuing calibration verification (CCV) analyzed in batch 460-965372 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-965547 was outside the method criteria for the following analyte(s): Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low for the MS of sample 460-300484-2 in batch 460-965372. Several analytes failed the recovery criteria high.

For the MSD of sample 460-300484-2 in batch 460-965372, 3,3'-Dichlorobenzidine and 4-Chloroaniline failed the recovery criteria low. Several analytes failed the recovery criteria high. Also, 4-Chloroaniline exceeded the RPD limit.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A. The samples were prepared and analyzed on 03/22/2024.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS - DISSOLVED)(ICP/MS)
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for Metals - Dissolved)(ICP/MS) in accordance with EPA SW-846 Method 6020B - Dissolved. The samples were prepared and analyzed on 03/26/2024.

No difficulties were encountered during the metals, diss. analysis.

All quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 03/21/2024 and analyzed on 03/23/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 6020B. The samples were filtered prior to analysis at the laboratory. MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3)

No difficulties were encountered during the metals analysis.

All quality control parameters were within the acceptance limits.

MERCURY - DISSOLVED
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for mercury - Dissolved in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/26/2024.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

MERCURY
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 03/26/2024.

The following samples were not filtered and preserved within 15 minutes of sample collection in accordance with 40 CFR Part 136 Table II, Footnote 7, method 7470A. The samples were filtered prior to analysis at the laboratory. MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3)

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

TOTAL CYANIDE
Samples MW-18R (460-300430-1), MW-15 (460-300430-2) and MW-13 (460-300430-3) were analyzed for total cyanide in accordance with EPA SW-846 Method 9012B. The samples were prepared and analyzed on 03/24/2024.

No difficulties were encountered during the cyanide analysis.

All quality control parameters were within the acceptance limits.

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300430-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-300430-1	MW-18R	Water	03/20/24 08:00	03/20/24 20:00
460-300430-2	MW-15	Water	03/20/24 09:20	03/20/24 20:00
460-300430-3	MW-13	Water	03/20/24 11:05	03/20/24 20:00

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300430-1
Project/Site: Powerhouse, Brooklyn, NY

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.40	J	1.0	0.20	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.23	J	1.0	0.22	ug/L	1		8260D	Total/NA
Methyl tert-butyl ether	0.35	J	1.0	0.22	ug/L	1		8260D	Total/NA
Arsenic	9.6		2.0	1.2	ug/L	1		6020B	Total Recoverable
Barium	477		4.0	0.93	ug/L	1		6020B	Total Recoverable
Barium	352		4.0	0.93	ug/L	1		6020B	Dissolved
Cyanide, Total	0.0071	J	0.010	0.0040	mg/L	1		9012B	Total/NA

Client Sample ID: MW-15
Lab Sample ID: 460-300430-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,3-Trichlorobenzene	0.42	J	1.0	0.36	ug/L	1		8260D	Total/NA
1,2,4-Trichlorobenzene	1.6		1.0	0.37	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	1.6		1.0	0.21	ug/L	1		8260D	Total/NA
1,3-Dichlorobenzene	29		1.0	0.34	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	110		1.0	0.33	ug/L	1		8260D	Total/NA
Benzene	4.9		1.0	0.20	ug/L	1		8260D	Total/NA
Chlorobenzene	390		1.0	0.38	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.74	J	1.0	0.22	ug/L	1		8260D	Total/NA
Ethylbenzene	0.70	J	1.0	0.30	ug/L	1		8260D	Total/NA
Isopropylbenzene	0.37	J	1.0	0.34	ug/L	1		8260D	Total/NA
m-Xylene & p-Xylene	0.59	J	1.0	0.30	ug/L	1		8260D	Total/NA
Tetrachloroethene	1.7		1.0	0.25	ug/L	1		8260D	Total/NA
Toluene	0.54	J	1.0	0.38	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.28	J	1.0	0.24	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		1.0	0.31	ug/L	1		8260D	Total/NA
Vinyl chloride	0.36	J	1.0	0.17	ug/L	1		8260D	Total/NA
2-Methylnaphthalene	3.3	J	10	0.53	ug/L	1		8270E	Total/NA
2-Methylphenol	0.78	J	10	0.67	ug/L	1		8270E	Total/NA
4-Methylphenol	2.0	J	10	0.65	ug/L	1		8270E	Total/NA
Acenaphthene	5.1	J	10	1.1	ug/L	1		8270E	Total/NA
Carbazole	1.8	J	10	0.68	ug/L	1		8270E	Total/NA
Dibenzofuran	1.8	J	10	1.1	ug/L	1		8270E	Total/NA
Fluoranthene	0.88	J	10	0.84	ug/L	1		8270E	Total/NA
Fluorene	2.5	J	10	0.91	ug/L	1		8270E	Total/NA
Naphthalene	26		2.0	0.54	ug/L	1		8270E	Total/NA
Phenanthrene	4.7	J	10	1.3	ug/L	1		8270E	Total/NA
Barium	71.7		4.0	0.93	ug/L	1		6020B	Total Recoverable
Barium	77.9		4.0	0.93	ug/L	1		6020B	Dissolved

Client Sample ID: MW-13
Lab Sample ID: 460-300430-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Dichlorobenzene	0.45	J	1.0	0.34	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	0.77	J	1.0	0.33	ug/L	1		8260D	Total/NA
Chlorobenzene	11		1.0	0.38	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.72	J	1.0	0.22	ug/L	1		8260D	Total/NA
Arsenic	52.1		2.0	1.2	ug/L	1		6020B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-13 (Continued)
Lab Sample ID: 460-300430-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	11.6		4.0	0.93	ug/L	1		6020B	Total Recoverable
Lead	1.3		1.2	0.42	ug/L	1		6020B	Total Recoverable
Arsenic	13.0		2.0	1.2	ug/L	1		6020B	Dissolved
Barium	7.5		4.0	0.93	ug/L	1		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300430-1
Project/Site: Powerhouse, Brooklyn, NY

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7470A	Mercury (CVAA)	SW846	EET EDI
9012B	Cyanide, Total andor Amenable	SW846	EET EDI
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI
7470A	Preparation, Mercury	SW846	EET EDI
9012B	Cyanide, Total and/or Amenable, Distillation	SW846	EET EDI
FILTRATION	Sample Filtration	None	EET EDI

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: MW-18R
Date Collected: 03/20/24 08:00
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/23/24 01:38	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/23/24 01:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/23/24 01:38	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/23/24 01:38	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/23/24 01:38	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/23/24 01:38	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/23/24 01:38	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/23/24 01:38	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/23/24 01:38	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/23/24 01:38	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/23/24 01:38	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/23/24 01:38	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/23/24 01:38	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/23/24 01:38	1
1,4-Dioxane	50	U *	50	28	ug/L			03/23/24 01:38	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/23/24 01:38	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/23/24 01:38	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/23/24 01:38	1
Acetone	5.0	U	5.0	4.4	ug/L			03/23/24 01:38	1
Benzene	**0.40**	**J**	1.0	0.20	ug/L			03/23/24 01:38	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/23/24 01:38	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/23/24 01:38	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/23/24 01:38	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/23/24 01:38	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/23/24 01:38	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/23/24 01:38	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/23/24 01:38	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/23/24 01:38	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/23/24 01:38	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/23/24 01:38	1
cis-1,2-Dichloroethene	**0.23**	**J**	1.0	0.22	ug/L			03/23/24 01:38	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 01:38	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/23/24 01:38	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/23/24 01:38	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/23/24 01:38	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/23/24 01:38	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/23/24 01:38	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/23/24 01:38	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/23/24 01:38	1
Methyl tert-butyl ether	**0.35**	**J**	1.0	0.22	ug/L			03/23/24 01:38	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/23/24 01:38	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/23/24 01:38	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/23/24 01:38	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/23/24 01:38	1
Styrene	1.0	U	1.0	0.42	ug/L			03/23/24 01:38	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/23/24 01:38	1
Toluene	1.0	U	1.0	0.38	ug/L			03/23/24 01:38	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/23/24 01:38	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 01:38	1

Client Sample ID: MW-18R
Date Collected: 03/20/24 08:00
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/23/24 01:38	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/23/24 01:38	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/23/24 01:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*		*03/23/24 01:38*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*03/23/24 01:38*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 132*		*03/23/24 01:38*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*03/23/24 01:38*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 17:18	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4-Dimethylphenol	10	U *	10	0.62	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/23/24 07:39	03/23/24 17:18	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Methylphenol	10	U	10	0.67	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/23/24 07:39	03/23/24 17:18	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 17:18	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/23/24 07:39	03/23/24 17:18	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/23/24 07:39	03/23/24 17:18	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Methylphenol	10	U	10	0.65	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 17:18	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/23/24 07:39	03/23/24 17:18	1
Acenaphthene	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 17:18	1
Acenaphthylene	10	U	10	0.82	ug/L		03/23/24 07:39	03/23/24 17:18	1
Acetophenone	10	U	10	2.3	ug/L		03/23/24 07:39	03/23/24 17:18	1
Anthracene	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 17:18	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzaldehyde	10	U	10	2.1	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/23/24 07:39	03/23/24 17:18	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/23/24 07:39	03/23/24 17:18	1

Client Sample ID: MW-18R
Date Collected: 03/20/24 08:00
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-1
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/23/24 07:39	03/23/24 17:18	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/23/24 07:39	03/23/24 17:18	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/23/24 07:39	03/23/24 17:18	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/23/24 07:39	03/23/24 17:18	1
Caprolactam	10	U	10	2.2	ug/L		03/23/24 07:39	03/23/24 17:18	1
Carbazole	10	U	10	0.68	ug/L		03/23/24 07:39	03/23/24 17:18	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/23/24 07:39	03/23/24 17:18	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/23/24 07:39	03/23/24 17:18	1
Dibenzofuran	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 17:18	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/23/24 07:39	03/23/24 17:18	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/23/24 07:39	03/23/24 17:18	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/23/24 07:39	03/23/24 17:18	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 17:18	1
Fluoranthene	10	U	10	0.84	ug/L		03/23/24 07:39	03/23/24 17:18	1
Fluorene	10	U	10	0.91	ug/L		03/23/24 07:39	03/23/24 17:18	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/23/24 07:39	03/23/24 17:18	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/23/24 07:39	03/23/24 17:18	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/23/24 07:39	03/23/24 17:18	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/23/24 07:39	03/23/24 17:18	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/23/24 07:39	03/23/24 17:18	1
Isophorone	10	U	10	0.80	ug/L		03/23/24 07:39	03/23/24 17:18	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/23/24 07:39	03/23/24 17:18	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/23/24 07:39	03/23/24 17:18	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/23/24 07:39	03/23/24 17:18	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/23/24 07:39	03/23/24 17:18	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/23/24 07:39	03/23/24 17:18	1
Phenanthrene	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 17:18	1
Phenol	10	U	10	0.29	ug/L		03/23/24 07:39	03/23/24 17:18	1
Pyrene	10	U	10	1.6	ug/L		03/23/24 07:39	03/23/24 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*37 - 150*	*03/23/24 07:39*	*03/23/24 17:18*	*1*
2-Fluorobiphenyl	*89*		*46 - 139*	*03/23/24 07:39*	*03/23/24 17:18*	*1*
2-Fluorophenol (Surr)	*46*		*16 - 80*	*03/23/24 07:39*	*03/23/24 17:18*	*1*
Nitrobenzene-d5 (Surr)	*92*		*51 - 145*	*03/23/24 07:39*	*03/23/24 17:18*	*1*
Phenol-d5 (Surr)	*31*		*10 - 56*	*03/23/24 07:39*	*03/23/24 17:18*	*1*
Terphenyl-d14 (Surr)	*40*		*13 - 150*	*03/23/24 07:39*	*03/23/24 17:18*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 14:48	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 14:48	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 14:48	1

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1

Date Collected: 03/20/24 08:00
Matrix: Water
Date Received: 03/20/24 20:00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*10 - 150*	*03/22/24 08:44*	*03/22/24 14:48*	*1*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*03/22/24 08:44*	*03/22/24 14:48*	*1*
Tetrachloro-m-xylene	*70*		*10 - 147*	*03/22/24 08:44*	*03/22/24 14:48*	*1*
Tetrachloro-m-xylene	*84*		*10 - 147*	*03/22/24 08:44*	*03/22/24 14:48*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.6**		2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:53	1
Barium	**477**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:53	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:53	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:53	1
Lead	1.2	U	1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:53	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:53	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:53	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:25	1
Barium	**352**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:25	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:25	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:25	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:25	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:25	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:25	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 15:00	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 14:28	03/26/24 16:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	**0.0071**	**J**	0.010	0.0040	mg/L		03/24/24 12:08	03/24/24 15:52	1

Client Sample ID: MW-15
Lab Sample ID: 460-300430-2

Date Collected: 03/20/24 09:20
Matrix: Water
Date Received: 03/20/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/23/24 02:17	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/23/24 02:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/23/24 02:17	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/23/24 02:17	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/23/24 02:17	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/23/24 02:17	1
1,2,3-Trichlorobenzene	**0.42**	**J**	1.0	0.36	ug/L			03/23/24 02:17	1
1,2,4-Trichlorobenzene	**1.6**		1.0	0.37	ug/L			03/23/24 02:17	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/23/24 02:17	1

Client Sample ID: MW-15
Date Collected: 03/20/24 09:20
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	**1.6**		1.0	0.21	ug/L			03/23/24 02:17	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/23/24 02:17	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/23/24 02:17	1
1,3-Dichlorobenzene	**29**		1.0	0.34	ug/L			03/23/24 02:17	1
1,4-Dichlorobenzene	**110**		1.0	0.33	ug/L			03/23/24 02:17	1
1,4-Dioxane	50	U *	50	28	ug/L			03/23/24 02:17	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/23/24 02:17	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/23/24 02:17	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/23/24 02:17	1
Acetone	5.0	U	5.0	4.4	ug/L			03/23/24 02:17	1
Benzene	**4.9**		1.0	0.20	ug/L			03/23/24 02:17	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/23/24 02:17	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/23/24 02:17	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/23/24 02:17	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/23/24 02:17	1
Chlorobenzene	**390**		1.0	0.38	ug/L			03/23/24 02:17	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/23/24 02:17	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/23/24 02:17	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/23/24 02:17	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/23/24 02:17	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/23/24 02:17	1
cis-1,2-Dichloroethene	**0.74**	**J**	1.0	0.22	ug/L			03/23/24 02:17	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 02:17	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/23/24 02:17	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/23/24 02:17	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/23/24 02:17	1
Ethylbenzene	**0.70**	**J**	1.0	0.30	ug/L			03/23/24 02:17	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/23/24 02:17	1
Isopropylbenzene	**0.37**	**J**	1.0	0.34	ug/L			03/23/24 02:17	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/23/24 02:17	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/23/24 02:17	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/23/24 02:17	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/23/24 02:17	1
m-Xylene & p-Xylene	**0.59**	**J**	1.0	0.30	ug/L			03/23/24 02:17	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/23/24 02:17	1
Styrene	1.0	U	1.0	0.42	ug/L			03/23/24 02:17	1
Tetrachloroethene	**1.7**		1.0	0.25	ug/L			03/23/24 02:17	1
Toluene	**0.54**	**J**	1.0	0.38	ug/L			03/23/24 02:17	1
trans-1,2-Dichloroethene	**0.28**	**J**	1.0	0.24	ug/L			03/23/24 02:17	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 02:17	1
Trichloroethene	**1.9**		1.0	0.31	ug/L			03/23/24 02:17	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/23/24 02:17	1
Vinyl chloride	**0.36**	**J**	1.0	0.17	ug/L			03/23/24 02:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 128*		*03/23/24 02:17*	*1*
4-Bromofluorobenzene	*108*		*76 - 120*		*03/23/24 02:17*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 132*		*03/23/24 02:17*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/23/24 02:17*	*1*

Client Sample ID: MW-15
Date Collected: 03/20/24 09:20
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:37	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 15:37	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Methylnaphthalene	**3.3**	**J**	10	0.53	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Methylphenol	**0.78**	**J**	10	0.67	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 15:37	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:37	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 15:37	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 15:37	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Methylphenol	**2.0**	**J**	10	0.65	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:37	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 15:37	1
Acenaphthene	**5.1**	**J**	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:37	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 15:37	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 15:37	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:37	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 15:37	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 15:37	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 15:37	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 15:37	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 15:37	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 15:37	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 15:37	1
Carbazole	**1.8**	**J**	10	0.68	ug/L		03/22/24 09:13	03/22/24 15:37	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 15:37	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 15:37	1
Dibenzofuran	**1.8**	**J**	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:37	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 15:37	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 15:37	1

Client Sample ID: MW-15
Date Collected: 03/20/24 09:20
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-2
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 15:37	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:37	1
Fluoranthene	**0.88**	**J**	10	0.84	ug/L		03/22/24 09:13	03/22/24 15:37	1
Fluorene	**2.5**	**J**	10	0.91	ug/L		03/22/24 09:13	03/22/24 15:37	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 15:37	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 15:37	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 15:37	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 15:37	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 15:37	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 15:37	1
Naphthalene	**26**		2.0	0.54	ug/L		03/22/24 09:13	03/22/24 15:37	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 15:37	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 15:37	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 15:37	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 15:37	1
Phenanthrene	**4.7**	**J**	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:37	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 15:37	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*113*		*37 - 150*	*03/22/24 09:13*	*03/22/24 15:37*	*1*
2-Fluorobiphenyl	*103*		*46 - 139*	*03/22/24 09:13*	*03/22/24 15:37*	*1*
2-Fluorophenol (Surr)	*76*		*16 - 80*	*03/22/24 09:13*	*03/22/24 15:37*	*1*
Nitrobenzene-d5 (Surr)	*110*		*51 - 145*	*03/22/24 09:13*	*03/22/24 15:37*	*1*
Phenol-d5 (Surr)	*57*	*	*10 - 56*	*03/22/24 09:13*	*03/22/24 15:37*	*1*
Terphenyl-d14 (Surr)	*68*		*13 - 150*	*03/22/24 09:13*	*03/22/24 15:37*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:05	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:05	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*10 - 150*	*03/22/24 08:44*	*03/22/24 15:05*	*1*
DCB Decachlorobiphenyl	*108*		*10 - 150*	*03/22/24 08:44*	*03/22/24 15:05*	*1*
Tetrachloro-m-xylene	*83*		*10 - 147*	*03/22/24 08:44*	*03/22/24 15:05*	*1*
Tetrachloro-m-xylene	*88*		*10 - 147*	*03/22/24 08:44*	*03/22/24 15:05*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:55	1
Barium	**71.7**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:55	1

Client Sample ID: MW-15
Lab Sample ID: 460-300430-2

Date Collected: 03/20/24 09:20
Matrix: Water
Date Received: 03/20/24 20:00

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:55	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:55	1
Lead	1.2	U	1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:55	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:55	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:55	1

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:27	1
Barium	**77.9**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:27	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:27	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:27	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:27	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:27	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:27	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 15:02	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 14:28	03/26/24 16:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/24/24 12:08	03/24/24 15:50	1

Client Sample ID: MW-13
Lab Sample ID: 460-300430-3

Date Collected: 03/20/24 11:05
Matrix: Water
Date Received: 03/20/24 20:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/23/24 01:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/23/24 01:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/23/24 01:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/23/24 01:58	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/23/24 01:58	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/23/24 01:58	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/23/24 01:58	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/23/24 01:58	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/23/24 01:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/23/24 01:58	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/23/24 01:58	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/23/24 01:58	1
1,3-Dichlorobenzene	**0.45**	**J**	1.0	0.34	ug/L			03/23/24 01:58	1
1,4-Dichlorobenzene	**0.77**	**J**	1.0	0.33	ug/L			03/23/24 01:58	1
1,4-Dioxane	50	U *	50	28	ug/L			03/23/24 01:58	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/23/24 01:58	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/23/24 01:58	1

Client Sample ID: MW-13
Date Collected: 03/20/24 11:05
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-3
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/23/24 01:58	1
Acetone	5.0	U	5.0	4.4	ug/L			03/23/24 01:58	1
Benzene	1.0	U	1.0	0.20	ug/L			03/23/24 01:58	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/23/24 01:58	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/23/24 01:58	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/23/24 01:58	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/23/24 01:58	1
Chlorobenzene	**11**		1.0	0.38	ug/L			03/23/24 01:58	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/23/24 01:58	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/23/24 01:58	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/23/24 01:58	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/23/24 01:58	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/23/24 01:58	1
cis-1,2-Dichloroethene	**0.72**	**J**	1.0	0.22	ug/L			03/23/24 01:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 01:58	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/23/24 01:58	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/23/24 01:58	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/23/24 01:58	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/23/24 01:58	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/23/24 01:58	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/23/24 01:58	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/23/24 01:58	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/23/24 01:58	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/23/24 01:58	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/23/24 01:58	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/23/24 01:58	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/23/24 01:58	1
Styrene	1.0	U	1.0	0.42	ug/L			03/23/24 01:58	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/23/24 01:58	1
Toluene	1.0	U	1.0	0.38	ug/L			03/23/24 01:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/23/24 01:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/23/24 01:58	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/23/24 01:58	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/23/24 01:58	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/23/24 01:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*		*03/23/24 01:58*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*03/23/24 01:58*	*1*
Dibromofluoromethane (Surr)	*98*		*77 - 132*		*03/23/24 01:58*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*03/23/24 01:58*	*1*

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:59	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 15:59	1

Client Sample ID: MW-13
Date Collected: 03/20/24 11:05
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 15:59	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 15:59	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:59	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 15:59	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 15:59	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 15:59	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 15:59	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:59	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 15:59	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 15:59	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:59	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 15:59	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 15:59	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 15:59	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 15:59	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 15:59	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 15:59	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 15:59	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 15:59	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 15:59	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 15:59	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 15:59	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 15:59	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 15:59	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 15:59	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 15:59	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 15:59	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 15:59	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 15:59	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 15:59	1

Client Sample ID: MW-13
Date Collected: 03/20/24 11:05
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-3
Matrix: Water

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 15:59	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 15:59	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 15:59	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 15:59	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 15:59	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 15:59	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 15:59	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 15:59	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 15:59	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 15:59	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 15:59	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*114*		*37 - 150*	*03/22/24 09:13*	*03/22/24 15:59*	*1*
2-Fluorobiphenyl	*104*		*46 - 139*	*03/22/24 09:13*	*03/22/24 15:59*	*1*
2-Fluorophenol (Surr)	*78*		*16 - 80*	*03/22/24 09:13*	*03/22/24 15:59*	*1*
Nitrobenzene-d5 (Surr)	*114*		*51 - 145*	*03/22/24 09:13*	*03/22/24 15:59*	*1*
Phenol-d5 (Surr)	*58*	*	*10 - 56*	*03/22/24 09:13*	*03/22/24 15:59*	*1*
Terphenyl-d14 (Surr)	*67*		*13 - 150*	*03/22/24 09:13*	*03/22/24 15:59*	*1*

Method: SW846 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:22	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/22/24 08:44	03/22/24 15:22	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/22/24 08:44	03/22/24 15:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*100*		*10 - 150*	*03/22/24 08:44*	*03/22/24 15:22*	*1*
DCB Decachlorobiphenyl	*102*		*10 - 150*	*03/22/24 08:44*	*03/22/24 15:22*	*1*
Tetrachloro-m-xylene	*86*		*10 - 147*	*03/22/24 08:44*	*03/22/24 15:22*	*1*
Tetrachloro-m-xylene	*90*		*10 - 147*	*03/22/24 08:44*	*03/22/24 15:22*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**52.1**		2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:57	1
Barium	**11.6**		4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:57	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:57	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:57	1
Lead	**1.3**		1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:57	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:57	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:57	1

Client Sample ID: MW-13
Date Collected: 03/20/24 11:05
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-3
Matrix: Water

Method: SW846 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13.0**		2.0	1.2	ug/L		03/26/24 11:50	03/26/24 17:39	1
Barium	**7.5**		4.0	0.93	ug/L		03/26/24 11:50	03/26/24 17:39	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 17:39	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 17:39	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 17:39	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 17:39	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 17:39	1

Method: SW846 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 14:29	1

Method: SW846 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 14:28	03/26/24 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total (SW846 9012B)	0.010	U	0.010	0.0040	mg/L		03/24/24 12:08	03/24/24 15:51	1

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300430-1
Project/Site: Powerhouse, Brooklyn, NY

Method: 8260D - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-128)	(76-120)	(77-132)	(80-120)
460-300430-1	MW-18R	101	109	98	100
460-300430-2	MW-15	100	108	97	101
460-300430-3	MW-13	99	109	98	101
LCS 460-965476/3	Lab Control Sample	101	109	98	101
LCSD 460-965476/4	Lab Control Sample Dup	99	108	98	100
MB 460-965476/8	Method Blank	102	109	97	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(37-150)	(46-139)	(16-80)	(51-145)	(10-56)	(13-150)
460-300430-1	MW-18R	97	89	46	92	31	40
460-300430-2	MW-15	113	103	76	110	57 *	68
460-300430-3	MW-13	114	104	78	114	58 *	67
460-300484-D-2-C MS	Matrix Spike	111	103	72	113	53	75
460-300484-E-2-C MSD	Matrix Spike Duplicate	116	106	75	115	57 *	82
460-300522-E-4-B MS	Matrix Spike	94	88	45	93	30	48
460-300522-E-4-C MSD	Matrix Spike Duplicate	98	87	45	91	31	51
LCS 460-965454/17-A	Lab Control Sample	105	89	52	109	39	80
LCS 460-965565/2-A	Lab Control Sample	92	84	52	86	40	78
LCSD 460-965454/18-A	Lab Control Sample Dup	102	89	54	109	40	79
LCSD 460-965565/3-A	Lab Control Sample Dup	90	85	52	86	40	77
MB 460-965454/1-A	Method Blank	87	82	70	90	55	57
MB 460-965565/1-A	Method Blank	79	75	44	78	31	72

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1	DCBP2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-147)	(10-147)
460-300430-1	MW-18R	100	86	84	70
460-300430-2	MW-15	108	106	88	83
460-300430-3	MW-13	102	100	90	86
LCS 460-965331/2-A	Lab Control Sample	90	88	89	87

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300430-1
Project/Site: Powerhouse, Brooklyn, NY

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
		DCBP1	DCBP2	TCX1	TCX2				
Lab Sample ID	Client Sample ID	(10-150)	(10-150)	(10-147)	(10-147)				
LCSD 460-965331/3-A	Lab Control Sample Dup	88	86	86	81				
MB 460-965331/1-A	Method Blank	82	75	84	81				

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-965476/8
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			03/22/24 19:28	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			03/22/24 19:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			03/22/24 19:28	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			03/22/24 19:28	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			03/22/24 19:28	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			03/22/24 19:28	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			03/22/24 19:28	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			03/22/24 19:28	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			03/22/24 19:28	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			03/22/24 19:28	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			03/22/24 19:28	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			03/22/24 19:28	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			03/22/24 19:28	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			03/22/24 19:28	1
1,4-Dioxane	50	U	50	28	ug/L			03/22/24 19:28	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			03/22/24 19:28	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			03/22/24 19:28	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			03/22/24 19:28	1
Acetone	5.0	U	5.0	4.4	ug/L			03/22/24 19:28	1
Benzene	1.0	U	1.0	0.20	ug/L			03/22/24 19:28	1
Bromoform	1.0	U	1.0	0.54	ug/L			03/22/24 19:28	1
Bromomethane	1.0	U	1.0	0.55	ug/L			03/22/24 19:28	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			03/22/24 19:28	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			03/22/24 19:28	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			03/22/24 19:28	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			03/22/24 19:28	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			03/22/24 19:28	1
Chloroethane	1.0	U	1.0	0.32	ug/L			03/22/24 19:28	1
Chloroform	1.0	U	1.0	0.33	ug/L			03/22/24 19:28	1
Chloromethane	1.0	U	1.0	0.40	ug/L			03/22/24 19:28	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			03/22/24 19:28	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 19:28	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			03/22/24 19:28	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			03/22/24 19:28	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			03/22/24 19:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			03/22/24 19:28	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			03/22/24 19:28	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			03/22/24 19:28	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			03/22/24 19:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			03/22/24 19:28	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			03/22/24 19:28	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			03/22/24 19:28	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			03/22/24 19:28	1
o-Xylene	1.0	U	1.0	0.36	ug/L			03/22/24 19:28	1
Styrene	1.0	U	1.0	0.42	ug/L			03/22/24 19:28	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			03/22/24 19:28	1
Toluene	1.0	U	1.0	0.38	ug/L			03/22/24 19:28	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			03/22/24 19:28	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-965476/8
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			03/22/24 19:28	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			03/22/24 19:28	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			03/22/24 19:28	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			03/22/24 19:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 128*		*03/22/24 19:28*	*1*
4-Bromofluorobenzene	*109*		*76 - 120*		*03/22/24 19:28*	*1*
Dibromofluoromethane (Surr)	*97*		*77 - 132*		*03/22/24 19:28*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*03/22/24 19:28*	*1*

Lab Sample ID: LCS 460-965476/3
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	20.0	21.7		ug/L		108	72 - 128
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		95	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2		ug/L		106	51 - 142
1,1,2-Trichloroethane	20.0	21.1		ug/L		106	74 - 125
1,1-Dichloroethane	20.0	22.2		ug/L		111	73 - 130
1,1-Dichloroethene	20.0	21.6		ug/L		108	68 - 133
1,2,3-Trichlorobenzene	20.0	23.3		ug/L		117	52 - 120
1,2,4-Trichlorobenzene	20.0	23.5		ug/L		117	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	20.6		ug/L		103	58 - 132
1,2-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
1,2-Dichloroethane	20.0	21.3		ug/L		107	66 - 129
1,2-Dichloropropane	20.0	21.6		ug/L		108	68 - 128
1,3-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120
1,4-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120
1,4-Dioxane	400	551	*	ug/L		138	10 - 120
2-Butanone (MEK)	100	115		ug/L		115	61 - 142
2-Hexanone	100	112		ug/L		112	61 - 134
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	69 - 139
Acetone	100	112		ug/L		112	49 - 149
Benzene	20.0	22.2		ug/L		111	71 - 126
Bromoform	20.0	21.5		ug/L		107	58 - 136
Bromomethane	20.0	17.9		ug/L		90	10 - 120
Carbon disulfide	20.0	22.0		ug/L		110	68 - 138
Carbon tetrachloride	20.0	22.1		ug/L		110	65 - 142
Chlorobenzene	20.0	21.7		ug/L		108	80 - 120
Chlorobromomethane	20.0	22.5		ug/L		113	76 - 134
Chlorodibromomethane	20.0	20.9		ug/L		104	69 - 130
Chloroethane	20.0	18.0		ug/L		90	48 - 150
Chloroform	20.0	21.5		ug/L		108	78 - 125
Chloromethane	20.0	17.5		ug/L		87	43 - 140
cis-1,2-Dichloroethene	20.0	21.3		ug/L		106	78 - 121
cis-1,3-Dichloropropene	20.0	21.4		ug/L		107	74 - 125

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-965476/3
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyclohexane			20.0	23.3		ug/L		116	60 - 142		
Dichlorobromomethane			20.0	20.4		ug/L		102	76 - 121		
Dichlorodifluoromethane			20.0	17.7		ug/L		88	27 - 120		
Ethylbenzene			20.0	22.2		ug/L		111	78 - 120		
Ethylene Dibromide			20.0	21.2		ug/L		106	79 - 126		
Isopropylbenzene			20.0	22.4		ug/L		112	79 - 125		
Methyl acetate			40.0	40.3		ug/L		101	43 - 120		
Methyl tert-butyl ether			20.0	20.9		ug/L		105	72 - 131		
Methylcyclohexane			20.0	22.2		ug/L		111	49 - 149		
Methylene Chloride			20.0	22.6		ug/L		113	74 - 127		
m-Xylene & p-Xylene			20.0	22.1		ug/L		110	78 - 120		
o-Xylene			20.0	22.1		ug/L		110	78 - 120		
Styrene			20.0	22.2		ug/L		111	82 - 127		
Tetrachloroethene			20.0	22.6		ug/L		113	70 - 127		
Toluene			20.0	20.6		ug/L		103	78 - 120		
trans-1,2-Dichloroethene			20.0	22.1		ug/L		110	74 - 126		
trans-1,3-Dichloropropene			20.0	21.4		ug/L		107	66 - 127		
Trichloroethene			20.0	23.4		ug/L		117	51 - 121		
Trichlorofluoromethane			20.0	20.0		ug/L		100	50 - 120		
Vinyl chloride			20.0	19.2		ug/L		96	55 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 128*
4-Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 132*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-965476/4
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane			20.0	21.6		ug/L		108	72 - 128	0	30
1,1,2,2-Tetrachloroethane			20.0	21.1		ug/L		106	63 - 139	11	30
1,1,2-Trichloro-1,2,2-trifluoroethane			20.0	19.3		ug/L		96	51 - 142	10	30
1,1,2-Trichloroethane			20.0	21.0		ug/L		105	74 - 125	0	30
1,1-Dichloroethane			20.0	22.5		ug/L		112	73 - 130	1	30
1,1-Dichloroethene			20.0	21.6		ug/L		108	68 - 133	0	30
1,2,3-Trichlorobenzene			20.0	23.8		ug/L		119	52 - 120	2	30
1,2,4-Trichlorobenzene			20.0	24.4		ug/L		122	67 - 132	4	30
1,2-Dibromo-3-Chloropropane			20.0	20.8		ug/L		104	58 - 132	1	30
1,2-Dichlorobenzene			20.0	22.6		ug/L		113	80 - 120	3	30
1,2-Dichloroethane			20.0	21.5		ug/L		107	66 - 129	1	30
1,2-Dichloropropane			20.0	21.3		ug/L		107	68 - 128	2	30
1,3-Dichlorobenzene			20.0	22.5		ug/L		113	80 - 120	3	30
1,4-Dichlorobenzene			20.0	22.3		ug/L		112	80 - 120	1	30
1,4-Dioxane			400	613	*	ug/L		153	10 - 120	11	30
2-Butanone (MEK)			100	114		ug/L		114	61 - 142	1	30

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-965476/4
Matrix: Water
Analysis Batch: 965476

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Hexanone			100	108		ug/L		108	61 - 134	4	30
4-Methyl-2-pentanone (MIBK)			100	103		ug/L		103	69 - 139	0	30
Acetone			100	109		ug/L		109	49 - 149	3	30
Benzene			20.0	22.2		ug/L		111	71 - 126	0	30
Bromoform			20.0	20.8		ug/L		104	58 - 136	3	30
Bromomethane			20.0	18.1		ug/L		91	10 - 120	1	30
Carbon disulfide			20.0	21.8		ug/L		109	68 - 138	1	30
Carbon tetrachloride			20.0	22.0		ug/L		110	65 - 142	0	30
Chlorobenzene			20.0	21.9		ug/L		110	80 - 120	1	30
Chlorobromomethane			20.0	22.0		ug/L		110	76 - 134	2	30
Chlorodibromomethane			20.0	20.6		ug/L		103	69 - 130	1	30
Chloroethane			20.0	18.1		ug/L		90	48 - 150	1	30
Chloroform			20.0	21.0		ug/L		105	78 - 125	3	30
Chloromethane			20.0	17.5		ug/L		87	43 - 140	0	30
cis-1,2-Dichloroethene			20.0	21.5		ug/L		108	78 - 121	1	30
cis-1,3-Dichloropropene			20.0	21.4		ug/L		107	74 - 125	0	30
Cyclohexane			20.0	21.6		ug/L		108	60 - 142	7	30
Dichlorobromomethane			20.0	20.5		ug/L		103	76 - 121	1	30
Dichlorodifluoromethane			20.0	15.9		ug/L		79	27 - 120	11	30
Ethylbenzene			20.0	22.1		ug/L		110	78 - 120	0	30
Ethylene Dibromide			20.0	20.8		ug/L		104	79 - 126	2	30
Isopropylbenzene			20.0	22.6		ug/L		113	79 - 125	1	30
Methyl acetate			40.0	40.3		ug/L		101	43 - 120	0	30
Methyl tert-butyl ether			20.0	21.4		ug/L		107	72 - 131	2	30
Methylcyclohexane			20.0	20.2		ug/L		101	49 - 149	9	30
Methylene Chloride			20.0	22.7		ug/L		113	74 - 127	0	30
m-Xylene & p-Xylene			20.0	22.0		ug/L		110	78 - 120	0	30
o-Xylene			20.0	22.1		ug/L		111	78 - 120	0	30
Styrene			20.0	22.4		ug/L		112	82 - 127	1	30
Tetrachloroethene			20.0	22.0		ug/L		110	70 - 127	3	30
Toluene			20.0	20.3		ug/L		101	78 - 120	2	30
trans-1,2-Dichloroethene			20.0	21.6		ug/L		108	74 - 126	2	30
trans-1,3-Dichloropropene			20.0	21.1		ug/L		106	66 - 127	1	30
Trichloroethene			20.0	21.6		ug/L		108	51 - 121	8	30
Trichlorofluoromethane			20.0	18.9		ug/L		94	50 - 120	6	30
Vinyl chloride			20.0	19.5		ug/L		98	55 - 144	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 128*
4-Bromofluorobenzene	*108*		*76 - 120*
Dibromofluoromethane (Surr)	*98*		*77 - 132*
Toluene-d8 (Surr)	*100*		*80 - 120*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-965454/1-A
Matrix: Water
Analysis Batch: 965372

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Methylphenol	10	U	10	0.67	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/22/24 09:13	03/22/24 13:30	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/22/24 09:13	03/22/24 13:30	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 13:30	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Methylphenol	10	U	10	0.65	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acenaphthene	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acenaphthylene	10	U	10	0.82	ug/L		03/22/24 09:13	03/22/24 13:30	1
Acetophenone	10	U	10	2.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Anthracene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Atrazine	2.0	U	2.0	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzaldehyde	10	U	10	2.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/22/24 09:13	03/22/24 13:30	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/22/24 09:13	03/22/24 13:30	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/22/24 09:13	03/22/24 13:30	1
Caprolactam	10	U	10	2.2	ug/L		03/22/24 09:13	03/22/24 13:30	1
Carbazole	10	U	10	0.68	ug/L		03/22/24 09:13	03/22/24 13:30	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/22/24 09:13	03/22/24 13:30	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/22/24 09:13	03/22/24 13:30	1
Dibenzofuran	10	U	10	1.1	ug/L		03/22/24 09:13	03/22/24 13:30	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/22/24 09:13	03/22/24 13:30	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-965454/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	10	U	10	0.77	ug/L		03/22/24 09:13	03/22/24 13:30	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 13:30	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/22/24 09:13	03/22/24 13:30	1
Fluoranthene	10	U	10	0.84	ug/L		03/22/24 09:13	03/22/24 13:30	1
Fluorene	10	U	10	0.91	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/22/24 09:13	03/22/24 13:30	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/22/24 09:13	03/22/24 13:30	1
Isophorone	10	U	10	0.80	ug/L		03/22/24 09:13	03/22/24 13:30	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/22/24 09:13	03/22/24 13:30	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/22/24 09:13	03/22/24 13:30	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/22/24 09:13	03/22/24 13:30	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/22/24 09:13	03/22/24 13:30	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/22/24 09:13	03/22/24 13:30	1
Phenanthrene	10	U	10	1.3	ug/L		03/22/24 09:13	03/22/24 13:30	1
Phenol	10	U	10	0.29	ug/L		03/22/24 09:13	03/22/24 13:30	1
Pyrene	10	U	10	1.6	ug/L		03/22/24 09:13	03/22/24 13:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*37 - 150*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
2-Fluorobiphenyl	*82*		*46 - 139*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
2-Fluorophenol (Surr)	*70*		*16 - 80*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Nitrobenzene-d5 (Surr)	*90*		*51 - 145*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Phenol-d5 (Surr)	*55*		*10 - 56*	*03/22/24 09:13*	*03/22/24 13:30*	*1*
Terphenyl-d14 (Surr)	*57*		*13 - 150*	*03/22/24 09:13*	*03/22/24 13:30*	*1*

Lab Sample ID: LCS 460-965454/17-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	68.2		ug/L		85	53 - 131
1,2,4,5-Tetrachlorobenzene	80.0	57.9		ug/L		72	46 - 136
2,2'-oxybis[1-chloropropane]	80.0	77.2		ug/L		96	19 - 132
2,3,4,6-Tetrachlorophenol	80.0	78.4		ug/L		98	66 - 143
2,4,5-Trichlorophenol	80.0	73.1		ug/L		91	67 - 131
2,4,6-Trichlorophenol	80.0	77.3		ug/L		97	68 - 134
2,4-Dichlorophenol	80.0	71.6		ug/L		90	65 - 120
2,4-Dimethylphenol	80.0	50.6		ug/L		63	58 - 120
2,4-Dinitrophenol	160	150		ug/L		94	39 - 120
2,4-Dinitrotoluene	80.0	105		ug/L		132	68 - 146
2,6-Dinitrotoluene	80.0	91.1		ug/L		114	74 - 141
2-Chloronaphthalene	80.0	64.6		ug/L		81	52 - 131
2-Chlorophenol	80.0	62.5		ug/L		78	53 - 120
2-Methylnaphthalene	80.0	60.9		ug/L		76	44 - 120
2-Methylphenol	80.0	56.6		ug/L		71	44 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-965454/17-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
2-Nitroaniline	80.0	93.3		ug/L		117	44 - 148
2-Nitrophenol	80.0	75.3		ug/L		94	60 - 125
3,3'-Dichlorobenzidine	80.0	89.6		ug/L		112	56 - 137
3-Nitroaniline	80.0	69.6		ug/L		87	54 - 120
4,6-Dinitro-2-methylphenol	160	164		ug/L		103	64 - 150
4-Bromophenyl phenyl ether	80.0	78.8		ug/L		98	62 - 136
4-Chloro-3-methylphenol	80.0	69.1		ug/L		86	61 - 120
4-Chloroaniline	80.0	64.8		ug/L		81	51 - 127
4-Chlorophenyl phenyl ether	80.0	83.7		ug/L		105	59 - 135
4-Methylphenol	80.0	50.4		ug/L		63	37 - 120
4-Nitroaniline	80.0	85.6		ug/L		107	52 - 141
4-Nitrophenol	160	80.8		ug/L		51	10 - 120
Acenaphthene	80.0	83.5		ug/L		104	57 - 132
Acenaphthylene	80.0	73.9		ug/L		92	54 - 120
Acetophenone	80.0	89.7		ug/L		112	62 - 120
Anthracene	80.0	89.6		ug/L		112	65 - 120
Atrazine	40.0	53.0		ug/L		132	10 - 150
Benzaldehyde	40.0	47.0		ug/L		118	10 - 150
Benzo[a]anthracene	80.0	92.4		ug/L		116	67 - 132
Benzo[a]pyrene	80.0	91.6		ug/L		114	60 - 126
Benzo[b]fluoranthene	80.0	89.2		ug/L		112	66 - 136
Benzo[g,h,i]perylene	80.0	81.6		ug/L		102	59 - 150
Benzo[k]fluoranthene	80.0	89.3		ug/L		112	64 - 135
Bis(2-chloroethoxy)methane	80.0	80.1		ug/L		100	60 - 120
Bis(2-chloroethyl)ether	80.0	79.1		ug/L		99	55 - 120
Bis(2-ethylhexyl) phthalate	80.0	107		ug/L		134	60 - 150
Butyl benzyl phthalate	80.0	101		ug/L		126	63 - 147
Caprolactam	40.0	11.2		ug/L		28	10 - 120
Carbazole	80.0	92.7		ug/L		116	65 - 129
Chrysene	80.0	89.4		ug/L		112	63 - 127
Dibenz(a,h)anthracene	80.0	85.2		ug/L		107	62 - 150
Dibenzofuran	80.0	82.5		ug/L		103	58 - 132
Diethyl phthalate	80.0	87.8		ug/L		110	70 - 129
Dimethyl phthalate	80.0	88.7		ug/L		111	72 - 131
Di-n-butyl phthalate	80.0	99.2		ug/L		124	66 - 133
Di-n-octyl phthalate	80.0	104		ug/L		130	36 - 150
Fluoranthene	80.0	94.3		ug/L		118	65 - 130
Fluorene	80.0	88.0		ug/L		110	63 - 133
Hexachlorobenzene	80.0	84.1		ug/L		105	61 - 142
Hexachlorobutadiene	80.0	37.6		ug/L		47	21 - 120
Hexachlorocyclopentadiene	80.0	21.2		ug/L		26	14 - 135
Hexachloroethane	80.0	37.3		ug/L		47	16 - 120
Indeno[1,2,3-cd]pyrene	80.0	95.4		ug/L		119	65 - 150
Isophorone	80.0	89.6		ug/L		112	61 - 121
Naphthalene	80.0	58.3		ug/L		73	43 - 120
Nitrobenzene	80.0	88.1		ug/L		110	64 - 120
N-Nitrosodi-n-propylamine	80.0	91.9		ug/L		115	53 - 120
N-Nitrosodiphenylamine	80.0	84.1		ug/L		105	63 - 120
Pentachlorophenol	160	171		ug/L		107	51 - 150

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-965454/17-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Phenanthrene			80.0	87.6		ug/L		110	65 - 120		
Phenol			80.0	32.2		ug/L		40	17 - 120		
Pyrene			80.0	91.9		ug/L		115	56 - 144		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*105*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*52*		*16 - 80*
Nitrobenzene-d5 (Surr)	*109*		*51 - 145*
Phenol-d5 (Surr)	*39*		*10 - 56*
Terphenyl-d14 (Surr)	*80*		*13 - 150*

Lab Sample ID: LCSD 460-965454/18-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	68.1		ug/L		85	53 - 131	0	30
1,2,4,5-Tetrachlorobenzene			80.0	57.6		ug/L		72	46 - 136	1	30
2,2'-oxybis[1-chloropropane]			80.0	79.8		ug/L		100	19 - 132	3	30
2,3,4,6-Tetrachlorophenol			80.0	77.2		ug/L		97	66 - 143	2	30
2,4,5-Trichlorophenol			80.0	72.7		ug/L		91	67 - 131	1	30
2,4,6-Trichlorophenol			80.0	77.3		ug/L		97	68 - 134	0	30
2,4-Dichlorophenol			80.0	71.7		ug/L		90	65 - 120	0	30
2,4-Dimethylphenol			80.0	51.3		ug/L		64	58 - 120	1	30
2,4-Dinitrophenol			160	153		ug/L		96	39 - 120	2	30
2,4-Dinitrotoluene			80.0	105		ug/L		131	68 - 146	1	30
2,6-Dinitrotoluene			80.0	92.4		ug/L		116	74 - 141	1	30
2-Chloronaphthalene			80.0	65.1		ug/L		81	52 - 131	1	30
2-Chlorophenol			80.0	62.0		ug/L		77	53 - 120	1	30
2-Methylnaphthalene			80.0	59.6		ug/L		74	44 - 120	2	30
2-Methylphenol			80.0	58.4		ug/L		73	44 - 120	3	30
2-Nitroaniline			80.0	96.5		ug/L		121	44 - 148	3	30
2-Nitrophenol			80.0	76.0		ug/L		95	60 - 125	1	30
3,3'-Dichlorobenzidine			80.0	88.7		ug/L		111	56 - 137	1	30
3-Nitroaniline			80.0	69.4		ug/L		87	54 - 120	0	30
4,6-Dinitro-2-methylphenol			160	164		ug/L		102	64 - 150	0	30
4-Bromophenyl phenyl ether			80.0	76.2		ug/L		95	62 - 136	3	30
4-Chloro-3-methylphenol			80.0	69.0		ug/L		86	61 - 120	0	30
4-Chloroaniline			80.0	65.3		ug/L		82	51 - 127	1	30
4-Chlorophenyl phenyl ether			80.0	83.6		ug/L		105	59 - 135	0	30
4-Methylphenol			80.0	51.0		ug/L		64	37 - 120	1	30
4-Nitroaniline			80.0	87.0		ug/L		109	52 - 141	2	30
4-Nitrophenol			160	83.0		ug/L		52	10 - 120	3	30
Acenaphthene			80.0	82.6		ug/L		103	57 - 132	1	30
Acenaphthylene			80.0	73.7		ug/L		92	54 - 120	0	30
Acetophenone			80.0	91.8		ug/L		115	62 - 120	2	30
Anthracene			80.0	87.9		ug/L		110	65 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-965454/18-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965547
Prep Batch: 965454

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Atrazine			40.0	52.4		ug/L		131	10 - 150	1	30
Benzaldehyde			40.0	48.7		ug/L		122	10 - 150	4	30
Benzo[a]anthracene			80.0	92.2		ug/L		115	67 - 132	0	30
Benzo[a]pyrene			80.0	91.5		ug/L		114	60 - 126	0	30
Benzo[b]fluoranthene			80.0	88.2		ug/L		110	66 - 136	1	30
Benzo[g,h,i]perylene			80.0	81.0		ug/L		101	59 - 150	1	30
Benzo[k]fluoranthene			80.0	89.6		ug/L		112	64 - 135	0	30
Bis(2-chloroethoxy)methane			80.0	80.6		ug/L		101	60 - 120	1	30
Bis(2-chloroethyl)ether			80.0	80.7		ug/L		101	55 - 120	2	30
Bis(2-ethylhexyl) phthalate			80.0	109		ug/L		136	60 - 150	2	30
Butyl benzyl phthalate			80.0	103		ug/L		128	63 - 147	2	30
Caprolactam			40.0	11.2		ug/L		28	10 - 120	0	30
Carbazole			80.0	91.8		ug/L		115	65 - 129	1	30
Chrysene			80.0	90.6		ug/L		113	63 - 127	1	30
Dibenz(a,h)anthracene			80.0	86.7		ug/L		108	62 - 150	2	30
Dibenzofuran			80.0	82.8		ug/L		104	58 - 132	0	30
Diethyl phthalate			80.0	88.9		ug/L		111	70 - 129	1	30
Dimethyl phthalate			80.0	89.3		ug/L		112	72 - 131	1	30
Di-n-butyl phthalate			80.0	98.5		ug/L		123	66 - 133	1	30
Di-n-octyl phthalate			80.0	105		ug/L		131	36 - 150	1	30
Fluoranthene			80.0	92.9		ug/L		116	65 - 130	2	30
Fluorene			80.0	87.2		ug/L		109	63 - 133	1	30
Hexachlorobenzene			80.0	81.4		ug/L		102	61 - 142	3	30
Hexachlorobutadiene			80.0	38.2		ug/L		48	21 - 120	2	30
Hexachlorocyclopentadiene			80.0	20.8		ug/L		26	14 - 135	2	30
Hexachloroethane			80.0	37.9		ug/L		47	16 - 120	2	30
Indeno[1,2,3-cd]pyrene			80.0	94.5		ug/L		118	65 - 150	1	30
Isophorone			80.0	88.5		ug/L		111	61 - 121	1	30
Naphthalene			80.0	58.0		ug/L		72	43 - 120	1	30
Nitrobenzene			80.0	88.0		ug/L		110	64 - 120	0	30
N-Nitrosodi-n-propylamine			80.0	93.0		ug/L		116	53 - 120	1	30
N-Nitrosodiphenylamine			80.0	82.9		ug/L		104	63 - 120	2	30
Pentachlorophenol			160	168		ug/L		105	51 - 150	2	30
Phenanthrene			80.0	88.0		ug/L		110	65 - 120	0	30
Phenol			80.0	32.7		ug/L		41	17 - 120	2	30
Pyrene			80.0	92.3		ug/L		115	56 - 144	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*37 - 150*
2-Fluorobiphenyl	*89*		*46 - 139*
2-Fluorophenol (Surr)	*54*		*16 - 80*
Nitrobenzene-d5 (Surr)	*109*		*51 - 145*
Phenol-d5 (Surr)	*40*		*10 - 56*
Terphenyl-d14 (Surr)	*79*		*13 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-D-2-C MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	10	U	40.0	46.0		ug/L		115	53 - 131
1,2,4,5-Tetrachlorobenzene	10	U	40.0	42.5		ug/L		106	46 - 136
2,2'-oxybis[1-chloropropane]	10	U	40.0	45.9		ug/L		115	19 - 132
2,3,4,6-Tetrachlorophenol	10	U	40.0	48.9		ug/L		122	66 - 143
2,4,5-Trichlorophenol	10	U	40.0	46.4		ug/L		116	67 - 131
2,4,6-Trichlorophenol	10	U	40.0	49.4		ug/L		124	68 - 134
2,4-Dichlorophenol	1.2	J	40.0	47.9		ug/L		117	65 - 120
2,4-Dimethylphenol	10	U	40.0	32.0		ug/L		80	58 - 120
2,4-Dinitrophenol	40	U	80.0	107	*	ug/L		133	39 - 120
2,4-Dinitrotoluene	10	U	40.0	59.0	*	ug/L		147	68 - 146
2,6-Dinitrotoluene	2.0	U	40.0	51.7		ug/L		129	74 - 141
2-Chloronaphthalene	10	U	40.0	43.8		ug/L		109	52 - 131
2-Chlorophenol	9.4	J	40.0	48.6		ug/L		98	53 - 120
2-Methylnaphthalene	10	U	40.0	45.5		ug/L		114	44 - 120
2-Methylphenol	10	U	40.0	39.2		ug/L		98	44 - 120
2-Nitroaniline	10	U	40.0	56.4		ug/L		141	44 - 148
2-Nitrophenol	10	U	40.0	48.0		ug/L		120	60 - 125
3,3'-Dichlorobenzidine	10	U	40.0	10	U *	ug/L		0	56 - 137
3-Nitroaniline	10	U	40.0	29.6		ug/L		74	54 - 120
4,6-Dinitro-2-methylphenol	20	U	80.0	106		ug/L		133	64 - 150
4-Bromophenyl phenyl ether	10	U	40.0	43.5		ug/L		109	62 - 136
4-Chloro-3-methylphenol	10	U	40.0	46.6		ug/L		116	61 - 120
4-Chloroaniline	10	U	40.0	5.53	J *	ug/L		14	51 - 127
4-Chlorophenyl phenyl ether	10	U	40.0	47.2		ug/L		118	59 - 135
4-Methylphenol	10	U	40.0	35.8		ug/L		89	37 - 120
4-Nitroaniline	10	U	40.0	47.7		ug/L		119	52 - 141
4-Nitrophenol	20	U	80.0	68.1		ug/L		85	10 - 120
Acenaphthene	10	U	40.0	50.6		ug/L		127	57 - 132
Acenaphthylene	10	U	40.0	45.1		ug/L		113	54 - 120
Acetophenone	10	U	40.0	48.4	*	ug/L		121	62 - 120
Anthracene	10	U	40.0	49.0	*	ug/L		123	65 - 120
Atrazine	2.0	U	40.0	75.4	E *	ug/L		188	10 - 150
Benzaldehyde	10	U	40.0	74.4	E *	ug/L		186	10 - 150
Benzo[a]anthracene	1.0	U	40.0	51.2		ug/L		128	67 - 132
Benzo[a]pyrene	1.0	U	40.0	51.3	*	ug/L		128	60 - 126
Benzo[b]fluoranthene	2.0	U	40.0	48.9		ug/L		122	66 - 136
Benzo[g,h,i]perylene	10	U	40.0	44.2		ug/L		110	59 - 150
Benzo[k]fluoranthene	1.0	U	40.0	49.0		ug/L		122	64 - 135
Bis(2-chloroethoxy)methane	10	U	40.0	46.1		ug/L		115	60 - 120
Bis(2-chloroethyl)ether	1.0	U	40.0	44.9		ug/L		112	55 - 120
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	64.6	*	ug/L		161	60 - 150
Butyl benzyl phthalate	10	U	40.0	59.4	*	ug/L		148	63 - 147
Caprolactam	10	U	40.0	20.1		ug/L		50	10 - 120
Carbazole	10	U	40.0	50.1		ug/L		125	65 - 129
Chrysene	2.0	U	40.0	50.9		ug/L		127	63 - 127
Dibenz(a,h)anthracene	1.0	U	40.0	45.8		ug/L		115	62 - 150
Dibenzofuran	10	U	40.0	48.9		ug/L		122	58 - 132
Diethyl phthalate	10	U	40.0	50.2		ug/L		126	70 - 129

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-D-2-C MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	10	U	40.0	50.5		ug/L		126	72 - 131
Di-n-butyl phthalate	10	U	40.0	55.1	*	ug/L		138	66 - 133
Di-n-octyl phthalate	10	U	40.0	61.3	*	ug/L		153	36 - 150
Fluoranthene	10	U	40.0	52.4	*	ug/L		131	65 - 130
Fluorene	10	U	40.0	50.0		ug/L		125	63 - 133
Hexachlorobenzene	1.0	U	40.0	46.5		ug/L		116	61 - 142
Hexachlorobutadiene	1.0	U	40.0	33.3		ug/L		83	21 - 120
Hexachlorocyclopentadiene	10	U	40.0	23.0		ug/L		58	14 - 135
Hexachloroethane	2.0	U	40.0	31.6		ug/L		79	16 - 120
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	51.5		ug/L		129	65 - 150
Isophorone	10	U	40.0	50.5	*	ug/L		126	61 - 121
Naphthalene	8.0		40.0	46.3		ug/L		96	43 - 120
Nitrobenzene	1.0	U	40.0	48.7	*	ug/L		122	64 - 120
N-Nitrosodi-n-propylamine	1.0	U	40.0	50.5	*	ug/L		126	53 - 120
N-Nitrosodiphenylamine	10	U	40.0	46.9		ug/L		117	63 - 120
Pentachlorophenol	20	U	80.0	106		ug/L		133	51 - 150
Phenanthrene	10	U	40.0	49.0	*	ug/L		123	65 - 120
Phenol	10	U	40.0	23.2		ug/L		58	17 - 120
Pyrene	10	U	40.0	52.3		ug/L		131	56 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*111*		*37 - 150*
2-Fluorobiphenyl	*103*		*46 - 139*
2-Fluorophenol (Surr)	*72*		*16 - 80*
Nitrobenzene-d5 (Surr)	*113*		*51 - 145*
Phenol-d5 (Surr)	*53*		*10 - 56*
Terphenyl-d14 (Surr)	*75*		*13 - 150*

Lab Sample ID: 460-300484-E-2-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	10	U	40.0	44.7		ug/L		112	53 - 131	3	30
1,2,4,5-Tetrachlorobenzene	10	U	40.0	40.8		ug/L		102	46 - 136	4	30
2,2'-oxybis[1-chloropropane]	10	U	40.0	44.7		ug/L		112	19 - 132	3	30
2,3,4,6-Tetrachlorophenol	10	U	40.0	47.6		ug/L		119	66 - 143	3	30
2,4,5-Trichlorophenol	10	U	40.0	44.9		ug/L		112	67 - 131	3	30
2,4,6-Trichlorophenol	10	U	40.0	47.0		ug/L		118	68 - 134	5	30
2,4-Dichlorophenol	1.2	J	40.0	46.8		ug/L		114	65 - 120	2	30
2,4-Dimethylphenol	10	U	40.0	31.7		ug/L		79	58 - 120	1	30
2,4-Dinitrophenol	40	U	80.0	100	*	ug/L		125	39 - 120	6	30
2,4-Dinitrotoluene	10	U	40.0	57.2		ug/L		143	68 - 146	3	30
2,6-Dinitrotoluene	2.0	U	40.0	51.4		ug/L		129	74 - 141	1	30
2-Chloronaphthalene	10	U	40.0	42.4		ug/L		106	52 - 131	3	30
2-Chlorophenol	9.4	J	40.0	49.9		ug/L		101	53 - 120	3	30
2-Methylnaphthalene	10	U	40.0	45.0		ug/L		112	44 - 120	1	30
2-Methylphenol	10	U	40.0	39.4		ug/L		99	44 - 120	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-E-2-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitroaniline	10	U	40.0	52.5		ug/L		131	44 - 148	7	30
2-Nitrophenol	10	U	40.0	45.5		ug/L		114	60 - 125	5	30
3,3'-Dichlorobenzidine	10	U	40.0	10	U *	ug/L		0	56 - 137	NC	30
3-Nitroaniline	10	U	40.0	35.5		ug/L		89	54 - 120	18	30
4,6-Dinitro-2-methylphenol	20	U	80.0	102		ug/L		127	64 - 150	4	30
4-Bromophenyl phenyl ether	10	U	40.0	42.3		ug/L		106	62 - 136	3	30
4-Chloro-3-methylphenol	10	U	40.0	46.4		ug/L		116	61 - 120	0	30
4-Chloroaniline	10	U	40.0	11.3	*	ug/L		28	51 - 127	68	30
4-Chlorophenyl phenyl ether	10	U	40.0	45.4		ug/L		113	59 - 135	4	30
4-Methylphenol	10	U	40.0	36.4		ug/L		91	37 - 120	2	30
4-Nitroaniline	10	U	40.0	43.7		ug/L		109	52 - 141	9	30
4-Nitrophenol	20	U	80.0	66.2		ug/L		83	10 - 120	3	30
Acenaphthene	10	U	40.0	48.6		ug/L		122	57 - 132	4	30
Acenaphthylene	10	U	40.0	43.8		ug/L		109	54 - 120	3	30
Acetophenone	10	U	40.0	47.6		ug/L		119	62 - 120	2	30
Anthracene	10	U	40.0	48.2		ug/L		120	65 - 120	2	30
Atrazine	2.0	U	40.0	58.6	E	ug/L		147	10 - 150	25	30
Benzaldehyde	10	U	40.0	59.1	E	ug/L		148	10 - 150	23	30
Benzo[a]anthracene	1.0	U	40.0	49.3		ug/L		123	67 - 132	4	30
Benzo[a]pyrene	1.0	U	40.0	49.6		ug/L		124	60 - 126	3	30
Benzo[b]fluoranthene	2.0	U	40.0	47.4		ug/L		119	66 - 136	3	30
Benzo[g,h,i]perylene	10	U	40.0	42.4		ug/L		106	59 - 150	4	30
Benzo[k]fluoranthene	1.0	U	40.0	47.0		ug/L		117	64 - 135	4	30
Bis(2-chloroethoxy)methane	10	U	40.0	44.9		ug/L		112	60 - 120	3	30
Bis(2-chloroethyl)ether	1.0	U	40.0	45.0		ug/L		112	55 - 120	0	30
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	62.1	*	ug/L		155	60 - 150	4	30
Butyl benzyl phthalate	10	U	40.0	58.3		ug/L		146	63 - 147	2	30
Caprolactam	10	U	40.0	16.2		ug/L		41	10 - 120	21	30
Carbazole	10	U	40.0	48.8		ug/L		122	65 - 129	3	30
Chrysene	2.0	U	40.0	49.8		ug/L		125	63 - 127	2	30
Dibenz(a,h)anthracene	1.0	U	40.0	44.3		ug/L		111	62 - 150	3	30
Dibenzofuran	10	U	40.0	47.7		ug/L		119	58 - 132	3	30
Diethyl phthalate	10	U	40.0	48.9		ug/L		122	70 - 129	3	30
Dimethyl phthalate	10	U	40.0	48.4		ug/L		121	72 - 131	4	30
Di-n-butyl phthalate	10	U	40.0	53.5	*	ug/L		134	66 - 133	3	30
Di-n-octyl phthalate	10	U	40.0	58.9		ug/L		147	36 - 150	4	30
Fluoranthene	10	U	40.0	50.2		ug/L		125	65 - 130	4	30
Fluorene	10	U	40.0	48.0		ug/L		120	63 - 133	4	30
Hexachlorobenzene	1.0	U	40.0	44.9		ug/L		112	61 - 142	4	30
Hexachlorobutadiene	1.0	U	40.0	33.4		ug/L		83	21 - 120	0	30
Hexachlorocyclopentadiene	10	U	40.0	23.2		ug/L		58	14 - 135	1	30
Hexachloroethane	2.0	U	40.0	31.7		ug/L		79	16 - 120	0	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	49.6		ug/L		124	65 - 150	4	30
Isophorone	10	U	40.0	50.2	*	ug/L		126	61 - 121	1	30
Naphthalene	8.0		40.0	49.2		ug/L		103	43 - 120	6	30
Nitrobenzene	1.0	U	40.0	47.5		ug/L		119	64 - 120	3	30
N-Nitrosodi-n-propylamine	1.0	U	40.0	48.8	*	ug/L		122	53 - 120	3	30
N-Nitrosodiphenylamine	10	U	40.0	45.8		ug/L		115	63 - 120	2	30
Pentachlorophenol	20	U	80.0	102		ug/L		128	51 - 150	4	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300484-E-2-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965372
Prep Batch: 965454

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene	10	U	40.0	47.9		ug/L		120	65 - 120	2	30
Phenol	10	U	40.0	23.3		ug/L		58	17 - 120	1	30
Pyrene	10	U	40.0	51.2		ug/L		128	56 - 144	2	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*116*		*37 - 150*
2-Fluorobiphenyl	*106*		*46 - 139*
2-Fluorophenol (Surr)	*75*		*16 - 80*
Nitrobenzene-d5 (Surr)	*115*		*51 - 145*
Phenol-d5 (Surr)	*57*	*	*10 - 56*
Terphenyl-d14 (Surr)	*82*		*13 - 150*

Lab Sample ID: MB 460-965565/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 16:10	1
1,2,4,5-Tetrachlorobenzene	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,2'-oxybis[1-chloropropane]	10	U	10	0.63	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,3,4,6-Tetrachlorophenol	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4,5-Trichlorophenol	10	U	10	0.88	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4,6-Trichlorophenol	10	U	10	0.86	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4-Dichlorophenol	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4-Dimethylphenol	10	U	10	0.62	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4-Dinitrophenol	40	U	40	2.6	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,4-Dinitrotoluene	10	U	10	1.0	ug/L		03/23/24 07:39	03/23/24 16:10	1
2,6-Dinitrotoluene	2.0	U	2.0	0.83	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Chloronaphthalene	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Chlorophenol	10	U	10	0.38	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Methylnaphthalene	10	U	10	0.53	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Methylphenol	10	U	10	0.67	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Nitroaniline	10	U	10	0.47	ug/L		03/23/24 07:39	03/23/24 16:10	1
2-Nitrophenol	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 16:10	1
3,3'-Dichlorobenzidine	10	U	10	1.4	ug/L		03/23/24 07:39	03/23/24 16:10	1
3-Nitroaniline	10	U	10	1.9	ug/L		03/23/24 07:39	03/23/24 16:10	1
4,6-Dinitro-2-methylphenol	20	U	20	3.0	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Bromophenyl phenyl ether	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Chloro-3-methylphenol	10	U	10	0.58	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Chloroaniline	10	U	10	1.9	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Chlorophenyl phenyl ether	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Methylphenol	10	U	10	0.65	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Nitroaniline	10	U	10	1.2	ug/L		03/23/24 07:39	03/23/24 16:10	1
4-Nitrophenol	20	U	20	4.0	ug/L		03/23/24 07:39	03/23/24 16:10	1
Acenaphthene	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 16:10	1
Acenaphthylene	10	U	10	0.82	ug/L		03/23/24 07:39	03/23/24 16:10	1
Acetophenone	10	U	10	2.3	ug/L		03/23/24 07:39	03/23/24 16:10	1
Anthracene	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 16:10	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-965565/1-A
Matrix: Water
Analysis Batch: 965598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Atrazine	2.0	U	2.0	1.3	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzaldehyde	10	U	10	2.1	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzo[g,h,i]perylene	10	U	10	0.70	ug/L		03/23/24 07:39	03/23/24 16:10	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		03/23/24 07:39	03/23/24 16:10	1
Bis(2-chloroethoxy)methane	10	U	10	0.59	ug/L		03/23/24 07:39	03/23/24 16:10	1
Bis(2-chloroethyl)ether	1.0	U	1.0	0.63	ug/L		03/23/24 07:39	03/23/24 16:10	1
Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80	ug/L		03/23/24 07:39	03/23/24 16:10	1
Butyl benzyl phthalate	10	U	10	0.85	ug/L		03/23/24 07:39	03/23/24 16:10	1
Caprolactam	10	U	10	2.2	ug/L		03/23/24 07:39	03/23/24 16:10	1
Carbazole	10	U	10	0.68	ug/L		03/23/24 07:39	03/23/24 16:10	1
Chrysene	2.0	U	2.0	0.91	ug/L		03/23/24 07:39	03/23/24 16:10	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		03/23/24 07:39	03/23/24 16:10	1
Dibenzofuran	10	U	10	1.1	ug/L		03/23/24 07:39	03/23/24 16:10	1
Diethyl phthalate	10	U	10	0.98	ug/L		03/23/24 07:39	03/23/24 16:10	1
Dimethyl phthalate	10	U	10	0.77	ug/L		03/23/24 07:39	03/23/24 16:10	1
Di-n-butyl phthalate	10	U	10	0.84	ug/L		03/23/24 07:39	03/23/24 16:10	1
Di-n-octyl phthalate	10	U	10	0.75	ug/L		03/23/24 07:39	03/23/24 16:10	1
Fluoranthene	10	U	10	0.84	ug/L		03/23/24 07:39	03/23/24 16:10	1
Fluorene	10	U	10	0.91	ug/L		03/23/24 07:39	03/23/24 16:10	1
Hexachlorobenzene	1.0	U	1.0	0.40	ug/L		03/23/24 07:39	03/23/24 16:10	1
Hexachlorobutadiene	1.0	U	1.0	0.78	ug/L		03/23/24 07:39	03/23/24 16:10	1
Hexachlorocyclopentadiene	10	U	10	3.6	ug/L		03/23/24 07:39	03/23/24 16:10	1
Hexachloroethane	2.0	U	2.0	0.80	ug/L		03/23/24 07:39	03/23/24 16:10	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		03/23/24 07:39	03/23/24 16:10	1
Isophorone	10	U	10	0.80	ug/L		03/23/24 07:39	03/23/24 16:10	1
Naphthalene	2.0	U	2.0	0.54	ug/L		03/23/24 07:39	03/23/24 16:10	1
Nitrobenzene	1.0	U	1.0	0.57	ug/L		03/23/24 07:39	03/23/24 16:10	1
N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43	ug/L		03/23/24 07:39	03/23/24 16:10	1
N-Nitrosodiphenylamine	10	U	10	0.89	ug/L		03/23/24 07:39	03/23/24 16:10	1
Pentachlorophenol	20	U	20	1.4	ug/L		03/23/24 07:39	03/23/24 16:10	1
Phenanthrene	10	U	10	1.3	ug/L		03/23/24 07:39	03/23/24 16:10	1
Phenol	10	U	10	0.29	ug/L		03/23/24 07:39	03/23/24 16:10	1
Pyrene	10	U	10	1.6	ug/L		03/23/24 07:39	03/23/24 16:10	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*37 - 150*	*03/23/24 07:39*	*03/23/24 16:10*	*1*
2-Fluorobiphenyl	*75*		*46 - 139*	*03/23/24 07:39*	*03/23/24 16:10*	*1*
2-Fluorophenol (Surr)	*44*		*16 - 80*	*03/23/24 07:39*	*03/23/24 16:10*	*1*
Nitrobenzene-d5 (Surr)	*78*		*51 - 145*	*03/23/24 07:39*	*03/23/24 16:10*	*1*
Phenol-d5 (Surr)	*31*		*10 - 56*	*03/23/24 07:39*	*03/23/24 16:10*	*1*
Terphenyl-d14 (Surr)	*72*		*13 - 150*	*03/23/24 07:39*	*03/23/24 16:10*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-965565/2-A
Matrix: Water
Analysis Batch: 965598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	80.0	62.6		ug/L		78	53 - 131
1,2,4,5-Tetrachlorobenzene	80.0	63.9		ug/L		80	46 - 136
2,2'-oxybis[1-chloropropane]	80.0	57.0		ug/L		71	19 - 132
2,3,4,6-Tetrachlorophenol	80.0	65.1		ug/L		81	66 - 143
2,4,5-Trichlorophenol	80.0	63.9		ug/L		80	67 - 131
2,4,6-Trichlorophenol	80.0	66.7		ug/L		83	68 - 134
2,4-Dichlorophenol	80.0	60.7		ug/L		76	65 - 120
2,4-Dimethylphenol	80.0	43.8	*	ug/L		55	58 - 120
2,4-Dinitrophenol	160	129		ug/L		80	39 - 120
2,4-Dinitrotoluene	80.0	66.1		ug/L		83	68 - 146
2,6-Dinitrotoluene	80.0	66.1		ug/L		83	74 - 141
2-Chloronaphthalene	80.0	62.3		ug/L		78	52 - 131
2-Chlorophenol	80.0	54.0		ug/L		67	53 - 120
2-Methylnaphthalene	80.0	63.0		ug/L		79	44 - 120
2-Methylphenol	80.0	48.1		ug/L		60	44 - 120
2-Nitroaniline	80.0	60.2		ug/L		75	44 - 148
2-Nitrophenol	80.0	62.2		ug/L		78	60 - 125
3,3'-Dichlorobenzidine	80.0	69.7		ug/L		87	56 - 137
3-Nitroaniline	80.0	47.8		ug/L		60	54 - 120
4,6-Dinitro-2-methylphenol	160	143		ug/L		90	64 - 150
4-Bromophenyl phenyl ether	80.0	61.8		ug/L		77	62 - 136
4-Chloro-3-methylphenol	80.0	57.9		ug/L		72	61 - 120
4-Chloroaniline	80.0	45.6		ug/L		57	51 - 127
4-Chlorophenyl phenyl ether	80.0	62.3		ug/L		78	59 - 135
4-Methylphenol	80.0	43.8		ug/L		55	37 - 120
4-Nitroaniline	80.0	56.3		ug/L		70	52 - 141
4-Nitrophenol	160	65.3		ug/L		41	10 - 120
Acenaphthene	80.0	62.5		ug/L		78	57 - 132
Acenaphthylene	80.0	58.7		ug/L		73	54 - 120
Acetophenone	80.0	60.3		ug/L		75	62 - 120
Anthracene	80.0	61.8		ug/L		77	65 - 120
Atrazine	40.0	56.6		ug/L		142	10 - 150
Benzaldehyde	40.0	47.9		ug/L		120	10 - 150
Benzo[a]anthracene	80.0	69.6		ug/L		87	67 - 132
Benzo[a]pyrene	80.0	72.9		ug/L		91	60 - 126
Benzo[b]fluoranthene	80.0	68.1		ug/L		85	66 - 136
Benzo[g,h,i]perylene	80.0	63.0		ug/L		79	59 - 150
Benzo[k]fluoranthene	80.0	67.5		ug/L		84	64 - 135
Bis(2-chloroethoxy)methane	80.0	59.6		ug/L		74	60 - 120
Bis(2-chloroethyl)ether	80.0	59.1		ug/L		74	55 - 120
Bis(2-ethylhexyl) phthalate	80.0	75.4		ug/L		94	60 - 150
Butyl benzyl phthalate	80.0	76.6		ug/L		96	63 - 147
Caprolactam	40.0	15.9		ug/L		40	10 - 120
Carbazole	80.0	63.7		ug/L		80	65 - 129
Chrysene	80.0	68.4		ug/L		85	63 - 127
Dibenz(a,h)anthracene	80.0	69.8		ug/L		87	62 - 150
Dibenzofuran	80.0	62.4		ug/L		78	58 - 132
Diethyl phthalate	80.0	64.4		ug/L		80	70 - 129

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-965565/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dimethyl phthalate	80.0	63.6		ug/L		80	72 - 131
Di-n-butyl phthalate	80.0	73.5		ug/L		92	66 - 133
Di-n-octyl phthalate	80.0	73.0		ug/L		91	36 - 150
Fluoranthene	80.0	65.8		ug/L		82	65 - 130
Fluorene	80.0	61.8		ug/L		77	63 - 133
Hexachlorobenzene	80.0	64.5		ug/L		81	61 - 142
Hexachlorobutadiene	80.0	62.6		ug/L		78	21 - 120
Hexachlorocyclopentadiene	80.0	37.2		ug/L		46	14 - 135
Hexachloroethane	80.0	56.8		ug/L		71	16 - 120
Indeno[1,2,3-cd]pyrene	80.0	75.8		ug/L		95	65 - 150
Isophorone	80.0	61.9		ug/L		77	61 - 121
Naphthalene	80.0	60.0		ug/L		75	43 - 120
Nitrobenzene	80.0	60.5		ug/L		76	64 - 120
N-Nitrosodi-n-propylamine	80.0	60.6		ug/L		76	53 - 120
N-Nitrosodiphenylamine	80.0	62.5		ug/L		78	63 - 120
Pentachlorophenol	160	136		ug/L		85	51 - 150
Phenanthrene	80.0	62.1		ug/L		78	65 - 120
Phenol	80.0	28.4		ug/L		35	17 - 120
Pyrene	80.0	65.5		ug/L		82	56 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*37 - 150*
2-Fluorobiphenyl	*84*		*46 - 139*
2-Fluorophenol (Surr)	*52*		*16 - 80*
Nitrobenzene-d5 (Surr)	*86*		*51 - 145*
Phenol-d5 (Surr)	*40*		*10 - 56*
Terphenyl-d14 (Surr)	*78*		*13 - 150*

Lab Sample ID: LCSD 460-965565/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	80.0	62.8		ug/L		79	53 - 131	0	30
1,2,4,5-Tetrachlorobenzene	80.0	64.0		ug/L		80	46 - 136	0	30
2,2'-oxybis[1-chloropropane]	80.0	57.1		ug/L		71	19 - 132	0	30
2,3,4,6-Tetrachlorophenol	80.0	64.5		ug/L		81	66 - 143	1	30
2,4,5-Trichlorophenol	80.0	63.4		ug/L		79	67 - 131	1	30
2,4,6-Trichlorophenol	80.0	66.7		ug/L		83	68 - 134	0	30
2,4-Dichlorophenol	80.0	60.6		ug/L		76	65 - 120	0	30
2,4-Dimethylphenol	80.0	43.7	*	ug/L		55	58 - 120	0	30
2,4-Dinitrophenol	160	129		ug/L		81	39 - 120	1	30
2,4-Dinitrotoluene	80.0	65.4		ug/L		82	68 - 146	1	30
2,6-Dinitrotoluene	80.0	65.2		ug/L		81	74 - 141	1	30
2-Chloronaphthalene	80.0	63.0		ug/L		79	52 - 131	1	30
2-Chlorophenol	80.0	53.5		ug/L		67	53 - 120	1	30
2-Methylnaphthalene	80.0	62.6		ug/L		78	44 - 120	1	30
2-Methylphenol	80.0	47.4		ug/L		59	44 - 120	2	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-965565/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
2-Nitroaniline			80.0	59.9		ug/L		75	44 - 148	0	30
2-Nitrophenol			80.0	62.4		ug/L		78	60 - 125	0	30
3,3'-Dichlorobenzidine			80.0	72.6		ug/L		91	56 - 137	4	30
3-Nitroaniline			80.0	47.7		ug/L		60	54 - 120	0	30
4,6-Dinitro-2-methylphenol			160	143		ug/L		90	64 - 150	0	30
4-Bromophenyl phenyl ether			80.0	62.1		ug/L		78	62 - 136	0	30
4-Chloro-3-methylphenol			80.0	57.3		ug/L		72	61 - 120	1	30
4-Chloroaniline			80.0	45.0		ug/L		56	51 - 127	1	30
4-Chlorophenyl phenyl ether			80.0	62.9		ug/L		79	59 - 135	1	30
4-Methylphenol			80.0	42.9		ug/L		54	37 - 120	2	30
4-Nitroaniline			80.0	57.1		ug/L		71	52 - 141	1	30
4-Nitrophenol			160	64.5		ug/L		40	10 - 120	1	30
Acenaphthene			80.0	62.2		ug/L		78	57 - 132	0	30
Acenaphthylene			80.0	58.9		ug/L		74	54 - 120	0	30
Acetophenone			80.0	60.1		ug/L		75	62 - 120	0	30
Anthracene			80.0	62.3		ug/L		78	65 - 120	1	30
Atrazine			40.0	57.3		ug/L		143	10 - 150	1	30
Benzaldehyde			40.0	47.8		ug/L		120	10 - 150	0	30
Benzo[a]anthracene			80.0	70.4		ug/L		88	67 - 132	1	30
Benzo[a]pyrene			80.0	72.7		ug/L		91	60 - 126	0	30
Benzo[b]fluoranthene			80.0	68.0		ug/L		85	66 - 136	0	30
Benzo[g,h,i]perylene			80.0	63.7		ug/L		80	59 - 150	1	30
Benzo[k]fluoranthene			80.0	67.1		ug/L		84	64 - 135	1	30
Bis(2-chloroethoxy)methane			80.0	59.5		ug/L		74	60 - 120	0	30
Bis(2-chloroethyl)ether			80.0	59.5		ug/L		74	55 - 120	1	30
Bis(2-ethylhexyl) phthalate			80.0	75.6		ug/L		95	60 - 150	0	30
Butyl benzyl phthalate			80.0	76.2		ug/L		95	63 - 147	1	30
Caprolactam			40.0	15.1		ug/L		38	10 - 120	5	30
Carbazole			80.0	64.3		ug/L		80	65 - 129	1	30
Chrysene			80.0	69.1		ug/L		86	63 - 127	1	30
Dibenz(a,h)anthracene			80.0	71.0		ug/L		89	62 - 150	2	30
Dibenzofuran			80.0	62.1		ug/L		78	58 - 132	1	30
Diethyl phthalate			80.0	64.1		ug/L		80	70 - 129	0	30
Dimethyl phthalate			80.0	63.1		ug/L		79	72 - 131	1	30
Di-n-butyl phthalate			80.0	74.6		ug/L		93	66 - 133	1	30
Di-n-octyl phthalate			80.0	72.0		ug/L		90	36 - 150	1	30
Fluoranthene			80.0	66.8		ug/L		83	65 - 130	2	30
Fluorene			80.0	61.4		ug/L		77	63 - 133	1	30
Hexachlorobenzene			80.0	65.4		ug/L		82	61 - 142	1	30
Hexachlorobutadiene			80.0	62.6		ug/L		78	21 - 120	0	30
Hexachlorocyclopentadiene			80.0	38.2		ug/L		48	14 - 135	3	30
Hexachloroethane			80.0	57.4		ug/L		72	16 - 120	1	30
Indeno[1,2,3-cd]pyrene			80.0	76.5		ug/L		96	65 - 150	1	30
Isophorone			80.0	61.3		ug/L		77	61 - 121	1	30
Naphthalene			80.0	59.5		ug/L		74	43 - 120	1	30
Nitrobenzene			80.0	60.4		ug/L		76	64 - 120	0	30
N-Nitrosodi-n-propylamine			80.0	60.5		ug/L		76	53 - 120	0	30
N-Nitrosodiphenylamine			80.0	63.3		ug/L		79	63 - 120	1	30
Pentachlorophenol			160	137		ug/L		86	51 - 150	1	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-965565/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Phenanthrene			80.0	62.2		ug/L		78	65 - 120	0	30
Phenol			80.0	28.5		ug/L		36	17 - 120	0	30
Pyrene			80.0	64.7		ug/L		81	56 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*90*		*37 - 150*
2-Fluorobiphenyl	*85*		*46 - 139*
2-Fluorophenol (Surr)	*52*		*16 - 80*
Nitrobenzene-d5 (Surr)	*86*		*51 - 145*
Phenol-d5 (Surr)	*40*		*10 - 56*
Terphenyl-d14 (Surr)	*77*		*13 - 150*

Lab Sample ID: 460-300522-E-4-B MS
Client Sample ID: Matrix Spike
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,1'-Biphenyl	10	U	40.0	38.7		ug/L		97	53 - 131
1,2,4,5-Tetrachlorobenzene	10	U	40.0	39.7		ug/L		99	46 - 136
2,2'-oxybis[1-chloropropane]	10	U	40.0	36.1		ug/L		90	19 - 132
2,3,4,6-Tetrachlorophenol	10	U	40.0	39.0		ug/L		98	66 - 143
2,4,5-Trichlorophenol	10	U	40.0	37.4		ug/L		94	67 - 131
2,4,6-Trichlorophenol	10	U	40.0	39.7		ug/L		99	68 - 134
2,4-Dichlorophenol	10	U	40.0	36.4		ug/L		91	65 - 120
2,4-Dimethylphenol	10	U *	40.0	24.9		ug/L		62	58 - 120
2,4-Dinitrophenol	40	U	80.0	80.4		ug/L		100	39 - 120
2,4-Dinitrotoluene	10	U	40.0	41.0		ug/L		102	68 - 146
2,6-Dinitrotoluene	2.0	U	40.0	40.4		ug/L		101	74 - 141
2-Chloronaphthalene	10	U	40.0	38.3		ug/L		96	52 - 131
2-Chlorophenol	10	U	40.0	32.0		ug/L		80	53 - 120
2-Methylnaphthalene	10	U	40.0	39.2		ug/L		98	44 - 120
2-Methylphenol	10	U	40.0	25.2		ug/L		63	44 - 120
2-Nitroaniline	10	U	40.0	37.5		ug/L		94	44 - 148
2-Nitrophenol	10	U	40.0	38.7		ug/L		97	60 - 125
3,3'-Dichlorobenzidine	10	U	40.0	29.0		ug/L		72	56 - 137
3-Nitroaniline	10	U	40.0	29.9		ug/L		75	54 - 120
4,6-Dinitro-2-methylphenol	20	U	80.0	85.9		ug/L		107	64 - 150
4-Bromophenyl phenyl ether	10	U	40.0	37.6		ug/L		94	62 - 136
4-Chloro-3-methylphenol	10	U	40.0	32.8		ug/L		82	61 - 120
4-Chloroaniline	10	U	40.0	26.6		ug/L		66	51 - 127
4-Chlorophenyl phenyl ether	10	U	40.0	38.6		ug/L		97	59 - 135
4-Methylphenol	10	U	40.0	21.8		ug/L		55	37 - 120
4-Nitroaniline	10	U	40.0	32.5		ug/L		81	52 - 141
4-Nitrophenol	20	U	80.0	27.3		ug/L		34	10 - 120
Acenaphthene	10	U	40.0	39.0		ug/L		97	57 - 132
Acenaphthylene	10	U	40.0	36.7		ug/L		92	54 - 120
Acetophenone	10	U	40.0	36.8		ug/L		92	62 - 120
Anthracene	10	U	40.0	38.1		ug/L		95	65 - 120

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300522-E-4-B MS
Matrix: Water
Analysis Batch: 965598

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 965565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Atrazine	2.0	U	40.0	45.1		ug/L		113	10 - 150
Benzaldehyde	10	U	40.0	40.1	E	ug/L		100	10 - 150
Benzo[a]anthracene	1.0	U	40.0	42.8		ug/L		107	67 - 132
Benzo[a]pyrene	1.0	U	40.0	44.3		ug/L		111	60 - 126
Benzo[b]fluoranthene	2.0	U	40.0	41.1		ug/L		103	66 - 136
Benzo[g,h,i]perylene	10	U	40.0	39.3		ug/L		98	59 - 150
Benzo[k]fluoranthene	1.0	U	40.0	40.2		ug/L		100	64 - 135
Bis(2-chloroethoxy)methane	10	U	40.0	37.2		ug/L		93	60 - 120
Bis(2-chloroethyl)ether	1.0	U	40.0	38.0		ug/L		95	55 - 120
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	48.7		ug/L		122	60 - 150
Butyl benzyl phthalate	10	U	40.0	49.6		ug/L		124	63 - 147
Caprolactam	10	U	40.0	9.66	J	ug/L		24	10 - 120
Carbazole	10	U	40.0	38.7		ug/L		97	65 - 129
Chrysene	2.0	U	40.0	42.4		ug/L		106	63 - 127
Dibenz(a,h)anthracene	1.0	U	40.0	41.8		ug/L		105	62 - 150
Dibenzofuran	10	U	40.0	38.7		ug/L		97	58 - 132
Diethyl phthalate	10	U	40.0	39.9		ug/L		100	70 - 129
Dimethyl phthalate	10	U	40.0	39.8		ug/L		100	72 - 131
Di-n-butyl phthalate	10	U	40.0	46.2		ug/L		116	66 - 133
Di-n-octyl phthalate	10	U	40.0	45.9		ug/L		115	36 - 150
Fluoranthene	10	U	40.0	40.2		ug/L		100	65 - 130
Fluorene	10	U	40.0	38.2		ug/L		96	63 - 133
Hexachlorobenzene	1.0	U	40.0	40.0		ug/L		100	61 - 142
Hexachlorobutadiene	1.0	U	40.0	39.7		ug/L		99	21 - 120
Hexachlorocyclopentadiene	10	U	40.0	23.4		ug/L		58	14 - 135
Hexachloroethane	2.0	U	40.0	36.6		ug/L		91	16 - 120
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	47.2		ug/L		118	65 - 150
Isophorone	10	U	40.0	38.9		ug/L		97	61 - 121
Naphthalene	2.0	U	40.0	38.1		ug/L		95	43 - 120
Nitrobenzene	1.0	U	40.0	37.8		ug/L		95	64 - 120
N-Nitrosodi-n-propylamine	1.0	U	40.0	36.7		ug/L		92	53 - 120
N-Nitrosodiphenylamine	10	U	40.0	38.6		ug/L		96	63 - 120
Pentachlorophenol	20	U	80.0	84.3		ug/L		105	51 - 150
Phenanthrene	10	U	40.0	38.4		ug/L		96	65 - 120
Phenol	10	U	40.0	13.3		ug/L		33	17 - 120
Pyrene	10	U	40.0	41.5		ug/L		104	56 - 144

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*94*		*37 - 150*
2-Fluorobiphenyl	*88*		*46 - 139*
2-Fluorophenol (Surr)	*45*		*16 - 80*
Nitrobenzene-d5 (Surr)	*93*		*51 - 145*
Phenol-d5 (Surr)	*30*		*10 - 56*
Terphenyl-d14 (Surr)	*48*		*13 - 150*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300522-E-4-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1'-Biphenyl	10	U	40.0	38.1		ug/L		95	53 - 131	1	30
1,2,4,5-Tetrachlorobenzene	10	U	40.0	38.4		ug/L		96	46 - 136	3	30
2,2'-oxybis[1-chloropropane]	10	U	40.0	36.6		ug/L		92	19 - 132	1	30
2,3,4,6-Tetrachlorophenol	10	U	40.0	39.5		ug/L		99	66 - 143	1	30
2,4,5-Trichlorophenol	10	U	40.0	37.4		ug/L		94	67 - 131	0	30
2,4,6-Trichlorophenol	10	U	40.0	39.5		ug/L		99	68 - 134	0	30
2,4-Dichlorophenol	10	U	40.0	36.2		ug/L		91	65 - 120	1	30
2,4-Dimethylphenol	10	U *	40.0	25.1		ug/L		63	58 - 120	1	30
2,4-Dinitrophenol	40	U	80.0	85.9		ug/L		107	39 - 120	7	30
2,4-Dinitrotoluene	10	U	40.0	42.3		ug/L		106	68 - 146	3	30
2,6-Dinitrotoluene	2.0	U	40.0	41.8		ug/L		104	74 - 141	3	30
2-Chloronaphthalene	10	U	40.0	38.0		ug/L		95	52 - 131	1	30
2-Chlorophenol	10	U	40.0	31.6		ug/L		79	53 - 120	1	30
2-Methylnaphthalene	10	U	40.0	39.0		ug/L		98	44 - 120	0	30
2-Methylphenol	10	U	40.0	26.2		ug/L		66	44 - 120	4	30
2-Nitroaniline	10	U	40.0	38.0		ug/L		95	44 - 148	1	30
2-Nitrophenol	10	U	40.0	37.8		ug/L		94	60 - 125	2	30
3,3'-Dichlorobenzidine	10	U	40.0	29.3		ug/L		73	56 - 137	1	30
3-Nitroaniline	10	U	40.0	31.2		ug/L		78	54 - 120	4	30
4,6-Dinitro-2-methylphenol	20	U	80.0	85.4		ug/L		107	64 - 150	1	30
4-Bromophenyl phenyl ether	10	U	40.0	35.7		ug/L		89	62 - 136	5	30
4-Chloro-3-methylphenol	10	U	40.0	33.4		ug/L		83	61 - 120	2	30
4-Chloroaniline	10	U	40.0	27.1		ug/L		68	51 - 127	2	30
4-Chlorophenyl phenyl ether	10	U	40.0	39.2		ug/L		98	59 - 135	2	30
4-Methylphenol	10	U	40.0	23.0		ug/L		58	37 - 120	5	30
4-Nitroaniline	10	U	40.0	34.1		ug/L		85	52 - 141	5	30
4-Nitrophenol	20	U	80.0	29.9		ug/L		37	10 - 120	9	30
Acenaphthene	10	U	40.0	38.9		ug/L		97	57 - 132	0	30
Acenaphthylene	10	U	40.0	36.3		ug/L		91	54 - 120	1	30
Acetophenone	10	U	40.0	38.2		ug/L		96	62 - 120	4	30
Anthracene	10	U	40.0	37.5		ug/L		94	65 - 120	1	30
Atrazine	2.0	U	40.0	50.7		ug/L		127	10 - 150	12	30
Benzaldehyde	10	U	40.0	43.6	E	ug/L		109	10 - 150	8	30
Benzo[a]anthracene	1.0	U	40.0	42.4		ug/L		106	67 - 132	1	30
Benzo[a]pyrene	1.0	U	40.0	43.4		ug/L		108	60 - 126	2	30
Benzo[b]fluoranthene	2.0	U	40.0	40.3		ug/L		101	66 - 136	2	30
Benzo[g,h,i]perylene	10	U	40.0	37.5		ug/L		94	59 - 150	5	30
Benzo[k]fluoranthene	1.0	U	40.0	39.8		ug/L		100	64 - 135	1	30
Bis(2-chloroethoxy)methane	10	U	40.0	36.9		ug/L		92	60 - 120	1	30
Bis(2-chloroethyl)ether	1.0	U	40.0	36.8		ug/L		92	55 - 120	3	30
Bis(2-ethylhexyl) phthalate	2.0	U	40.0	49.1		ug/L		123	60 - 150	1	30
Butyl benzyl phthalate	10	U	40.0	48.3		ug/L		121	63 - 147	3	30
Caprolactam	10	U	40.0	12.5		ug/L		31	10 - 120	26	30
Carbazole	10	U	40.0	38.2		ug/L		95	65 - 129	1	30
Chrysene	2.0	U	40.0	41.6		ug/L		104	63 - 127	2	30
Dibenz(a,h)anthracene	1.0	U	40.0	41.3		ug/L		103	62 - 150	1	30
Dibenzofuran	10	U	40.0	38.9		ug/L		97	58 - 132	0	30
Diethyl phthalate	10	U	40.0	41.9		ug/L		105	70 - 129	5	30

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-300522-E-4-C MSD
Client Sample ID: Matrix Spike Duplicate
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965598
Prep Batch: 965565

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dimethyl phthalate	10	U	40.0	40.3		ug/L		101	72 - 131	1	30
Di-n-butyl phthalate	10	U	40.0	46.3		ug/L		116	66 - 133	0	30
Di-n-octyl phthalate	10	U	40.0	47.0		ug/L		117	36 - 150	2	30
Fluoranthene	10	U	40.0	41.0		ug/L		102	65 - 130	2	30
Fluorene	10	U	40.0	38.9		ug/L		97	63 - 133	2	30
Hexachlorobenzene	1.0	U	40.0	37.6		ug/L		94	61 - 142	6	30
Hexachlorobutadiene	1.0	U	40.0	38.9		ug/L		97	21 - 120	2	30
Hexachlorocyclopentadiene	10	U	40.0	22.3		ug/L		56	14 - 135	5	30
Hexachloroethane	2.0	U	40.0	37.8		ug/L		94	16 - 120	3	30
Indeno[1,2,3-cd]pyrene	2.0	U	40.0	45.5		ug/L		114	65 - 150	4	30
Isophorone	10	U	40.0	38.7		ug/L		97	61 - 121	1	30
Naphthalene	2.0	U	40.0	37.3		ug/L		93	43 - 120	2	30
Nitrobenzene	1.0	U	40.0	38.6		ug/L		96	64 - 120	2	30
N-Nitrosodi-n-propylamine	1.0	U	40.0	38.5		ug/L		96	53 - 120	5	30
N-Nitrosodiphenylamine	10	U	40.0	36.7		ug/L		92	63 - 120	5	30
Pentachlorophenol	20	U	80.0	82.6		ug/L		103	51 - 150	2	30
Phenanthrene	10	U	40.0	37.4		ug/L		94	65 - 120	3	30
Phenol	10	U	40.0	13.7		ug/L		34	17 - 120	3	30
Pyrene	10	U	40.0	39.9		ug/L		100	56 - 144	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*37 - 150*
2-Fluorobiphenyl	*87*		*46 - 139*
2-Fluorophenol (Surr)	*45*		*16 - 80*
Nitrobenzene-d5 (Surr)	*91*		*51 - 145*
Phenol-d5 (Surr)	*31*		*10 - 56*
Terphenyl-d14 (Surr)	*51*		*13 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-965331/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1016	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1221	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1232	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1242	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1248	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1254	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1260	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-965331/1-A
Client Sample ID: Method Blank
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor 1268	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Aroclor-1262	0.40	U	0.40	0.11	ug/L		03/21/24 20:26	03/22/24 08:08	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1
Polychlorinated biphenyls, Total	0.40	U	0.40	0.12	ug/L		03/21/24 20:26	03/22/24 08:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*10 - 150*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
DCB Decachlorobiphenyl	*82*		*10 - 150*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
Tetrachloro-m-xylene	*81*		*10 - 147*	*03/21/24 20:26*	*03/22/24 08:08*	*1*
Tetrachloro-m-xylene	*84*		*10 - 147*	*03/21/24 20:26*	*03/22/24 08:08*	*1*

Lab Sample ID: LCS 460-965331/2-A
Client Sample ID: Lab Control Sample
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Aroclor 1016			4.00	2.92		ug/L		73	48 - 123		
Aroclor 1016			4.00	3.17		ug/L		79	48 - 123		
Aroclor 1260			4.00	3.08		ug/L		77	47 - 129		
Aroclor 1260			4.00	3.17		ug/L		79	47 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*88*		*10 - 150*
DCB Decachlorobiphenyl	*90*		*10 - 150*
Tetrachloro-m-xylene	*87*		*10 - 147*
Tetrachloro-m-xylene	*89*		*10 - 147*

Lab Sample ID: LCSD 460-965331/3-A
Client Sample ID: Lab Control Sample Dup
Matrix: Water
Prep Type: Total/NA
Analysis Batch: 965367
Prep Batch: 965331

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Aroclor 1016			4.00	2.99		ug/L		75	48 - 123	2	30
Aroclor 1016			4.00	3.22		ug/L		80	48 - 123	2	30
Aroclor 1260			4.00	3.14		ug/L		78	47 - 129	2	30
Aroclor 1260			4.00	3.23		ug/L		81	47 - 129	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*86*		*10 - 150*
DCB Decachlorobiphenyl	*88*		*10 - 150*
Tetrachloro-m-xylene	*81*		*10 - 147*
Tetrachloro-m-xylene	*86*		*10 - 147*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-965324/1-A
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 965324

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/21/24 19:20	03/23/24 15:18	1
Barium	4.0	U	4.0	0.93	ug/L		03/21/24 19:20	03/23/24 15:18	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/21/24 19:20	03/23/24 15:18	1
Chromium	4.0	U	4.0	1.7	ug/L		03/21/24 19:20	03/23/24 15:18	1
Lead	1.2	U	1.2	0.42	ug/L		03/21/24 19:20	03/23/24 15:18	1
Selenium	2.5	U	2.5	0.43	ug/L		03/21/24 19:20	03/23/24 15:18	1
Silver	2.0	U	2.0	1.3	ug/L		03/21/24 19:20	03/23/24 15:18	1

Lab Sample ID: LCS 460-965324/2-A
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 965324

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	47.08		ug/L		94	80 - 120
Barium	50.0	46.77		ug/L		94	80 - 120
Cadmium	25.0	24.94		ug/L		100	80 - 120
Chromium	50.0	47.37		ug/L		95	80 - 120
Lead	25.0	24.38		ug/L		98	80 - 120
Selenium	50.0	49.29		ug/L		99	80 - 120
Silver	25.0	25.00		ug/L		100	80 - 120

Lab Sample ID: 460-300349-J-1-C MS
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 965324

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	3.5		50.0	52.80		ug/L		99	75 - 125
Barium	57.7		50.0	107.3		ug/L		99	75 - 125
Cadmium	2.0	U	25.0	25.53		ug/L		102	75 - 125
Chromium	4.0	U	50.0	47.47		ug/L		95	75 - 125
Lead	2.8		25.0	28.87		ug/L		104	75 - 125
Selenium	2.5	U	50.0	51.63		ug/L		103	75 - 125
Silver	2.0	U	25.0	25.12		ug/L		100	75 - 125

Lab Sample ID: 460-300349-J-1-B DU
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Duplicate
Prep Type: Total Recoverable
Prep Batch: 965324

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	3.5		3.38		ug/L		5	20
Barium	57.7		58.85		ug/L		2	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Lead	2.8		2.84		ug/L		0.8	20
Selenium	2.5	U	2.5	U	ug/L		NC	20
Silver	2.0	U	2.0	U	ug/L		NC	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-965991/2-A
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 965991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	50.0	48.69		ug/L		97	80 - 120
Barium	50.0	47.71		ug/L		95	80 - 120
Cadmium	25.0	24.22		ug/L		97	80 - 120
Chromium	50.0	49.12		ug/L		98	80 - 120
Lead	25.0	23.69		ug/L		95	80 - 120
Selenium	50.0	49.21		ug/L		98	80 - 120
Silver	25.0	24.10		ug/L		96	80 - 120

Lab Sample ID: MB 460-965990/1-B
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 965991

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.0	U	2.0	1.2	ug/L		03/26/24 11:50	03/26/24 16:40	1
Barium	4.0	U	4.0	0.93	ug/L		03/26/24 11:50	03/26/24 16:40	1
Cadmium	2.0	U	2.0	0.38	ug/L		03/26/24 11:50	03/26/24 16:40	1
Chromium	4.0	U	4.0	1.7	ug/L		03/26/24 11:50	03/26/24 16:40	1
Lead	1.2	U	1.2	0.42	ug/L		03/26/24 11:50	03/26/24 16:40	1
Selenium	2.5	U	2.5	0.43	ug/L		03/26/24 11:50	03/26/24 16:40	1
Silver	2.0	U	2.0	1.3	ug/L		03/26/24 11:50	03/26/24 16:40	1

Lab Sample ID: 460-300484-H-2-N MS
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	2.0	U	50.0	51.26		ug/L		103	75 - 125
Barium	71.1		50.0	119.3		ug/L		96	75 - 125
Cadmium	2.0	U	25.0	24.78		ug/L		99	75 - 125
Chromium	4.0	U	50.0	48.89		ug/L		98	75 - 125
Lead	1.2	U	25.0	24.74		ug/L		99	75 - 125
Selenium	0.67	J	50.0	53.08		ug/L		105	75 - 125
Silver	2.0	U	25.0	19.14		ug/L		77	75 - 125

Lab Sample ID: 460-300484-H-2-O MSD
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.0	U	50.0	52.20		ug/L		104	75 - 125	2	20
Barium	71.1		50.0	121.2		ug/L		100	75 - 125	2	20
Cadmium	2.0	U	25.0	25.22		ug/L		101	75 - 125	2	20
Chromium	4.0	U	50.0	48.99		ug/L		98	75 - 125	0	20
Lead	1.2	U	25.0	24.94		ug/L		100	75 - 125	1	20
Selenium	0.67	J	50.0	54.40		ug/L		107	75 - 125	2	20
Silver	2.0	U	25.0	19.40		ug/L		78	75 - 125	1	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-300484-H-2-L DU
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 965991

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	2.0	U	2.0	U	ug/L		NC	20
Barium	71.1		72.47		ug/L		2	20
Cadmium	2.0	U	2.0	U	ug/L		NC	20
Chromium	4.0	U	4.0	U	ug/L		NC	20
Lead	1.2	U	1.2	U	ug/L		NC	20
Selenium	0.67	J	0.794	J	ug/L		17	20
Silver	2.0	U	2.0	U	ug/L		NC	20

Lab Sample ID: LRC 460-965664/12
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	4991		ug/L		100	90 - 110
Barium	20000	19210		ug/L		96	90 - 110
Cadmium	5000	5047		ug/L		101	90 - 110
Chromium	20000	18780		ug/L		94	90 - 110
Lead	20000	19150		ug/L		96	90 - 110

Lab Sample ID: LRC 460-965664/14
Matrix: Water
Analysis Batch: 965664

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	3006		ug/L		100	90 - 110
Silver	1000	958.4		ug/L		96	90 - 110

Lab Sample ID: LRC 460-966084/13
Matrix: Water
Analysis Batch: 966084

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	3039		ug/L		101	90 - 110
Silver	1000	971.8		ug/L		97	90 - 110

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-965997/1-A
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 13:18	03/26/24 14:26	1

Lab Sample ID: LCS 460-965997/2-A
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	1.00	0.908		ug/L		91	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 460-300430-3 MS
Matrix: Water
Analysis Batch: 966040

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.22		ug/L		122	75 - 125

Lab Sample ID: 460-300430-3 DU
Matrix: Water
Analysis Batch: 966040

Client Sample ID: MW-13
Prep Type: Total/NA
Prep Batch: 965997

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Lab Sample ID: MB 460-966001/1-B
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 966002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20	U	0.20	0.091	ug/L		03/26/24 14:28	03/26/24 15:18	1

Lab Sample ID: 460-299463-Q-1-C MS
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 966002

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.20	U	1.00	1.04		ug/L		104	75 - 125

Lab Sample ID: 460-299463-Q-1-D MSD
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 966002

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.20	U	1.00	1.00		ug/L		100	75 - 125	4	20

Lab Sample ID: 460-299463-Q-1-B DU
Matrix: Water
Analysis Batch: 966040

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 966002

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.20	U	0.20	U	ug/L		NC	20

Method: 9012B - Cyanide, Total andor Amenable

Lab Sample ID: MB 460-965662/12-A
Matrix: Water
Analysis Batch: 965699

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 965662

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Total	0.010	U	0.010	0.0040	mg/L		03/24/24 12:08	03/24/24 15:32	1

Method: 9012B - Cyanide, Total andor Amenable (Continued)

Lab Sample ID: LCS 460-965662/13-A
Matrix: Water
Analysis Batch: 965699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965662

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.100	0.108		mg/L		108	85 - 115		

Lab Sample ID: MRL 460-965662/11-A
Matrix: Water
Analysis Batch: 965699

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 965662

Analyte			Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total			0.0100	0.0101		mg/L		101	50 - 150		

Lab Sample ID: 460-300430-1 MS
Matrix: Water
Analysis Batch: 965699

Client Sample ID: MW-18R
Prep Type: Total/NA
Prep Batch: 965662

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Cyanide, Total	0.0071	J	0.200	0.207		mg/L		100	90 - 110		

Lab Sample ID: 460-300430-1 MSD
Matrix: Water
Analysis Batch: 965699

Client Sample ID: MW-18R
Prep Type: Total/NA
Prep Batch: 965662

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Cyanide, Total	0.0071	J	0.200	0.227		mg/L		110	90 - 110	9	35

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	Surrogate is outside acceptance limits.
*	MS or MSD is outside acceptance limits.
*	Duplicate RPD exceeds control limits
E	Compound concentration exceeds the upper level of the calibration range of the instrument for that specific analysis.
J	Indicates an estimated value.
U	Analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 965476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	8260D	
460-300430-2	MW-15	Total/NA	Water	8260D	
460-300430-3	MW-13	Total/NA	Water	8260D	
MB 460-965476/8	Method Blank	Total/NA	Water	8260D	
LCS 460-965476/3	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-965476/4	Lab Control Sample Dup	Total/NA	Water	8260D	

GC/MS Semi VOA

Analysis Batch: 965372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-2	MW-15	Total/NA	Water	8270E	965454
460-300430-3	MW-13	Total/NA	Water	8270E	965454
MB 460-965454/1-A	Method Blank	Total/NA	Water	8270E	965454
460-300484-D-2-C MS	Matrix Spike	Total/NA	Water	8270E	965454
460-300484-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	965454

Prep Batch: 965454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-2	MW-15	Total/NA	Water	3510C	
460-300430-3	MW-13	Total/NA	Water	3510C	
MB 460-965454/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-965454/17-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-965454/18-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-300484-D-2-C MS	Matrix Spike	Total/NA	Water	3510C	
460-300484-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 965547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-965454/17-A	Lab Control Sample	Total/NA	Water	8270E	965454
LCSD 460-965454/18-A	Lab Control Sample Dup	Total/NA	Water	8270E	965454

Prep Batch: 965565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	3510C	
MB 460-965565/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-965565/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-965565/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-300522-E-4-B MS	Matrix Spike	Total/NA	Water	3510C	
460-300522-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Analysis Batch: 965598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	8270E	965565
MB 460-965565/1-A	Method Blank	Total/NA	Water	8270E	965565
LCS 460-965565/2-A	Lab Control Sample	Total/NA	Water	8270E	965565
LCSD 460-965565/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	965565
460-300522-E-4-B MS	Matrix Spike	Total/NA	Water	8270E	965565
460-300522-E-4-C MSD	Matrix Spike Duplicate	Total/NA	Water	8270E	965565

GC Semi VOA

Prep Batch: 965331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	3510C	
460-300430-2	MW-15	Total/NA	Water	3510C	
460-300430-3	MW-13	Total/NA	Water	3510C	
MB 460-965331/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-965331/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-965331/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 965367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	8082A	965331
460-300430-2	MW-15	Total/NA	Water	8082A	965331
460-300430-3	MW-13	Total/NA	Water	8082A	965331
MB 460-965331/1-A	Method Blank	Total/NA	Water	8082A	965331
LCS 460-965331/2-A	Lab Control Sample	Total/NA	Water	8082A	965331
LCSD 460-965331/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	965331

Metals

Prep Batch: 965324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total Recoverable	Water	3005A	
460-300430-2	MW-15	Total Recoverable	Water	3005A	
460-300430-3	MW-13	Total Recoverable	Water	3005A	
MB 460-965324/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 460-965324/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-300349-J-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
460-300349-J-1-B DU	Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 965664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total Recoverable	Water	6020B	965324
460-300430-2	MW-15	Total Recoverable	Water	6020B	965324
460-300430-3	MW-13	Total Recoverable	Water	6020B	965324
MB 460-965324/1-A	Method Blank	Total Recoverable	Water	6020B	965324
LCS 460-965324/2-A	Lab Control Sample	Total Recoverable	Water	6020B	965324
LRC 460-965664/12	Lab Control Sample		Water	6020B	
LRC 460-965664/13	Lab Control Sample		Water	6020B	
LRC 460-965664/14	Lab Control Sample		Water	6020B	
460-300349-J-1-C MS	Matrix Spike	Total Recoverable	Water	6020B	965324
460-300349-J-1-B DU	Duplicate	Total Recoverable	Water	6020B	965324

Filtration Batch: 965990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	FILTRATION	
460-300430-2	MW-15	Dissolved	Water	FILTRATION	
460-300430-3	MW-13	Dissolved	Water	FILTRATION	
MB 460-965990/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-300484-H-2-N MS	Matrix Spike	Dissolved	Water	FILTRATION	
460-300484-H-2-O MSD	Matrix Spike Duplicate	Dissolved	Water	FILTRATION	
460-300484-H-2-L DU	Duplicate	Dissolved	Water	FILTRATION	

Metals

Prep Batch: 965991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	3005A	965990
460-300430-2	MW-15	Dissolved	Water	3005A	965990
460-300430-3	MW-13	Dissolved	Water	3005A	965990
MB 460-965990/1-B	Method Blank	Dissolved	Water	3005A	965990
LCS 460-965991/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
460-300484-H-2-N MS	Matrix Spike	Dissolved	Water	3005A	965990
460-300484-H-2-O MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	965990
460-300484-H-2-L DU	Duplicate	Dissolved	Water	3005A	965990

Prep Batch: 965997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	7470A	
460-300430-2	MW-15	Total/NA	Water	7470A	
460-300430-3	MW-13	Total/NA	Water	7470A	
MB 460-965997/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-965997/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-300430-3 MS	MW-13	Total/NA	Water	7470A	
460-300430-3 DU	MW-13	Total/NA	Water	7470A	

Filtration Batch: 966001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	FILTRATION	
460-300430-2	MW-15	Dissolved	Water	FILTRATION	
460-300430-3	MW-13	Dissolved	Water	FILTRATION	
MB 460-966001/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 966002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	7470A	966001
460-300430-2	MW-15	Dissolved	Water	7470A	966001
460-300430-3	MW-13	Dissolved	Water	7470A	966001
MB 460-966001/1-B	Method Blank	Dissolved	Water	7470A	966001
460-299463-Q-1-C MS	Matrix Spike	Dissolved	Water	7470A	
460-299463-Q-1-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	
460-299463-Q-1-B DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 966040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	7470A	966002
460-300430-1	MW-18R	Total/NA	Water	7470A	965997
460-300430-2	MW-15	Dissolved	Water	7470A	966002
460-300430-2	MW-15	Total/NA	Water	7470A	965997
460-300430-3	MW-13	Dissolved	Water	7470A	966002
460-300430-3	MW-13	Total/NA	Water	7470A	965997
MB 460-965997/1-A	Method Blank	Total/NA	Water	7470A	965997
MB 460-966001/1-B	Method Blank	Dissolved	Water	7470A	966002
LCS 460-965997/2-A	Lab Control Sample	Total/NA	Water	7470A	965997
460-299463-Q-1-C MS	Matrix Spike	Dissolved	Water	7470A	966002
460-299463-Q-1-D MSD	Matrix Spike Duplicate	Dissolved	Water	7470A	966002
460-300430-3 MS	MW-13	Total/NA	Water	7470A	965997
460-299463-Q-1-B DU	Duplicate	Dissolved	Water	7470A	966002

Metals (Continued)

Analysis Batch: 966040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-3 DU	MW-13	Total/NA	Water	7470A	965997

Analysis Batch: 966084

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Dissolved	Water	6020B	965991
460-300430-2	MW-15	Dissolved	Water	6020B	965991
460-300430-3	MW-13	Dissolved	Water	6020B	965991
MB 460-965990/1-B	Method Blank	Dissolved	Water	6020B	965991
LCS 460-965991/2-A	Lab Control Sample	Total Recoverable	Water	6020B	965991
LRC 460-966084/13	Lab Control Sample		Water	6020B	
LRC 460-966084/14	Lab Control Sample		Water	6020B	
460-300484-H-2-N MS	Matrix Spike	Dissolved	Water	6020B	965991
460-300484-H-2-O MSD	Matrix Spike Duplicate	Dissolved	Water	6020B	965991
460-300484-H-2-L DU	Duplicate	Dissolved	Water	6020B	965991

General Chemistry

Prep Batch: 965662

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	9012B	
460-300430-2	MW-15	Total/NA	Water	9012B	
460-300430-3	MW-13	Total/NA	Water	9012B	
MB 460-965662/12-A	Method Blank	Total/NA	Water	9012B	
LCS 460-965662/13-A	Lab Control Sample	Total/NA	Water	9012B	
MRL 460-965662/11-A	Lab Control Sample	Total/NA	Water	9012B	
460-300430-1 MS	MW-18R	Total/NA	Water	9012B	
460-300430-1 MSD	MW-18R	Total/NA	Water	9012B	

Analysis Batch: 965699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-300430-1	MW-18R	Total/NA	Water	9012B	965662
460-300430-2	MW-15	Total/NA	Water	9012B	965662
460-300430-3	MW-13	Total/NA	Water	9012B	965662
MB 460-965662/12-A	Method Blank	Total/NA	Water	9012B	965662
LCS 460-965662/13-A	Lab Control Sample	Total/NA	Water	9012B	965662
MRL 460-965662/11-A	Lab Control Sample	Total/NA	Water	9012B	965662
460-300430-1 MS	MW-18R	Total/NA	Water	9012B	965662
460-300430-1 MSD	MW-18R	Total/NA	Water	9012B	965662

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300430-1

Client Sample ID: MW-18R

Date Collected: 03/20/24 08:00
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965476	SZD	EET EDI	03/23/24 01:38
Total/NA	Prep	3510C			965565	NMP	EET EDI	03/23/24 07:39
Total/NA	Analysis	8270E		1	965598	YAH	EET EDI	03/23/24 17:18
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 14:48
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:25
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:53
Dissolved	Filtration	FILTRATION			966001	RBS	EET EDI	03/26/24 14:25
Dissolved	Prep	7470A			966002	RBS	EET EDI	03/26/24 14:28
Dissolved	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 16:04
Total/NA	Prep	7470A			965997	RBS	EET EDI	03/26/24 13:18
Total/NA	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 15:00
Total/NA	Prep	9012B			965662	VBG	EET EDI	03/24/24 12:08
Total/NA	Analysis	9012B		1	965699	VBG	EET EDI	03/24/24 15:52

Client Sample ID: MW-15

Date Collected: 03/20/24 09:20
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965476	SZD	EET EDI	03/23/24 02:17
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 15:37
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 15:05
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:27
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:55
Dissolved	Filtration	FILTRATION			966001	RBS	EET EDI	03/26/24 14:25
Dissolved	Prep	7470A			966002	RBS	EET EDI	03/26/24 14:28
Dissolved	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 16:10
Total/NA	Prep	7470A			965997	RBS	EET EDI	03/26/24 13:18
Total/NA	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 15:02
Total/NA	Prep	9012B			965662	VBG	EET EDI	03/24/24 12:08
Total/NA	Analysis	9012B		1	965699	VBG	EET EDI	03/24/24 15:50

Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Project/Site: Powerhouse, Brooklyn, NY

Job ID: 460-300430-1

Client Sample ID: MW-13

Date Collected: 03/20/24 11:05
Date Received: 03/20/24 20:00

Lab Sample ID: 460-300430-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	965476	SZD	EET EDI	03/23/24 01:58
Total/NA	Prep	3510C			965454	NMP	EET EDI	03/22/24 09:13
Total/NA	Analysis	8270E		1	965372	DXD	EET EDI	03/22/24 15:59
Total/NA	Prep	3510C			965331	JMS	EET EDI	03/22/24 08:44
Total/NA	Analysis	8082A		1	965367	JHP	EET EDI	03/22/24 15:22
Dissolved	Filtration	FILTRATION			965990	YZH	EET EDI	03/26/24 11:34
Dissolved	Prep	3005A			965991	YZH	EET EDI	03/26/24 11:50
Dissolved	Analysis	6020B		1	966084	YZH	EET EDI	03/26/24 17:39
Total Recoverable	Prep	3005A			965324	GAE	EET EDI	03/21/24 19:20
Total Recoverable	Analysis	6020B		1	965664	LBD	EET EDI	03/23/24 15:57
Dissolved	Filtration	FILTRATION			966001	RBS	EET EDI	03/26/24 14:25
Dissolved	Prep	7470A			966002	RBS	EET EDI	03/26/24 14:28
Dissolved	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 16:11
Total/NA	Prep	7470A			965997	RBS	EET EDI	03/26/24 13:18
Total/NA	Analysis	7470A		1	966040	RBS	EET EDI	03/26/24 14:29
Total/NA	Prep	9012B			965662	VBG	EET EDI	03/24/24 12:08
Total/NA	Analysis	9012B		1	965699	VBG	EET EDI	03/24/24 15:51

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-300430-1
Project/Site: Powerhouse, Brooklyn, NY

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-24

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
524FREONS_00015	03/21/24	02/21/24	MeOH, Lot 22L0562016	50 mL	7 Freons_00003	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	50 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	50 ug/mL
							Chlorodifluoromethane	50 ug/mL
							Chlorotrifluoroethene	50 ug/mL
.7 Freons_00003	04/07/26		Absolute, Lot 040723		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
7 Freons Hi_00002	06/18/24	05/18/23	MeOH, Lot 22C2862010	5 mL	7 Freons_00001	1.25 mL	1,1,1-Trifluoro-2,2-dichloroethane	500 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	500 ug/mL
							Chlorodifluoromethane	500 ug/mL
							Chlorotrifluoroethene	500 ug/mL
.7 Freons_00001	04/07/26		Absolute, Lot 040723		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	2000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	2000 ug/mL
							Chlorodifluoromethane	2000 ug/mL
							Chlorotrifluoroethene	2000 ug/mL
8260 SP_00177	03/17/24	02/17/24	MeOH, Lot 22L0562016	10 mL	KetonesC SS_00016	200 uL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					Mega Mix SS_00020	200 uL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC SS_00016	02/28/26		RESTEK, Lot A0194631		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix SS_00020	08/31/25		RESTEK, Lot A0195252		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
8260MIX1COMB_00183	03/08/24	02/08/24	MeOH, Lot 22L0562016	50 mL	2-CEVEC_00028	1 mL	2-Chloroethyl vinyl ether	50.12 ug/mL
					EPICH(working_00013	500 uL	Epichlorohydrin	1000 ug/mL
					ETHANOL(new)_00020	1 mL	Ethanol	2000 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	50 ug/mL
							2,3-Dihydroindene	50 ug/mL
							2-Methyl-1,3-butadiene	50 ug/mL
							4-Ethyltoluene	50 ug/mL
							Amyl acetate (mixed isomers)	50 ug/mL
							Butyl Methacrylate	50 ug/mL
							Cyclopentene	50 ug/mL
							Isopropyl acetate	50 ug/mL
							Methyl acrylate	50 ug/mL
							n-Butyl acrylate	50 ug/mL
							n-Propyl acetate	50 ug/mL
							p-Diethylbenzene	50 ug/mL
							Pentane	100 ug/mL
					KetonesC_00027	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					LIST2/STD6_00020	1 mL	1,2,3-Trimethylbenzene	50 ug/mL
							1,3,5-Trichlorobenzene	50 ug/mL
							2-Chloro-1,3-butadiene	50 ug/mL
							2-Nitropropane	100 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzyl chloride	50 ug/mL
							Isooctane	50 ug/mL
							Isopropyl alcohol	500 ug/mL
							Methacrylonitrile	500 ug/mL
							n-Butanol	1250 ug/mL
					LIST2/STD7_00023	1 mL	Ethyl acetate	100 ug/mL
							Ethyl acrylate	50 ug/mL
							Methyl methacrylate	100 ug/mL
							n-Butyl acetate	50 ug/mL
					Mega Mix_00037	1 mL	1,1,1,2-Tetrachloroethane	50 ug/mL
							1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,1-Dichloropropene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,3-Trichloropropane	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2,4-Trimethylbenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3,5-Trimethylbenzene	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dichloropropane	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,2-Dichloropropane	50 ug/mL
							2-Chlorotoluene	50 ug/mL
							2-Methyl-2-propanol	500 ug/mL
							3-Chloro-1-propene	50 ug/mL
							4-Chlorotoluene	50 ug/mL
							4-Isopropyltoluene	50 ug/mL
							Acrylonitrile	500 ug/mL
							Benzene	50 ug/mL
							Bromobenzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dibromomethane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethyl ether	50 ug/mL
							Ethyl methacrylate	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexane	50 ug/mL
							Iodomethane	50 ug/mL
							Isobutyl alcohol	1250 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							n-Butylbenzene	50 ug/mL
							n-Heptane	50 ug/mL
							N-Propylbenzene	50 ug/mL
							Naphthalene	50 ug/mL
							o-Xylene	50 ug/mL
							sec-Butylbenzene	50 ug/mL
							Styrene	50 ug/mL
							tert-Butylbenzene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Tetrahydrofuran	100 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							trans-1,4-Dichloro-2-butene	50 ug/mL
							Trichloroethene	50 ug/mL
					POLAR ADD_00026	1 mL	Acetonitrile	500 ug/mL
							Isopropyl ether	50 ug/mL
							Propionitrile	500 ug/mL
							Tert-amyl methyl ether	50 ug/mL
							Tert-butyl ethyl ether	50 ug/mL
					Vinyl Acetate_00097	1 mL	Vinyl acetate	100 ug/mL
.2-CEVEC_00028	09/30/26		RESTEK, Lot A0202590		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT) 00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.ETHANOL(new) 00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.LIST2/STD6_00020	04/30/25		RESTEK, Lot A0203604		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00023	01/31/25		RESTEK, Lot A0200274		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.POLAR ADD_00026	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
8260MIX1COMB_00184	03/29/24	02/29/24	MeOH, Lot 22L0562016	50 mL	KetonesC_00027	1 mL	2-Butanone (MEK)	250 ug/mL
							2-Hexanone	250 ug/mL
							4-Methyl-2-pentanone (MIBK)	250 ug/mL
							Acetone	250 ug/mL
					Mega Mix_00037	1 mL	1,1,1-Trichloroethane	50 ug/mL
							1,1,2,2-Tetrachloroethane	50 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	50 ug/mL
							1,1,2-Trichloroethane	50 ug/mL
							1,1-Dichloroethane	50 ug/mL
							1,1-Dichloroethene	50 ug/mL
							1,2,3-Trichlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dibromo-3-Chloropropane	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Dichloroethane	50 ug/mL
							1,2-Dichloropropane	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	1000 ug/mL
							Benzene	50 ug/mL
							Bromoform	50 ug/mL
							Carbon disulfide	50 ug/mL
							Carbon tetrachloride	50 ug/mL
							Chlorobenzene	50 ug/mL
							Chlorobromomethane	50 ug/mL
							Chlorodibromomethane	50 ug/mL
							Chloroform	50 ug/mL
							cis-1,2-Dichloroethene	50 ug/mL
							cis-1,3-Dichloropropene	50 ug/mL
							Cyclohexane	50 ug/mL
							Dichlorobromomethane	50 ug/mL
							Ethylbenzene	50 ug/mL
							Ethylene Dibromide	50 ug/mL
							Isopropylbenzene	50 ug/mL
							m-Xylene & p-Xylene	50 ug/mL
							Methyl acetate	100 ug/mL
							Methyl tert-butyl ether	50 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylcyclohexane	50 ug/mL
							Methylene Chloride	50 ug/mL
							o-Xylene	50 ug/mL
							Styrene	50 ug/mL
							Tetrachloroethene	50 ug/mL
							Toluene	50 ug/mL
							trans-1,2-Dichloroethene	50 ug/mL
							trans-1,3-Dichloropropene	50 ug/mL
							Trichloroethene	50 ug/mL
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00037	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							Benzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	2500 ug/mL
							o-Xylene	2500 ug/mL
							Styrene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							Trichloroethene	2500 ug/mL
ACROLEIN W_00165	02/29/24	01/31/24	MeOH, Lot 22L0562016	10 mL	ACROLEIN_00024	250 uL	Acrolein	500 ug/mL
.ACROLEIN_00024	08/31/24		RESTEK, Lot A0194513		(Purchased Reagent)		Acrolein	20000 ug/mL
ACRY/EPIH MIX_00122	03/17/24	02/17/24	MeOH, Lot 22L0562016	10 mL	Acrylonitrile_00009	500 uL	Acrylonitrile	50 ug/mL
					EPICH(working_00013	12.5 uL	Epichlorohydrin	125 ug/mL
.Acrylonitrile_00009	11/18/24		ABSOLUTE, Lot 111821		(Purchased Reagent)		Acrylonitrile	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
BFB_00035							1,2-Dichloroethene, Total	
							1,3-Dichloropropene, Total	
							Tentatively Identified Compound	
							Total BTEX	
							Xylenes, Total	
					VMC21SU_00011	200 uL	4-Bromofluorobenzene	50 ug/mL
							BFB	50 ug/mL
.VMC21SU_00011	03/08/27		Absolute, Lot 030822		(Purchased Reagent)		4-Bromofluorobenzene	2500 ug/mL
							BFB	2500 ug/mL
Ethanol mix_00086	03/01/24	02/01/24	MeOH, Lot 22L0562016	5 mL	ETHANOL(new)_00020	1 mL	Ethanol	20000 ug/mL
.ETHANOL(new)_00020	03/31/26		RESTEK, Lot A0195429		(Purchased Reagent)		Ethanol	100000 ug/mL
GAS C SP_00555	02/24/24	02/17/24	MeOH, Lot 22L0562016	10 mL	GASES SS_00023	0.2 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES SS_00023	07/31/26		RESTEK, Lot A0200059		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GAS Hi_00463	02/29/24	02/15/24	MeOH, Lot 22L0562016	5 mL	GASES C_00040	1 mL	Bromomethane	500 ug/mL
							Butadiene	500 ug/mL
							Chloroethane	500 ug/mL
							Chloromethane	500 ug/mL
							Dichlorodifluoromethane	500 ug/mL
							Dichlorofluoromethane	500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichlorofluoromethane	500 ug/mL
							Vinyl chloride	500 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00572	02/24/24	02/17/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Butadiene	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Dichlorofluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Butadiene	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Dichlorofluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
GASES Li_00576	03/22/24	03/15/24	MeOH, Lot 22L0562016	25 mL	GASES C_00040	0.5 mL	Bromomethane	50 ug/mL
							Chloroethane	50 ug/mL
							Chloromethane	50 ug/mL
							Dichlorodifluoromethane	50 ug/mL
							Trichlorofluoromethane	50 ug/mL
							Vinyl chloride	50 ug/mL
.GASES C_00040	05/31/26		RESTEK, Lot A0198219		(Purchased Reagent)		Bromomethane	2500 ug/mL
							Chloroethane	2500 ug/mL
							Chloromethane	2500 ug/mL
							Dichlorodifluoromethane	2500 ug/mL
							Trichlorofluoromethane	2500 ug/mL
							Vinyl chloride	2500 ug/mL
Interm_ICV_00013	04/24/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-ICV-Int_00020	8 mL	Silver	80 ug/L
					ME_TA-Cal1-SS_00009	0.32 mL	Arsenic	160 ug/L
							Barium	160 ug/L
							Cadmium	160 ug/L
							Chromium	160 ug/L
							Lead	160 ug/L
							Selenium	160 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ME_ms-ICV-Int_00020	08/12/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-2nd_00006	0.4 mL	Silver	2000 ug/L
..ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
.ME_TA-Cal1-SS_00009	09/29/24	CPI International, Lot 1304460-1			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Lead	100000 ug/L
							Selenium	100000 ug/L
me_Cal2_00119	03/31/24	03/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_6020BRL_IV_00003	10 mL	Arsenic	10 ug/L
							Barium	20 ug/L
							Cadmium	10 ug/L
							Chromium	20 ug/L
							Lead	6 ug/L
							Selenium	12.5 ug/L
							Silver	10 ug/L
.ME_6020BRL_IV_00003	09/28/24	Inorganic Ventures, Lot U2-MEB736940			(Purchased Reagent)		Arsenic	200 ug/L
							Barium	400 ug/L
							Cadmium	200 ug/L
							Chromium	400 ug/L
							Lead	120 ug/L
							Selenium	250 ug/L
							Silver	200 ug/L
me_Cal5_00151	03/31/24	03/17/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-Cal-Int_00018	10 mL	Silver	100 ug/L
					ME_TA-Cal1_00014	0.4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Lead	200 ug/L
							Selenium	200 ug/L
.ME_ms-Cal-Int_00018	05/31/24	01/26/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.4 mL	Silver	2000 ug/L
..ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.ME_TA-Cal1_00014	10/10/24	CPI International, Lot 1370764			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Lead	100000 ug/L
							Selenium	100000 ug/L
ME_DCAL-IN_04542	03/27/24	03/26/24	0.15%HNO3, Lot ME_0.15%_HNO3_00113	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04272	03/27/24	03/26/24	0.15%HNO3, Lot ME_0.15%_HNO3_00114	100 mL	ME_Hg_00064	1 mL	Mercury	100 ug/L
.ME_Hg_00064	12/11/24	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
me_ICSA_00217	03/30/24	03/23/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_MS-ICSA_00011	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
.ME_MS-ICSA_00011	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
me_ICSAB_00180	03/30/24	03/23/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-1st_00005	0.04 mL	Silver	200 ug/L
					me_MS-ICSA_00012	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
					ME_ms_ICSAB_00007	4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Be	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Co	200 ug/L
							Cu	200 ug/L
							Lead	200 ug/L
							Mn	200 ug/L
							Ni	200 ug/L
							Sb	100 ug/L
							Selenium	200 ug/L
							Sn	200 ug/L
							Sr	200 ug/L
							Tl	100 ug/L
							V	200 ug/L
					ME_Zn-1st_00007	0.04 mL	Zn	200 ug/L
.ME_Ag-1st_00005	05/31/24	Agilent Technologies, Lot 0121197645			(Purchased Reagent)		Silver	1000000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
.ME_ms_ICSAB_00007	11/24/24	CPI International, Lot 1243971-1			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Be	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	10000 ug/L
							Co	10000 ug/L
							Cu	10000 ug/L
							Lead	10000 ug/L
							Mn	10000 ug/L
							Ni	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Tl	5000 ug/L
							V	10000 ug/L
.ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zn	1000000 ug/L
ME_ipmsSPK_00050	05/31/24	High-Purity Standards, Lot 2314637-500			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Lead	5000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
ME_ipmsSPK_00052	12/31/24	High-Purity Standards, Lot 2333357-500			(Purchased Reagent)		Al	500000 ug/L
							Arsenic	10000 ug/L
							B	100000 ug/L
							Barium	10000 ug/L
							Be	5000 ug/L
							Ca	500000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Co	5000 ug/L
							Cu	10000 ug/L
							Fe	500000 ug/L
							K	500000 ug/L
							Lead	5000 ug/L
							Mg	500000 ug/L
							Mn	50000 ug/L
							Mo	10000 ug/L
							Na	500000 ug/L

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ni	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Ti	10000 ug/L
							Tl	4000 ug/L
							V	10000 ug/L
							Zn	50000 ug/L
me_LR-A_00037	05/01/24	02/26/24	5%HCL:5%HNO3, Lot 11124408	500 mL	ME_As_00015	0.25 mL	Arsenic	5000 ug/L
					ME_Ba_00014	1 mL	Barium	20000 ug/L
					ME_Cd_00015	0.25 mL	Cadmium	5000 ug/L
					me_Cr_00019	1 mL	Chromium	20000 ug/L
					ME_Pb_00015	1 mL	Lead	20000 ug/L
.ME_As_00015	09/30/24		Agilent, Lot 0013387069		(Purchased Reagent)		Arsenic	10000000 ug/L
.ME_Ba_00014	08/22/24		CPI, Lot 1282477-2		(Purchased Reagent)		Barium	10000000 ug/L
.ME_Cd_00015	05/31/24		Agilent, Lot 0124065611		(Purchased Reagent)		Cadmium	10000000 ug/L
.me_Cr_00019	02/28/25		Agilent, Lot 0013615477		(Purchased Reagent)		Chromium	10000000 ug/L
.ME_Pb_00015	04/30/25		Agilent Technologies, Lot 0013824586		(Purchased Reagent)		Lead	10000000 ug/L
me_LR-C_00004	05/31/24	02/26/24	5%HCL:5%HNO3, Lot 11124409	500 mL	ME_Ag-1st_00005	0.5 mL	Silver	1000 ug/L
					ME_Se_00017	0.15 mL	Selenium	3000 ug/L
.ME_Ag-1st_00005	05/31/24		Agilent Technologies, Lot 0121197645		(Purchased Reagent)		Silver	1000000 ug/L
.ME_Se_00017	08/31/24		Agilent, Lot 0128504011		(Purchased Reagent)		Selenium	10000000 ug/L
MIX 2 Hi_00145	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	2-CEVEC_00027	1 mL	2-Chloroethyl vinyl ether	501.2 ug/mL
					Extra Cmpd_00021	1 mL	1,2,4,5-Tetramethylbenzene	500 ug/mL
							2,3-Dihydroindene	500 ug/mL
							2-Methyl-1,3-butadiene	500 ug/mL
							4-Ethyltoluene	500 ug/mL
							Amyl acetate (mixed isomers)	500 ug/mL
							Butyl Methacrylate	500 ug/mL
							Cyclopentene	500 ug/mL
							Isopropyl acetate	500 ug/mL
							Methyl acrylate	500 ug/mL
							n-Butyl acrylate	500 ug/mL
							n-Propyl acetate	500 ug/mL
							p-Diethylbenzene	500 ug/mL
							Pentane	1000 ug/mL
					LIST2/STD6_00019	1 mL	1,2,3-Trimethylbenzene	500 ug/mL
							1,3,5-Trichlorobenzene	500 ug/mL
							2-Chloro-1,3-butadiene	500 ug/mL
							2-Nitropropane	1000 ug/mL
							Benzyl chloride	500 ug/mL
							Isooctane	500 ug/mL
							Isopropyl alcohol	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methacrylonitrile	5000 ug/mL
							n-Butanol	12500 ug/mL
					LIST2/STD7_00022	1 mL	Ethyl acetate	1000 ug/mL
							Ethyl acrylate	500 ug/mL
							Methyl methacrylate	1000 ug/mL
							n-Butyl acetate	500 ug/mL
					POLAR ADD_00025	1 mL	Acetonitrile	5000 ug/mL
							Isopropyl ether	500 ug/mL
							Propionitrile	5000 ug/mL
							Tert-amyl methyl ether	500 ug/mL
							Tert-butyl ethyl ether	500 ug/mL
.2-CEVEC_00027	01/31/26		RESTEK, Lot A0193735		(Purchased Reagent)		2-Chloroethyl vinyl ether	2506 ug/mL
.Extra Cmpd_00021	09/29/25		Absolute, Lot 092922		(Purchased Reagent)		1,2,4,5-Tetramethylbenzene	2500 ug/mL
							2,3-Dihydroindene	2500 ug/mL
							2-Methyl-1,3-butadiene	2500 ug/mL
							4-Ethyltoluene	2500 ug/mL
							Amyl acetate (mixed isomers)	2500 ug/mL
							Butyl Methacrylate	2500 ug/mL
							Cyclopentene	2500 ug/mL
							Isopropyl acetate	2500 ug/mL
							Methyl acrylate	2500 ug/mL
							n-Butyl acrylate	2500 ug/mL
							n-Propyl acetate	2500 ug/mL
							p-Diethylbenzene	2500 ug/mL
							Pentane	5000 ug/mL
.LIST2/STD6_00019	09/30/24		RESTEK, Lot A0195733		(Purchased Reagent)		1,2,3-Trimethylbenzene	2500 ug/mL
							1,3,5-Trichlorobenzene	2500 ug/mL
							2-Chloro-1,3-butadiene	2500 ug/mL
							2-Nitropropane	5000 ug/mL
							Benzyl chloride	2500 ug/mL
							Isooctane	2500 ug/mL
							Isopropyl alcohol	25000 ug/mL
							Methacrylonitrile	25000 ug/mL
							n-Butanol	62500 ug/mL
.LIST2/STD7_00022	03/31/24		RESTEK, Lot A0189215		(Purchased Reagent)		Ethyl acetate	5000 ug/mL
							Ethyl acrylate	2500 ug/mL
							Methyl methacrylate	5000 ug/mL
							n-Butyl acetate	2500 ug/mL
.POLAR ADD_00025	02/28/25		RESTEK, Lot A0194786		(Purchased Reagent)		Acetonitrile	25000 ug/mL
							Isopropyl ether	2500 ug/mL
							Propionitrile	25000 ug/mL
							Tert-amyl methyl ether	2500 ug/mL
							Tert-butyl ethyl ether	2500 ug/mL
MIX I Hi_00173	02/29/24	01/31/24	MeOH, Lot 22L0562016	5 mL	EPICH(working_00013	0.5 mL	Epichlorohydrin	10000 ug/mL
					KetonesC_00027	1 mL	2-Butanone (MEK)	2500 ug/mL
							2-Hexanone	2500 ug/mL
							4-Methyl-2-pentanone (MIBK)	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	2500 ug/mL
					Mega Mix_00036	1 mL	1,1,1,2-Tetrachloroethane	500 ug/mL
							1,1,1-Trichloroethane	500 ug/mL
							1,1,2,2-Tetrachloroethane	500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	500 ug/mL
							1,1,2-Trichloroethane	500 ug/mL
							1,1-Dichloroethane	500 ug/mL
							1,1-Dichloroethene	500 ug/mL
							1,1-Dichloropropene	500 ug/mL
							1,2,3-Trichlorobenzene	500 ug/mL
							1,2,3-Trichloropropane	500 ug/mL
							1,2,4-Trichlorobenzene	500 ug/mL
							1,2,4-Trimethylbenzene	500 ug/mL
							1,2-Dibromo-3-Chloropropane	500 ug/mL
							1,2-Dichlorobenzene	500 ug/mL
							1,2-Dichloroethane	500 ug/mL
							1,2-Dichloropropane	500 ug/mL
							1,3,5-Trimethylbenzene	500 ug/mL
							1,3-Dichlorobenzene	500 ug/mL
							1,3-Dichloropropane	500 ug/mL
							1,4-Dichlorobenzene	500 ug/mL
							1,4-Dioxane	10000 ug/mL
							2,2-Dichloropropane	500 ug/mL
							2-Chlorotoluene	500 ug/mL
							2-Methyl-2-propanol	5000 ug/mL
							3-Chloro-1-propene	500 ug/mL
							4-Chlorotoluene	500 ug/mL
							4-Isopropyltoluene	500 ug/mL
							Acrylonitrile	5000 ug/mL
							Benzene	500 ug/mL
							Bromobenzene	500 ug/mL
							Bromoform	500 ug/mL
							Carbon disulfide	500 ug/mL
							Carbon tetrachloride	500 ug/mL
							Chlorobenzene	500 ug/mL
							Chlorobromomethane	500 ug/mL
							Chlorodibromomethane	500 ug/mL
							Chloroform	500 ug/mL
							cis-1,2-Dichloroethene	500 ug/mL
							cis-1,3-Dichloropropene	500 ug/mL
							Cyclohexane	500 ug/mL
							Dibromomethane	500 ug/mL
							Dichlorobromomethane	500 ug/mL
							Ethyl ether	500 ug/mL
							Ethyl methacrylate	500 ug/mL
							Ethylbenzene	500 ug/mL
							Ethylene Dibromide	500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	500 ug/mL
							Hexane	500 ug/mL
							Iodomethane	500 ug/mL
							Isobutyl alcohol	12500 ug/mL
							Isopropylbenzene	500 ug/mL
							m-Xylene & p-Xylene	500 ug/mL
							Methyl acetate	1000 ug/mL
							Methyl tert-butyl ether	500 ug/mL
							Methylcyclohexane	500 ug/mL
							Methylene Chloride	500 ug/mL
							n-Butylbenzene	500 ug/mL
							n-Heptane	500 ug/mL
							N-Propylbenzene	500 ug/mL
							Naphthalene	500 ug/mL
							o-Xylene	500 ug/mL
							sec-Butylbenzene	500 ug/mL
							Styrene	500 ug/mL
							tert-Butylbenzene	500 ug/mL
							Tetrachloroethene	500 ug/mL
							Tetrahydrofuran	1000 ug/mL
							Toluene	500 ug/mL
							trans-1,2-Dichloroethene	500 ug/mL
							trans-1,3-Dichloropropene	500 ug/mL
							trans-1,4-Dichloro-2-butene	500 ug/mL
							Trichloroethene	500 ug/mL
					Vinyl Acetate_00097	1 mL	Vinyl acetate	1000 ug/mL
.EPICH(working_00013	09/08/25	09/08/23	MeOH, Lot 22L0562016	10 mL	EPICHLO(NEAT)_00001	845.31 uL	Epichlorohydrin	100000 ug/mL
..EPICHLO(NEAT)_00001	09/24/25		FLUKA, Lot SHBD0368V		(Purchased Reagent)		Epichlorohydrin	1.183 g/g
.KetonesC_00027	01/31/26		RESTEK, Lot A0193494		(Purchased Reagent)		2-Butanone (MEK)	12500 ug/mL
							2-Hexanone	12500 ug/mL
							4-Methyl-2-pentanone (MIBK)	12500 ug/mL
							Acetone	12500 ug/mL
.Mega Mix_00036	09/30/24		RESTEK, Lot A0183568		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2500 ug/mL
							1,1,1-Trichloroethane	2500 ug/mL
							1,1,2,2-Tetrachloroethane	2500 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2500 ug/mL
							1,1,2-Trichloroethane	2500 ug/mL
							1,1-Dichloroethane	2500 ug/mL
							1,1-Dichloroethene	2500 ug/mL
							1,1-Dichloropropene	2500 ug/mL
							1,2,3-Trichlorobenzene	2500 ug/mL
							1,2,3-Trichloropropane	2500 ug/mL
							1,2,4-Trichlorobenzene	2500 ug/mL
							1,2,4-Trimethylbenzene	2500 ug/mL
							1,2-Dibromo-3-Chloropropane	2500 ug/mL
							1,2-Dichlorobenzene	2500 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichloroethane	2500 ug/mL
							1,2-Dichloropropane	2500 ug/mL
							1,3,5-Trimethylbenzene	2500 ug/mL
							1,3-Dichlorobenzene	2500 ug/mL
							1,3-Dichloropropane	2500 ug/mL
							1,4-Dichlorobenzene	2500 ug/mL
							1,4-Dioxane	50000 ug/mL
							2,2-Dichloropropane	2500 ug/mL
							2-Chlorotoluene	2500 ug/mL
							2-Methyl-2-propanol	25000 ug/mL
							3-Chloro-1-propene	2500 ug/mL
							4-Chlorotoluene	2500 ug/mL
							4-Isopropyltoluene	2500 ug/mL
							Acrylonitrile	25000 ug/mL
							Benzene	2500 ug/mL
							Bromobenzene	2500 ug/mL
							Bromoform	2500 ug/mL
							Carbon disulfide	2500 ug/mL
							Carbon tetrachloride	2500 ug/mL
							Chlorobenzene	2500 ug/mL
							Chlorobromomethane	2500 ug/mL
							Chlorodibromomethane	2500 ug/mL
							Chloroform	2500 ug/mL
							cis-1,2-Dichloroethene	2500 ug/mL
							cis-1,3-Dichloropropene	2500 ug/mL
							Cyclohexane	2500 ug/mL
							Dibromomethane	2500 ug/mL
							Dichlorobromomethane	2500 ug/mL
							Ethyl ether	2500 ug/mL
							Ethyl methacrylate	2500 ug/mL
							Ethylbenzene	2500 ug/mL
							Ethylene Dibromide	2500 ug/mL
							Hexachlorobutadiene	2500 ug/mL
							Hexane	2500 ug/mL
							Iodomethane	2500 ug/mL
							Isobutyl alcohol	62500 ug/mL
							Isopropylbenzene	2500 ug/mL
							m-Xylene & p-Xylene	2500 ug/mL
							Methyl acetate	5000 ug/mL
							Methyl tert-butyl ether	2500 ug/mL
							Methylcyclohexane	2500 ug/mL
							Methylene Chloride	2500 ug/mL
							n-Butylbenzene	2500 ug/mL
							n-Heptane	2500 ug/mL
							N-Propylbenzene	2500 ug/mL
							Naphthalene	2500 ug/mL
							o-Xylene	2500 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							sec-Butylbenzene	2500 ug/mL
							Styrene	2500 ug/mL
							tert-Butylbenzene	2500 ug/mL
							Tetrachloroethene	2500 ug/mL
							Tetrahydrofuran	5000 ug/mL
							Toluene	2500 ug/mL
							trans-1,2-Dichloroethene	2500 ug/mL
							trans-1,3-Dichloropropene	2500 ug/mL
							trans-1,4-Dichloro-2-butene	2500 ug/mL
							Trichloroethene	2500 ug/mL
.Vinyl Acetate_00097	01/31/25		RESTEK, Lot A0200199		(Purchased Reagent)		Vinyl acetate	5000 ug/mL
OP_Benzald_sp_00020	07/30/24		RESTEK, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_BNA SPIK_00051	07/30/24	12/05/23	Acetone, Lot 131184	200 mL	OP_Agilent456_00007	10 mL	1,3-Dimethylnaphthalene	100 ug/mL
							2-tertbutyl-4-methylphenol	100 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	100 ug/mL
							Benzonitrile	100 ug/mL
							Carbamazepine	100 ug/mL
							Coumarin	100 ug/mL
							n,n'-Dimethylaniline	100 ug/mL
							N-Methylaniline	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenyl ether	100 ug/mL
					OP_Agilent457_00004	10 mL	Bisphenol-A	50 ug/mL
					OP_BenzAcid_00014	10 mL	Benzoic acid	100 ug/mL
							Indene	100 ug/mL
					OP_MEGA_2017_00014	20 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					OP_std #1_BNA_00013	10 mL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.OP_Agilent456_00007	12/31/24		Agilent, Lot 6715186		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Benzonitrile	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_Agilent457_00004	12/31/24		Agilent, Lot 6715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.OP_BenzAcid_00014	07/30/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.OP_MEGA_2017_00014	05/31/25		Restek, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.OP_std #1_BNA_00013	08/31/24		Restek, Lot A0194453		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
OP_BNASurroga_00027	04/30/24	10/31/23	MeOH, Lot 268781	1000 mL	OP_BNA_SURR_00012	20 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.OP_BNA_SURR_00012	12/31/24		Agilent, Lot 6715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
OP_PCB SP_LVI_00018	08/12/24	02/13/24	Acetone, Lot 216864	50 mL	OP_PCBSP_00058	10 mL	Aroclor 1016	20 ug/mL
							Aroclor 1260	20 ug/mL
.OP_PCBSP_00058	08/13/24	02/13/24	Acetone, Lot 462008	100 mL	OP_AROCLOR_00022	10 mL	Aroclor 1016	100 ug/mL
							Aroclor 1260	100 ug/mL
..OP_AROCLOR_00022	05/31/29		RESTEK, Lot A0194496		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
OPPSPCBSU_LVI_00022	03/30/24	01/04/24	Acetone, Lot 2462008	100 mL	OPPSTPCBSURR_00030	20 mL	DCB Decachlorobiphenyl	2 ug/mL
							Tetrachloro-m-xylene	2 ug/mL
.OPPSTPCBSURR_00030	03/30/24	10/01/23	Acetone, Lot 137485	200 mL	OPPESTsurr_00011	10 mL	DCB Decachlorobiphenyl	10 ug/mL
							Tetrachloro-m-xylene	10 ug/mL
..OPPESTsurr_00011	03/30/27		Restek, Lot A0167624		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SG1221L4_00034	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1221-PCB_00003	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	1 ug/mL
							PCB-1221 Peak 4	1 ug/mL
							PCB-1221 Peak 5	1 ug/mL
							PCB-1221 Peak 6	1 ug/mL
							PCB-1221 Peak 7	1 ug/mL
							PCB-1221 Peak 8	1 ug/mL
.SG1221-PCB_00003	12/31/25		RESTEK, Lot A0152666		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
							PCB-1221 Peak 4	1000 ug/mL
							PCB-1221 Peak 5	1000 ug/mL
							PCB-1221 Peak 6	1000 ug/mL
							PCB-1221 Peak 7	1000 ug/mL
							PCB-1221 Peak 8	1000 ug/mL
SG1232L4_00036	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1232-PCB_00003	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
							PCB-1232 Peak 6	1 ug/mL
							PCB-1232 Peak 7	1 ug/mL
							PCB-1232 Peak 8	1 ug/mL
.SG1232-PCB_00003	01/31/26		RESTEK, Lot A0154078		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
							PCB-1232 Peak 6	1000 ug/mL
							PCB-1232 Peak 7	1000 ug/mL
							PCB-1232 Peak 8	1000 ug/mL
SG1242L4_00036	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1242-PCB_00002	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
							PCB-1242 Peak 6	1 ug/mL
							PCB-1242 Peak 7	1 ug/mL
							PCB-1242 Peak 8	1 ug/mL
.SG1242-PCB_00002	01/31/24		RESTEK, Lot A0131616		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
							PCB-1242 Peak 6	1000 ug/mL
							PCB-1242 Peak 7	1000 ug/mL
							PCB-1242 Peak 8	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SG1248L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1248-PCB_00003	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
							PCB-1248 Peak 6	1 ug/mL
							PCB-1248 Peak 7	1 ug/mL
							PCB-1248 Peak 8	1 ug/mL
.SG1248-PCB_00003	12/31/25		RESTEK, Lot A0152759		(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
							PCB-1248 Peak 6	1000 ug/mL
							PCB-1248 Peak 7	1000 ug/mL
							PCB-1248 Peak 8	1000 ug/mL
SG1254L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1254-PCB_00003	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
							PCB-1254 Peak 6	1 ug/mL
							PCB-1254 Peak 7	1 ug/mL
							PCB-1254 Peak 8	1 ug/mL
.SG1254-PCB_00003	11/30/25		RESTEK, Lot A0152362		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
							PCB-1254 Peak 6	1000 ug/mL
							PCB-1254 Peak 7	1000 ug/mL
							PCB-1254 Peak 8	1000 ug/mL
SG1262L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1262-PCB_00003	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
							PCB-1262 Peak 6	1 ug/mL
							PCB-1262 Peak 7	1 ug/mL
							PCB-1262 Peak 8	1 ug/mL
.SG1262-PCB_00003	07/30/26		RESTEK, Lot A0160426		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
							PCB-1262 Peak 6	1000 ug/mL
							PCB-1262 Peak 7	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 8	1000 ug/mL
SG1268L4_00035	01/20/24	01/20/23	Hexane, Lot 0000033895	100 mL	SG1268-PCB_00003	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
							PCB-1268 Peak 6	1 ug/mL
							PCB-1268 Peak 7	1 ug/mL
							PCB-1268 Peak 8	1 ug/mL
.SG1268-PCB_00003	09/30/26		RESTEK, Lot A0161438		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
							PCB-1268 Peak 6	1000 ug/mL
							PCB-1268 Peak 7	1000 ug/mL
							PCB-1268 Peak 8	1000 ug/mL
SG1660L1_00027	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	6.25 uL	DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
					SG-1660-PCB_00006	5 uL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1016 Peak 6	0.05 ug/mL
							PCB-1016 Peak 7	0.05 ug/mL
							PCB-1016 Peak 8	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
							PCB-1260 Peak 6	0.05 ug/mL
							PCB-1260 Peak 7	0.05 ug/mL
							PCB-1260 Peak 8	0.05 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L2_00036	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
					SG-1660-PCB_00006	50 uL	PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1016 Peak 6	0.5 ug/mL
							PCB-1016 Peak 7	0.5 ug/mL
							PCB-1016 Peak 8	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							PCB-1260 Peak 6	0.5 ug/mL
							PCB-1260 Peak 7	0.5 ug/mL
							PCB-1260 Peak 8	0.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L3_00043	08/08/24	08/08/23	Hexane, Lot 249555	500 mL	PESTSURRMIX_00011	250 uL	DCB Decachlorobiphenyl	0.1 ug/mL
							Tetrachloro-m-xylene	0.1 ug/mL
					SG-1660-PCB_00006	500 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
							PCB-1016 Peak 6	1 ug/mL
							PCB-1016 Peak 7	1 ug/mL
							PCB-1016 Peak 8	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
							PCB-1260 Peak 6	1 ug/mL
							PCB-1260 Peak 7	1 ug/mL
							PCB-1260 Peak 8	1 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L3_00043	08/08/24	08/08/23	Hexane, Lot 249555	500 mL	SG-1660-PCB_00006	500 uL	Aroclor 1016	1 ug/mL
							Aroclor 1260	1 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
SG1660L4_00035	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	75 uL	DCB Decachlorobiphenyl	0.15 ug/mL
							Tetrachloro-m-xylene	0.15 ug/mL
					SG-1660-PCB_00006	150 uL	PCB-1016 Peak 1	1.5 ug/mL
							PCB-1016 Peak 2	1.5 ug/mL
							PCB-1016 Peak 3	1.5 ug/mL
							PCB-1016 Peak 4	1.5 ug/mL
							PCB-1016 Peak 5	1.5 ug/mL
							PCB-1016 Peak 6	1.5 ug/mL
							PCB-1016 Peak 7	1.5 ug/mL
							PCB-1016 Peak 8	1.5 ug/mL
							PCB-1260 Peak 1	1.5 ug/mL
							PCB-1260 Peak 2	1.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1260 Peak 3	1.5 ug/mL
							PCB-1260 Peak 4	1.5 ug/mL
							PCB-1260 Peak 5	1.5 ug/mL
							PCB-1260 Peak 6	1.5 ug/mL
							PCB-1260 Peak 7	1.5 ug/mL
							PCB-1260 Peak 8	1.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SG1660L5_00035	08/08/24	08/08/23	Hexane, Lot 249555	100 mL	PESTSURRMIX_00011	100 uL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
					SG-1660-PCB_00006	250 uL	PCB-1016 Peak 1	2.5 ug/mL
							PCB-1016 Peak 2	2.5 ug/mL
							PCB-1016 Peak 3	2.5 ug/mL
							PCB-1016 Peak 4	2.5 ug/mL
							PCB-1016 Peak 5	2.5 ug/mL
							PCB-1016 Peak 6	2.5 ug/mL
							PCB-1016 Peak 7	2.5 ug/mL
							PCB-1016 Peak 8	2.5 ug/mL
							PCB-1260 Peak 1	2.5 ug/mL
							PCB-1260 Peak 2	2.5 ug/mL
							PCB-1260 Peak 3	2.5 ug/mL
							PCB-1260 Peak 4	2.5 ug/mL
							PCB-1260 Peak 5	2.5 ug/mL
							PCB-1260 Peak 6	2.5 ug/mL
							PCB-1260 Peak 7	2.5 ug/mL
							PCB-1260 Peak 8	2.5 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
.SG-1660-PCB_00006	04/30/27		RESTEK, Lot A0167738		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1016 Peak 6	1000 ug/mL
							PCB-1016 Peak 7	1000 ug/mL
							PCB-1016 Peak 8	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
							PCB-1260 Peak 6	1000 ug/mL
							PCB-1260 Peak 7	1000 ug/mL
							PCB-1260 Peak 8	1000 ug/mL
SGPCBICV_00032	08/08/24	08/08/23	Hexane, Lot 249555	200 mL	SG1660SecPCB_00005	200 uL	Aroclor 1016	1 ug/mL
							Aroclor 1260	1 ug/mL
.SG1660SecPCB_00005	02/28/25		RESTEK, Lot A0143130		(Purchased Reagent)		Aroclor 1016	1000 ug/mL
							Aroclor 1260	1000 ug/mL
SGPCBISTD_00029	09/20/24	09/21/23	Hexane, Lot 33895	1000 mL	SGPCBISTD_00026	1000 uL	1-Bromo-2-nitrobenzene	1000 ppb
.SGPCBISTD_00026	06/30/25		RESTEK, Lot A0182850		(Purchased Reagent)		1-Bromo-2-nitrobenzene	1000 ug/mL
SGPIBLK_00035	04/17/24	04/17/23	Hexane, Lot J33E40	1000 mL	PESTSURRMIX_00011	100 uL	DCB Decachlorobiphenyl	0.02 ug/mL
							Tetrachloro-m-xylene	0.02 ug/mL
.PESTSURRMIX_00011	10/31/25		RESTEK, Lot A0150871		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
SM_ISTD_LVI_00196	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_ISTD_00196	10 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
.SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMDFTP_CH_00036							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
					SMDFTTP_CH_00021	2.5 mL	4,4'-DDT	25 ug/mL
							Benzidine_T	25 ug/mL
							DFTPP	25 ug/mL
							Pentachlorophenol_T	25 ug/mL
.SMDFTTP_CH_00021	07/31/26		Restek, Lot A0200028		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol_T	1000 ug/mL
SV_BNAL1_LVI_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L1_00005	2 mL	2-Fluorobiphenyl	0.1 ug/mL
							Nitrobenzene-d5 (Surr)	0.1 ug/mL
							Phenol-d5 (Surr)	0.1 ug/mL
							Terphenyl-d14 (Surr)	0.1 ug/mL
							n,n'-Dimethylaniline	0.1 ug/mL
							N-Methylaniline	0.1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							1,2,4-Trichlorobenzene	0.1 ug/mL
							4-Chloroaniline	0.1 ug/mL
							Benzo[a]anthracene	0.1 ug/mL
							Benzo[a]pyrene	0.1 ug/mL
							Benzo[b]fluoranthene	0.1 ug/mL
							Benzo[k]fluoranthene	0.1 ug/mL
							Bis(2-chloroethyl)ether	0.1 ug/mL
							Dibenz(a,h)anthracene	0.1 ug/mL
							Hexachlorobenzene	0.1 ug/mL
							Hexachlorobutadiene	0.1 ug/mL
							Hexachloroethane	0.1 ug/mL
							Indeno[1,2,3-cd]pyrene	0.1 ug/mL
							N-Nitrosodi-n-propylamine	0.1 ug/mL
							Naphthalene	0.1 ug/mL
							Nitrobenzene	0.1 ug/mL
							Pyridine	0.2 ug/mL
.SV_BNA_L1_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_8270_surr_00013	5 uL	2-Fluorobiphenyl	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
					SM_8270cusmix_00004	12.5 uL	n,n'-Dimethylaniline	0.5 ug/mL
							N-Methylaniline	0.5 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_STD#1mega_00025	25 uL	1,2,4-Trichlorobenzene	0.5 ug/mL
							4-Chloroaniline	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachlorobutadiene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							Naphthalene	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
							Pyridine	1 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2-Fluorobiphenyl	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL2_LVI_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L2_00005	2 mL	2,4,6-Tribromophenol (Surr)	0.2 ug/mL
							2-Fluorobiphenyl	0.2 ug/mL
							2-Fluorophenol (Surr)	0.2 ug/mL
							Nitrobenzene-d5 (Surr)	0.2 ug/mL
							Phenol-d5 (Surr)	0.2 ug/mL
							Terphenyl-d14 (Surr)	0.2 ug/mL
							2-tertbutyl-4-methylphenol	0.2 ug/mL
							n,n'-Dimethylaniline	0.2 ug/mL
							N-Methylaniline	0.2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.2 ug/mL
							Benzaldehyde	0.2 ug/mL
							Caprolactam	0.2 ug/mL
							3,3'-Dichlorobenzidine	0.2 ug/mL
							1,2,4-Trichlorobenzene	0.2 ug/mL
							1-Methylnaphthalene	0.2 ug/mL
							2,4,6-Trichlorophenol	0.2 ug/mL
							2,4-Dinitrotoluene	0.2 ug/mL
							2,6-Dinitrotoluene	0.2 ug/mL
							2-Methylnaphthalene	0.2 ug/mL
							4-Chloroaniline	0.2 ug/mL
							Benzo[a]anthracene	0.2 ug/mL
							Benzo[a]pyrene	0.2 ug/mL
							Benzo[b]fluoranthene	0.2 ug/mL
							Benzo[k]fluoranthene	0.2 ug/mL
							Bis(2-chloroethyl)ether	0.2 ug/mL
							Bis(2-ethylhexyl) phthalate	0.2 ug/mL
							Chrysene	0.2 ug/mL
							Dibenz(a,h)anthracene	0.2 ug/mL
							Fluoranthene	0.2 ug/mL
							Hexachlorobenzene	0.2 ug/mL
							Hexachlorobutadiene	0.2 ug/mL
							Hexachloroethane	0.2 ug/mL
							Indeno[1,2,3-cd]pyrene	0.2 ug/mL
							Isophorone	0.2 ug/mL
							N-Nitrosodi-n-propylamine	0.2 ug/mL
							Naphthalene	0.2 ug/mL
							Nitrobenzene	0.2 ug/mL
							Pyrene	0.2 ug/mL
							Pyridine	0.4 ug/mL
.SV_BNA_L2_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_8270_surr_00013	10 uL	2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
					SM_8270cusmix_00004	25 uL	2-tertbutyl-4-methylphenol	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	25 uL	Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
					SM_std #9BNA_00023	25 uL	3,3'-Dichlorobenzidine	1 ug/mL
					SM_STD#1mega_00025	50 uL	1,2,4-Trichlorobenzene	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							4-Chloroaniline	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Chrysene	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Fluoranthene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		2-tertbutyl-4-methylphenol	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL3_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L3_00005	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	0.4 ug/mL
							Benzaldehyde	0.4 ug/mL
							Caprolactam	0.4 ug/mL
.SV_BNA_L3_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_std #11BNA_00021	50 uL	Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
SV_BNAL4_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L4_00005	2 mL	Benzoic acid	1 ug/mL
							2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
							1,3-Dimethylnaphthalene	1 ug/mL
							2-tertbutyl-4-methylphenol	1 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	1 ug/mL
							Carbamazepine	1 ug/mL
							Coumarin	1 ug/mL
							n,n'-Dimethylaniline	1 ug/mL
							N-Methylaniline	1 ug/mL
							Pentachloronitrobenzene	1 ug/mL
							Phenyl ether	1 ug/mL
							Bisphenol-A	1 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
							3,3'-Dichlorobenzidine	1 ug/mL
							Benzidine	1 ug/mL
							1,1'-Biphenyl	1 ug/mL
							1,2,4,5-Tetrachlorobenzene	1 ug/mL
							1,2,4-Trichlorobenzene	1 ug/mL
							1,2-Dichlorobenzene	1 ug/mL
							1,2-Diphenylhydrazine	1 ug/mL
							1,3-Dichlorobenzene	1 ug/mL
							1,4-Dichlorobenzene	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dioxane	1 ug/mL
							1-Methylnaphthalene	1 ug/mL
							2,2'-oxybis[1-chloropropane]	1 ug/mL
							2,3,4,6-Tetrachlorophenol	1 ug/mL
							2,4,5-Trichlorophenol	1 ug/mL
							2,4,6-Trichlorophenol	1 ug/mL
							2,4-Dichlorophenol	1 ug/mL
							2,4-Dimethylphenol	1 ug/mL
							2,4-Dinitrophenol	2 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dichlorophenol	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							2-Chloronaphthalene	1 ug/mL
							2-Chlorophenol	1 ug/mL
							2-Methylnaphthalene	1 ug/mL
							2-Methylphenol	1 ug/mL
							2-Nitroaniline	1 ug/mL
							2-Nitrophenol	1 ug/mL
							3 & 4 Methylphenol	1 ug/mL
							3-Nitroaniline	1 ug/mL
							4,6-Dinitro-2-methylphenol	2 ug/mL
							4-Bromophenyl phenyl ether	1 ug/mL
							4-Chloro-3-methylphenol	1 ug/mL
							4-Chloroaniline	1 ug/mL
							4-Chlorophenyl phenyl ether	1 ug/mL
							4-Methylphenol	1 ug/mL
							4-Nitroaniline	1 ug/mL
							4-Nitrophenol	2 ug/mL
							Acenaphthene	1 ug/mL
							Acenaphthylene	1 ug/mL
							Acetophenone	1 ug/mL
							Aniline	1 ug/mL
							Anthracene	1 ug/mL
							Azobenzene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL
							Benzyl alcohol	1 ug/mL
							Bis(2-chloroethoxy)methane	1 ug/mL
							Bis(2-chloroethyl)ether	1 ug/mL
							Bis(2-ethylhexyl) phthalate	1 ug/mL
							Butyl benzyl phthalate	1 ug/mL
							Carbazole	1 ug/mL
							Chrysene	1 ug/mL
							Di-n-butyl phthalate	1 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Dibenzofuran	1 ug/mL
							Diethyl phthalate	1 ug/mL
							Dimethyl phthalate	1 ug/mL
							Fluoranthene	1 ug/mL
							Fluorene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachlorocyclopentadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							Isophorone	1 ug/mL
							n-Decane	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							N-Nitrosodimethylamine	1 ug/mL
							N-Nitrosodiphenylamine	1 ug/mL
							n-Octadecane	1 ug/mL
							Naphthalene	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pentachlorophenol	2 ug/mL
							Phenanthrene	1 ug/mL
							Phenol	1 ug/mL
							Pyrene	1 ug/mL
							Pyridine	2 ug/mL
.SV_BNA_L4_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM-BenzAcid_00019	125 uL	Benzoic acid	5 ug/mL
					SM_8270_surr_00013	50 uL	2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
					SM_8270cusmix_00004	125 uL	1,3-Dimethylnaphthalene	5 ug/mL
							2-tertbutyl-4-methylphenol	5 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	5 ug/mL
							Carbamazepine	5 ug/mL
							Coumarin	5 ug/mL
							n,n'-Dimethylaniline	5 ug/mL
							N-Methylaniline	5 ug/mL
							Pentachloronitrobenzene	5 ug/mL
							Phenyl ether	5 ug/mL
					SM_BPA_00019	250 uL	Bisphenol-A	5 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	125 uL	Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
					SM_std #9BNA_00023	125 uL	3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
					SM_STD#1mega_00025	250 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Methylphenol	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL
							Pyridine	10 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL5_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L5_00005	2 mL	Benzoic acid	2 ug/mL
							2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
							1,3-Dimethylnaphthalene	2 ug/mL
							2-tertbutyl-4-methylphenol	2 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2 ug/mL
							Carbamazepine	2 ug/mL
							Coumarin	2 ug/mL
							n,n'-Dimethylaniline	2 ug/mL
							N-Methylaniline	2 ug/mL
							Pentachloronitrobenzene	2 ug/mL
							Phenyl ether	2 ug/mL
							Bisphenol-A	2 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
							3,3'-Dichlorobenzidine	2 ug/mL
							Benzidine	2 ug/mL
							1,1'-Biphenyl	2 ug/mL
							1,2,4,5-Tetrachlorobenzene	2 ug/mL
							1,2,4-Trichlorobenzene	2 ug/mL
							1,2-Dichlorobenzene	2 ug/mL
							1,2-Diphenylhydrazine	2 ug/mL
							1,3-Dichlorobenzene	2 ug/mL
							1,4-Dichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							1-Methylnaphthalene	2 ug/mL
							2,2'-oxybis[1-chloropropane]	2 ug/mL
							2,3,4,6-Tetrachlorophenol	2 ug/mL
							2,4,5-Trichlorophenol	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dimethylphenol	2 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							2-Chloronaphthalene	2 ug/mL
							2-Chlorophenol	2 ug/mL
							2-Methylnaphthalene	2 ug/mL
							2-Methylphenol	2 ug/mL
							2-Nitroaniline	2 ug/mL
							2-Nitrophenol	2 ug/mL
							3 & 4 Methylphenol	2 ug/mL
							3-Nitroaniline	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							4-Bromophenyl phenyl ether	2 ug/mL
							4-Chloro-3-methylphenol	2 ug/mL
							4-Chloroaniline	2 ug/mL
							4-Chlorophenyl phenyl ether	2 ug/mL
							4-Methylphenol	2 ug/mL
							4-Nitroaniline	2 ug/mL
							4-Nitrophenol	4 ug/mL
							Acenaphthene	2 ug/mL
							Acenaphthylene	2 ug/mL
							Acetophenone	2 ug/mL
							Aniline	2 ug/mL
							Anthracene	2 ug/mL
							Azobenzene	2 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Benzyl alcohol	2 ug/mL
							Bis(2-chloroethoxy)methane	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Bis(2-ethylhexyl) phthalate	2 ug/mL
							Butyl benzyl phthalate	2 ug/mL
							Carbazole	2 ug/mL
							Chrysene	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Di-n-octyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Dibenzofuran	2 ug/mL
							Diethyl phthalate	2 ug/mL
							Dimethyl phthalate	2 ug/mL
							Fluoranthene	2 ug/mL
							Fluorene	2 ug/mL
							Hexachlorobenzene	2 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	2 ug/mL
							Hexachlorocyclopentadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							n-Decane	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							N-Nitrosodimethylamine	2 ug/mL
							N-Nitrosodiphenylamine	2 ug/mL
							n-Octadecane	2 ug/mL
							Naphthalene	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Phenanthrene	2 ug/mL
							Phenol	2 ug/mL
							Pyrene	2 ug/mL
							Pyridine	4 ug/mL
.SV_BNA_L5_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	125 uL	Benzoic acid	10 ug/mL
					SM_8270_surr_00013	50 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
					SM_8270cusmix_00004	125 uL	1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
					SM_BPA_00019	250 uL	Bisphenol-A	10 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	125 uL	Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
					SM_std #9BNA_00023	125 uL	3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
					SM_STD#1mega_00025	250 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL6_LVI_00008	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L6_00005	2 mL	Benzoic acid	4 ug/mL
							2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,3-Dimethylnaphthalene	4 ug/mL
							2-tertbutyl-4-methylphenol	4 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	4 ug/mL
							Carbamazepine	4 ug/mL
							Coumarin	4 ug/mL
							n,n'-Dimethylaniline	4 ug/mL
							N-Methylaniline	4 ug/mL
							Pentachloronitrobenzene	4 ug/mL
							Phenyl ether	4 ug/mL
							Bisphenol-A	4 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	3.2 ug/mL
							Benzaldehyde	3.2 ug/mL
							Caprolactam	3.2 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Benzidine	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dichlorophenol	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							n-Decane	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	4 ug/mL
							n-Octadecane	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	8 ug/mL
.SV_BNA_L6_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	250 uL	Benzoic acid	20 ug/mL
					SM_8270_surr_00013	100 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
					SM_8270cusmix_00004	250 uL	1,3-Dimethylnaphthalene	20 ug/mL
							2-tertbutyl-4-methylphenol	20 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	20 ug/mL
							Carbamazepine	20 ug/mL
							Coumarin	20 ug/mL
							n,n'-Dimethylaniline	20 ug/mL
							N-Methylaniline	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenyl ether	20 ug/mL
					SM_BPA_00019	500 uL	Bisphenol-A	20 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	200 uL	Atrazine	16 ug/mL
							Benzaldehyde	16 ug/mL
							Caprolactam	16 ug/mL
					SM_std #9BNA_00023	250 uL	3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
					SM_STD#1mega_00025	500 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL7_LVI_00008	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L7_00006	2 mL	Benzoic acid	10 ug/mL
							2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
							Bisphenol-A	10 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	20 ug/mL
							2,3,7,8-TCDD	0.1 ug/mL
.SV_BNA_L7_00006	03/30/24	03/27/23	MeCl2, Lot 1062017	50 mL	SM-BenzAcid_00019	1250 uL	Benzoic acid	50 ug/mL
					SM_8270_surr_00013	500 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
					SM_8270cusmix_00004	1250 uL	1,3-Dimethylnaphthalene	50 ug/mL
							2-tertbutyl-4-methylphenol	50 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	50 ug/mL
							Carbamazepine	50 ug/mL
							Coumarin	50 ug/mL
							n,n'-Dimethylaniline	50 ug/mL
							N-Methylaniline	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenyl ether	50 ug/mL
					SM_BPA_00019	2500 uL	Bisphenol-A	50 ug/mL
					SM_ISTD_00196	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	500 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #9BNA_00023	1250 uL	3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL
					SM_STD#1mega_00025	2500 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dichlorophenol	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	100 ug/mL
					SM_TCDD_00015	500 uL	2,3,7,8-TCDD	0.5 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..SM_TCDD_00015	07/08/24	Spex CertiPrep, Lot AA190709011			(Purchased Reagent)		2,3,7,8-TCDD	50 ug/mL
SV_BNAL8_LVI_00007	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L8_00005	2 mL	Benzoic acid	16 ug/mL
							2,4,6-Tribromophenol (Surr)	16 ug/mL
							2-Fluorobiphenyl	16 ug/mL
							2-Fluorophenol (Surr)	16 ug/mL
							Nitrobenzene-d5 (Surr)	16 ug/mL
							Phenol-d5 (Surr)	16 ug/mL
							Terphenyl-d14 (Surr)	16 ug/mL
							1,3-Dimethylnaphthalene	16 ug/mL
							2-tertbutyl-4-methylphenol	16 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	16 ug/mL
							Carbamazepine	16 ug/mL
							Coumarin	16 ug/mL
							n,n'-Dimethylaniline	16 ug/mL
							N-Methylaniline	16 ug/mL
							Pentachloronitrobenzene	16 ug/mL
							Phenyl ether	16 ug/mL
							Bisphenol-A	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	4.8 ug/mL
							Benzaldehyde	4.8 ug/mL
							Caprolactam	4.8 ug/mL
							3,3'-Dichlorobenzidine	16 ug/mL
							Benzidine	16 ug/mL
							1,1'-Biphenyl	16 ug/mL
							1,2,4,5-Tetrachlorobenzene	16 ug/mL
							1,2,4-Trichlorobenzene	16 ug/mL
							1,2-Dichlorobenzene	16 ug/mL
							1,2-Diphenylhydrazine	16 ug/mL
							1,3-Dichlorobenzene	16 ug/mL
							1,4-Dichlorobenzene	16 ug/mL
							1,4-Dioxane	16 ug/mL
							1-Methylnaphthalene	16 ug/mL
							2,2'-oxybis[1-chloropropane]	16 ug/mL
							2,3,4,6-Tetrachlorophenol	16 ug/mL
							2,4,5-Trichlorophenol	16 ug/mL
							2,4,6-Trichlorophenol	16 ug/mL
							2,4-Dichlorophenol	16 ug/mL
							2,4-Dimethylphenol	16 ug/mL
							2,4-Dinitrophenol	32 ug/mL
							2,4-Dinitrotoluene	16 ug/mL
							2,6-Dichlorophenol	16 ug/mL
							2,6-Dinitrotoluene	16 ug/mL
							2-Chloronaphthalene	16 ug/mL
							2-Chlorophenol	16 ug/mL
							2-Methylnaphthalene	16 ug/mL
							2-Methylphenol	16 ug/mL
							2-Nitroaniline	16 ug/mL
							2-Nitrophenol	16 ug/mL
							3 & 4 Methylphenol	16 ug/mL
							3-Nitroaniline	16 ug/mL
							4,6-Dinitro-2-methylphenol	32 ug/mL
							4-Bromophenyl phenyl ether	16 ug/mL
							4-Chloro-3-methylphenol	16 ug/mL
							4-Chloroaniline	16 ug/mL
							4-Chlorophenyl phenyl ether	16 ug/mL
							4-Methylphenol	16 ug/mL
							4-Nitroaniline	16 ug/mL
							4-Nitrophenol	32 ug/mL
							Acenaphthene	16 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	16 ug/mL
							Acetophenone	16 ug/mL
							Aniline	16 ug/mL
							Anthracene	16 ug/mL
							Azobenzene	16 ug/mL
							Benzo[a]anthracene	16 ug/mL
							Benzo[a]pyrene	16 ug/mL
							Benzo[b]fluoranthene	16 ug/mL
							Benzo[g,h,i]perylene	16 ug/mL
							Benzo[k]fluoranthene	16 ug/mL
							Benzyl alcohol	16 ug/mL
							Bis(2-chloroethoxy)methane	16 ug/mL
							Bis(2-chloroethyl)ether	16 ug/mL
							Bis(2-ethylhexyl) phthalate	16 ug/mL
							Butyl benzyl phthalate	16 ug/mL
							Carbazole	16 ug/mL
							Chrysene	16 ug/mL
							Di-n-butyl phthalate	16 ug/mL
							Di-n-octyl phthalate	16 ug/mL
							Dibenz(a,h)anthracene	16 ug/mL
							Dibenzofuran	16 ug/mL
							Diethyl phthalate	16 ug/mL
							Dimethyl phthalate	16 ug/mL
							Fluoranthene	16 ug/mL
							Fluorene	16 ug/mL
							Hexachlorobenzene	16 ug/mL
							Hexachlorobutadiene	16 ug/mL
							Hexachlorocyclopentadiene	16 ug/mL
							Hexachloroethane	16 ug/mL
							Indeno[1,2,3-cd]pyrene	16 ug/mL
							Isophorone	16 ug/mL
							n-Decane	16 ug/mL
							N-Nitrosodi-n-propylamine	16 ug/mL
							N-Nitrosodimethylamine	16 ug/mL
							N-Nitrosodiphenylamine	16 ug/mL
							n-Octadecane	16 ug/mL
							Naphthalene	16 ug/mL
							Nitrobenzene	16 ug/mL
							Pentachlorophenol	32 ug/mL
							Phenanthrene	16 ug/mL
							Phenol	16 ug/mL
							Pyrene	16 ug/mL
							Pyridine	32 ug/mL
.SV_BNA_L8_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	1000 uL	Benzoic acid	80 ug/mL
					SM_8270_surr_00013	400 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
					SM_8270cusmix_00004	1000 uL	1,3-Dimethylnaphthalene	80 ug/mL
							2-tertbutyl-4-methylphenol	80 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	80 ug/mL
							Carbamazepine	80 ug/mL
							Coumarin	80 ug/mL
							n,n'-Dimethylaniline	80 ug/mL
							N-Methylaniline	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenyl ether	80 ug/mL
					SM_BPA_00019	2000 uL	Bisphenol-A	80 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	300 uL	Atrazine	24 ug/mL
							Benzaldehyde	24 ug/mL
							Caprolactam	24 ug/mL
					SM_std #9BNA_00023	1000 uL	3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
					SM_STD#1mega_00025	2000 uL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiphenylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	160 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNAL9_LVI_00006	03/30/24	03/27/23	MeCl2, Lot 1062017	10 mL	SV_BNA_L9_00005	2 mL	Benzoic acid	24 ug/mL
							2,4,6-Tribromophenol (Surr)	24 ug/mL
							2-Fluorobiphenyl	24 ug/mL
							2-Fluorophenol (Surr)	24 ug/mL
							Nitrobenzene-d5 (Surr)	24 ug/mL
							Phenol-d5 (Surr)	24 ug/mL
							Terphenyl-d14 (Surr)	24 ug/mL
							1,3-Dimethylnaphthalene	24 ug/mL
							2-tertbutyl-4-methylphenol	24 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	24 ug/mL
							Carbamazepine	24 ug/mL
							Coumarin	24 ug/mL
							n,n'-Dimethylaniline	24 ug/mL
							N-Methylaniline	24 ug/mL
							Pentachloronitrobenzene	24 ug/mL
							Phenyl ether	24 ug/mL
							Bisphenol-A	24 ug/mL
							1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
							Atrazine	6.4 ug/mL
							Benzaldehyde	6.4 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	6.4 ug/mL
							3,3'-Dichlorobenzidine	24 ug/mL
							Benzidine	24 ug/mL
							1,1'-Biphenyl	24 ug/mL
							1,2,4,5-Tetrachlorobenzene	24 ug/mL
							1,2,4-Trichlorobenzene	24 ug/mL
							1,2-Dichlorobenzene	24 ug/mL
							1,2-Diphenylhydrazine	24 ug/mL
							1,3-Dichlorobenzene	24 ug/mL
							1,4-Dichlorobenzene	24 ug/mL
							1,4-Dioxane	24 ug/mL
							1-Methylnaphthalene	24 ug/mL
							2,2'-oxybis[1-chloropropane]	24 ug/mL
							2,3,4,6-Tetrachlorophenol	24 ug/mL
							2,4,5-Trichlorophenol	24 ug/mL
							2,4,6-Trichlorophenol	24 ug/mL
							2,4-Dichlorophenol	24 ug/mL
							2,4-Dimethylphenol	24 ug/mL
							2,4-Dinitrophenol	48 ug/mL
							2,4-Dinitrotoluene	24 ug/mL
							2,6-Dichlorophenol	24 ug/mL
							2,6-Dinitrotoluene	24 ug/mL
							2-Chloronaphthalene	24 ug/mL
							2-Chlorophenol	24 ug/mL
							2-Methylnaphthalene	24 ug/mL
							2-Methylphenol	24 ug/mL
							2-Nitroaniline	24 ug/mL
							2-Nitrophenol	24 ug/mL
							3 & 4 Methylphenol	24 ug/mL
							3-Nitroaniline	24 ug/mL
							4,6-Dinitro-2-methylphenol	48 ug/mL
							4-Bromophenyl phenyl ether	24 ug/mL
							4-Chloro-3-methylphenol	24 ug/mL
							4-Chloroaniline	24 ug/mL
							4-Chlorophenyl phenyl ether	24 ug/mL
							4-Methylphenol	24 ug/mL
							4-Nitroaniline	24 ug/mL
							4-Nitrophenol	48 ug/mL
							Acenaphthene	24 ug/mL
							Acenaphthylene	24 ug/mL
							Acetophenone	24 ug/mL
							Aniline	24 ug/mL
							Anthracene	24 ug/mL
							Azobenzene	24 ug/mL
							Benzo[a]anthracene	24 ug/mL
							Benzo[a]pyrene	24 ug/mL
							Benzo[b]fluoranthene	24 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	24 ug/mL
							Benzo[k]fluoranthene	24 ug/mL
							Benzyl alcohol	24 ug/mL
							Bis(2-chloroethoxy)methane	24 ug/mL
							Bis(2-chloroethyl)ether	24 ug/mL
							Bis(2-ethylhexyl) phthalate	24 ug/mL
							Butyl benzyl phthalate	24 ug/mL
							Carbazole	24 ug/mL
							Chrysene	24 ug/mL
							Di-n-butyl phthalate	24 ug/mL
							Di-n-octyl phthalate	24 ug/mL
							Dibenz(a,h)anthracene	24 ug/mL
							Dibenzofuran	24 ug/mL
							Diethyl phthalate	24 ug/mL
							Dimethyl phthalate	24 ug/mL
							Fluoranthene	24 ug/mL
							Fluorene	24 ug/mL
							Hexachlorobenzene	24 ug/mL
							Hexachlorobutadiene	24 ug/mL
							Hexachlorocyclopentadiene	24 ug/mL
							Hexachloroethane	24 ug/mL
							Indeno[1,2,3-cd]pyrene	24 ug/mL
							Isophorone	24 ug/mL
							n-Decane	24 ug/mL
							N-Nitrosodi-n-propylamine	24 ug/mL
							N-Nitrosodimethylamine	24 ug/mL
							N-Nitrosodiphenylamine	24 ug/mL
							n-Octadecane	24 ug/mL
							Naphthalene	24 ug/mL
							Nitrobenzene	24 ug/mL
							Pentachlorophenol	48 ug/mL
							Phenanthrene	24 ug/mL
							Phenol	24 ug/mL
							Pyrene	24 ug/mL
							Pyridine	48 ug/mL
.SV_BNA_L9_00005	03/30/24	03/27/23	MeCl2, Lot 1062017	25 mL	SM-BenzAcid_00019	1500 uL	Benzoic acid	120 ug/mL
					SM_8270_surr_00013	600 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
					SM_8270cusmix_00004	1500 uL	1,3-Dimethylnaphthalene	120 ug/mL
							2-tertbutyl-4-methylphenol	120 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	120 ug/mL
							Carbamazepine	120 ug/mL
							Coumarin	120 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n,n'-Dimethylaniline	120 ug/mL
							N-Methylaniline	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenyl ether	120 ug/mL
					SM_BPA_00019	3000 uL	Bisphenol-A	120 ug/mL
					SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00021	400 uL	Atrazine	32 ug/mL
							Benzaldehyde	32 ug/mL
							Caprolactam	32 ug/mL
					SM_std #9BNA_00023	1500 uL	3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
					SM_STD#1mega_00025	3000 uL	1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	120 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							n-Octadecane	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	240 ug/mL
..SM-BenzAcid_00019	07/31/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..SM_8270_surr_00013	12/31/24		Agilent, Lot 0006715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..SM_8270cusmix_00004	12/31/24		Agilent, Lot 0006715188		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
..SM_BPA_00019	12/31/24		Agilent, Lot 0006715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..SM_std #11BNA_00021	07/31/24		restek, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #9BNA_00023	04/29/24		restek, Lot A0188589		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..SM_STD#1mega_00025	04/30/24		RESTEK, Lot A0190414		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	1,4-Dichlorobenzene-d4	8 ug/mL
							Acenaphthene-d10	8 ug/mL
							Chrysene-d12	8 ug/mL
							Naphthalene-d8	8 ug/mL
							Perylene-d12	8 ug/mL
							Phenanthrene-d10	8 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
..SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SV_ICV_ LVI_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	10 mL	SV_BNA_ICV_00010	2 mL	Atrazine	4 ug/mL
							Benzaldehyde	4 ug/mL
							Caprolactam	4 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Anthracene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							Naphthalene	10 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
.SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_std #112nd_00007	250 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #92nd_00006	625 uL	3,3'-Dichlorobenzidine	50 ug/mL
					SM_STD1meg2nd_00006	1250 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Anthracene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
..SM_std #112nd_00007	09/30/24		restek, Lot A01983126		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
..SM_std #92nd_00006	09/30/24		restek, Lot A0197867		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..SM_STD1meg2nd_00006	10/30/24		RESTEK, Lot A0190451		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
VOA6IS/SURR_00071	04/20/24	02/20/24	MeOH, Lot 22L0562016	10 mL	8260 SURR C_00062	200 uL	1,2-Dichloroethane-d4 (Surr)	50 ug/mL
							4-Bromofluorobenzene	50 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromofluoromethane (Surr)	50 ug/mL
							Toluene-d8 (Surr)	50 ug/mL
					8260ISNEW_00197	2 mL	1,4-Dichlorobenzene-d4	50 ug/mL
							1,4-Dioxane-d8	1000 ug/mL
							2-Butanone-d5	250 ug/mL
							Chlorobenzene-d5	50 ug/mL
							Fluorobenzene	50 ug/mL
							TBA-d9 (IS)	1000 ug/mL
.8260 SURR C_00062	09/30/28		RESTEK, Lot A0201943		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
.8260ISNEW_00197	05/31/28		RESTEK, Lot A0198586		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							1,4-Dioxane-d8	5000 ug/mL
							2-Butanone-d5	1250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
WTcn6ppm_ICV_01148	03/24/24	03/23/24	0.25N NaOH, Lot C-2441-24	100 mL	WTCNstock2_00033	0.6 mL	Cyanide, Free	6 mg/L
							Cyanide, Total	6 mg/L
.WTCNstock2_00033	04/30/24		RICCA, Lot 1311C03		(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Total	1000 mg/L
WTcn6ppm_Pri_01171	03/24/24	03/23/24	0.25N NaOH, Lot C-2441-24	100 mL	WTcnSP1_00039	0.6 mL	Cyanide, Free	6 mg/L
							Cyanide, Non-amenable	6 mg/L
							Cyanide, Total	6 mg/L
.WTcnSP1_00039	10/06/24		ERA, Lot 181023m		(Purchased Reagent)		Cyanide, Free	1000 mg/L
							Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L
WTcnCmplex-IM_01203	03/24/24	03/23/24	0.25N NaOH, Lot C-2441-24	100 mL	WTCNstock_00020	0.6 mL	Cyanide, Non-amenable	6 mg/L
							Cyanide, Total	6 mg/L
.WTCNstock_00020	09/26/24		ERA, Lot 510922m		(Purchased Reagent)		Cyanide, Non-amenable	1000 mg/L
							Cyanide, Total	1000 mg/L

Reagent

2-CEVEC_00027

R2434

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0193735

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,500.0 µg/mL	+/- 31.1129

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

2-CEVEC_00028

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569723 **Lot No.:** A0202590

Description : 8260 List 1 / Std #4 2-CEVE (2015)

8260 List 1 / Std #4 2-CEVE (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Chloroethyl vinyl ether	110-75-8	MKCK6742	99%	2,518.0 µg/mL	+/- 31.3370

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:
Degradation of tetrachloroethylene to pentachloroethane may occur if solutions containing 2-chloroethyl vinyl ether are combined with solutions that contain tetrachloroethylene.

Reagent

7 Freons_00001

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CERTIFIED WEIGHT REPORT

Part Number: 65833
Lot Number: 040723
Description: Freon Standard Rev 1
7 components
Expiration Date: 040726
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

R2389
MS 4/12/23

Solvent(s): Methanol **Lot#** EF282-USQ5

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Eli Aliaga		040723
Formulated By:	Eli Aliaga	DATE
Pedro Rentas		040723
Reviewed By:	Pedro L. Rentas	DATE

Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6 ✓	1000 ppm(3500mg/m3/8H)	N/A
2. Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3 ✓	N/A	N/A
3. Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9 ✓	N/A	N/A
4. 1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4 ✓	N/A	N/A
5. 2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2 ✓	N/A	N/A
6. 1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6 ✓	N/A	N/A
7. 1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0 ✓	500 ppm	N/A

7 FREONS
2000 ppm 7 Freons
1
mL
ug/mL

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

7 Freons_00003

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CERTIFIED WEIGHT REPORT

Part Number: 65833
Lot Number: 040723
Description: Freon Standard Rev 1
7 components
Expiration Date: 040726
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EF282-USQ5

R2449
11/29/2023 MS #11349853

5E-05 Balance Uncertainty
Volume(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Eli Aliaga	040723
Formulated By: Eli Aliaga	DATE
Pedro Rentas	040723
Reviewed By: Pedro L. Rentas	DATE

	Compound	Part Number	Lot Number	Dilution Factor	Initial Vol. (mL)	Uncertainty Pipette (mL)	Initial Conc.(µg/mL)	Final Conc.(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Chlorodifluoromethane	33601	071422	0.10	10.00	0.042	20026.7	2002.2	18.7	75-45-6	1000 ppm(3500mg/m3/8H)	N/A
2.	Chloropentafluoroethane	34471	050719	0.10	10.00	0.042	20213.6	2020.9	18.9	76-15-3	N/A	N/A
3.	Chlorotrifluoroethene	33611	040523	0.20	20.00	0.003	10028.2	2005.1	8.2	79-38-9	N/A	N/A
4.	1,2-Dichlorotrifluoroethane	32641	080422	0.10	10.00	0.042	20020.4	2001.5	18.8	354-23-4	N/A	N/A
5.	2,2-Dichloro-1,1,1-trifluoroethane	33951	062022	0.10	10.00	0.042	20006.9	2000.2	18.7	306-83-2	N/A	N/A
6.	1,1-Difluoroethane	34411	121617	0.10	10.00	0.042	20009.4	2000.4	18.7	75-37-6	N/A	N/A
7.	1,2-Difluorotetrachloroethane	34481	102616	0.10	10.00	0.042	20010.7	2000.6	18.7	76-12-0	500 ppm	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Reagent

8260 SURR C_00062

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MS 12/14/23

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R2460

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567650 **Lot No.:** A0201943

Description : 8260 Surrogate Standard

8260 Surrogate Standard 2,500µg/mL, P&T Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dibromofluoromethane	1868-53-7	022013	99%	2,522.5 µg/mL	+/- 141.7031
2	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	2,507.5 µg/mL	+/- 140.8605
3	Toluene-d8	2037-26-5	PR-33397	99%	2,514.5 µg/mL	+/- 141.2537
4	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000194533	99%	2,522.5 µg/mL	+/- 141.7031

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

8260ISNEW_00197

R2454

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568718 **Lot No.:** A0198586

Description : 8260 Internal Standard 2014

8260 Internal Standard 2014 250-5,000µg/mL, P&T Methanol/Water (90:10), 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butyl-d9-alcohol	25725-11-5	HJ-479	99%	5,003.0 µg/mL	+/- 62.1338
2	2-Butanone-d5	24313-50-6	M-276	99%	1,252.5 µg/mL	+/- 15.5555
3	Fluorobenzene	462-06-6	BCBZ5549	99%	250.4 µg/mL	+/- 3.1114
4	1,4-Dioxane-d8	17647-74-4	RP230202	99%	5,014.5 µg/mL	+/- 62.2773
5	Chlorobenzene-d5	3114-55-4	PR-29571	99%	251.0 µg/mL	+/- 3.1189
6	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	250.2 µg/mL	+/- 3.1083

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Reagent

ACROLEIN_00024

R24731

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 568720 **Lot No.:** A0194513

Description : 8260 List 1/Std #5 Acrolein High

8260 List 1/Std #5 Acrolein High 19,750µg/mL, Water, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2024 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acrolein	107-02-8	RD230201	99%	19,768.0 µg/mL	+/- 580.7437

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Water
CAS # 7732-18-5
Purity 99%

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Reagent

Acrylonitrile_00009

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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 79007
Lot Number: 111821
Description: Acrylonitrile

Solvent: Methanol **Lot#** EA899-USQ2

R2401 # 10853228 MS 5/31/23

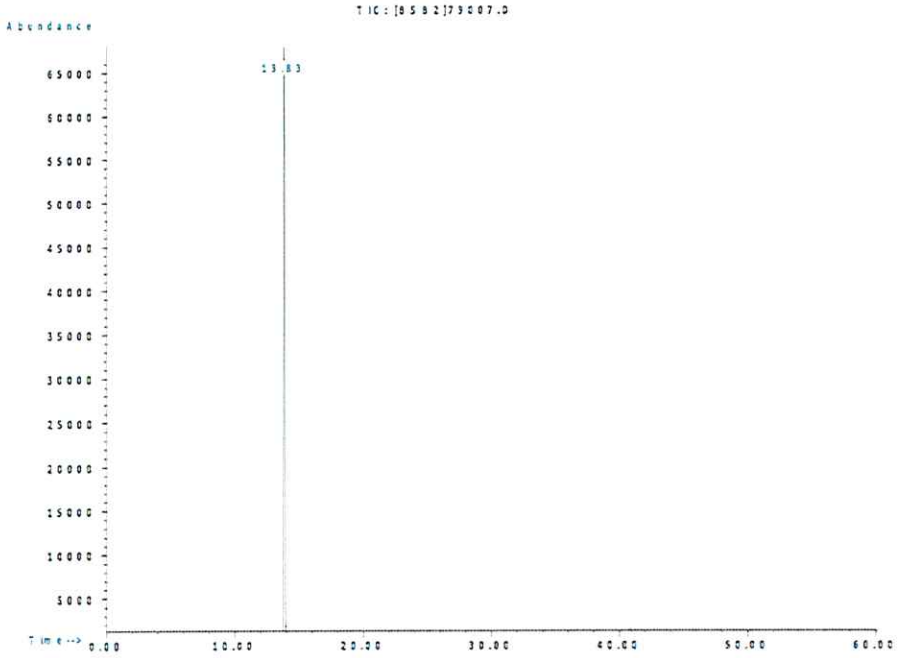
Expiration Date: 111824
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

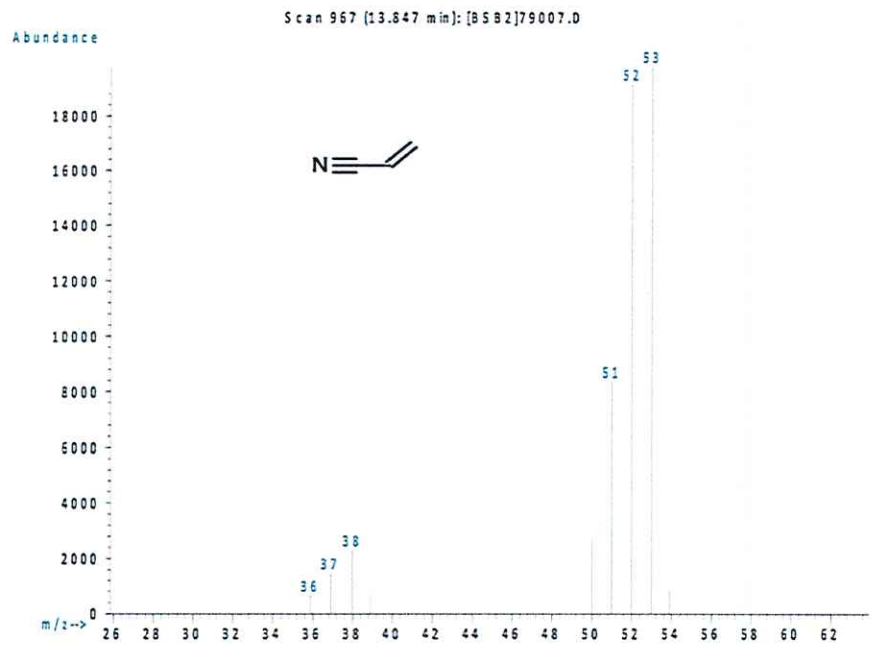
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Formulated By:	Prashant Chauhan	111821 DATE
Reviewed By:	Pedro L. Rentas	111821 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrylonitrile	7	4718CK	1000	99	0.2	0.05054	0.05064	1002.0	4.5	107-13-1	N/A	orl-rat 78 mg/kg

Method: GC16MSD-1 **Detector:** Mass Selective Detector **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

EPICHLO(NEAT)_00001

R1584

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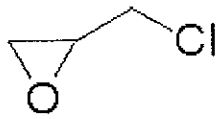
Product Name:
(±)-Epichlorohydrin - purum, ≥99% (GC)



Product Number:	**45340**
Batch Number:	**SHBD0368V**
Brand:	FLUKA
CAS Number:	106-89-8
MDL Number:	MFCD00005132
Formula:	C3H5ClO
Formula Weight:	92.52 g/mol
Quality Release Date:	23 JAN 2013

Test	Specification	Result
Appearance (Clarity)	Clear	Clear
Appearance (Color)	Colorless	Colorless
Appearance (Form)	Liquid	Liquid
Infrared spectrum	Conforms to Structure	Conforms
Color Test	≤ 20 APHA	< 10 APHA
Refractive index at 20 °C	1.437 - 1.439	1.438
Purity (GC)	≥ 99.0 %	99.9 %
Water (by Karl Fischer)	≤ 0.1 %	< 0.1 %

Jamie Gleason

Jamie Gleason, Manager
Quality Control
Sheboygan Falls, WI US

Sigma-Aldrich warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Sigma-Aldrich.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

Reagent

ETHANOL(new)_00020

R2437

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571994 **Lot No.:** A0195429

Description : 8260 Ethanol Standard

8260 Ethanol Standard 100,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethanol	64-17-5	SHBQ2807	99%	100,006.7 µg/mL	+/- 1,243.9578

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

Extra Cmpd_00021

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Certified Reference Material CRM

R 2453

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CERTIFIED WEIGHT REPORT

Part Number: 98593
Lot Number: 092922
Description: VOC Standard 2015
14 components
Expiration Date: 092925
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): Varied
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Methanol EC592-USQ6

Formulated By:	Benson Chan	092922 DATE
Reviewed By:	Pedro L. Rentas	092922 DATE

5E-05 Balance Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	n-Amyl acetate	1515	OGL01	2500	98	0.2	0.25511	0.25561	2504.9	10.3	628-63-7	100 ppm (525 mg/m3/8H)	orl-rbt 7400 mg/kg
2.	tert-Amyl ethyl ether	2609	IKVYB-KF	2500	98	0.2	0.25511	0.25536	2502.4	10.3	919-94-8	N/A	inh-mus 81284mg/m3/15H
3.	n-Butyl acrylate	1194	OGN01	2500	99	0.2	0.25254	0.25273	2501.9	10.2	141-32-2	10 ppm (55mg/m3/8H)	orl-rat 900mg/kg
4.	Butyl methacrylate	1314	03220HG	2500	99	0.2	0.25254	0.25285	2503.1	10.2	97-88-1	N/A	orl-rat 18 g/kg
5.	Cyclopentene	519	04013BX	2500	99	0.2	0.25254	0.25265	2501.1	10.2	142-29-0	N/A	orl-rat 1656mg/kg
6.	4-Ethyltoluene	1001	031097	2500	99	0.2	0.25254	0.25313	2505.9	10.2	622-96-8	N/A	N/A
7.	Indan	955	02625MQ	2500	96	0.2	0.26043	0.26075	2503.1	10.5	496-11-7	N/A	N/A
8.	Isoprene	1541	SHBN7340	2500	99.7	0.2	0.25076	0.25112	2503.5	10.1	78-79-5	N/A	N/A
9.	Isopropyl acetate	1106	U17E045	2500	99.9	0.2	0.25026	0.25097	2507.1	10.1	108-21-4	250 ppm (950mg/m3)	orl-rbt 6946mg/kg
10.	Methyl acrylate	1075	SHBK0679	2500	99.9	0.2	0.25026	0.25088	2506.2	10.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
11.	n-Pentane	783	SHBM5087	**5000**	99.4	0.2	0.50304	0.50358	**5005.3**	20.2	109-66-0	600 ppm(1800mg/m3/8H)	ivn-mus 446mg/kg
12.	Propyl acetate	1105	05017HY	2500	99	0.2	0.25254	0.25286	2503.2	10.2	109-60-4	200 ppm (840mg/m3)	orl-rat 9370mg/kg
13.	1,2,4,5-Tetramethylbenzene	1222	06310PW	2500	98	0.2	0.25511	0.25520	2500.8	10.3	95-93-2	N/A	orl-rat 6989mg/kg
14.	1,4-Diethylbenzene	949	OGE01	2500	98	0.2	0.25511	0.25536	2502.4	10.3	105-05-5	N/A	N/A

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

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GASES C_00040

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MS 12/11/23

#11357235

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722 **Lot No.:** A0198219

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00012554	99%	2,501.0 µg/mL	+/- 141.1841
2	Chloromethane (methyl chloride)	74-87-3	SHBM9611	99%	2,503.5 µg/mL	+/- 141.4535
3	Vinyl chloride	75-01-4	00015559	99%	2,504.0 µg/mL	+/- 141.5201
4	1,3-Butadiene	106-99-0	00015314	99%	2,503.4 µg/mL	+/- 140.8433
5	Bromomethane (methyl bromide)	74-83-9	101604	99%	2,508.8 µg/mL	+/- 141.7591
6	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,500.4 µg/mL	+/- 141.1450
7	Dichlorofluoromethane (CFC-21)	75-43-4	14150400	90%	2,502.0 µg/mL	+/- 140.5515
8	Trichlorofluoromethane (CFC-11)	75-69-4	MKCL8411	99%	2,504.2 µg/mL	+/- 141.6568

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

GASES SS_00023

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MS 12/14/2023 #11392079

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569722.SEC **Lot No.:** A0200059

Description : 8260 List 1 / Std #3 Gases (2015)

8260 List 1 / Std #3 Gases (2015) 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8.SEC	28302	99%	2,498.7 µg/mL	+/- 141.3032
2	Chloromethane (methyl chloride)	74-87-3.SEC	00016950	99%	2,499.9 µg/mL	+/- 141.5220
3	Vinyl chloride	75-01-4.SEC	MKBK6872V	99%	2,500.7 µg/mL	+/- 142.8051
4	1,3-Butadiene	106-99-0.SEC	26996	99%	2,500.4 µg/mL	+/- 141.3330
5	Bromomethane (methyl bromide)	74-83-9.SEC	00017022	99%	2,505.7 µg/mL	+/- 141.5475
6	Chloroethane (ethyl chloride)	75-00-3.SEC	00021903	99%	2,499.8 µg/mL	+/- 141.4404
7	Dichlorofluoromethane (CFC-21)	75-43-4 *	14150400	90%	2,502.0 µg/mL	+/- 140.5657
8	Trichlorofluoromethane (CFC-11)	75-69-4.SEC	00010739	99%	2,500.7 µg/mL	+/- 142.0532

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Reagent

KetonesC SS_00016

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721.SEC **Lot No.:** A0194631

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1.SEC	S25F025	99%	12,530.8 µg/mL	+/- 433.0935
2	2-Butanone (MEK)	78-93-3.SEC	HDLUO	99%	12,522.8 µg/mL	+/- 432.8170
3	4-Methyl-2-pentanone (MIBK)	108-10-1.SEC	E29T040	99%	12,555.6 µg/mL	+/- 433.9507
4	2-Hexanone	591-78-6.SEC	Y3TUO	99%	12,580.4 µg/mL	+/- 434.8078

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Reagent

KetonesC_00027

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569721 **Lot No.:** A0193494

Description : 8260 List 1/ Std #2 Ketones (2015)

8260 List 1/ Std #2 Ketones (2015) 12,500µg/mL, P&T Methanol/Water (90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBP8774	99%	12,581.8 µg/mL	+/- 434.7671
2	2-Butanone (MEK)	78-93-3	SHBL5543	99%	12,578.5 µg/mL	+/- 434.6548
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP4724	99%	12,602.3 µg/mL	+/- 435.4755
4	2-Hexanone	591-78-6	MKCQ6663	99%	12,587.5 µg/mL	+/- 434.9658

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

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Reagent

LIST2/STD6_00019

R2439

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0195733

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBP6610	99%	25,144.5 µg/mL	+/- 411.1608
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	220712JLM	99%	2,505.5 µg/mL	+/- 40.9817
3	Methacrylonitrile	126-98-7	1012014	99%	25,171.0 µg/mL	+/- 411.5941
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	MKCF8045	99%	2,511.5 µg/mL	+/- 41.0798
5	1-Butanol	71-36-3	SHBN6854	99%	62,604.0 µg/mL	+/- 1,023.6887
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,028.0 µg/mL	+/- 82.2174
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,522.0 µg/mL	+/- 41.2516
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,523.0 µg/mL	+/- 41.2681
9	Benzyl chloride	100-44-7	MKCM5986	99%	2,509.5 µg/mL	+/- 41.0471
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,516.5 µg/mL	+/- 41.1616

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

LIST2/STD6_00020

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570808 **Lot No.:** A0203604

Description : 8260 List 2 / Std #6

8260 List 2 / Std #6 2,500-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Propanol (isopropanol)	67-63-0	SHBQ4760	99%	25,118.5 µg/mL	+/- 410.7356
2	Chloroprene (2-chloro-1,3-butadiene)	126-99-8	230928JLM	99%	2,517.5 µg/mL	+/- 41.1780
3	Methacrylonitrile	126-98-7	1012014	99%	25,073.0 µg/mL	+/- 409.9916
4	2,2,4-Trimethylpentane (isooctane)	540-84-1	SHBP5702	99%	2,521.5 µg/mL	+/- 41.2434
5	1-Butanol	71-36-3	101601K21K	99%	62,717.5 µg/mL	+/- 1,025.5446
6	2-Nitropropane	79-46-9	BCCB9352	97%	5,037.2 µg/mL	+/- 82.3680
7	1-Chlorohexane	544-10-5	BCBS3368V	99%	2,509.5 µg/mL	+/- 41.0471
8	1,2,3-Trimethylbenzene	526-73-8	8776.10-36	98%	2,524.0 µg/mL	+/- 41.2841
9	Benzyl chloride	100-44-7	SHBH2102V	99%	2,511.5 µg/mL	+/- 41.0798
10	1,3,5-Trichlorobenzene	108-70-3	11319AS	99%	2,515.0 µg/mL	+/- 41.1371

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

LIST2/STD7_00022

R2435

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0189215

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2024 **Storage:** 0°C or colder

Ship: Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Ethyl acetate **CAS #** 141-78-6 (Lot SHBP3779) **Purity** 99%	5,047.5 µg/mL	+/- 29.5542 µg/mL +/- 304.5581 µg/mL +/- 305.2811 µg/mL	Gravimetric Unstressed Stressed
2	Ethyl acrylate **CAS #** 140-88-5 (Lot 10129902) **Purity** 99%	2,517.0 µg/mL	+/- 14.7712 µg/mL +/- 151.8750 µg/mL +/- 152.2356 µg/mL	Gravimetric Unstressed Stressed
3	Methyl methacrylate **CAS #** 80-62-6 (Lot MKCQ2755) **Purity** 99%	5,050.0 µg/mL	+/- 29.5689 µg/mL +/- 304.7090 µg/mL +/- 305.4323 µg/mL	Gravimetric Unstressed Stressed
4	Butyl acetate **CAS #** 123-86-4 (Lot SHBN3806) **Purity** 99%	2,521.5 µg/mL	+/- 14.7976 µg/mL +/- 152.1466 µg/mL +/- 152.5077 µg/mL	Gravimetric Unstressed Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

LIST2/STD7_00023

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

R2469
1/25/2024 MS #11480095

3/27/2024 11:47:49 AM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 570809 **Lot No.:** A0200274

Description : 8260 List 2 / Std #7

8260 List 2 / Std #7 2,500-5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Ethyl acetate	141-78-6	SHBP9289	99%	5,031.0 µg/mL	+/- 173.8830
2	Ethyl acrylate	140-88-5	10129902	99%	2,502.5 µg/mL	+/- 86.4979
3	Methyl methacrylate	80-62-6	MKCQ2756	99%	5,000.0 µg/mL	+/- 172.8116
4	Butyl acetate	123-86-4	SHBP6314	99%	2,506.0 µg/mL	+/- 86.6188

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

ME_6020BRL_IV_00003

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

rec'd 9/28/23 JD

11176964
ID: ME_6020BRL_IV_00003
Exp: 09/28/24 Prpd:
RL Std ICPMS from inorgan

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate #83.01
ACCREDITED Reference Material Producer Certificate #83.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-55664
Lot Number:	U2-MEB736940
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 12 µg/mL ea: Iron, 8 µg/mL ea: Boron, 4 µg/mL ea: Aluminum, 1.6 µg/mL ea: Tin, Zinc, 0.8 µg/mL ea: Manganese, 0.4 µg/mL ea: Molybdenum, Nickel, Barium, Cobalt, Chromium, Copper, Vanadium, Strontium, Titanium, 0.25 µg/mL ea: Selenium, 0.2 µg/mL ea: Antimony, Cadmium, Arsenic, Silver, 0.12 µg/mL ea: Lead, 0.08 µg/mL ea: Beryllium, Thallium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	3.999 ± 0.021 µg/mL	Antimony, Sb	0.2001 ± 0.0014 µg/mL
Arsenic, As	0.2001 ± 0.0014 µg/mL	Barium, Ba	0.4000 ± 0.0022 µg/mL
Beryllium, Be	0.0801 ± 0.0005 µg/mL	Boron, B	8.00 ± 0.05 µg/mL
Cadmium, Cd	0.2001 ± 0.0012 µg/mL	Calcium, Ca	20.00 ± 0.06 µg/mL
Chromium, Cr	0.4001 ± 0.0028 µg/mL	Cobalt, Co	0.4005 ± 0.0022 µg/mL
Copper, Cu	0.4008 ± 0.0022 µg/mL	Iron, Fe	12.00 ± 0.06 µg/mL
Lead, Pb	0.1201 ± 0.0007 µg/mL	Magnesium, Mg	20.00 ± 0.09 µg/mL
Manganese, Mn	0.800 ± 0.004 µg/mL	Molybdenum, Mo	0.3998 ± 0.0022 µg/mL
Nickel, Ni	0.4006 ± 0.0022 µg/mL	Potassium, K	20.00 ± 0.10 µg/mL
Selenium, Se	0.2502 ± 0.0019 µg/mL	Silver, Ag	0.2001 ± 0.0015 µg/mL
Sodium, Na	20.00 ± 0.10 µg/mL	Strontium, Sr	0.4008 ± 0.0022 µg/mL
Thallium, Tl	0.0801 ± 0.0006 µg/mL	Tin, Sn	1.601 ± 0.011 µg/mL
Titanium, Ti	0.4005 ± 0.0027 µg/mL	Vanadium, V	0.4003 ± 0.0024 µg/mL
Zinc, Zn	1.601 ± 0.009 µg/mL		

Density: 1.008 g/mL (measured at 20 ± 4 °C)

Assay Information:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Al	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Ca	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Calculated		See Sec. 4.2
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mg	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Sn	ICP Assay	3161a	140917

Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = \{\Sigma((w_i)^2 (u_{char\ i})^2)\}^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

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6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

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11.1 Certification Issue Date

September 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

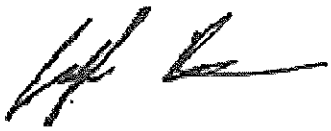
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

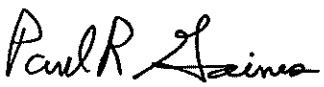
Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



Reagent

ME_Ag-1st_00005

Rec'd 10-10-23 DE

Agilent

11213192
ID: ME_Ag-1st_00005
Exp:05/31/24 Prpd: Opn:10/10/23
1,000 ppm Silver

CERTIFICATE OF ANALYSIS

Agilent Product Name: Silver Standard: 1000 µg/mL Ag in 5% HNO_3
Agilent Part No: 5190-8523
Lot No: 0121197645

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Ag	Ag	7440-22-4	5% HNO_3	1006 ± 2 µg/mL (w/v)
				999.0 ± 2.0 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using 99.999% pure silver (Ag) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3151, lot #160729. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

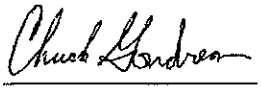
Ag	MAJOR	Co	<1	Ge	<0.5	Lu	<0.2	P	<100	Sb	<0.5	Te	<1
Al	<2	Cs	<0.5	Hf	<0.2	Mg	<5	Pb	<1	Sc	<5	Ti	<2
As	<2	Cr	<0.5	Hg	<0.5	Mn	<1	Pd	<0.5	Se	<2	Tl	<0.5
Au	<0.5	Cu	<1	Ho	<0.2	Mo	<0.5	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	<25	Pt	<0.5	Sm	<0.2	V	<1
Ba	<1	Er	<0.2	Ir	<0.2	Nb	<0.5	Rb	<0.5	Sn	<0.5	W	<0.5
Bi	0.6	Eu	<0.2	K	<25	Nd	<0.2	Re	<0.2	Sr	<1	Y	<0.5
Ca	<25	Fe	<10	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	0.6	Ga	<0.5	Li	<2	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	<2
Ce	<0.2	Gd	<0.2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 7 November 2022
Date of expiration: 31 May 2024

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_Ag-2nd_00006

rec'd 9/15/23 JD

11138127
ID: ME_Ag-2nd_00006
Exp: 03/12/25 Prpd:
1000 ppm stock std

3/27/2024 11:47:49 AM

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: TA-1000511-SS

SE Std Silver (Ag) – 1000 µg/mL

Product Lot #: 711727250-2

Matrix: 2% HNO_3

Source Material Lot #: 26-169AGX

Element	Certified Concentration & Uncertainty
Ag	1001 ± 5 µg/mL (w/v)
	991.1 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a second source certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using high purity silver nitrate dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3151**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	MAJOR	Co	<0.001	Ge	<0.001	Mg	<0.001	Pd	<0.001	Si	<0.1	V	<0.001
Al	0.006	Cr	<0.001	Hf	<0.001	Mn	<0.001	Pr	<0.001	Sm	<0.001	W	<0.001
As	<0.001	Cs	<0.001	Hg	<0.001	Mo	<0.001	Pt	<0.001	Sn	<0.001	Y	<0.001
Au	<0.001	Cu	<0.001	Ho	<0.001	Na	0.02	Rb	<0.001	Sr	<0.001	Yb	<0.001
B	0.001	Dy	<0.001	In	<0.001	Nb	<0.001	Re	<0.001	Ta	<0.001	Zn	0.09
Ba	<0.001	Er	<0.001	Ir	<0.001	Nd	<0.001	Rh	<0.001	Tb	<0.001		
Bi	<0.001	Eu	<0.001	K	<0.1	Ni	<0.001	Ru	<0.001	Te	<0.001		
Ca	0.006	Fe	<0.002	La	<0.001	Os	Nd	Sb	<0.001	Ti	<0.001		
Cd	<0.001	Ga	<0.001	Li	<0.001	P	<0.1	Sc	<0.001	Tl	<0.001		
Ce	<0.001	Gd	<0.001	Lu	<0.001	Pb	<0.001	Se	<0.01	Tm	<0.001		

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

September 12, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements
  (Registrar: TUV NORD)

Reagent

ME_Ba_00014

CPI INTERNATIONAL

10577045
ID: ME_Ba_00014
Exp: 08/22/24 Prpd: LBD
Barium 10000ppb

rec'd 2/23/23 LD

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: S4400-10M41

Barium (Ba) – 10,000 µg/mL

Lot #: 1282477-2

Matrix: 4% HNO_3

Element	Certified Concentration & Uncertainty
Ba	10,020 ± 39 µg/mL (w/v)
	9776 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure barium nitrate [$Ba(NO_3)_2$]. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3104a, lot #140909**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	6	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	27	V	<10
Ba	MAJOR	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	113	Y	17
Ca	<250	Fe	<100	La	32	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 22, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

Reagent

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me_Cr_00019

Rec'd 9-20-23 DF

Agilent

11151927
ID: me_Cr_00019
Exp:02/28/25 Prpd: Opn:09/20/23
Chromium

3/27/2024 11:47:49 AM

CERTIFICATE OF ANALYSIS

Agilent Product Name: Chromium Standard: 10000 µg/mL Cr in 5% HNO_3
Agilent Part No: 5190-8374
Lot No: 0013615477

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Cr	$Cr(NO_3)_3$	13548-38-4	5% HNO_3	9998 ± 42 µg/mL (w/v)
				9187 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.996% pure chromium nitrate [$Cr(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3112a, lot #170630. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	556	Ge	<5	Lu	<2	P	<1000	Sb	11	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	MAJOR	Hg	<5	Mn	12	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	8	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	15
Ba	<10	Er	<2	Ir	<2	Nb	6	Rb	<5	Sn	<5	W	9
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	38
Ca	<250	Fe	1112	La	<5	Ni	301	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	115	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Date of release: 2 August 2023
Date of expiration: 28 February 2025

Chuck Goudreau, Certifying Officer

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

ME_ipmsSPK_00052

high-purity standards

7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

3/27/2024
11:47:49 AM

Certificate of Analysis

Certified Reference Material

rec'd 12/11/23 LD

Product Description: ICPMS LCS/SPK

Product Number: **SM-606-111-500**
Lot Number: **2333357-500**
Matrix: 4% HNO3 / Tr HF
Purity: 99.98% - 99.9999%

11380092
ID: ME_ipmsSPK_00052
Exp: 12/31/24 Prpd.
ICP-MS LCS/SPK, matrix sp

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER
ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Certified Values:

Element	(µg/mL)	SRM ID	Element	(µg/mL)	SRM ID
Ag	5.00 ± 0.05	3151	Mn	50.0 ± 0.8	3132
Al	500 ± 5	3101a	Mo	10.0 ± 0.1	3134
As	10.0 ± 0.1	3103a	Na	500 ± 5	3152a
B	100 ± 1	3107	Ni	10.0 ± 0.1	3136
Ba	10.0 ± 0.1	3104a	Pb	5.00 ± 0.05	3128
Be	5.00 ± 0.05	3105a	Sb	5.00 ± 0.05	3102a
Ca	500 ± 5	3109a	Se	10.0 ± 0.1	3149
Cd	5.00 ± 0.05	3108	Sn	10.0 ± 0.1	3161a
Co	5.00 ± 0.05	3113	Sr	10.0 ± 0.1	3153a
Cr	10.0 ± 0.1	3112a	Ti	10.0 ± 0.1	3162a
Cu	10.0 ± 0.1	3114	Tl	4.00 ± 0.04	3158
Fe	500 ± 5	3126a	V	10.0 ± 0.1	3165
K	500 ± 5	3141a	Zn	50.0 ± 0.5	3168a
Mg	500 ± 5	3131a			

Certified values are based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.
* Refer to Traceability Information, Section 4

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for one year from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: December 2023
Expiration Date: December 31, 2024
Certificate Issue Date: December 4, 2023

Julio Soto, Quality Manager

Preparation Information:

This Certified Reference Material (CRM) is generally prepared from single element standard solutions that are ISO 17034 certified reference materials and manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

Reagent

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me_MS-ICSA_00012

Recd 8-29-23 DE

11094917
ID: me_MS-ICSA_00012
Exp:11/02/24 Prpd: Opn:08/29/23
ICP-MS STOCK STD

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICPMS-ICSA

ICPMS ICSA Mix

Lot #: 1332492-1

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Na	1000 ± 5 mg/L
C	2000 ± 10 mg/L	K	1000 ± 5 mg/L	P	1000 ± 5 mg/L
Ca	999.9 ± 5.0 mg/L	Mg	1000 ± 5 mg/L	S	1000 ± 5 mg/L
Cl	10,000 ± 50 mg/L	Mo	20.02 ± 0.10 mg/L	Ti	20.05 ± 0.10 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1249289	Fe	1249266	Na	1245609
C	T18I013	K	1287603	P	1225600
Ca	1232112	Mg	1222806	S	1207779
Cl	221613	Mo	1207790	Ti	1094307

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	MAJOR	Sb	3	Te	<1
Al	MAJOR	Cs	<0.5	Hf	<0.2	Mg	MAJOR	Pb	<1	Sc	<5	Ti	MAJOR
As	<2	Cr	75	Hg	<0.5	Mn	3	Pd	<0.5	Se	10	Tl	<0.5
Au	1	Cu	2	Ho	<0.2	Mo	MAJOR	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	MAJOR	Pt	<0.5	Sm	<0.2	V	<1
Ba	6	Er	<0.2	Ir	0.4	Nb	<0.5	Rb	7	Sn	5	W	1
Bi	2	Eu	<0.2	K	MAJOR	Nd	<0.2	Re	<0.2	Sr	6	Y	<0.5
Ca	MAJOR	Fe	MAJOR	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	4	Ga	28	Li	3	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	8
Ce	<0.2	Gd	<0.2										

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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

May 2, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
  - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

Reagent

ME_Pb_00015

3/27/2024
11:47:49 AM

Agilent

rec'd 2/20/24
LD

CERTIFICATE OF ANALYSIS

11531751
ID: ME_Pb_00015
Exp 04/30/25 Prpd
Lead 10,000 mg/L

Agilent Product Name: Lead Standard: 10000 µg/mL Pb in 5% HNO_3
Agilent Part No: 5190-8406
Lot No: 0013824586

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Pb	Pb	7439-92-1	5% HNO_3	9944 ± 61 µg/mL (w/v)
				9711 ± 59 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.999% pure lead (Pb) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3128, lot #101026. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

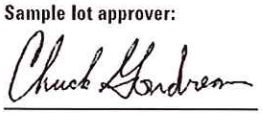
Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	MAJOR	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	33
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	10	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<50	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 10 October 2023
Date of expiration: 30 April 2025

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

Reagent

Mega Mix SS_00020

R2396

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110 Benner Circle
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992.SEC **Lot No.:** A0195252

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Diethyl ether (ethyl ether)	60-29-7.SEC	F23X068	99%	2,516.7 µg/mL	+/- 86.9644
2	1,1,2-Trichlorotrifluoroethane (CFC-113)	76-13-1.SEC	18342	99%	2,520.0 µg/mL	+/- 87.0795
3	1,1-Dichloroethene	75-35-4.SEC	13896500	99%	2,525.0 µg/mL	+/- 87.2523
4	tert-Butanol (TBA)	75-65-0.SEC	DI34O	99%	25,129.5 µg/mL	+/- 868.3580
5	Methyl acetate	79-20-9.SEC	UCNEL	99%	5,029.0 µg/mL	+/- 173.7790
6	Iodomethane (methyl iodide)	74-88-4.SEC	Y25A027	99%	2,521.7 µg/mL	+/- 87.1371
7	Allyl chloride (3-chloropropene)	107-05-1.SEC	RD210329	99%	2,518.2 µg/mL	+/- 87.0162
8	Methylene chloride (dichloromethane)	75-09-2.SEC	FGM02	99%	2,516.7 µg/mL	+/- 86.9644
9	Carbon disulfide	75-15-0.SEC	MKBL1376V	99%	2,511.7 µg/mL	+/- 86.7916
10	Acrylonitrile	107-13-1.SEC	V54AD	99%	25,200.3 µg/mL	+/- 870.8057
11	Methyl-tert-butyl ether (MTBE)	1634-04-4.SEC	CDCQG	99%	2,517.3 µg/mL	+/- 86.9874
12	cis-1,2-Dichloroethene	156-59-2.SEC	YZO5O	99%	2,515.3 µg/mL	+/- 86.9183
13	n-Hexane (C6)	110-54-3.SEC	10188491	99%	2,514.7 µg/mL	+/- 86.8953
14	1,1-Dichloroethane	75-34-3.SEC	1026.30-3	98%	2,512.6 µg/mL	+/- 86.8223
15	2,2-Dichloropropane	594-20-7.SEC	GI01	99%	2,521.5 µg/mL	+/- 87.1314
16	trans-1,2-Dichloroethene	156-60-5.SEC	L5QOH	99%	2,525.0 µg/mL	+/- 87.2523

17	Isobutanol (2-Methyl-1-propanol)	78-83-1.SEC PH2XK	99%	62,830.8	µg/mL	+/- 2,171.1398
18	Chloroform	67-66-3.SEC 1297547	99%	2,511.7	µg/mL	+/- 86.7916
19	Bromochloromethane	74-97-5 * 230206JLM	99%	2,515.7	µg/mL	+/- 86.9298
20	Tetrahydrofuran	109-99-9.SEC 3NYHE	99%	5,018.5	µg/mL	+/- 173.4162
21	1,1,1-Trichloroethane	71-55-6.SEC 13891800	99%	2,506.5	µg/mL	+/- 86.6130
22	Cyclohexane	110-82-7.SEC YADRA	99%	2,523.3	µg/mL	+/- 87.1947
23	1,1-Dichloropropene	563-58-6.SEC 556500	99%	2,520.5	µg/mL	+/- 87.0968
24	Carbon tetrachloride	56-23-5.SEC 11466	99%	2,520.5	µg/mL	+/- 87.0968
25	n-Heptane (C7)	142-82-5.SEC TFHUC	99%	2,516.5	µg/mL	+/- 86.9586
26	1,2-Dichloroethane	107-06-2.SEC 00016165	99%	2,519.8	µg/mL	+/- 87.0738
27	Benzene	71-43-2.SEC 101960P29K	99%	2,518.8	µg/mL	+/- 87.0392
28	Trichloroethene	79-01-6.SEC H04X050	99%	2,524.3	µg/mL	+/- 87.2293
29	Methylcyclohexane	108-87-2.SEC Q02QG	99%	2,515.8	µg/mL	+/- 86.9356
30	1,2-Dichloropropane	78-87-5.SEC ERRBI-RH	99%	2,516.8	µg/mL	+/- 86.9701
31	1,4-Dioxane	123-91-1.SEC QHRWO	99%	50,137.2	µg/mL	+/- 1,732.5061
32	Dibromomethane	74-95-3.SEC MOKKJ	99%	2,516.3	µg/mL	+/- 86.9528
33	cis-1,3-Dichloropropene	10061-01-5.SEC ZLXJ-TJ	99%	2,502.8	µg/mL	+/- 86.4863
34	Toluene	108-88-3.SEC YND2B-BD	99%	2,522.2	µg/mL	+/- 87.1544
35	Ethyl methacrylate	97-63-2.SEC AQSPO	99%	2,510.8	µg/mL	+/- 86.7628
36	trans-1,3-Dichloropropene	10061-02-6.SEC DMSL	98%	2,517.1	µg/mL	+/- 86.9804
37	1,1,2-Trichloroethane	79-00-5.SEC 9245400	99%	2,512.2	µg/mL	+/- 86.8089
38	1,3-Dichloropropane	142-28-9.SEC IQCON	99%	2,519.3	µg/mL	+/- 87.0565
39	Tetrachloroethene	127-18-4.SEC F09W014	99%	2,521.3	µg/mL	+/- 87.1256
40	Dibromochloromethane	124-48-1.SEC 10234064	99%	2,517.5	µg/mL	+/- 86.9932
41	1,2-Dibromoethane (EDB)	106-93-4.SEC 050675P15E	99%	2,518.3	µg/mL	+/- 87.0220
42	Chlorobenzene	108-90-7.SEC 1161936	99%	2,515.8	µg/mL	+/- 86.9356
43	m-Xylene	108-38-3.SEC 7ZV6F	99%	1,255.3	µg/mL	+/- 43.3814
44	p-Xylene	106-42-3.SEC D6UOA	99%	1,260.3	µg/mL	+/- 43.5541
45	Ethylbenzene	100-41-4.SEC PI4SE	99%	2,517.7	µg/mL	+/- 86.9989
46	1,1,1,2-Tetrachloroethane	630-20-6.SEC 13789800	99%	2,517.5	µg/mL	+/- 86.9932
47	o-Xylene	95-47-6.SEC UJ6RI	99%	2,515.8	µg/mL	+/- 86.9356
48	Styrene	100-42-5.SEC QGQ7F	99%	2,521.3	µg/mL	+/- 87.1256
49	Isopropylbenzene (cumene)	98-82-8.SEC 7P24L	99%	2,515.0	µg/mL	+/- 86.9068
50	Bromoform	75-25-2.SEC 13723500	99%	2,522.5	µg/mL	+/- 87.1659
51	Bromodichloromethane	75-27-4.SEC 28128	99%	2,524.2	µg/mL	+/- 87.2235
52	1,1,2,2-Tetrachloroethane	79-34-5.SEC BCCD5088	99%	2,523.7	µg/mL	+/- 87.2063

53	1,2,3-Trichloropropane	96-18-4.SEC 6V2ED	99%	2,522.2 µg/mL	+/- 87.1544
54	trans-1,4-Dichloro-2-butene	110-57-6.SEC RD230316RSR	96%	2,517.0 µg/mL	+/- 86.9745
55	n-Propylbenzene	103-65-1.SEC XCGEC	99%	2,518.8 µg/mL	+/- 87.0392
56	Bromobenzene	108-86-1.SEC 2FUHG-EM	99%	2,518.3 µg/mL	+/- 87.0220
57	1,3,5-Trimethylbenzene	108-67-8.SEC GI2SM	99%	2,514.3 µg/mL	+/- 86.8837
58	2-Chlorotoluene	95-49-8.SEC BRHPM	99%	2,515.7 µg/mL	+/- 86.9298
59	4-Chlorotoluene	106-43-4.SEC S5SKD	99%	2,518.8 µg/mL	+/- 87.0392
60	tert-Butylbenzene	98-06-6.SEC D6OHC	99%	2,522.0 µg/mL	+/- 87.1487
61	1,2,4-Trimethylbenzene	95-63-6.SEC JHZDD	99%	2,517.3 µg/mL	+/- 86.9874
62	sec-Butylbenzene	135-98-8.SEC O4HRF	99%	2,522.0 µg/mL	+/- 87.1487
63	4-Isopropyltoluene (p-cymene)	99-87-6.SEC 13889300	98%	2,518.1 µg/mL	+/- 87.0142
64	1,3-Dichlorobenzene	541-73-1.SEC ZA2ZI	99%	2,515.0 µg/mL	+/- 86.9068
65	1,4-Dichlorobenzene	106-46-7.SEC J5GVD	99%	2,522.5 µg/mL	+/- 87.1659
66	n-Butylbenzene	104-51-8.SEC MMPGA	99%	2,523.7 µg/mL	+/- 87.2063
67	1,2-Dichlorobenzene	95-50-1.SEC R6QDM	99%	2,512.0 µg/mL	+/- 86.8031
68	1,2-Dibromo-3-chloropropane	96-12-8.SEC Q135-105	99%	2,517.7 µg/mL	+/- 86.9989
69	1,2,4-Trichlorobenzene	120-82-1.SEC IGLFA	99%	2,515.7 µg/mL	+/- 86.9298
70	Hexachlorobutadiene	87-68-3.SEC 13889400	97%	2,520.4 µg/mL	+/- 87.0928
71	Naphthalene	91-20-3.SEC AM5NG	99%	2,520.0 µg/mL	+/- 87.0795
72	1,2,3-Trichlorobenzene	87-61-6.SEC A0043055	99%	2,517.8 µg/mL	+/- 87.0047

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

*** Restek is unable to identify a reliable and/or acceptable second source for this material - the same batch of neat material may have been used to produce both the primary and secondary standard. The primary and secondary standards were prepared using different equipment and personnel.**

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

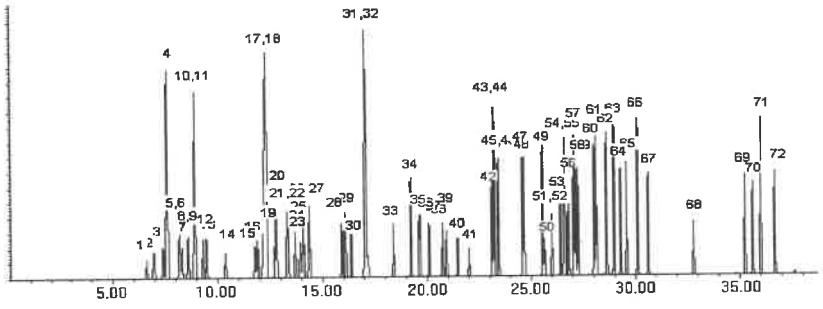
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
20.0 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 28-Feb-2023 **Balance Serial #** 1127510105

Christie Mills - Operations Tech II - ARM QC

Date Passed: 22-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

Mega Mix_00036

R2433

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

3/27/2024
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

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CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBN4280) **Purity** 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RD211021) **Purity** 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

8	Methylene chloride (dichloromethane)		2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBP1417)			+/-	151.6355	µg/mL	Unstressed
	Purity 99%				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide		2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	151.4470	µg/mL	Unstressed
	Purity 99%				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile		25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	1,514.5670	µg/mL	Unstressed
	Purity 99%				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKCP7830)			+/-	151.7486	µg/mL	Unstressed
	Purity 99%				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6)		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 760200)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot RD211103)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot 098794J01H)			+/-	3,778.9321	µg/mL	Unstressed
	Purity 99%				+/-	3,787.9040	µg/mL	Stressed
18	chloroform		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBN8469)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane		2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	151.8618	µg/mL	Unstressed
	Purity 99%				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran		5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBN3757)			+/-	303.8517	µg/mL	Unstressed
	Purity 99%				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane		2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	151.4168	µg/mL	Unstressed
	Purity 99%				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed

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24	carbon tetrachloride		2,513.5	µg/mL	+/-	14.6137	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	151.6506	µg/mL	Unstressed
	Purity 99%				+/-	152.0106	µg/mL	Stressed
25	n-Heptane (C7)		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
26	1,2-Dichloroethane		2,514.4	µg/mL	+/-	14.6188	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	151.7034	µg/mL	Unstressed
	Purity 99%				+/-	152.0636	µg/mL	Stressed
27	Benzene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
28	Trichloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed
29	Methylcyclohexane		2,510.3	µg/mL	+/-	14.5948	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	151.4545	µg/mL	Unstressed
	Purity 99%				+/-	151.8141	µg/mL	Stressed
30	1,2-Dichloropropane		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
31	1,4-Dioxane		50,187.5	µg/mL	+/-	291.7792	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM9675)			+/-	3,028.0328	µg/mL	Unstressed
	Purity 99%				+/-	3,035.2219	µg/mL	Stressed
32	Dibromomethane		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD220311)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
34	Toluene		2,518.4	µg/mL	+/-	14.6420	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	151.9447	µg/mL	Unstressed
	Purity 99%				+/-	152.3055	µg/mL	Stressed
35	Ethyl methacrylate		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,504.5	µg/mL	+/-	14.5615	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD211104)			+/-	151.1083	µg/mL	Unstressed
	Purity 98%				+/-	151.4671	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
38	1,3-Dichloropropane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
39	Tetrachloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed

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40	dibromochloromethane		2,514.8	µg/mL	+/-	14.6210	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	151.7260	µg/mL	Unstressed
	Purity 99%				+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,513.9	µg/mL	+/-	14.6159	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCCF5058)			+/-	151.6732	µg/mL	Unstressed
	Purity 99%				+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene		2,507.9	µg/mL	+/-	14.5810	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	151.3112	µg/mL	Unstressed
	Purity 99%				+/-	151.6704	µg/mL	Stressed
43	m-Xylene		1,260.0	µg/mL	+/-	7.3257	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot Q13G020)			+/-	76.0214	µg/mL	Unstressed
	Purity 99%				+/-	76.2019	µg/mL	Stressed
44	p-Xylene		1,258.6	µg/mL	+/-	7.3178	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	75.9384	µg/mL	Unstressed
	Purity 99%				+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene		2,516.0	µg/mL	+/-	14.6282	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	151.8014	µg/mL	Unstressed
	Purity 99%				+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,519.1	µg/mL	+/-	14.6464	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot TMWGK)			+/-	151.9900	µg/mL	Unstressed
	Purity 99%				+/-	152.3508	µg/mL	Stressed
47	o-Xylene		2,513.5	µg/mL	+/-	14.6134	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBN5105)			+/-	151.6479	µg/mL	Unstressed
	Purity 98%				+/-	152.0079	µg/mL	Stressed
48	Styrene		2,509.1	µg/mL	+/-	14.5883	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	151.3866	µg/mL	Unstressed
	Purity 99%				+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,518.5	µg/mL	+/-	14.6428	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	151.9523	µg/mL	Unstressed
	Purity 99%				+/-	152.3130	µg/mL	Stressed
50	bromoform		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	151.5001	µg/mL	Unstressed
	Purity 98%				+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane		2,518.1	µg/mL	+/-	14.6406	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	151.9296	µg/mL	Unstressed
	Purity 99%				+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,512.5	µg/mL	+/-	14.6079	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	151.5903	µg/mL	Unstressed
	Purity 99%				+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,511.8	µg/mL	+/-	14.6038	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	151.5480	µg/mL	Unstressed
	Purity 95%				+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene		2,515.6	µg/mL	+/-	14.6261	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCN1126)			+/-	151.7788	µg/mL	Unstressed
	Purity 99%				+/-	152.1392	µg/mL	Stressed

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56	Bromobenzene		2,516.9	µg/mL	+/-	14.6333	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot MKBD4032V)			+/-	151.8542	µg/mL	Unstressed
	Purity 99%				+/-	152.2147	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,512.3	µg/mL	+/-	14.6064	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	151.5752	µg/mL	Unstressed
	Purity 99%				+/-	151.9350	µg/mL	Stressed
58	2-Chlorotoluene		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
59	4-Chlorotoluene		2,513.1	µg/mL	+/-	14.6115	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	151.6280	µg/mL	Unstressed
	Purity 99%				+/-	151.9880	µg/mL	Stressed
60	tert-Butylbenzene		2,514.6	µg/mL	+/-	14.6202	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBD6954V)			+/-	151.7185	µg/mL	Unstressed
	Purity 99%				+/-	152.0787	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,517.1	µg/mL	+/-	14.6348	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	151.8696	µg/mL	Unstressed
	Purity 98%				+/-	152.2302	µg/mL	Stressed
62	sec-Butylbenzene		2,519.3	µg/mL	+/-	14.6471	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	151.9975	µg/mL	Unstressed
	Purity 99%				+/-	152.3584	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,512.0	µg/mL	+/-	14.6050	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	151.5601	µg/mL	Unstressed
	Purity 99%				+/-	151.9199	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,513.4	µg/mL	+/-	14.6130	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	151.6431	µg/mL	Unstressed
	Purity 99%				+/-	152.0031	µg/mL	Stressed
66	n-Butylbenzene		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,512.4	µg/mL	+/-	14.6074	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	151.5855	µg/mL	Unstressed
	Purity 97%				+/-	151.9454	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,510.4	µg/mL	+/-	14.5955	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	151.4620	µg/mL	Unstressed
	Purity 99%				+/-	151.8216	µg/mL	Stressed
70	Hexachlorobutadiene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
71	Naphthalene		2,520.6	µg/mL	+/-	14.6551	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	152.0805	µg/mL	Unstressed
	Purity 99%				+/-	152.4415	µg/mL	Stressed

72	1,2,3-Trichlorobenzene		2,513.0	µg/mL	+/-	14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)			+/-	151.6204	µg/mL	Unstressed
	Purity 99%				+/-	151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

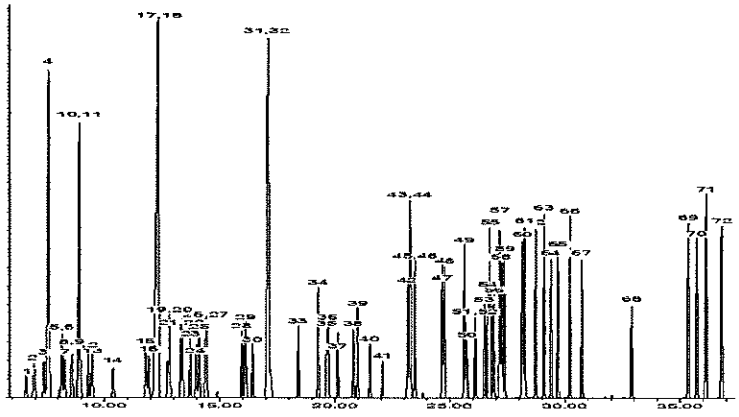
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckai - Mix Technician

Date Mixed: 31-Mar-2022 **Balance:** B707717271

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

Mega Mix_00037

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

R2464 # 11479992

1/25/2024 MS

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571992 **Lot No.:** A0183568

Description : 8260 List 1 / Std #1 MegaMix (2017)

8260 List 1 / Std #1 MegaMix (2017) 1,250-62,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2024 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Diethyl ether (ethyl ether) **CAS #** 60-29-7 (Lot SHBN4280) **Purity** 99%	2,506.6 µg/mL	+/- 14.5737 µg/mL +/- 151.2358 µg/mL +/- 151.5949 µg/mL	Gravimetric Unstressed Stressed
2	1,1,2-Trichlorotrifluoroethane (CFC-113) **CAS #** 76-13-1 (Lot 00016133) **Purity** 99%	2,514.5 µg/mL	+/- 14.6195 µg/mL +/- 151.7109 µg/mL +/- 152.0711 µg/mL	Gravimetric Unstressed Stressed
3	1,1-dichloroethene **CAS #** 75-35-4 (Lot SHBG8609V) **Purity** 99%	2,515.1 µg/mL	+/- 14.6232 µg/mL +/- 151.7486 µg/mL +/- 152.1089 µg/mL	Gravimetric Unstressed Stressed
4	tert-Butanol (TBA) **CAS #** 75-65-0 (Lot 101619K21F-1) **Purity** 99%	25,080.8 µg/mL	+/- 145.8140 µg/mL +/- 1,513.2321 µg/mL +/- 1,516.8247 µg/mL	Gravimetric Unstressed Stressed
5	Methyl acetate **CAS #** 79-20-9 (Lot SHBM1320) **Purity** 99%	5,026.6 µg/mL	+/- 29.2252 µg/mL +/- 303.2786 µg/mL +/- 303.9986 µg/mL	Gravimetric Unstressed Stressed
6	Iodomethane (methyl iodide) **CAS #** 74-88-4 (Lot RD220125) **Purity** 99%	2,505.3 µg/mL	+/- 14.5657 µg/mL +/- 151.1528 µg/mL +/- 151.5117 µg/mL	Gravimetric Unstressed Stressed
7	Allyl chloride (3-chloropropene) **CAS #** 107-05-1 (Lot RD211021) **Purity** 99%	2,509.1 µg/mL	+/- 14.5883 µg/mL +/- 151.3866 µg/mL +/- 151.7460 µg/mL	Gravimetric Unstressed Stressed

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8	Methylene chloride (dichloromethane)		2,513.3	µg/mL	+/-	14.6123	µg/mL	Gravimetric
	CAS # 75-09-2	(Lot SHBP1417)			+/-	151.6355	µg/mL	Unstressed
	Purity 99%				+/-	151.9955	µg/mL	Stressed
9	Carbon disulfide		2,510.1	µg/mL	+/-	14.5941	µg/mL	Gravimetric
	CAS # 75-15-0	(Lot N28F701)			+/-	151.4470	µg/mL	Unstressed
	Purity 99%				+/-	151.8065	µg/mL	Stressed
10	Acrylonitrile		25,102.9	µg/mL	+/-	145.9426	µg/mL	Gravimetric
	CAS # 107-13-1	(Lot SHBK4954)			+/-	1,514.5670	µg/mL	Unstressed
	Purity 99%				+/-	1,518.1628	µg/mL	Stressed
11	Methyl-tert-butyl ether (MTBE)		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 1634-04-4	(Lot SHBN6497)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
12	cis-1,2-Dichloroethene		2,515.1	µg/mL	+/-	14.6232	µg/mL	Gravimetric
	CAS # 156-59-2	(Lot MKCP7830)			+/-	151.7486	µg/mL	Unstressed
	Purity 99%				+/-	152.1089	µg/mL	Stressed
13	n-Hexane (C6)		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 110-54-3	(Lot SHBL9879)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
14	1,1-Dichloroethane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 75-34-3	(Lot 760200)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
15	2,2-Dichloropropane		2,517.9	µg/mL	+/-	14.6391	µg/mL	Gravimetric
	CAS # 594-20-7	(Lot RD211103)			+/-	151.9146	µg/mL	Unstressed
	Purity 99%				+/-	152.2752	µg/mL	Stressed
16	trans-1,2-Dichloroethene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 156-60-5	(Lot MKBH9850V)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
17	Isobutanol (2-Methyl-1-propanol)		62,633.1	µg/mL	+/-	364.1354	µg/mL	Gravimetric
	CAS # 78-83-1	(Lot 098794J01H)			+/-	3,778.9321	µg/mL	Unstressed
	Purity 99%				+/-	3,787.9040	µg/mL	Stressed
18	chloroform		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 67-66-3	(Lot SHBN8469)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
19	Bromochloromethane		2,517.0	µg/mL	+/-	14.6341	µg/mL	Gravimetric
	CAS # 74-97-5	(Lot 00008541)			+/-	151.8618	µg/mL	Unstressed
	Purity 99%				+/-	152.2223	µg/mL	Stressed
20	Tetrahydrofuran		5,036.1	µg/mL	+/-	29.2805	µg/mL	Gravimetric
	CAS # 109-99-9	(Lot SHBN3757)			+/-	303.8517	µg/mL	Unstressed
	Purity 99%				+/-	304.5731	µg/mL	Stressed
21	1,1,1-trichloroethane		2,509.6	µg/mL	+/-	14.5912	µg/mL	Gravimetric
	CAS # 71-55-6	(Lot RD220215)			+/-	151.4168	µg/mL	Unstressed
	Purity 99%				+/-	151.7763	µg/mL	Stressed
22	Cyclohexane		2,510.0	µg/mL	+/-	14.5934	µg/mL	Gravimetric
	CAS # 110-82-7	(Lot EA003-US)			+/-	151.4394	µg/mL	Unstressed
	Purity 99%				+/-	151.7990	µg/mL	Stressed
23	1,1-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 563-58-6	(Lot 220217JLM)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed

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24	carbon tetrachloride		2,513.5	µg/mL	+/-	14.6137	µg/mL	Gravimetric
	CAS # 56-23-5	(Lot SHBL8097)			+/-	151.6506	µg/mL	Unstressed
	Purity 99%				+/-	152.0106	µg/mL	Stressed
25	n-Heptane (C7)		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 142-82-5	(Lot SGBL9221)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
26	1,2-Dichloroethane		2,514.4	µg/mL	+/-	14.6188	µg/mL	Gravimetric
	CAS # 107-06-2	(Lot MKCN9758)			+/-	151.7034	µg/mL	Unstressed
	Purity 99%				+/-	152.0636	µg/mL	Stressed
27	Benzene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 71-43-2	(Lot MKCM9242)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
28	Trichloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 79-01-6	(Lot SHBL5816)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed
29	Methylcyclohexane		2,510.3	µg/mL	+/-	14.5948	µg/mL	Gravimetric
	CAS # 108-87-2	(Lot SHBL0078)			+/-	151.4545	µg/mL	Unstressed
	Purity 99%				+/-	151.8141	µg/mL	Stressed
30	1,2-Dichloropropane		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 78-87-5	(Lot BCBR0882V)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
31	1,4-Dioxane		50,187.5	µg/mL	+/-	291.7792	µg/mL	Gravimetric
	CAS # 123-91-1	(Lot SHBM9675)			+/-	3,028.0328	µg/mL	Unstressed
	Purity 99%				+/-	3,035.2219	µg/mL	Stressed
32	Dibromomethane		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 74-95-3	(Lot 10201030)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
33	cis-1,3-Dichloropropene		2,513.8	µg/mL	+/-	14.6152	µg/mL	Gravimetric
	CAS # 10061-01-5	(Lot RD220311)			+/-	151.6657	µg/mL	Unstressed
	Purity 99%				+/-	152.0258	µg/mL	Stressed
34	Toluene		2,518.4	µg/mL	+/-	14.6420	µg/mL	Gravimetric
	CAS # 108-88-3	(Lot MKCQ2779)			+/-	151.9447	µg/mL	Unstressed
	Purity 99%				+/-	152.3055	µg/mL	Stressed
35	Ethyl methacrylate		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 97-63-2	(Lot MKCL0907)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
36	trans-1,3-Dichloropropene		2,504.5	µg/mL	+/-	14.5615	µg/mL	Gravimetric
	CAS # 10061-02-6	(Lot RD211104)			+/-	151.1083	µg/mL	Unstressed
	Purity 98%				+/-	151.4671	µg/mL	Stressed
37	1,1,2-Trichloroethane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 79-00-5	(Lot FGB01)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
38	1,3-Dichloropropane		2,513.6	µg/mL	+/-	14.6144	µg/mL	Gravimetric
	CAS # 142-28-9	(Lot BCBC6265)			+/-	151.6581	µg/mL	Unstressed
	Purity 99%				+/-	152.0182	µg/mL	Stressed
39	Tetrachloroethene		2,507.5	µg/mL	+/-	14.5788	µg/mL	Gravimetric
	CAS # 127-18-4	(Lot SHBJ7422)			+/-	151.2886	µg/mL	Unstressed
	Purity 99%				+/-	151.6478	µg/mL	Stressed

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40	dibromochloromethane		2,514.8	µg/mL	+/-	14.6210	µg/mL	Gravimetric
	CAS # 124-48-1	(Lot MKCM8659)			+/-	151.7260	µg/mL	Unstressed
	Purity 99%				+/-	152.0862	µg/mL	Stressed
41	1,2-Dibromoethane (EDB)		2,513.9	µg/mL	+/-	14.6159	µg/mL	Gravimetric
	CAS # 106-93-4	(Lot BCCF5058)			+/-	151.6732	µg/mL	Unstressed
	Purity 99%				+/-	152.0333	µg/mL	Stressed
42	Chlorobenzene		2,507.9	µg/mL	+/-	14.5810	µg/mL	Gravimetric
	CAS # 108-90-7	(Lot SHBL8110)			+/-	151.3112	µg/mL	Unstressed
	Purity 99%				+/-	151.6704	µg/mL	Stressed
43	m-Xylene		1,260.0	µg/mL	+/-	7.3257	µg/mL	Gravimetric
	CAS # 108-38-3	(Lot Q13G020)			+/-	76.0214	µg/mL	Unstressed
	Purity 99%				+/-	76.2019	µg/mL	Stressed
44	p-Xylene		1,258.6	µg/mL	+/-	7.3178	µg/mL	Gravimetric
	CAS # 106-42-3	(Lot 10234437)			+/-	75.9384	µg/mL	Unstressed
	Purity 99%				+/-	76.1187	µg/mL	Stressed
45	Ethylbenzene		2,516.0	µg/mL	+/-	14.6282	µg/mL	Gravimetric
	CAS # 100-41-4	(Lot SHBM4308)			+/-	151.8014	µg/mL	Unstressed
	Purity 99%				+/-	152.1618	µg/mL	Stressed
46	1,1,1,2-Tetrachloroethane		2,519.1	µg/mL	+/-	14.6464	µg/mL	Gravimetric
	CAS # 630-20-6	(Lot TMWGK)			+/-	151.9900	µg/mL	Unstressed
	Purity 99%				+/-	152.3508	µg/mL	Stressed
47	o-Xylene		2,513.5	µg/mL	+/-	14.6134	µg/mL	Gravimetric
	CAS # 95-47-6	(Lot SHBN5105)			+/-	151.6479	µg/mL	Unstressed
	Purity 98%				+/-	152.0079	µg/mL	Stressed
48	Styrene		2,509.1	µg/mL	+/-	14.5883	µg/mL	Gravimetric
	CAS # 100-42-5	(Lot MKCP3941)			+/-	151.3866	µg/mL	Unstressed
	Purity 99%				+/-	151.7460	µg/mL	Stressed
49	Isopropylbenzene (cumene)		2,518.5	µg/mL	+/-	14.6428	µg/mL	Gravimetric
	CAS # 98-82-8	(Lot Z20D022)			+/-	151.9523	µg/mL	Unstressed
	Purity 99%				+/-	152.3130	µg/mL	Stressed
50	bromoform		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 75-25-2	(Lot SHBK4455)			+/-	151.5001	µg/mL	Unstressed
	Purity 98%				+/-	151.8597	µg/mL	Stressed
51	bromodichloromethane		2,518.1	µg/mL	+/-	14.6406	µg/mL	Gravimetric
	CAS # 75-27-4	(Lot MKCM7156)			+/-	151.9296	µg/mL	Unstressed
	Purity 99%				+/-	152.2903	µg/mL	Stressed
52	1,1,2,2-Tetrachloroethane		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 79-34-5	(Lot CFA4D)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
53	1,2,3-Trichloropropane		2,512.5	µg/mL	+/-	14.6079	µg/mL	Gravimetric
	CAS # 96-18-4	(Lot 332900)			+/-	151.5903	µg/mL	Unstressed
	Purity 99%				+/-	151.9502	µg/mL	Stressed
54	trans-1,4-dichloro-2-butene		2,511.8	µg/mL	+/-	14.6038	µg/mL	Gravimetric
	CAS # 110-57-6	(Lot RD220405A)			+/-	151.5480	µg/mL	Unstressed
	Purity 95%				+/-	151.9078	µg/mL	Stressed
55	n-Propylbenzene		2,515.6	µg/mL	+/-	14.6261	µg/mL	Gravimetric
	CAS # 103-65-1	(Lot MKCN1126)			+/-	151.7788	µg/mL	Unstressed
	Purity 99%				+/-	152.1392	µg/mL	Stressed

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56	Bromobenzene		2,516.9	µg/mL	+/-	14.6333	µg/mL	Gravimetric
	CAS # 108-86-1	(Lot MKBD4032V)			+/-	151.8542	µg/mL	Unstressed
	Purity 99%				+/-	152.2147	µg/mL	Stressed
57	1,3,5-Trimethylbenzene		2,512.3	µg/mL	+/-	14.6064	µg/mL	Gravimetric
	CAS # 108-67-8	(Lot BCCD0427)			+/-	151.5752	µg/mL	Unstressed
	Purity 99%				+/-	151.9350	µg/mL	Stressed
58	2-Chlorotoluene		2,510.9	µg/mL	+/-	14.5984	µg/mL	Gravimetric
	CAS # 95-49-8	(Lot MKCF5243)			+/-	151.4922	µg/mL	Unstressed
	Purity 99%				+/-	151.8519	µg/mL	Stressed
59	4-Chlorotoluene		2,513.1	µg/mL	+/-	14.6115	µg/mL	Gravimetric
	CAS # 106-43-4	(Lot MKCC8496)			+/-	151.6280	µg/mL	Unstressed
	Purity 99%				+/-	151.9880	µg/mL	Stressed
60	tert-Butylbenzene		2,514.6	µg/mL	+/-	14.6202	µg/mL	Gravimetric
	CAS # 98-06-6	(Lot STBD6954V)			+/-	151.7185	µg/mL	Unstressed
	Purity 99%				+/-	152.0787	µg/mL	Stressed
61	1,2,4-Trimethylbenzene		2,517.1	µg/mL	+/-	14.6348	µg/mL	Gravimetric
	CAS # 95-63-6	(Lot WXBC9428V)			+/-	151.8696	µg/mL	Unstressed
	Purity 98%				+/-	152.2302	µg/mL	Stressed
62	sec-Butylbenzene		2,519.3	µg/mL	+/-	14.6471	µg/mL	Gravimetric
	CAS # 135-98-8	(Lot MKCN2920)			+/-	151.9975	µg/mL	Unstressed
	Purity 99%				+/-	152.3584	µg/mL	Stressed
63	p-Isopropyltoluene (p-Cymene)		2,512.0	µg/mL	+/-	14.6050	µg/mL	Gravimetric
	CAS # 99-87-6	(Lot MKCP6638)			+/-	151.5601	µg/mL	Unstressed
	Purity 99%				+/-	151.9199	µg/mL	Stressed
64	1,3-Dichlorobenzene		2,515.5	µg/mL	+/-	14.6253	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCBZ7498)			+/-	151.7713	µg/mL	Unstressed
	Purity 99%				+/-	152.1316	µg/mL	Stressed
65	1,4-Dichlorobenzene		2,513.4	µg/mL	+/-	14.6130	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	151.6431	µg/mL	Unstressed
	Purity 99%				+/-	152.0031	µg/mL	Stressed
66	n-Butylbenzene		2,511.0	µg/mL	+/-	14.5992	µg/mL	Gravimetric
	CAS # 104-51-8	(Lot 09418JJ)			+/-	151.4998	µg/mL	Unstressed
	Purity 99%				+/-	151.8594	µg/mL	Stressed
67	1,2-Dichlorobenzene		2,511.4	µg/mL	+/-	14.6014	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	151.5224	µg/mL	Unstressed
	Purity 99%				+/-	151.8821	µg/mL	Stressed
68	1,2-Dibromo-3-chloropropane		2,512.4	µg/mL	+/-	14.6074	µg/mL	Gravimetric
	CAS # 96-12-8	(Lot HBMVB)			+/-	151.5855	µg/mL	Unstressed
	Purity 97%				+/-	151.9454	µg/mL	Stressed
69	1,2,4-Trichlorobenzene		2,510.4	µg/mL	+/-	14.5955	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	151.4620	µg/mL	Unstressed
	Purity 99%				+/-	151.8216	µg/mL	Stressed
70	Hexachlorobutadiene		2,509.3	µg/mL	+/-	14.5890	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	151.3942	µg/mL	Unstressed
	Purity 99%				+/-	151.7536	µg/mL	Stressed
71	Naphthalene		2,520.6	µg/mL	+/-	14.6551	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	152.0805	µg/mL	Unstressed
	Purity 99%				+/-	152.4415	µg/mL	Stressed

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72	1,2,3-Trichlorobenzene		2,513.0 µg/mL	+/-	14.6108	µg/mL	Gravimetric
	CAS # 87-61-6	(Lot MKBX7627V)		+/-	151.6204	µg/mL	Unstressed
	Purity 99%			+/-	151.9804	µg/mL	Stressed

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

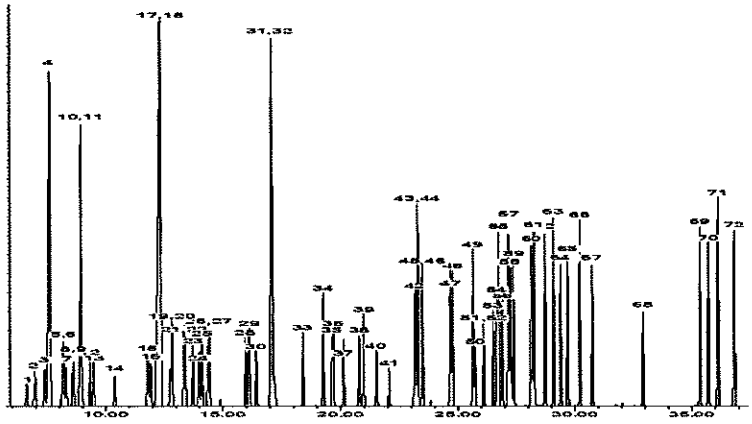
Carrier Gas:
helium-constant pressure 30 psi

Temp. Program:
40°C (hold 6 min.) to 240°C
@ 6°C/min. (hold 10 min.)

Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

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Tom Suckar - Mix Technician

Date Mixed: 31-Mar-2022 **Balance:** B707717271

Date Passed: 21-Apr-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

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Reagent

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Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)
Product Number: CUS-00003500
Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715186
Lot Issue Date: 17-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2001	± 10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2008	± 10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2009	± 10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2003	± 10 µg/mL	000100-47-0	RM03650
carbamazepin	2001	± 10 µg/mL	000298-46-4	RM05185
coumarin	2005	± 10 µg/mL	000091-64-5	RM01892
N-methylaniline	2000	± 10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2007	± 10 µg/mL	000082-68-8	RM20368
diphenyl ether	2003	± 10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2001	± 10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

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ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Bisphenol A Std - 1000ug/mL (5mL)
Product Number: CUS-00003804
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006715838
Lot Issue Date: 18-Nov-2022
Expiration Date: 31-Dec-2024

	CERTIFIED VALUES			
Component Name	Concentration	Expanded Uncertainty	CAS#	Analyte Lot
bisphenol A	1002 ±	5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Reagent

OP_AROCLOR_00022

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0194496

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2029 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Aroclor 1016	12674-11-2	4	----%	1,006.3 µg/mL	+/- 55.8274
2	Aroclor 1260	11096-82-5	1320657	----%	1,005.0 µg/mL	+/- 55.7581

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Quality Confirmation Test

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

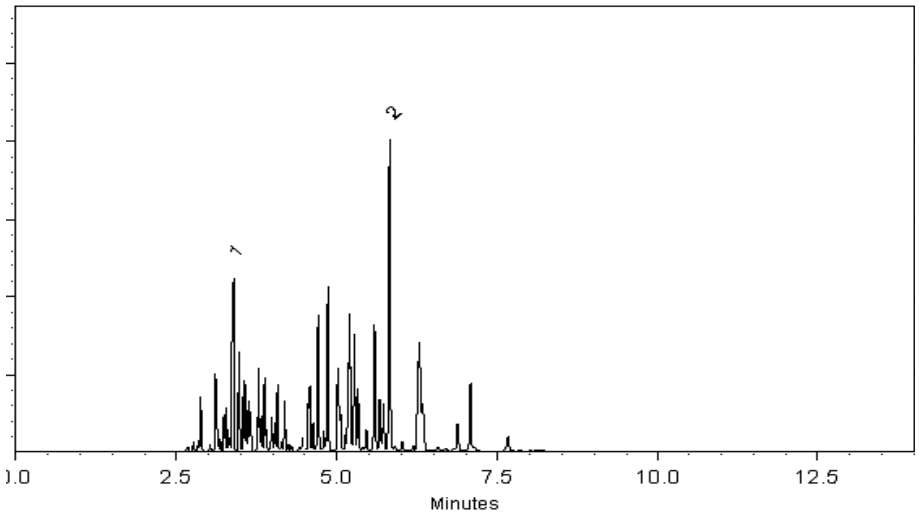
Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 09-Feb-2023 **Balance Serial #** B442140311

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_BenzAcid_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

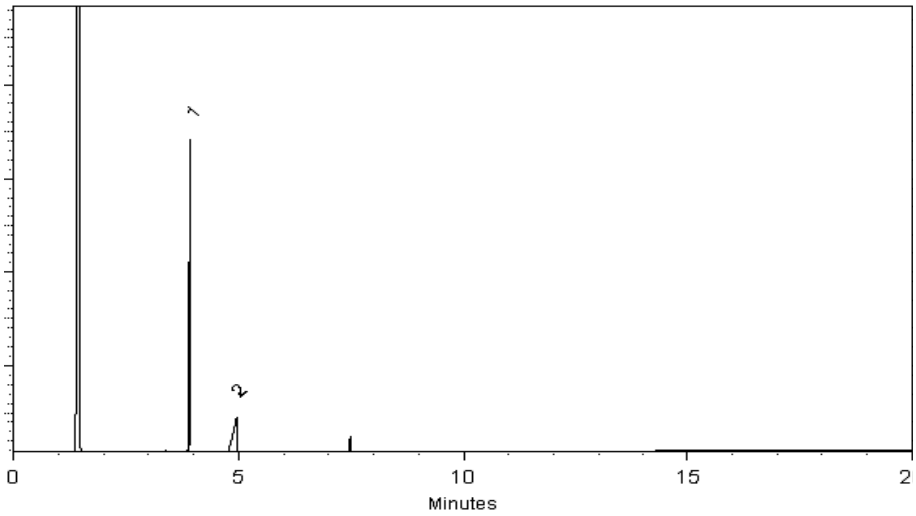
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_Benzald_sp_00020

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

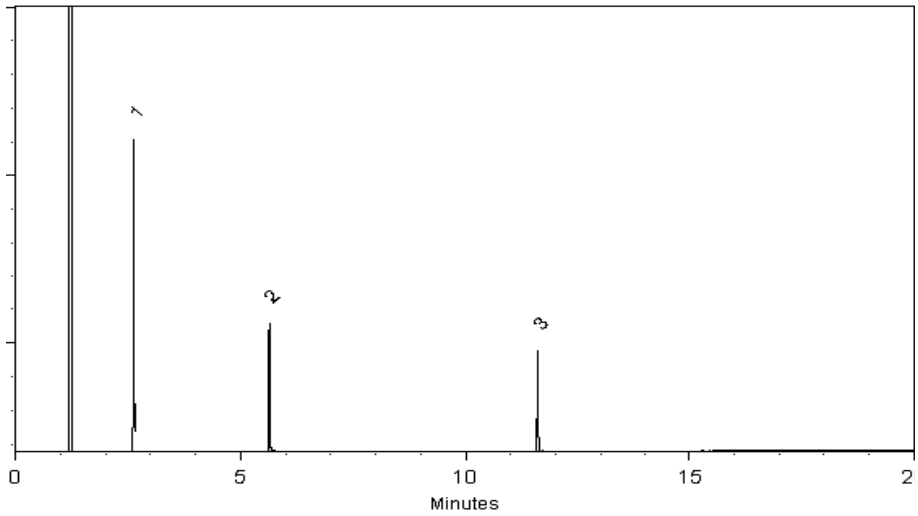
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_BNA_SURR_00012

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration		Expanded Uncertainty	CAS#	Analyte Lot
2-fluorophenol	5003	±	25 µg/mL	000367-12-4	RM18822
phenol-d5	5003	±	25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	±	25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	±	25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	±	25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	±	25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

OP_MEGA_2017_00014

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0204755

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ2407	99%	1,005.5 µg/mL	+/- 18.5816
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,010.0 µg/mL	+/- 18.6648
3	Pyridine	110-86-1	SHBP6240	99%	2,016.2 µg/mL	+/- 37.2501
4	Phenol	108-95-2	MKCK1120	99%	1,006.3 µg/mL	+/- 18.5970
5	Aniline	62-53-3	X22F726	99%	1,007.7 µg/mL	+/- 18.6216
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,009.0 µg/mL	+/- 18.6463
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,008.2 µg/mL	+/- 18.6309
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,008.7 µg/mL	+/- 18.6401
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.0 µg/mL	+/- 18.5539
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,009.7 µg/mL	+/- 18.6586
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 18.5816
12	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,008.3 µg/mL	+/- 18.6340
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,005.5 µg/mL	+/- 18.5816
14	2,2'-oxybis(1-chloropropane)	108-60-1	230609JLM	99%	1,007.7 µg/mL	+/- 18.6216
15	Acetophenone	98-86-2	STBH8205	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	503.0 µg/mL	+/- 9.2954

17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.0	µg/mL	+/- 9.2954
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,007.3	µg/mL	+/- 18.6155
19	Hexachloroethane	67-72-1	QTORH	99%	1,003.8	µg/mL	+/- 18.5508
20	Nitrobenzene	98-95-3	10224044	99%	1,004.3	µg/mL	+/- 18.5600
21	Isophorone	78-59-1	MKCC9506	99%	1,005.5	µg/mL	+/- 18.5816
22	2-Nitrophenol	88-75-5	RP230710	99%	1,005.5	µg/mL	+/- 18.5816
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 18.5508
24	Bis(2-chloroethoxy)methane	111-91-1	14407100	99%	1,009.3	µg/mL	+/- 18.6524
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,005.2	µg/mL	+/- 18.5754
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.3	µg/mL	+/- 18.5970
27	Naphthalene	91-20-3	STBL1057	99%	1,005.0	µg/mL	+/- 18.5724
28	2,6-Dichlorophenol	87-65-0	MKCP7682	99%	1,009.2	µg/mL	+/- 18.6494
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.2	µg/mL	+/- 18.6309
30	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,007.1	µg/mL	+/- 18.6114
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.8	µg/mL	+/- 18.5878
32	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	999.6	µg/mL	+/- 18.4726
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,009.5	µg/mL	+/- 18.6555
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,007.9	µg/mL	+/- 18.6265
36	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,005.5	µg/mL	+/- 18.5816
37	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,008.3	µg/mL	+/- 18.6325
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.2	µg/mL	+/- 18.5570
39	Biphenyl	92-52-4	MKCL6515	99%	1,005.0	µg/mL	+/- 18.5724
40	2-Nitroaniline	88-74-4	RP230531	99%	1,009.7	µg/mL	+/- 18.6586
41	Acenaphthylene	208-96-8	p06V	98%	1,008.7	µg/mL	+/- 18.6416
42	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,007.5	µg/mL	+/- 18.6186
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,009.5	µg/mL	+/- 18.6555
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,007.7	µg/mL	+/- 18.6216
45	3-Nitroaniline	99-09-2	RP231103CTH-1	99%	1,007.2	µg/mL	+/- 18.6124
46	Acenaphthene	83-32-9	MKCR7169	99%	1,008.5	µg/mL	+/- 18.6370
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.7	µg/mL	+/- 37.2963
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.0	µg/mL	+/- 18.5539
49	4-Nitrophenol	100-02-7	RP230627	99%	2,019.0	µg/mL	+/- 37.3025
50	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,006.8	µg/mL	+/- 18.6062
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,010.0	µg/mL	+/- 18.6648
52	Fluorene	86-73-7	10241100	99%	1,010.0	µg/mL	+/- 18.6648

53	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	1,003.8	µg/mL	+/- 18.5508
54	Diethylphthalate	84-66-2	BCCD3396	99%	1,008.7	µg/mL	+/- 18.6401
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,005.3	µg/mL	+/- 18.5785
56	4-Nitroaniline	100-01-6	RP230111	99%	1,005.5	µg/mL	+/- 18.5816
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	2,018.5	µg/mL	+/- 37.2933
58	Diphenylamine	122-39-4	MKCT1512	99%	856.3	µg/mL	+/- 15.8250
59	Azobenzene	103-33-3	BCCK0887	99%	1,005.5	µg/mL	+/- 18.5816
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.2	µg/mL	+/- 18.5754
61	Hexachlorobenzene	118-74-1	14821700	99%	1,008.0	µg/mL	+/- 18.6278
62	Pentachlorophenol	87-86-5	RP231108CTH	99%	2,017.7	µg/mL	+/- 37.2779
63	n-Octadecane (C18)	593-45-3	UE5NG	98%	1,008.9	µg/mL	+/- 18.6446
64	Phenanthrene	85-01-8	MKCS5188	99%	1,009.5	µg/mL	+/- 18.6555
65	Anthracene	120-12-7	MKCR0570	99%	1,008.8	µg/mL	+/- 18.6432
66	Carbazole	86-74-8	14351100	99%	1,006.8	µg/mL	+/- 18.6062
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.3	µg/mL	+/- 18.6155
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0	BCCG8479	98%	1,007.3	µg/mL	+/- 18.6144
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,009.8	µg/mL	+/- 18.6617
71	Benz(a)anthracene	56-55-3	I30012022BAA	99%	1,009.2	µg/mL	+/- 18.6494
72	Chrysene	218-01-9	RP231102CTH	99%	1,007.7	µg/mL	+/- 18.6216
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,007.3	µg/mL	+/- 18.6155
74	Di-n-octyl phthalate	117-84-0	14783100	99%	1,004.7	µg/mL	+/- 18.5662
75	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,005.3	µg/mL	+/- 18.5785
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.7	µg/mL	+/- 18.5477
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,006.0	µg/mL	+/- 18.5903
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,007.0	µg/mL	+/- 18.6097
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,005.5	µg/mL	+/- 18.5816
80	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,009.8	µg/mL	+/- 18.6617

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

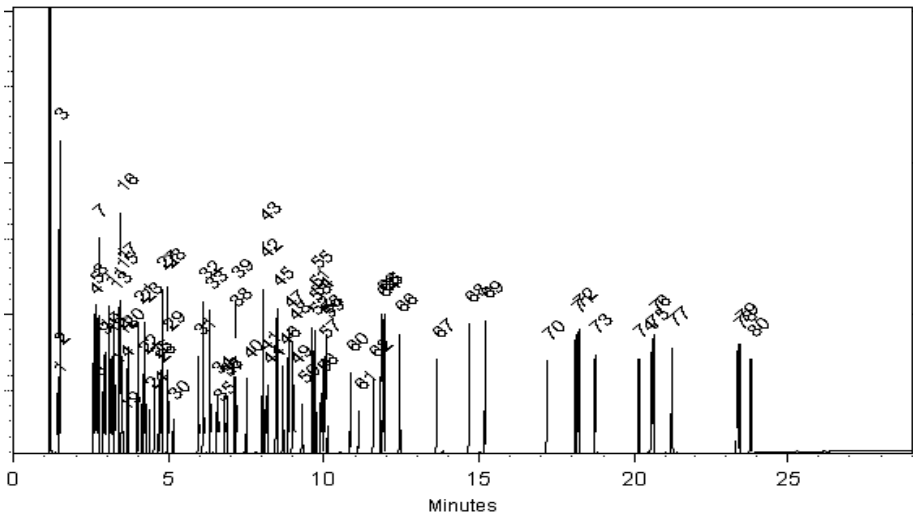
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 27-Nov-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 30-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OP_std #1_BNA_00013

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0194453

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S221205RSR	99%	2,018.3 µg/mL	+/- 37.2902
2	3,3'-Dichlorobenzidine	91-94-1	S221201RSR	99%	2,018.6 µg/mL	+/- 37.2948

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

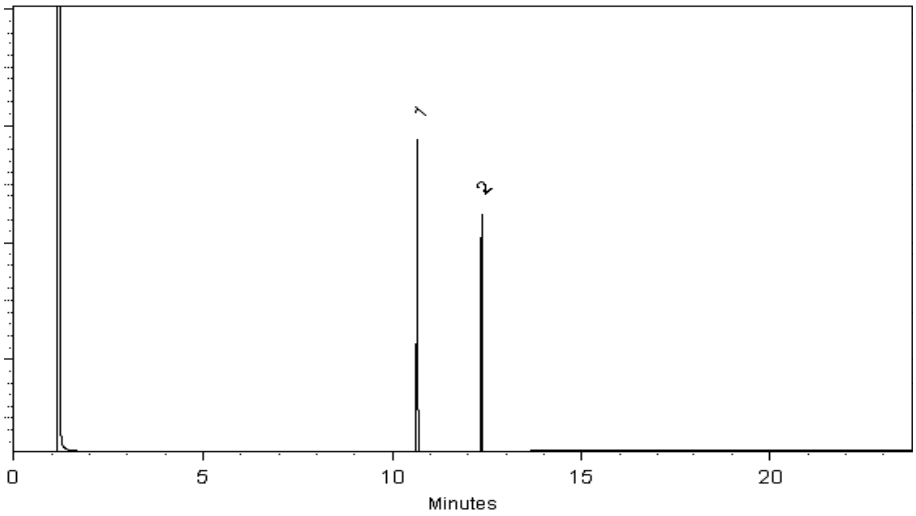
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 08-Feb-2023 **Balance Serial #** 1122030677

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

OPPESTsurr_00011

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32457 **Lot No.:** A0167624

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200µg/mL, Acetone, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2027 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1794 µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3374 µg/mL	Unstressed
	Purity 98%		+/- 8.2781 µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	201.2 µg/mL	+/- 1.1869 µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3780 µg/mL	Unstressed
	Purity 99%		+/- 8.3311 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x .25mm x .2um
Rtx-CLP II (cat.# 11323)

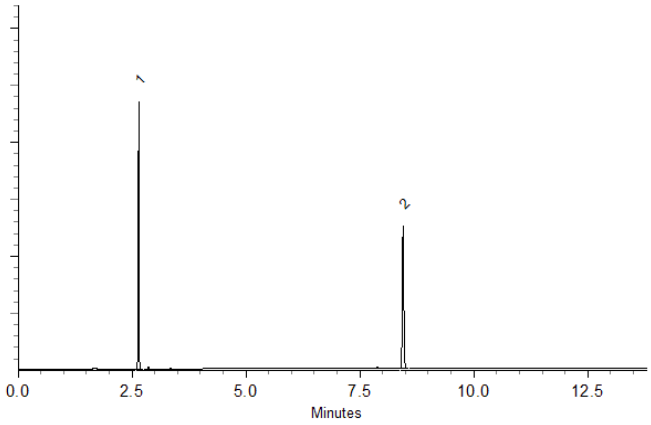
Carrier Gas:
helium-constant pressure 20 psi.

Temp. Program:
200°C to 300°C
@ 25°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
300°C

Det. Type:
ECD



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brandon Reish - Mix Technician

Date Mixed: 29-Dec-2020 **Balance:** 1127510105

Justine Albertson - Operations Tech-ARM QC

Date Passed: 05-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

PESTSURRMIX_00011

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

POLAR ADD_00025

R2438

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0194786

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

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CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Reagent

POLAR ADD_00026

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1/25/2024 MS # 11479995

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571993 **Lot No.:** A0194786

Description : 8260 List 3/ Std#1 Polar Additions (2017)

8260 List 3/ Std#1 Polar Additions (2017) 2,500-25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetonitrile	75-05-8	SHBH6233	99%	25,178.4 µg/mL	+/- 411.7151
2	Diisopropyl ether (DIPE)	108-20-3	STBK3450	99%	2,519.2 µg/mL	+/- 41.2058
3	Ethyl-tert-butyl ether (ETBE)	637-92-3	MKCP5997	99%	2,512.8 µg/mL	+/- 41.1011
4	Propionitrile	107-12-0	BCCF4167	99%	25,095.6 µg/mL	+/- 410.3612
5	tert-Amyl alcohol	75-85-4	STBB1898V	99%	25,105.6 µg/mL	+/- 410.5247
6	tert-Amyl methyl ether (TAME)	994-05-8	HMBG7745V	99%	2,514.0 µg/mL	+/- 41.1207

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

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Reagent

SG-1660-PCB_00006

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1221-PCB_00003

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0152666

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 8041300)		+/- 31.8552	µg/mL	Unstressed
	Purity ----%		+/- 41.6063	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1221L4_00034

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32007 **Lot No.:** A0152666

Description : Aroclor® 1221 Standard

Aroclor® 1221 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1221	1,004.7 µg/mL	+/- 5.9674	µg/mL	Gravimetric
	CAS # 11104-28-2 (Lot 8041300)		+/- 31.8552	µg/mL	Unstressed
	Purity ----%		+/- 41.6063	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1232-PCB_00003

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0154078

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot A7080363-01)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1232L4_00036

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32008 **Lot No.:** A0154078

Description : Aroclor® 1232 Standard

Aroclor® 1232 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1232	1,000.0 µg/mL	+/- 5.9397	µg/mL	Gravimetric
	CAS # 11141-16-5 (Lot A7080363-01)		+/- 31.7072	µg/mL	Unstressed
	Purity ----%		+/- 41.4130	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1242-PCB_00002

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0131616

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2024 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242	993.3 µg/mL	+/- 5.9001	µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 31.4958	µg/mL	Unstressed
	Purity ----%		+/- 41.1369	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1242L4_00036

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32009 **Lot No.:** A0156635

Description : Aroclor® 1242 Standard

Aroclor® 1242 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1242	1,000.7 µg/mL	+/- 5.9437	µg/mL	Gravimetric
	CAS # 53469-21-9 (Lot 01141-A)		+/- 31.7284	µg/mL	Unstressed
	Purity ----%		+/- 41.4406	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1248-PCB_00003

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0152759

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248		1,003.0 µg/mL	+/- 5.8862	µg/mL	Gravimetric
	CAS # 12672-29-6	(Lot 7872900)		+/- 31.7890	µg/mL	Unstressed
	Purity ----%			+/- 41.5271	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1248L4_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32010 **Lot No.:** A0152759

Description : Aroclor® 1248 Standard

Aroclor® 1248 Standard 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1248		1,003.0 µg/mL	+/- 5.8862	µg/mL	Gravimetric
	CAS # 12672-29-6	(Lot 7872900)		+/- 31.7890	µg/mL	Unstressed
	Purity ----%			+/- 41.5271	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1254-PCB_00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0152362

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1254	1,002.8 µg/mL	+/- 5.8850	µg/mL	Gravimetric
	CAS # 11097-69-1 (Lot 124-191-B)		+/- 31.7827	µg/mL	Unstressed
	Purity ----%		+/- 41.5188	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1254L4_00035

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32011 **Lot No.:** A0152362

Description : Aroclor® 1254 Standard

Aroclor® 1254 Standard 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)			
1	Aroclor 1254		1,002.8 µg/mL	+/-	5.8850	µg/mL	Gravimetric
	CAS # 11097-69-1	(Lot 124-191-B)		+/-	31.7827	µg/mL	Unstressed
	Purity ----%			+/-	41.5188	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1262-PCB_00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0160426

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	998.0 µg/mL	+/- 7.0767	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 5428400)		+/- 31.8790	µg/mL	Unstressed
	Purity ----%		+/- 41.5105	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1262L4_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32409 **Lot No.:** A0160426

Description : Aroclor® 1262 Standard

Aroclor® 1262 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1262	998.0 µg/mL	+/- 7.0767	µg/mL	Gravimetric
	CAS # 37324-23-5 (Lot 5428400)		+/- 31.8790	µg/mL	Unstressed
	Purity ----%		+/- 41.5105	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1268-PCB_00003

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0161438

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 2743900)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1268L4_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32410 **Lot No.:** A0161438

Description : Aroclor® 1268 Standard

Aroclor® 1268 Standard 1,000 µg/mL, 1mL/ampul, Hexane

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1268	1,002.0 µg/mL	+/- 5.9516	µg/mL	Gravimetric
	CAS # 11100-14-4 (Lot 2743900)		+/- 31.7706	µg/mL	Unstressed
	Purity ----%		+/- 41.4958	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SG1660L1_00027

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

C E R T I F I E D V A L U E S

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%			+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%			+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L2_00036

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016		1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2	(Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%			+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260		1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5	(Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%			+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L3_00043

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435	µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735	µg/mL	Unstressed
	Purity ----%		+/- 41.5109	µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537	µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290	µg/mL	Unstressed
	Purity ----%		+/- 41.5834	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L4_00035

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9	µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)			+/- 6.3347	µg/mL	Unstressed
	Purity 98%				+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1	µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)			+/- 6.3404	µg/mL	Unstressed
	Purity 99%				+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660L5_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039 **Lot No.:** A0167738

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000 µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 25°C nominal

Handling: This product contains PCBs. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Aroclor 1016	1,002.8 µg/mL	+/- 5.8435 µg/mL	Gravimetric
	CAS # 12674-11-2 (Lot 04)		+/- 31.7735 µg/mL	Unstressed
	Purity ----%		+/- 41.5109 µg/mL	Stressed
2	Aroclor 1260	1,004.5 µg/mL	+/- 5.8537 µg/mL	Gravimetric
	CAS # 11096-82-5 (Lot 07)		+/- 31.8290 µg/mL	Unstressed
	Purity ----%		+/- 41.5834 µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)		Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene		199.9	µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8	(Lot 0052481)			+/- 6.3347	µg/mL	Unstressed
	Purity 98%				+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)		200.1	µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3	(Lot ER071509-01)			+/- 6.3404	µg/mL	Unstressed
	Purity 99%				+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SG1660SecPCB_00005

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039.SEC **Lot No.:** A0143130

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	1,010.0 µg/mL	+/- 5.9991	µg/mL	Gravimetric
	CAS # 12674-11-2.SEC (Lot 129)		+/- 32.0243	µg/mL	Unstressed
	Purity ----%		+/- 41.8271	µg/mL	Stressed
2	Aroclor 1260	1,005.0 µg/mL	+/- 5.9694	µg/mL	Gravimetric
	CAS # 11096-82-5.SEC (Lot 021-020-1A)		+/- 31.8658	µg/mL	Unstressed
	Purity ----%		+/- 41.6201	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SGPCBICV_00032

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32039.SEC **Lot No.:** A0143130

Description : Aroclor® 1016/1260 Mix

Aroclor® 1016/1260 Mix 1,000µg/mL, Hexane, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2025 **Storage:** 25°C nominal

Handling: This product contains PCBs.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Aroclor 1016	1,010.0 µg/mL	+/- 5.9991	µg/mL	Gravimetric
	CAS # 12674-11-2.SEC (Lot 129)		+/- 32.0243	µg/mL	Unstressed
	Purity ----%		+/- 41.8271	µg/mL	Stressed
2	Aroclor 1260	1,005.0 µg/mL	+/- 5.9694	µg/mL	Gravimetric
	CAS # 11096-82-5.SEC (Lot 021-020-1A)		+/- 31.8658	µg/mL	Unstressed
	Purity ----%		+/- 41.6201	µg/mL	Stressed

Solvent: Hexane
CAS # 110-54-3
Purity 99%

Reagent

SGPCBISTD_00026

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0182850

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Bromo-2-nitrobenzene	1,008.0 µg/mL	+/- 5.9872 µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.5308 µg/mL	Unstressed
	Purity 99%		+/- 57.8530 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

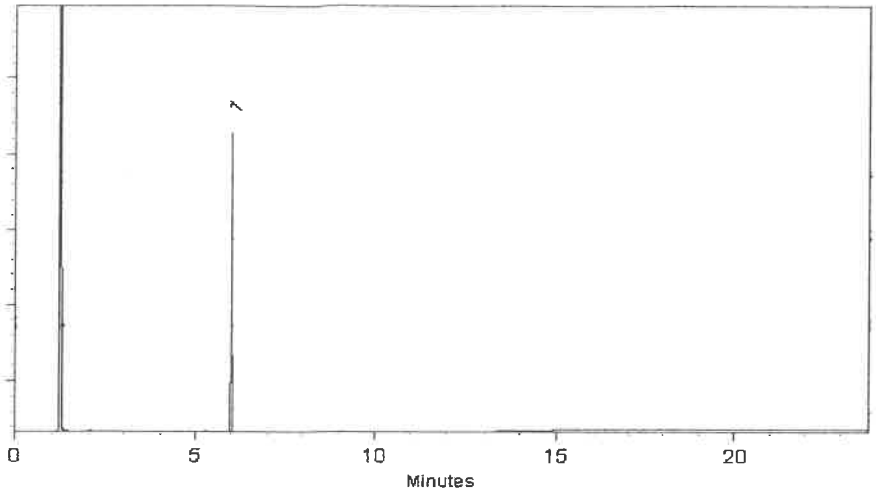
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 14-Mar-2022 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 17-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPCBISTD_00029

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32279 **Lot No.:** A0182850

Description : 1-Bromo-2-nitrobenzene Standard

1-Bromo-2-nitrobenzene Standard 1000 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1-Bromo-2-nitrobenzene	1,008.0 µg/mL	+/- 5.9872 µg/mL	Gravimetric
	CAS # 577-19-5 (Lot 643872/1)		+/- 56.5308 µg/mL	Unstressed
	Purity 99%		+/- 57.8530 µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

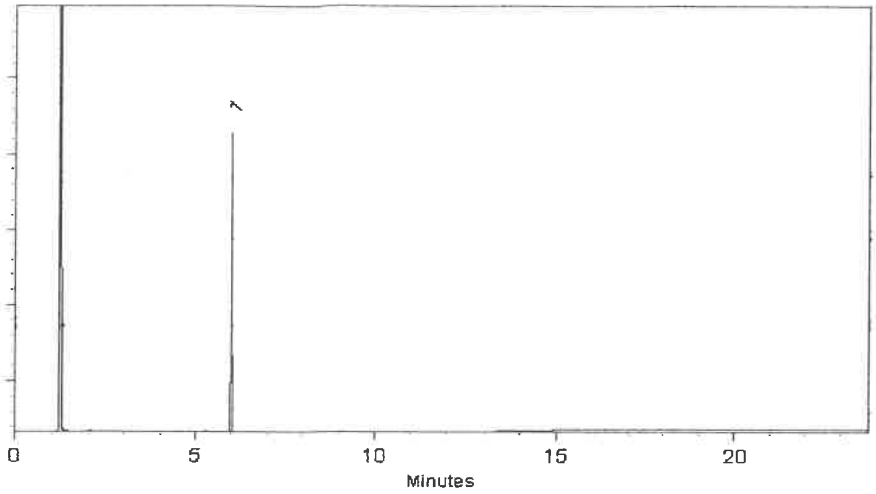
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Josh McCloskey - Operations Technician I

Date Mixed: 14-Mar-2022 **Balance:** 1128353505

Marlina Cowan - Operations Tech I

Date Passed: 17-Mar-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

Reagent

SGPIBLK_00035

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 32000 **Lot No.:** A0150871

Description : Pesticide Surrogate Mix

Pesticide Surrogate Mix 200 µg/mL, Acetone, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2025 **Storage:** 10°C or colder

Handling: Contains PCBs - sonicate prior to use.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	2,4,5,6-Tetrachloro-m-xylene	199.9 µg/mL	+/- 1.1650	µg/mL	Gravimetric
	CAS # 877-09-8 (Lot 0052481)		+/- 6.3347	µg/mL	Unstressed
	Purity 98%		+/- 8.2761	µg/mL	Stressed
2	Decachlorobiphenyl (BZ# 209)	200.1 µg/mL	+/- 1.1661	µg/mL	Gravimetric
	CAS # 2051-24-3 (Lot ER071509-01)		+/- 6.3404	µg/mL	Unstressed
	Purity 99%		+/- 8.2836	µg/mL	Stressed

Solvent: Acetone
CAS # 67-64-1
Purity 99%

Reagent

SM-BenzAcid_00019

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

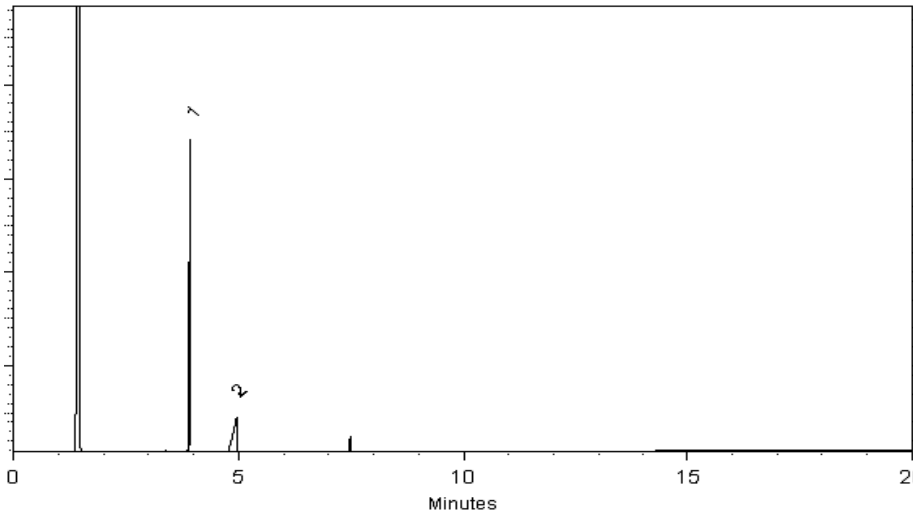
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

SM_8270_surr_00013

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
2-fluorophenol	5003	± 25 µg/mL	000367-12-4	RM18822
phenol-d5	5003	± 25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	± 25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	± 25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	± 25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	± 25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

SM_8270cusmix_00004

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)
Product Number: CUS-00003500
Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715188
Lot Issue Date: 17-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2003 ±	10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2001 ±	10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2004 ±	10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2001 ±	10 µg/mL	000100-47-0	RM03650
carbamazepin	2009 ±	10 µg/mL	000298-46-4	RM05185
coumarin	2001 ±	10 µg/mL	000091-64-5	RM01892
N-methylaniline	2001 ±	10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2001 ±	10 µg/mL	000082-68-8	RM20368
diphenyl ether	2000 ±	10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2003 ±	10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Reagent

SM_BPA_00019

Agilent

Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Bisphenol A Std - 1000ug/mL (5mL)

Product Number: CUS-00003804

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006715838

Lot Issue Date: 18-Nov-2022

Expiration Date: 31-Dec-2024

	CERTIFIED VALUES				
Component Name	Concentration	Expanded Uncertainty		CAS#	Analyte Lot
bisphenol A	1002	±	5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

Reagent

SM_ISTD_00196

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name 8270 Internal Standard

Product Number CUS-00004805

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006627459

Lot Issue Date: 02-Aug-2021

Expiration Date: 31-Aug-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2000 ±	10 µg/mL	015067-26-2	RM18766
chrysene-d12	2005 ±	10 µg/mL	001719-03-5	RM15976
1,4-dichlorobenzene-d4	1998 ±	10 µg/mL	003855-82-1	RM14980
naphthalene-d8	2001 ±	10 µg/mL	001146-65-2	RM12698
perylene-d12	2000 ±	10 µg/mL	001520-96-3	RM12612
phenanthrene-d10	2001 ±	10 µg/mL	001517-22-2	RM17023

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Reagent

SM_std #11BNA_00021

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

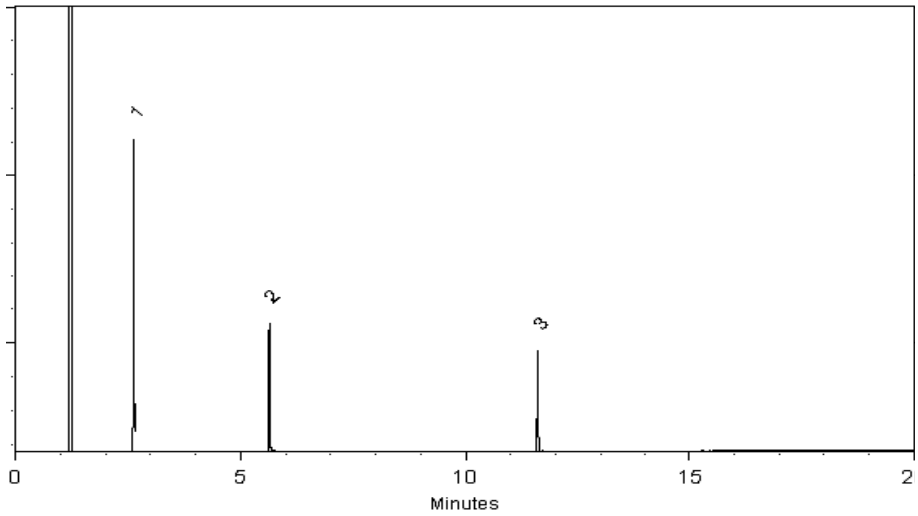
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Reagent

SM_std #9BNA_00023

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0188589

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 29, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	2,002.5 µg/mL	+/- 11.6427 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 23.9380 µg/mL	Unstressed
	Purity 99%		+/- 38.0970 µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,002.9 µg/mL	+/- 11.6449 µg/mL	Gravimetric
	CAS # 91-94-1 (Lot 220223RSR)		+/- 23.9425 µg/mL	Unstressed
	Purity 99%		+/- 38.1041 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

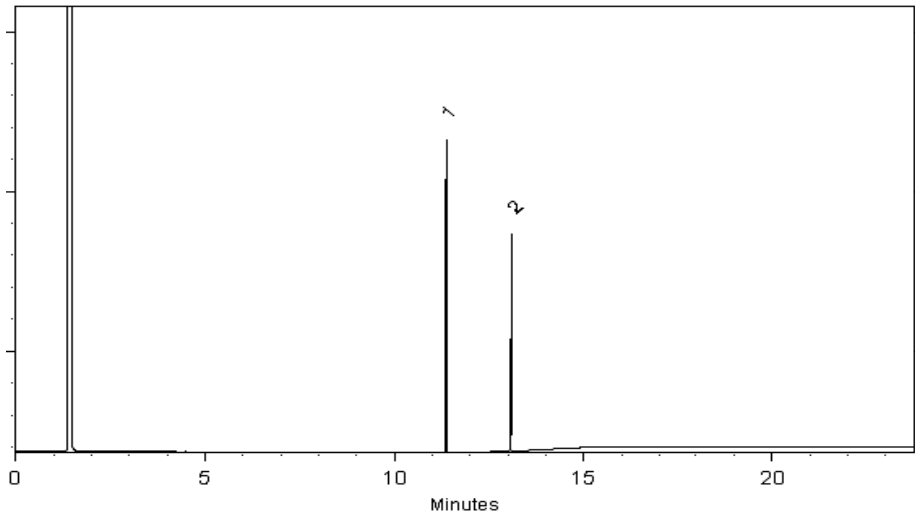
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 16-Aug-2022 **Balance:** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Aug-2022

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SM_STD#1mega_00025

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0190414

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : April 30, 2024 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

C E R T I F I E D V A L U E S

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane	1,003.3 µg/mL	+/- 5.8469 µg/mL	Gravimetric
	CAS # 123-91-1 (Lot SHBN3770)		+/- 12.0005 µg/mL	Unstressed
	Purity 99%		+/- 19.0922 µg/mL	Stressed
2	N-Nitrosodimethylamine	1,006.7 µg/mL	+/- 5.8664 µg/mL	Gravimetric
	CAS # 62-75-9 (Lot 220624JLM)		+/- 12.0403 µg/mL	Unstressed
	Purity 99%		+/- 19.1557 µg/mL	Stressed
3	Pyridine	2,011.7 µg/mL	+/- 11.6960 µg/mL	Gravimetric
	CAS # 110-86-1 (Lot SHBN7324)		+/- 24.0476 µg/mL	Unstressed
	Purity 99%		+/- 38.2714 µg/mL	Stressed
4	Phenol	1,006.3 µg/mL	+/- 5.8644 µg/mL	Gravimetric
	CAS # 108-95-2 (Lot MKCK1120)		+/- 12.0364 µg/mL	Unstressed
	Purity 99%		+/- 19.1493 µg/mL	Stressed
5	Aniline	1,004.7 µg/mL	+/- 5.8547 µg/mL	Gravimetric
	CAS # 62-53-3 (Lot X22F726)		+/- 12.0164 µg/mL	Unstressed
	Purity 99%		+/- 19.1176 µg/mL	Stressed
6	Bis(2-chloroethyl)ether	1,004.0 µg/mL	+/- 5.8508 µg/mL	Gravimetric
	CAS # 111-44-4 (Lot SHBL6942)		+/- 12.0084 µg/mL	Unstressed
	Purity 99%		+/- 19.1049 µg/mL	Stressed
7	n-Decane (C10)	1,007.2 µg/mL	+/- 5.8693 µg/mL	Gravimetric
	CAS # 124-18-5 (Lot SHBN8619)		+/- 12.0463 µg/mL	Unstressed
	Purity 99%		+/- 19.1652 µg/mL	Stressed

8	2-Chlorophenol		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-57-8	(Lot STBH7290)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
9	1,3-Dichlorobenzene		1,003.0	µg/mL	+/-	5.8450	µg/mL	Gravimetric
	CAS # 541-73-1	(Lot BCCD5315)			+/-	11.9965	µg/mL	Unstressed
	Purity 99%				+/-	19.0859	µg/mL	Stressed
10	1,4-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 106-46-7	(Lot MKBS4401V)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
11	Benzyl alcohol		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 100-51-6	(Lot SHBK5943)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
12	1,2-Dichlorobenzene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 95-50-1	(Lot SHBN3835)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
13	2-Methylphenol (o-cresol)		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 95-48-7	(Lot SHBN7598)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed
14	2,2'-oxybis(1-chloropropane)		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 108-60-1	(Lot 12549200)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
15	Acetophenone		1,005.0	µg/mL	+/-	5.8567	µg/mL	Gravimetric
	CAS # 98-86-2	(Lot STBH8205)			+/-	12.0204	µg/mL	Unstressed
	Purity 99%				+/-	19.1240	µg/mL	Stressed
16	3-Methylphenol (m-cresol)		503.7	µg/mL	+/-	2.9351	µg/mL	Gravimetric
	CAS # 108-39-4	(Lot STBJ0710)			+/-	6.0242	µg/mL	Unstressed
	Purity 99%				+/-	9.5842	µg/mL	Stressed
17	4-Methylphenol (p-cresol)		503.0	µg/mL	+/-	2.9312	µg/mL	Gravimetric
	CAS # 106-44-5	(Lot SHBN1151)			+/-	6.0162	µg/mL	Unstressed
	Purity 99%				+/-	9.5715	µg/mL	Stressed
18	N-Nitroso-di-n-propylamine		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 621-64-7	(Lot 2D5VJ)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
19	Hexachloroethane		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 67-72-1	(Lot QTORH)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
20	Nitrobenzene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 98-95-3	(Lot 10224044)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
21	Isophorone		1,004.3	µg/mL	+/-	5.8528	µg/mL	Gravimetric
	CAS # 78-59-1	(Lot MKCC9506)			+/-	12.0124	µg/mL	Unstressed
	Purity 99%				+/-	19.1113	µg/mL	Stressed
22	2-Nitrophenol		1,003.2	µg/mL	+/-	5.8460	µg/mL	Gravimetric
	CAS # 88-75-5	(Lot BCCB2407)			+/-	11.9985	µg/mL	Unstressed
	Purity 99%				+/-	19.0891	µg/mL	Stressed
23	2,4-Dimethylphenol		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 105-67-9	(Lot XW5GK)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed

24	Bis(2-chloroethoxy)methane		1,007.5	µg/mL	+/-	5.8712	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 13670200)			+/-	12.0503	µg/mL	Unstressed
	Purity 99%				+/-	19.1715	µg/mL	Stressed
25	2,4-Dichlorophenol		1,002.2	µg/mL	+/-	5.8401	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/-	11.9865	µg/mL	Unstressed
	Purity 99%				+/-	19.0700	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed
27	Naphthalene		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
28	2,6-Dichlorophenol		1,007.7	µg/mL	+/-	5.8722	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCP7682)			+/-	12.0523	µg/mL	Unstressed
	Purity 99%				+/-	19.1747	µg/mL	Stressed
29	4-Chloroaniline		1,007.7	µg/mL	+/-	5.8722	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot H24K)			+/-	12.0523	µg/mL	Unstressed
	Purity 99%				+/-	19.1747	µg/mL	Stressed
30	Hexachlorobutadiene		1,004.0	µg/mL	+/-	5.8508	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot X05J)			+/-	12.0084	µg/mL	Unstressed
	Purity 99%				+/-	19.1049	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,002.3	µg/mL	+/-	5.8411	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot BCCD4461)			+/-	11.9885	µg/mL	Unstressed
	Purity 99%				+/-	19.0732	µg/mL	Stressed
32	2-Methylnaphthalene		1,009.1	µg/mL	+/-	5.8807	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBK0259)			+/-	12.0697	µg/mL	Unstressed
	Purity 96%				+/-	19.2024	µg/mL	Stressed
33	1-Methylnaphthalene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/-	12.0104	µg/mL	Unstressed
	Purity 99%				+/-	19.1081	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,007.3	µg/mL	+/-	5.8703	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot 13278000)			+/-	12.0483	µg/mL	Unstressed
	Purity 99%				+/-	19.1684	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,003.3	µg/mL	+/-	5.8469	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012019)			+/-	12.0005	µg/mL	Unstressed
	Purity 99%				+/-	19.0922	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,006.8	µg/mL	+/-	5.8671	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/-	12.0418	µg/mL	Unstressed
	Purity 98%				+/-	19.1580	µg/mL	Stressed
38	2-Chloronaphthalene		1,007.0	µg/mL	+/-	5.8683	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot RPN7O)			+/-	12.0443	µg/mL	Unstressed
	Purity 99%				+/-	19.1620	µg/mL	Stressed
39	Biphenyl		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCL6515)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed

40	2-Nitroaniline		1,003.7	µg/mL	+/-	5.8489	µg/mL	Gravimetric
	CAS # 88-74-4	(Lot MKCJ8895)			+/-	12.0045	µg/mL	Unstressed
	Purity 99%				+/-	19.0986	µg/mL	Stressed
41	Acenaphthylene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 208-96-8	(Lot Q24W)			+/-	12.0104	µg/mL	Unstressed
	Purity 96%				+/-	19.1080	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 99-65-0	(Lot 1-DXX-24-1)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
43	Dimethylphthalate		1,008.0	µg/mL	+/-	5.8741	µg/mL	Gravimetric
	CAS # 131-11-3	(Lot 10117699)			+/-	12.0563	µg/mL	Unstressed
	Purity 99%				+/-	19.1811	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,005.3	µg/mL	+/-	5.8586	µg/mL	Gravimetric
	CAS # 606-20-2	(Lot BCCG1833)			+/-	12.0244	µg/mL	Unstressed
	Purity 99%				+/-	19.1303	µg/mL	Stressed
45	3-Nitroaniline		1,008.7	µg/mL	+/-	5.8780	µg/mL	Gravimetric
	CAS # 99-09-2	(Lot MKCH5457)			+/-	12.0643	µg/mL	Unstressed
	Purity 99%				+/-	19.1937	µg/mL	Stressed
46	Acenaphthene		1,000.0	µg/mL	+/-	5.8275	µg/mL	Gravimetric
	CAS # 83-32-9	(Lot MKCQ4733)			+/-	11.9606	µg/mL	Unstressed
	Purity 99%				+/-	19.0288	µg/mL	Stressed
47	2,4-Dinitrophenol		2,016.3	µg/mL	+/-	11.7231	µg/mL	Gravimetric
	CAS # 51-28-5	(Lot STBK5145-DR3)			+/-	24.1034	µg/mL	Unstressed
	Purity 99%				+/-	38.3602	µg/mL	Stressed
48	Dibenzofuran		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 132-64-9	(Lot MKCN1772)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
49	4-Nitrophenol		2,007.5	µg/mL	+/-	11.6718	µg/mL	Gravimetric
	CAS # 100-02-7	(Lot MKCN1089)			+/-	23.9978	µg/mL	Unstressed
	Purity 99%				+/-	38.1921	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,003.8	µg/mL	+/-	5.8499	µg/mL	Gravimetric
	CAS # 121-14-2	(Lot MKAA0690V)			+/-	12.0065	µg/mL	Unstressed
	Purity 99%				+/-	19.1018	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,002.7	µg/mL	+/-	5.8431	µg/mL	Gravimetric
	CAS # 58-90-2	(Lot PR-30126)			+/-	11.9925	µg/mL	Unstressed
	Purity 99%				+/-	19.0796	µg/mL	Stressed
52	Fluorene		1,006.8	µg/mL	+/-	5.8673	µg/mL	Gravimetric
	CAS # 86-73-7	(Lot 094650L18G)			+/-	12.0423	µg/mL	Unstressed
	Purity 99%				+/-	19.1588	µg/mL	Stressed
53	n-Hexadecane (C16)		1,004.8	µg/mL	+/-	5.8556	µg/mL	Gravimetric
	CAS # 544-76-3	(Lot SHBM4146)			+/-	12.0183	µg/mL	Unstressed
	Purity 98%				+/-	19.1207	µg/mL	Stressed
54	Diethylphthalate		1,008.2	µg/mL	+/-	5.8751	µg/mL	Gravimetric
	CAS # 84-66-2	(Lot BCCD3396)			+/-	12.0583	µg/mL	Unstressed
	Purity 99%				+/-	19.1842	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,005.2	µg/mL	+/-	5.8576	µg/mL	Gravimetric
	CAS # 7005-72-3	(Lot MKCQ0984)			+/-	12.0224	µg/mL	Unstressed
	Purity 99%				+/-	19.1271	µg/mL	Stressed

56	4-Nitroaniline		1,005.5	µg/mL	+/-	5.8596	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP220906)			+/-	12.0264	µg/mL	Unstressed
	Purity 99%				+/-	19.1335	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,012.0	µg/mL	+/-	11.6979	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP220915)			+/-	24.0516	µg/mL	Unstressed
	Purity 99%				+/-	38.2777	µg/mL	Stressed
58	Diphenylamine		853.5	µg/mL	+/-	4.9738	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKCH1042)			+/-	10.2084	µg/mL	Unstressed
	Purity 99%				+/-	16.2411	µg/mL	Stressed
59	Azobenzene		1,001.8	µg/mL	+/-	5.8382	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	11.9825	µg/mL	Unstressed
	Purity 99%				+/-	19.0637	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,007.2	µg/mL	+/-	5.8693	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBH6361)			+/-	12.0463	µg/mL	Unstressed
	Purity 99%				+/-	19.1652	µg/mL	Stressed
61	Hexachlorobenzene		1,006.0	µg/mL	+/-	5.8625	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot 13562400)			+/-	12.0324	µg/mL	Unstressed
	Purity 99%				+/-	19.1430	µg/mL	Stressed
62	Pentachlorophenol		2,016.7	µg/mL	+/-	11.7251	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 211229RSR)			+/-	24.1074	µg/mL	Unstressed
	Purity 99%				+/-	38.3665	µg/mL	Stressed
63	n-Octadecane (C18)		1,007.4	µg/mL	+/-	5.8709	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot UE5NG)			+/-	12.0496	µg/mL	Unstressed
	Purity 98%				+/-	19.1704	µg/mL	Stressed
64	Phenanthrene		1,002.0	µg/mL	+/-	5.8392	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCQ2033)			+/-	11.9845	µg/mL	Unstressed
	Purity 99%				+/-	19.0669	µg/mL	Stressed
65	Anthracene		1,004.2	µg/mL	+/-	5.8518	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCP3968)			+/-	12.0104	µg/mL	Unstressed
	Purity 99%				+/-	19.1081	µg/mL	Stressed
66	Carbazole		1,002.8	µg/mL	+/-	5.8440	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 13058900)			+/-	11.9945	µg/mL	Unstressed
	Purity 99%				+/-	19.0827	µg/mL	Stressed
67	Di-n-butylphthalate		1,001.2	µg/mL	+/-	5.8343	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCN4337)			+/-	11.9746	µg/mL	Unstressed
	Purity 99%				+/-	19.0510	µg/mL	Stressed
68	Fluoranthene		1,005.8	µg/mL	+/-	5.8615	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCQ4728)			+/-	12.0304	µg/mL	Unstressed
	Purity 99%				+/-	19.1398	µg/mL	Stressed
69	Pyrene		1,006.7	µg/mL	+/-	5.8664	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCG7845)			+/-	12.0403	µg/mL	Unstressed
	Purity 99%				+/-	19.1557	µg/mL	Stressed
70	Benzyl butyl phthalate		1,008.5	µg/mL	+/-	5.8771	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCN9008)			+/-	12.0623	µg/mL	Unstressed
	Purity 99%				+/-	19.1906	µg/mL	Stressed
71	Benz(a)anthracene		1,001.9	µg/mL	+/-	5.8387	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP220209)			+/-	11.9836	µg/mL	Unstressed
	Purity 96%				+/-	19.0654	µg/mL	Stressed

72	Chrysene		1,007.0	µg/mL	+/-	5.8683	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot 468677L08C)			+/-	12.0443	µg/mL	Unstressed
	Purity 99%				+/-	19.1620	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCQ3468)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
74	Di-n-octyl phthalate		1,006.5	µg/mL	+/-	5.8654	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 13651900)			+/-	12.0383	µg/mL	Unstressed
	Purity 99%				+/-	19.1525	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,001.3	µg/mL	+/-	5.8353	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012022B)			+/-	11.9765	µg/mL	Unstressed
	Purity 99%				+/-	19.0542	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,005.7	µg/mL	+/-	5.8605	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012022K)			+/-	12.0284	µg/mL	Unstressed
	Purity 99%				+/-	19.1367	µg/mL	Stressed
77	Benzo(a)pyrene		1,004.7	µg/mL	+/-	5.8547	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot Z8BKF)			+/-	12.0164	µg/mL	Unstressed
	Purity 99%				+/-	19.1176	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,002.5	µg/mL	+/-	5.8421	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 8-URV-39-3)			+/-	11.9905	µg/mL	Unstressed
	Purity 99%				+/-	19.0764	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,007.3	µg/mL	+/-	5.8703	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	12.0483	µg/mL	Unstressed
	Purity 99%				+/-	19.1684	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,003.4	µg/mL	+/-	5.8471	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot PMEVE)			+/-	12.0008	µg/mL	Unstressed
	Purity 98%				+/-	19.0927	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

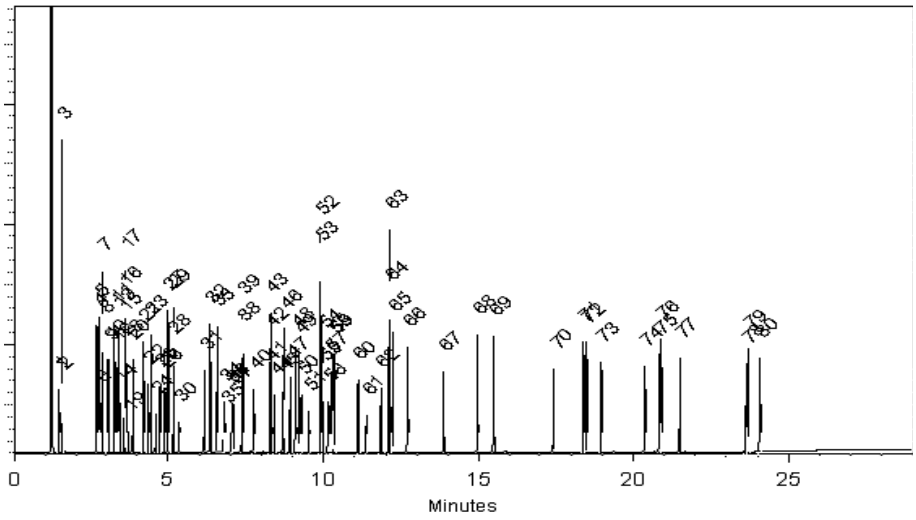
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 10-Oct-2022 **Balance:** B442140311

Marlina Cowan -- Operations Tech II ARM QC

Date Passed: 17-Oct-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

SM_TCDD_00015

ACCREDITED
Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: SVO-TANJ-12 **Lot No.** AA190709011

Description: Custom

Matrix: Methylene Chloride

Manufactured Date: 7-9-2019
Expiration Date: 7-8-2022

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
1,2,3,4-Tetrachlorodibenzo-p-dioxin	30746-58-8	50 µg/mL	100%	50.5 µg/mL	± 1.3 µg/mL

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: 7-9-2019

Certifying Officer: Shannon Mace
Shannon Macieira, Operations Manager

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Reagent

Vinyl Acetate_00097

R2448

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

3/27/2024 11:47:49 AM

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569724 **Lot No.:** A0200199

Description : 8260 List 1 / Std #6 Vinyl Acetate (2015)

8260 List 1 / Std #6 Vinyl Acetate (2015) 5,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD220630	99%	5,036.0 µg/mL	+/- 174.0672

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Reagent

VMC21SU_00011

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

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CERTIFIED WEIGHT REPORT

Part Number: 19167
Lot Number: 030822
Description: CLP - Instrument Performance Check Solution
p-Bromofluorobenzene
Expiration Date: 030827
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2500
NIST Test ID#: 6UTB

Solvent(s): Methanol **Lot#** EB373-US

R2384

MS 3/31/23 #10669421

5E-05 Balance Uncertainty

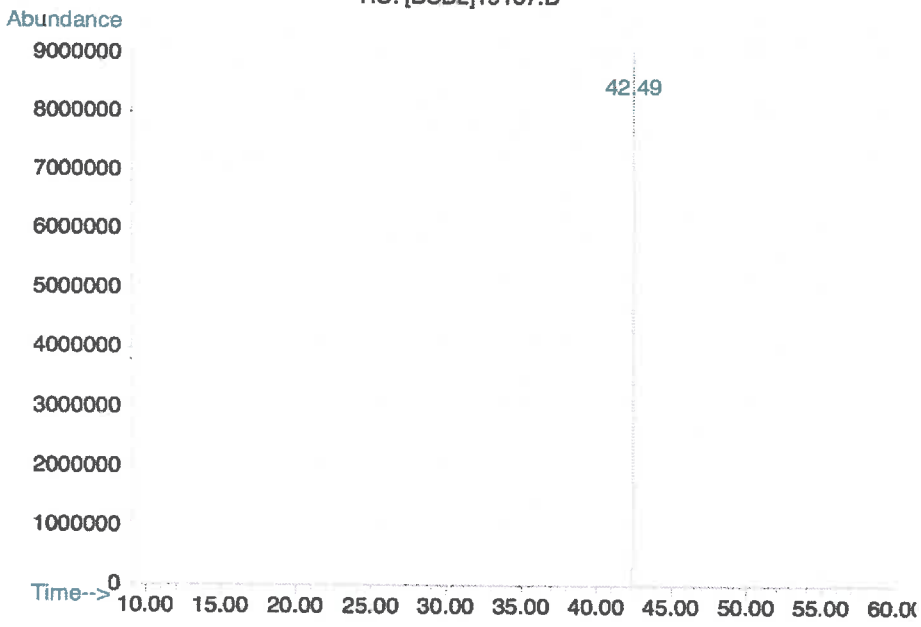
Weight(s) shown below were combined and diluted to (mL): 100.0 0.012 Flask Uncertainty

	030822
Formulated By: Benson Chan	DATE
	030822
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. p-Bromofluorobenzene	48	01127COV	2500	99	0.2	0.25254	0.25286	2503.2	10.2	460-00-4	N/A	orl-rat 2700mg/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness).Temp. 1=35°C (10min.), Temp. 2=200°C (8.75 min.), Rate=4°C/min., Injector Temp.=200°C, Detector Temp.=220°C. Solvent vent time = 6 min. Analysis performed by Candice Warren.

TIC: [BSB2]19167.D



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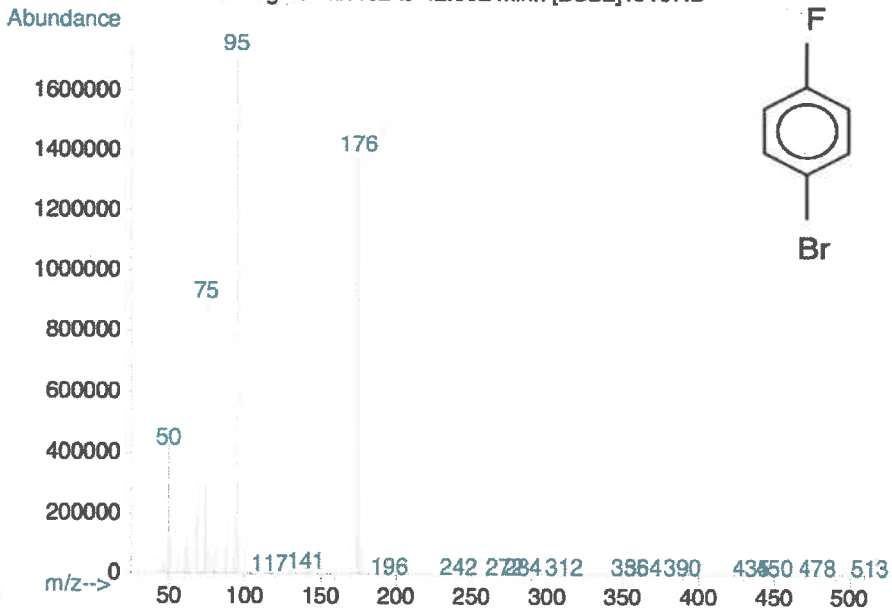

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Reagent

WTcnSP1_00039

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

3/27/2024
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Product:	1000 mg/L Free Cyanide
Catalog Number:	048-125mL, 997-500mL
Lot No.	181023m
Starting Material:	Potassium Cyanide (KCN)
Matrix:	18 megohm deionized water and 0.5% (v/v) NaOH
Density:	1.0082 ± 0.0003 g/mL 21.7 °C and 773 mm Hg
Verification Method:	Spectrophotometry
Certificate Issue Date:	October 12, 2023
Expiration Date:	October 6, 2024
Revision Number:	Original

rec'd 12/20/23

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	NIST Traceability	
	mg/L	%	SRM Number[3]	Recovery %
Free Cyanide	1000	2.34	-	-

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16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ 800.372.0122 ▪ 303.431.8454 ▪ fax 303.421.0159 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

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1. The **Certified Value** is the actual gravimetric/volumetric "made-to" concentration confirmed by ERA analytical verification. The certified value is monitored and the purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

4. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

5. **Storage:** 20-25°C

6. **Intended Use:** This standard is intended to be used to calibrate your analytical process and/or as a quality control check of the entire process for the analytes/matrix included in the standard.

7. **Minimum Sample Size:** ERA suggests that when subsampling this product prior to analysis, you use a minimum sample size of at least 1 mL. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown.

8. **Repeat Sampling:** Repeated Sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.

9. **Safety:** ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website: www.eraqc.com

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to era_info@waters.com.

This Certificate of Analysis is authorized by Waters ERA, Quality and Technical Departments.

ACCREDITED
CERT #1539.02

ACCREDITED
CERT #1539.03

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ 800.372.0122 ▪ 303.431.8454 ▪ fax 303.421.0159 ▪ www.eraqc.com

Reagent

WTCNstock_00020

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

3/27/2024
11:47:49 AM

Product:	1000 mg/L Complex Cyanide
Catalog Number:	049-125mL, 998-500mL
Lot No.	510922m
Starting Material:	Potassium Ferrocyanide 3-Hydrate ($K_4Fe(CN)_6$-$3H_2O$)
Matrix:	18 megohm deionized water and 0.5% (v/v) NaOH
Density:	1.0086 ± 0.0003 g/mL · 20.4 °C and 768 mm Hg
Verification Method:	Spectrophotometry
Certificate Issue Date:	November 9, 2022
Expiration Date:	September 26, 2024
Revision Number:	Original

rec'd 2/3/23

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	NIST Traceability	
	mg/L	%	SRM Number[3]	Recovery %
Complex Cyanide	1000	1.72	-	-

Page 374 of 2284

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Certified Reference Material

▪ Certificate of Analysis ▪

1. The **Certified Value** is the actual gravimetric/volumetric "made-to" concentration confirmed by ERA analytical verification. The certified value is monitored and the purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

4. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

5. **Storage:** 20-25°C

6. **Intended Use:** This standard is intended to be used to calibrate your analytical process and/or as a quality control check of the entire process for the analytes/matrix included in the standard.

7. **Minimum Sample Size:** ERA suggests that when subsampling this product prior to analysis, you use a minimum sample size of at least 1 mL. Using a smaller sample size may invalidate the assigned value and/or uncertainty shown.

8. **Repeat Sampling:** Repeated Sampling of this product is permitted, provided minimum sample sizes and storage instructions are adhered to.

9. **Safety:** ERA products may be hazardous and are intended for use by professional laboratory personnel trained in the competent handling of such materials. Responsibility for the safe use of these products rests entirely with the buyer and/or user. Safety Data Sheets (SDS) for all ERA products are available through our website: www.eraqc.com

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer
Brian Miller

Brian Miller

Quality Officer
Matthew Seebeck

ISO 17034:2016
ACCREDITED
Reference Material Producer
CERT #1539.03

ISO/IEC 17025:2017
ACCREDITED
Chemical Testing Laboratory
CERT #1539.02

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ 800.372.0122 ▪ 303.431.8454 ▪ fax 303.421.0159 ▪ www.eraqc.com

Reagent

WTCNstock2_00033

RICCA CHEMICAL COMPANY®

448 West Fork Dr
Arlington, TX 76012
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Cyanide Standard, 1000 ppm CN^-

Lot Number: 1311C03 **Product Number:** 2543

Manufacture Date: NOV 02, 2023
Expiration Date: APR 2024

This standard is prepared using accurate volumetric techniques from material that has been assayed against Silver Nitrate solution certified traceable to NIST Standard Reference Material 999. The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is the combined uncertainty based on the stability of the assayed Potassium Cyanide, and the uncertainty in the mass and volume measurements.
Use 0.16% (w/v) (0.04 N) Sodium Hydroxide or 0.225 % (w/v) (0.04 N) Potassium Hydroxide to make dilutions of this standard. Restandardize weekly if extreme accuracy is required.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Result
Appearance	Colorless liquid	Passed
Cyanide (CN^-)	995-1005 ppm	1000 ppm

Specification	Reference
Stock Standard Cyanide Solution	APHA (4500-CN- F)
Stock Cyanide Solution	APHA (4500-CN- E)
Stock Cyanide Solution	APHA (4500-CN- K)
Stock Cyanide Solution	APHA (4500-CN- H)
Cyanide Reference Solution (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Solution (1,000 mg/L CN-)	EPA (SW-846) (9213)
Stock Cyanide Solution	EPA (335.3)
Stock Cyanide Solution	EPA (335.2)
Cyanide Solution Stock	ASTM (D 4282)
Simple Cyanide Solution, Stock (1.0 g/L CN)	ASTM (D 4374)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
2543-4	120 mL amber poly	6 months

Recommended Storage: 2°C - 8°C (36°F - 46°F)

Heidi J Green (11/02/2023)

Operations Manager

This document is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

This test report shall not be reproduced, except in full, without the written approval of Ricca Chemical Company.

8260D

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 ID: 0.18(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-18R	460-300430-1	98	101	100	109
MW-15	460-300430-2	97	100	101	108
MW-13	460-300430-3	98	99	101	109
	MB 460-965476/8	97	102	102	109
	LCS 460-965476/3	98	101	101	109
	LCSD 460-965476/4	98	99	100	108

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-132
DCA = 1,2-Dichloroethane-d4 (Surr)	70-128
TOL = Toluene-d8 (Surr)	80-120
BFB = 4-Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77721.D

Lab ID: LCS 460-965476/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.7	108	72-128	
1,1,2,2-Tetrachloroethane	20.0	18.9	95	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.2	106	51-142	
1,1,2-Trichloroethane	20.0	21.1	106	74-125	
1,1-Dichloroethane	20.0	22.2	111	73-130	
1,1-Dichloroethene	20.0	21.6	108	68-133	
1,2,3-Trichlorobenzene	20.0	23.3	117	52-120	
1,2,4-Trichlorobenzene	20.0	23.5	117	67-132	
1,2-Dibromo-3-Chloropropane	20.0	20.6	103	58-132	
1,2-Dichlorobenzene	20.0	22.0	110	80-120	
1,2-Dichloroethane	20.0	21.3	107	66-129	
1,2-Dichloropropane	20.0	21.6	108	68-128	
1,3-Dichlorobenzene	20.0	21.9	109	80-120	
1,4-Dichlorobenzene	20.0	22.1	110	80-120	
1,4-Dioxane	400	551	138	10-120	*
2-Butanone (MEK)	100	115	115	61-142	
2-Hexanone	100	112	112	61-134	
4-Methyl-2-pentanone (MIBK)	100	102	102	69-139	
Acetone	100	112	112	49-149	
Benzene	20.0	22.2	111	71-126	
Bromoform	20.0	21.5	107	58-136	
Bromomethane	20.0	17.9	90	10-120	
Carbon disulfide	20.0	22.0	110	68-138	
Carbon tetrachloride	20.0	22.1	110	65-142	
Chlorobenzene	20.0	21.7	108	80-120	
Chlorobromomethane	20.0	22.5	113	76-134	
Chlorodibromomethane	20.0	20.9	104	69-130	
Chloroethane	20.0	18.0	90	48-150	
Chloroform	20.0	21.5	108	78-125	
Chloromethane	20.0	17.5	87	43-140	
cis-1,2-Dichloroethene	20.0	21.3	106	78-121	
cis-1,3-Dichloropropene	20.0	21.4	107	74-125	
Cyclohexane	20.0	23.3	116	60-142	
Dichlorobromomethane	20.0	20.4	102	76-121	
Dichlorodifluoromethane	20.0	17.7	88	27-120	
Ethylbenzene	20.0	22.2	111	78-120	
Ethylene Dibromide	20.0	21.2	106	79-126	
Isopropylbenzene	20.0	22.4	112	79-125	
Methyl acetate	40.0	40.3	101	43-120	
Methyl tert-butyl ether	20.0	20.9	105	72-131	
Methylcyclohexane	20.0	22.2	111	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77721.D

Lab ID: LCS 460-965476/3 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Methylene Chloride	20.0	22.6	113	74-127	
m-Xylene & p-Xylene	20.0	22.1	110	78-120	
o-Xylene	20.0	22.1	110	78-120	
Styrene	20.0	22.2	111	82-127	
Tetrachloroethene	20.0	22.6	113	70-127	
Toluene	20.0	20.6	103	78-120	
trans-1,2-Dichloroethene	20.0	22.1	110	74-126	
trans-1,3-Dichloropropene	20.0	21.4	107	66-127	
Trichloroethene	20.0	23.4	117	51-121	
Trichlorofluoromethane	20.0	20.0	100	50-120	
Vinyl chloride	20.0	19.2	96	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77722.D

Lab ID: LCSD 460-965476/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.6	108	0	30	72-128	
1,1,2,2-Tetrachloroethane	20.0	21.1	106	11	30	63-139	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.3	96	10	30	51-142	
1,1,2-Trichloroethane	20.0	21.0	105	0	30	74-125	
1,1-Dichloroethane	20.0	22.5	112	1	30	73-130	
1,1-Dichloroethene	20.0	21.6	108	0	30	68-133	
1,2,3-Trichlorobenzene	20.0	23.8	119	2	30	52-120	
1,2,4-Trichlorobenzene	20.0	24.4	122	4	30	67-132	
1,2-Dibromo-3-Chloropropane	20.0	20.8	104	1	30	58-132	
1,2-Dichlorobenzene	20.0	22.6	113	3	30	80-120	
1,2-Dichloroethane	20.0	21.5	107	1	30	66-129	
1,2-Dichloropropane	20.0	21.3	107	2	30	68-128	
1,3-Dichlorobenzene	20.0	22.5	113	3	30	80-120	
1,4-Dichlorobenzene	20.0	22.3	112	1	30	80-120	
1,4-Dioxane	400	613	153	11	30	10-120	*
2-Butanone (MEK)	100	114	114	1	30	61-142	
2-Hexanone	100	108	108	4	30	61-134	
4-Methyl-2-pentanone (MIBK)	100	103	103	0	30	69-139	
Acetone	100	109	109	3	30	49-149	
Benzene	20.0	22.2	111	0	30	71-126	
Bromoform	20.0	20.8	104	3	30	58-136	
Bromomethane	20.0	18.1	91	1	30	10-120	
Carbon disulfide	20.0	21.8	109	1	30	68-138	
Carbon tetrachloride	20.0	22.0	110	0	30	65-142	
Chlorobenzene	20.0	21.9	110	1	30	80-120	
Chlorobromomethane	20.0	22.0	110	2	30	76-134	
Chlorodibromomethane	20.0	20.6	103	1	30	69-130	
Chloroethane	20.0	18.1	90	1	30	48-150	
Chloroform	20.0	21.0	105	3	30	78-125	
Chloromethane	20.0	17.5	87	0	30	43-140	
cis-1,2-Dichloroethene	20.0	21.5	108	1	30	78-121	
cis-1,3-Dichloropropene	20.0	21.4	107	0	30	74-125	
Cyclohexane	20.0	21.6	108	7	30	60-142	
Dichlorobromomethane	20.0	20.5	103	1	30	76-121	
Dichlorodifluoromethane	20.0	15.9	79	11	30	27-120	
Ethylbenzene	20.0	22.1	110	0	30	78-120	
Ethylene Dibromide	20.0	20.8	104	2	30	79-126	
Isopropylbenzene	20.0	22.6	113	1	30	79-125	
Methyl acetate	40.0	40.3	101	0	30	43-120	
Methyl tert-butyl ether	20.0	21.4	107	2	30	72-131	
Methylcyclohexane	20.0	20.2	101	9	30	49-149	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: TT77722.D

Lab ID: LCSD 460-965476/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Methylene Chloride	20.0	22.7	113	0	30	74-127	
m-Xylene & p-Xylene	20.0	22.0	110	0	30	78-120	
o-Xylene	20.0	22.1	111	0	30	78-120	
Styrene	20.0	22.4	112	1	30	82-127	
Tetrachloroethene	20.0	22.0	110	3	30	70-127	
Toluene	20.0	20.3	101	2	30	78-120	
trans-1,2-Dichloroethene	20.0	21.6	108	2	30	74-126	
trans-1,3-Dichloropropene	20.0	21.1	106	1	30	66-127	
Trichloroethene	20.0	21.6	108	8	30	51-121	
Trichlorofluoromethane	20.0	18.9	94	6	30	50-120	
Vinyl chloride	20.0	19.5	98	2	30	55-144	

Column to be used to flag recovery and RPD values

FORM III 8260D

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: TT77726.D Lab Sample ID: MB 460-965476/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS17 Date Analyzed: 03/22/2024 19:28

GC Column: DB-624 ID: 0.18(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-965476/3	TT77721.D	03/22/2024 17:50
	LCSD 460-965476/4	TT77722.D	03/22/2024 18:09
MW-18R	460-300430-1	TT77745.D	03/23/2024 01:38
MW-13	460-300430-3	TT77746.D	03/23/2024 01:58
MW-15	460-300430-2	TT77747.D	03/23/2024 02:17

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: TT76643.D BFB Injection Date: 02/22/2024

Instrument ID: CVOAMS17 BFB Injection Time: 06:43

Analysis Batch No.: 960584

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	50 - 200% of m/z 174	117.7
96	5 - 9% of m/z 95	6.8
173	Less than 2% of m/z 174	0.8
174	50 - 200% of m/z 95	85.0
175	5 - 9% of m/z 174	7.2
176	95 -105% of m/z 174	98.1
177	5 - 10% of m/z 176	7.1

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD8 460-960584/3	TT76645.D	02/22/2024	7:23
	STD05 460-960584/4	TT76646.D	02/22/2024	7:42
	STD1 460-960584/5	TT76647.D	02/22/2024	8:03
	STD5 460-960584/6	TT76648.D	02/22/2024	8:23
	STD20 460-960584/7	TT76649.D	02/22/2024	8:42
	STD50 460-960584/8	TT76650.D	02/22/2024	9:02
	STD200 460-960584/9	TT76651.D	02/22/2024	9:21
	STD500 460-960584/10	TT76652.D	02/22/2024	9:41
	ICV 460-960584/14	TT76656.D	02/22/2024	10:59

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: STD20 460-960584/7 Date Analyzed: 02/22/2024 08:42

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT76649.D Heated Purge: (Y/N) N

Calibration ID: 96104

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		27115	2.96	178610	3.99	440754	5.07
UPPER LIMIT		54230	3.46	357220	4.49	881508	5.57
LOWER LIMIT		13558	2.46	89305	3.49	220377	4.57
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-960584/14		29440	2.97	204915	3.99	471263	5.07

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: STD20 460-960584/7 Date Analyzed: 02/22/2024 08:42

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT76649.D Heated Purge: (Y/N) N

Calibration ID: 96104

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		20567	5.74	333574	8.48	187435	11.08
UPPER LIMIT		41134	6.24	667148	8.98	374870	11.58
LOWER LIMIT		10284	5.24	166787	7.98	93718	10.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-960584/14		22382	5.75	355889	8.48	200661	11.08

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965476/1 Date Analyzed: 03/22/2024 17:11

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT77719.D Heated Purge: (Y/N) N

Calibration ID: 96104

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		40124	2.95	235912	3.99	559916	5.06
UPPER LIMIT		80248	3.45	471824	4.49	1119832	5.56
LOWER LIMIT		20062	2.45	117956	3.49	279958	4.56
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965476/3		39531	2.96	245670	3.99	579430	5.07
LCSD 460-965476/4		41438	2.96	246104	3.99	580633	5.06
MB 460-965476/8		38850	2.96	244021	3.99	572693	5.07
460-300430-1	MW-18R	45940	2.97	266551	3.99	589708	5.07
460-300430-3	MW-13	40357	2.95	241715	3.99	577860	5.06
460-300430-2	MW-15	36404	2.96	225188	3.99	552816	5.06

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965476/1 Date Analyzed: 03/22/2024 17:11

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm)

Lab File ID (Standard): TT77719.D Heated Purge: (Y/N) N

Calibration ID: 96104

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		26662	5.74	415910	8.47	249928	11.08
UPPER LIMIT		53324	6.24	831820	8.97	499856	11.58
LOWER LIMIT		13331	5.24	207955	7.97	124964	10.58
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965476/3		27852	5.75	438335	8.47	254833	11.08
LCSD 460-965476/4		27812	5.74	432905	8.47	249385	11.08
MB 460-965476/8		26279	5.75	423843	8.48	246718	11.08
460-300430-1	MW-18R	29436	5.75	439810	8.47	262283	11.08
460-300430-3	MW-13	25014	5.74	426955	8.48	252243	11.08
460-300430-2	MW-15	21876	5.74	407142	8.47	237554	11.08

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: TT77745.D

Analysis Method: 8260D | Date Collected: 03/20/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 01:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	0.40	J	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.23	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: TT77745.D

Analysis Method: 8260D | Date Collected: 03/20/2024 08:00

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 01:38

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	0.35	J	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D
Lims ID: 460-300430-A-1
Client ID: MW-18R
Sample Type: Client
Inject. Date: 23-Mar-2024 01:38:30 ALS Bottle#: 42 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300430-A-1
Misc. Info.: 460-0173705-027
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 14:41:31 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1604

First Level Reviewer: XE5L Date: 24-Mar-2024 14:41:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.969	2.951	0.018	0	45940	1000.0	
33 Methyl tert-butyl ether	73	3.128	3.110	0.018	84	2924	0.3498	a
* 42 2-Butanone-d5	46	3.994	3.987	0.007	0	266551	250.0	
44 cis-1,2-Dichloroethene	96	4.024	4.024	0.000	26	762	0.2316	a
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.451	0.006	99	149326	48.9	
60 Benzene	78	4.780	4.780	0.000	91	4365	0.4039	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	152643	50.7	
* 66 Fluorobenzene	96	5.066	5.060	0.006	99	589708	50.0	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	29436	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	558655	50.1	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	439810	50.0	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	199081	54.4	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	262283	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 24-Mar-2024 14:41:44 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D

Injection Date: 23-Mar-2024 01:38:30 Instrument ID: CVOAMS17

Lims ID: 460-300430-A-1 Lab Sample ID: 460-300430-1

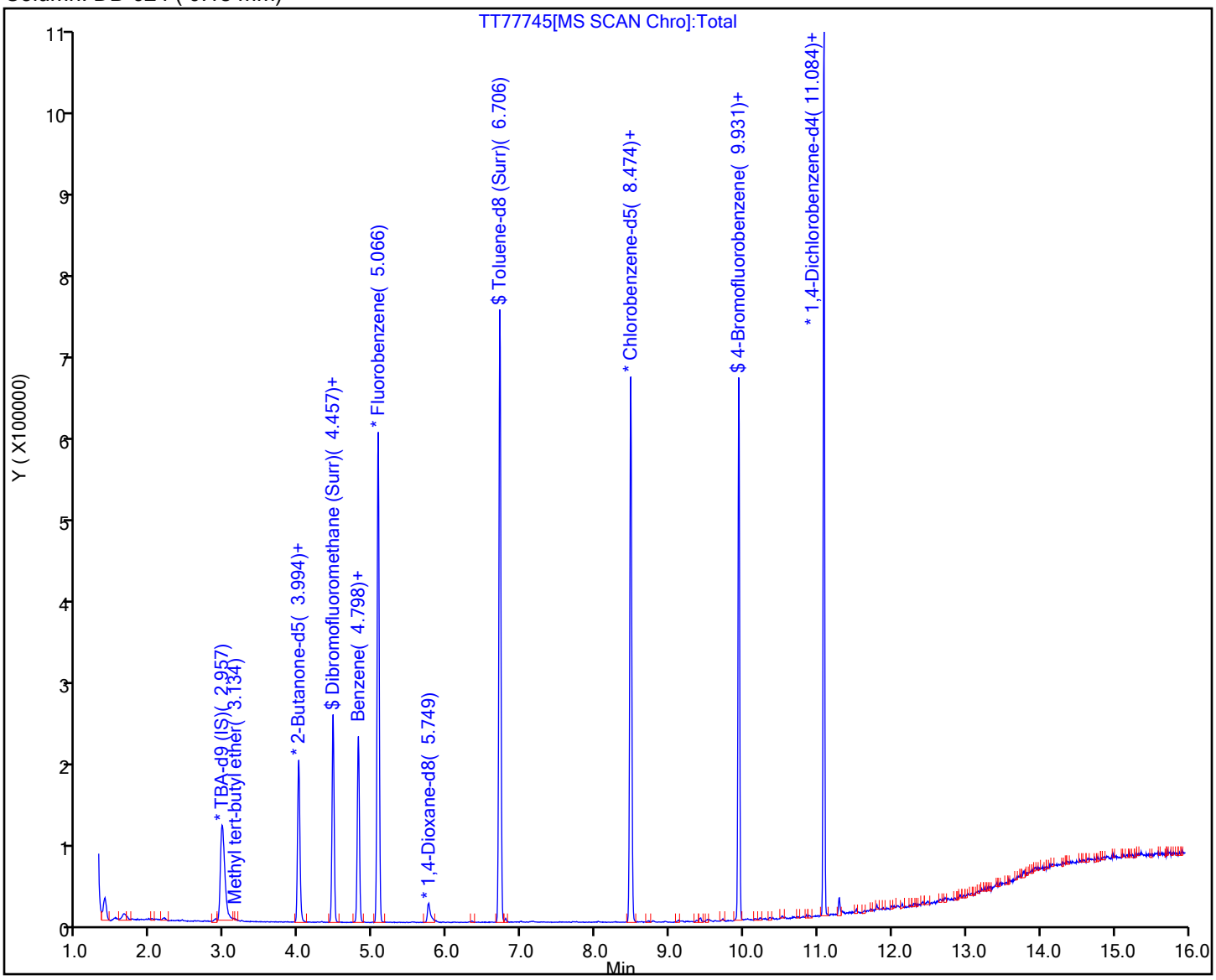
Client ID: MW-18R

Operator ID: ALS Bottle#: 42 Worklist Smp#: 27

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D
Lims ID: 460-300430-A-1
Client ID: MW-18R
Sample Type: Client
Inject. Date: 23-Mar-2024 01:38:30 ALS Bottle#: 42 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300430-A-1
Misc. Info.: 460-0173705-027
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 14:41:31 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1604

First Level Reviewer: XE5L Date: 24-Mar-2024 14:41:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.9	97.83
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.7	101.47
$ 83 Toluene-d8 (Surr)	50.0	50.1	100.27
$ 105 4-Bromofluorobenzene	50.0	54.4	108.83

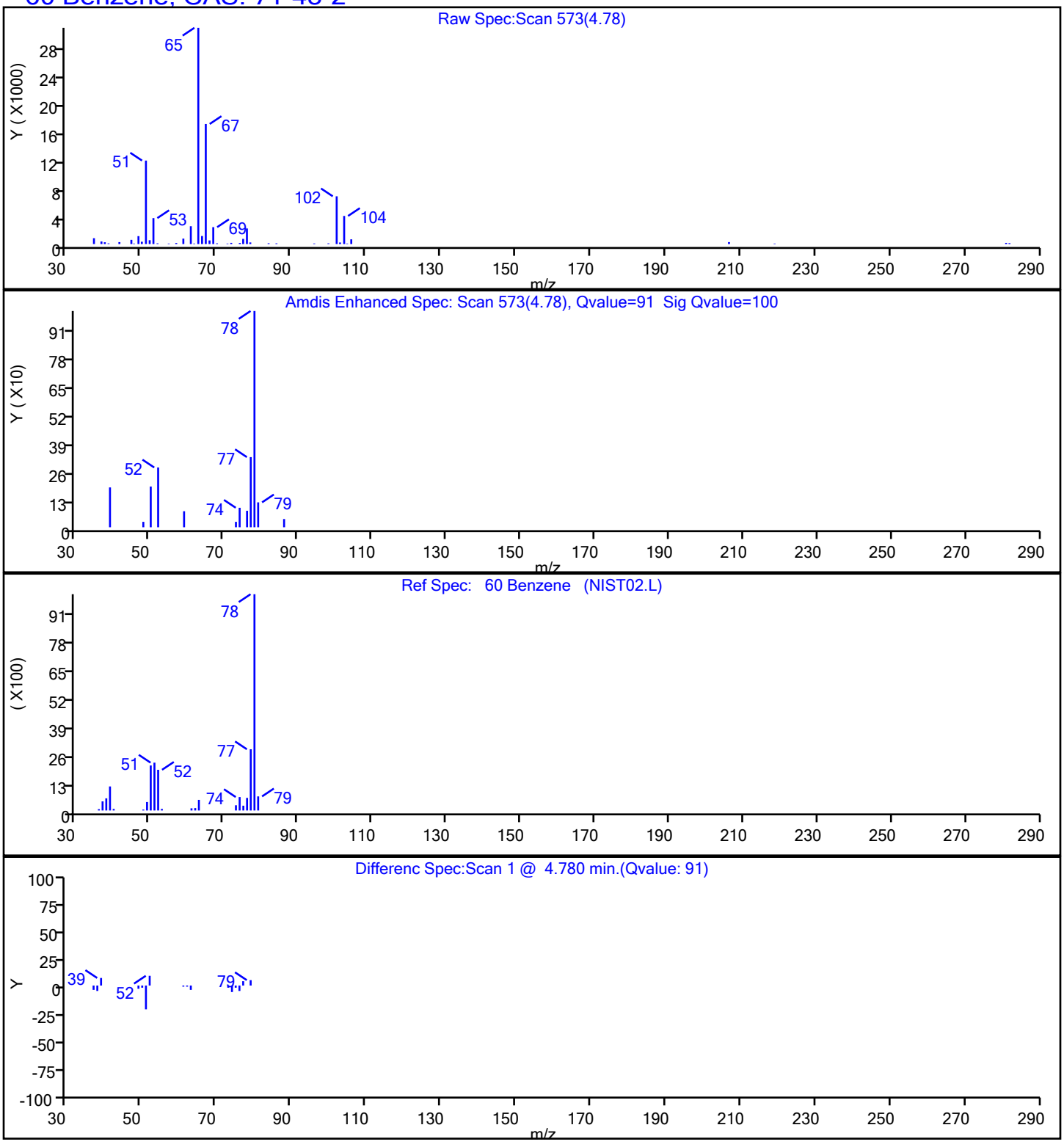
Report Date: 24-Mar-2024 14:41:44 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D

Injection Date:	23-Mar-2024 01:38:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-1	Lab Sample ID:	460-300430-1		
Client ID:	MW-18R				
Operator ID:		ALS Bottle#:	42	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

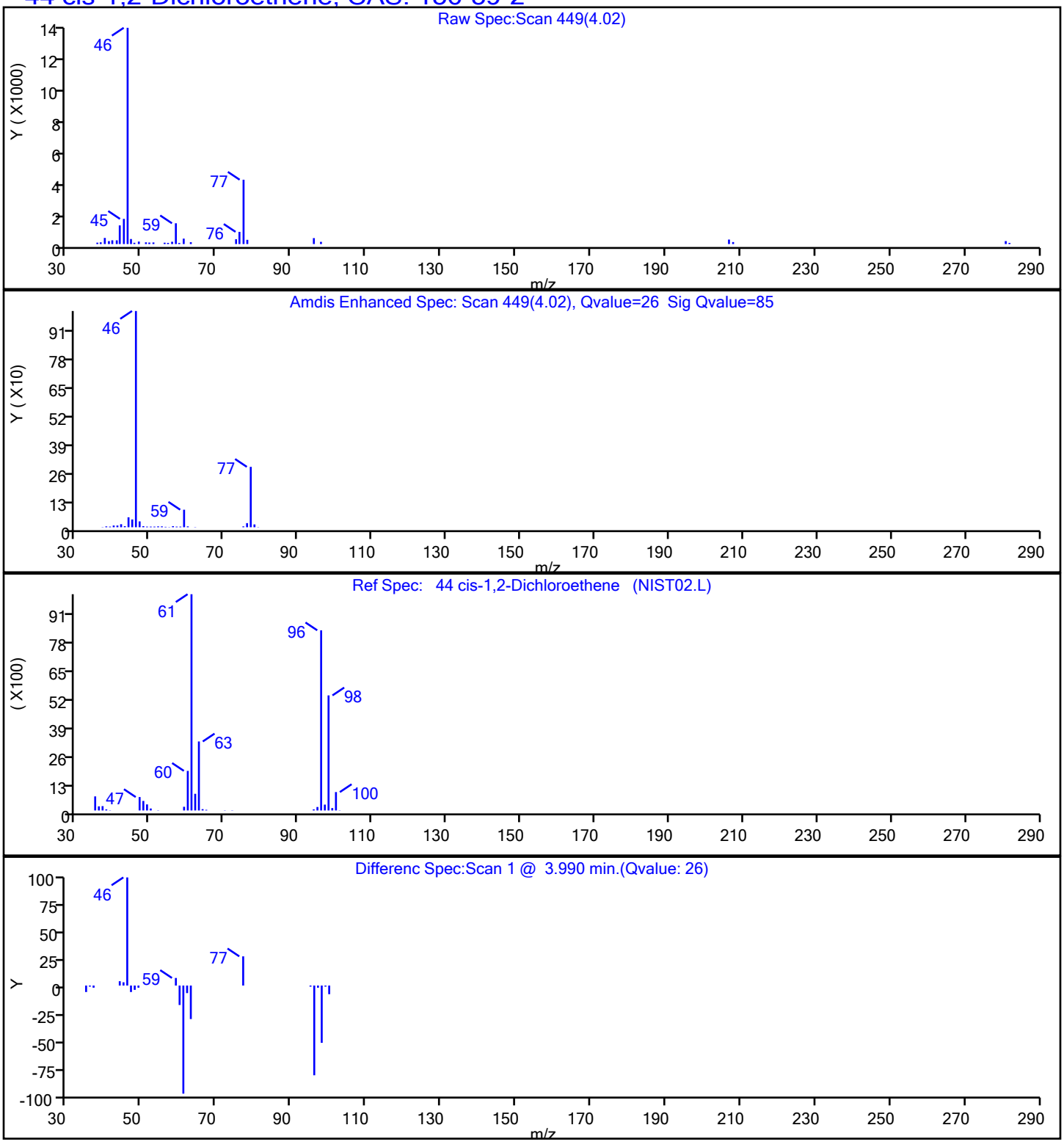
60 Benzene, CAS: 71-43-2



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D
Injection Date: 23-Mar-2024 01:38:30 Instrument ID: CVOAMS17
Lims ID: 460-300430-A-1 Lab Sample ID: 460-300430-1
Client ID: MW-18R
Operator ID: ALS Bottle#: 42 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

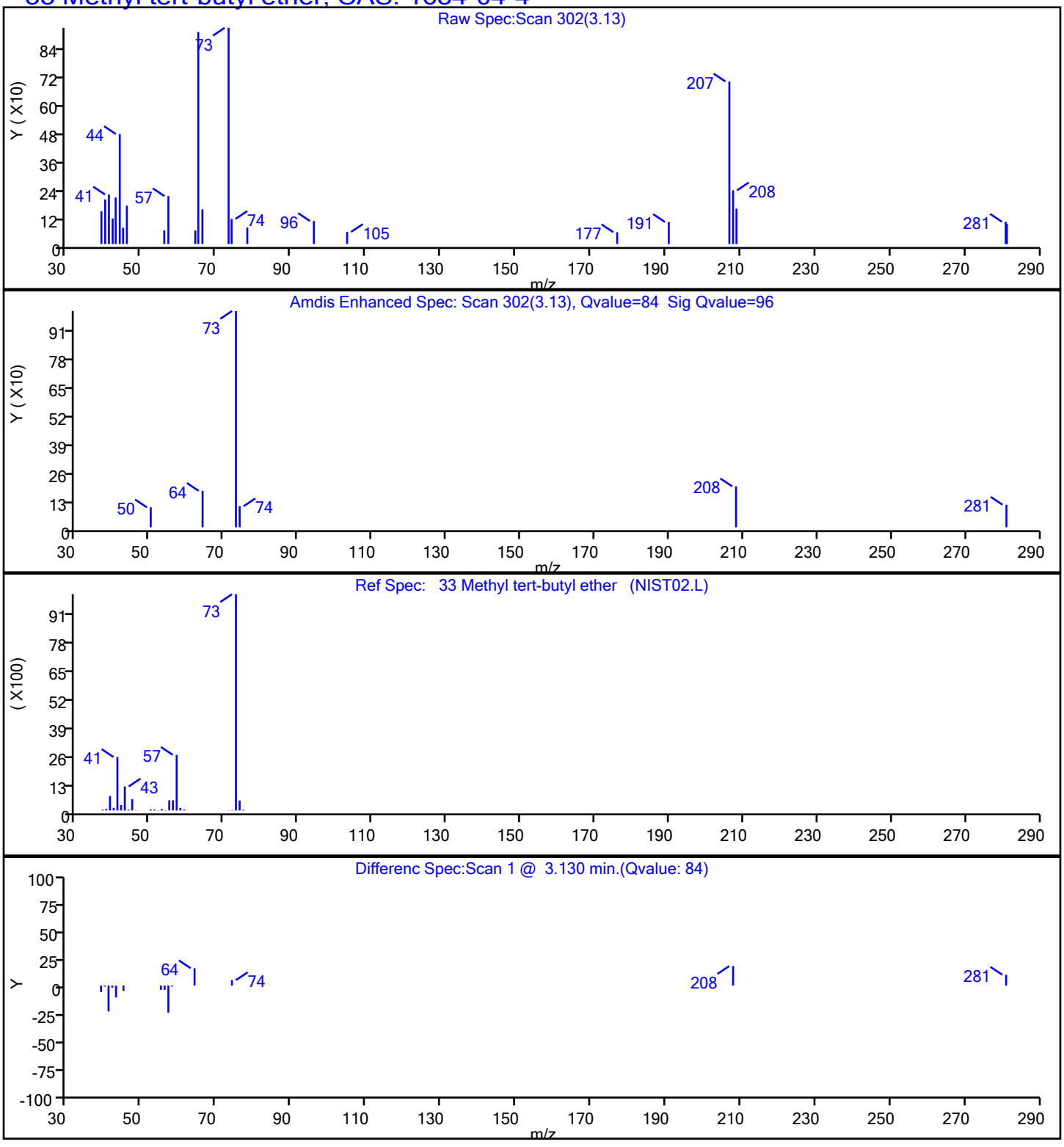
44 cis-1,2-Dichloroethene, CAS: 156-59-2



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D
Injection Date: 23-Mar-2024 01:38:30 Instrument ID: CVOAMS17
Lims ID: 460-300430-A-1 Lab Sample ID: 460-300430-1
Client ID: MW-18R
Operator ID: ALS Bottle#: 42 Worklist Smp#: 27
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

33 Methyl tert-butyl ether, CAS: 1634-04-4



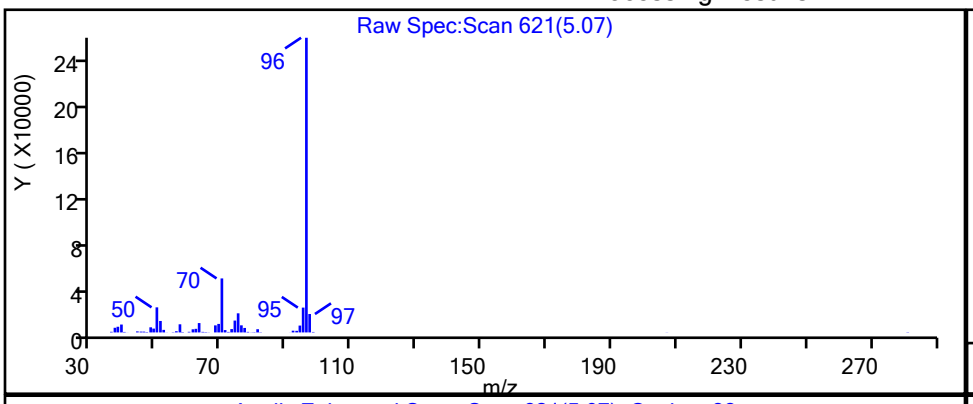
User Disabled Compound Report

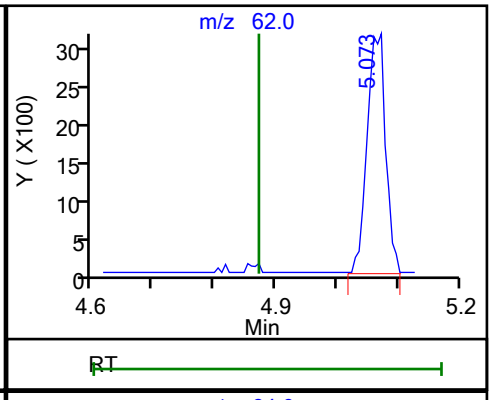
Eurofins Edison

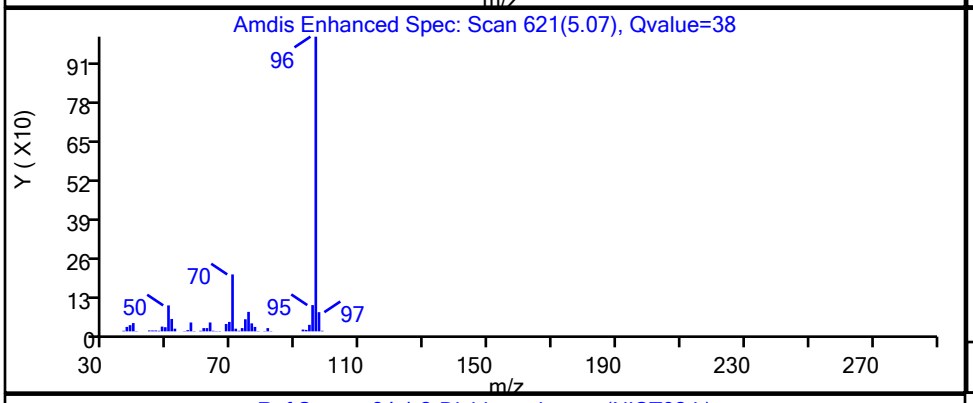
Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D				
Injection Date:	23-Mar-2024 01:38:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-1	Lab Sample ID:	460-300430-1		
Client ID:	MW-18R				
Operator ID:		ALS Bottle#:	42	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

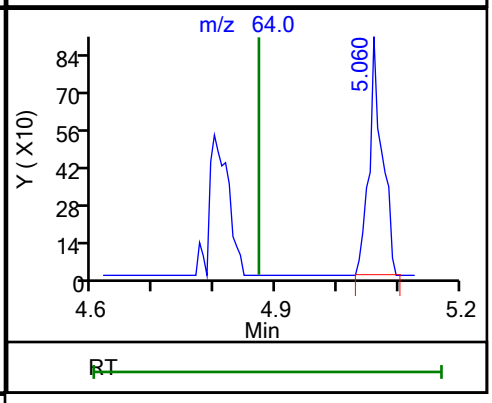
64 1,2-Dichloroethane, CAS: 107-06-2

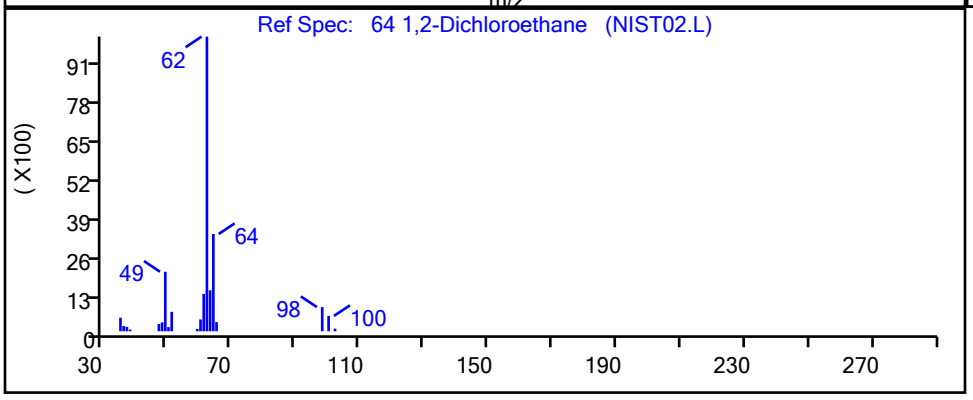
Processing Results











RT	Mass	Response	Amount
5.07	62.00	6635	2.075395
5.06	64.00	1344	

Reviewer: FK2C, 24-Mar-2024 06:51:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins Edison

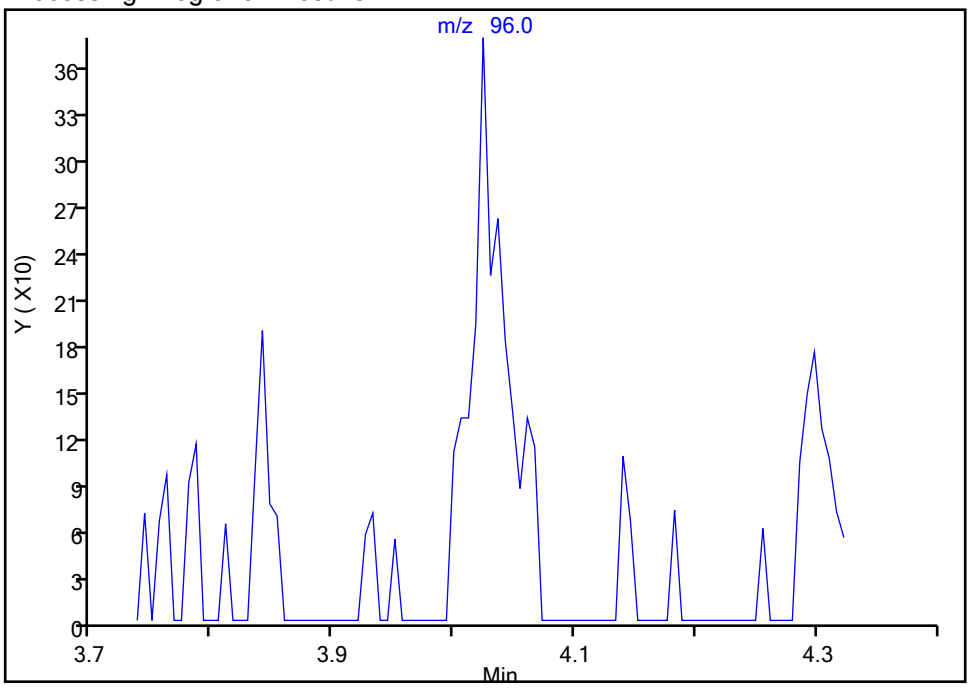
Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D				
Injection Date:	23-Mar-2024 01:38:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-1	Lab Sample ID:	460-300430-1		
Client ID:	MW-18R				
Operator ID:		ALS Bottle#:	42	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

44 cis-1,2-Dichloroethene, CAS: 156-59-2

Signal: 1

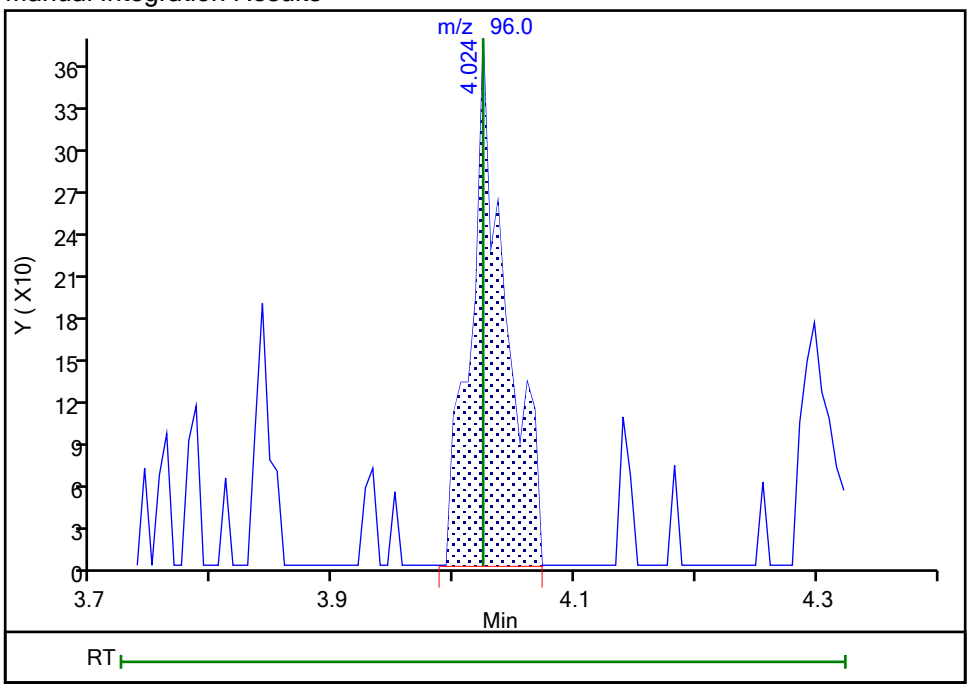
Not Detected
Expected RT: 4.02

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 762
Amount: 0.231589
Amount Units: ug/l



Reviewer: XE5L, 24-Mar-2024 14:41:27 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

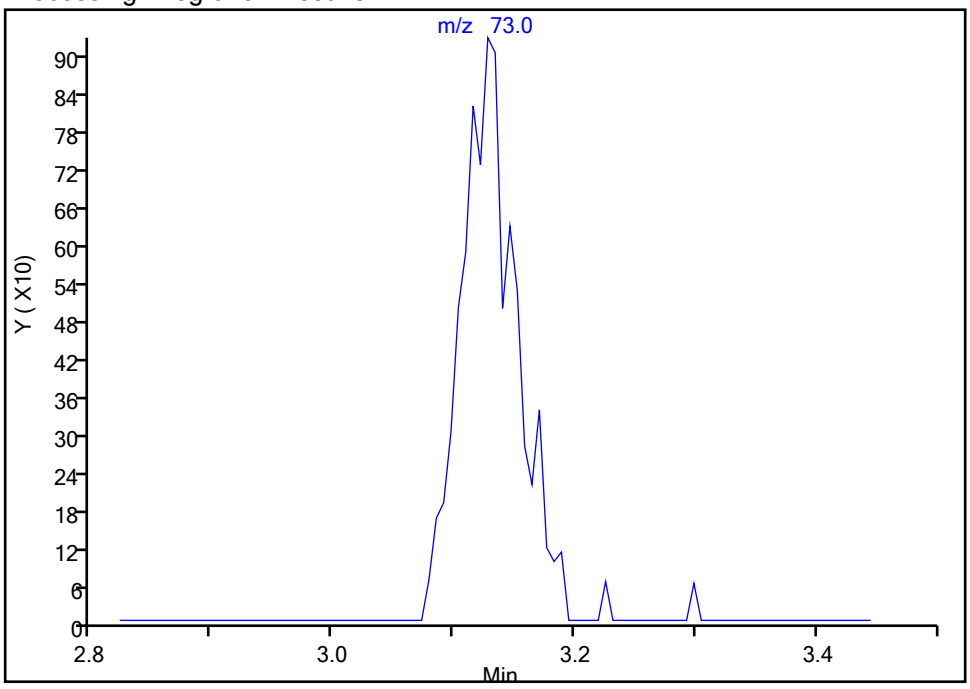
Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77745.D				
Injection Date:	23-Mar-2024 01:38:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-1	Lab Sample ID:	460-300430-1		
Client ID:	MW-18R				
Operator ID:		ALS Bottle#:	42	Worklist Smp#:	27
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

33 Methyl tert-butyl ether, CAS: 1634-04-4

Signal: 1

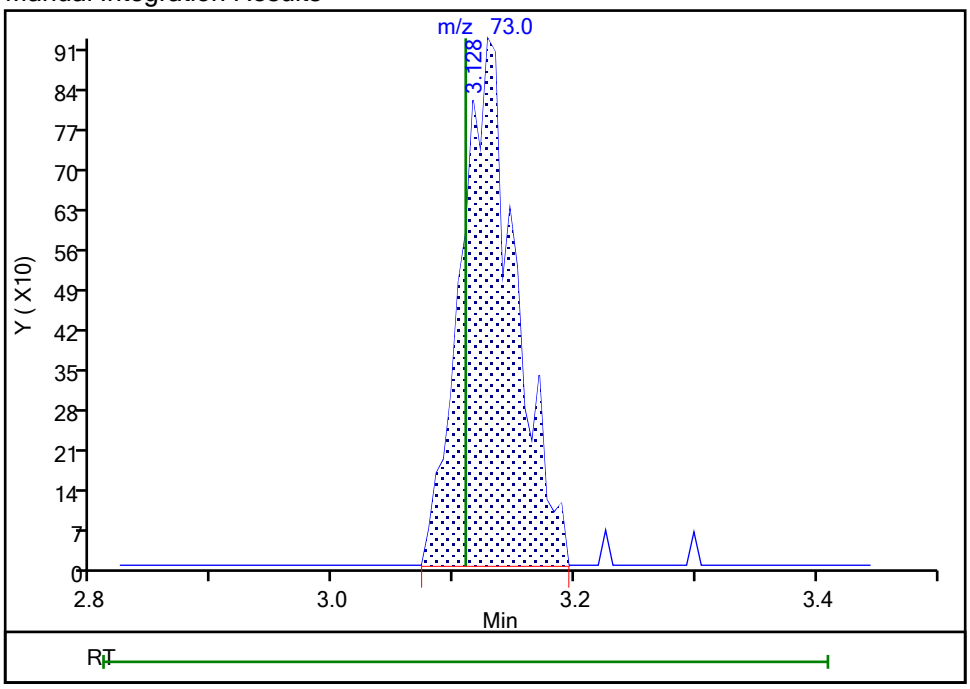
Not Detected
Expected RT: 3.11

Processing Integration Results



RT: 3.13
Area: 2924
Amount: 0.349838
Amount Units: ug/l

Manual Integration Results



Reviewer: XE5L, 24-Mar-2024 14:41:12 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: TT77747.D

Analysis Method: 8260D | Date Collected: 03/20/2024 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 02:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.42	J	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.6		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.6		1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	29		1.0	0.34
106-46-7	1,4-Dichlorobenzene	110		1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	4.9		1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	390		1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.74	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: TT77747.D

Analysis Method: 8260D | Date Collected: 03/20/2024 09:20

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 02:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	0.70	J	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	0.37	J	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	0.59	J	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.7		1.0	0.25
108-88-3	Toluene	0.54	J	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.28	J	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.9		1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	0.36	J	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	100		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D
Lims ID: 460-300430-A-2
Client ID: MW-15
Sample Type: Client
Inject. Date: 23-Mar-2024 02:17:30 ALS Bottle#: 44 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300430-A-2
Misc. Info.: 460-0173705-029
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 14:41:31 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1604

First Level Reviewer: FK2C Date: 24-Mar-2024 06:53:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
7 Vinyl chloride	62	1.646	1.640	0.006	86	1192	0.3565	
* 31 TBA-d9 (IS)	66	2.957	2.951	0.006	0	36404	1000.0	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	90	801	0.2807	
* 42 2-Butanone-d5	46	3.987	3.987	0.000	0	225188	250.0	
44 cis-1,2-Dichloroethene	96	4.030	4.024	0.006	94	2284	0.7405	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	139190	48.6	
60 Benzene	78	4.780	4.780	0.000	96	48712	4.87	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	140441	49.8	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	552816	50.0	
68 Trichloroethene	95	5.408	5.408	0.000	93	4983	1.88	
69 Methylcyclohexane	83	5.536	5.530	0.006	92	1133	0.2863	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	21876	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	520075	50.4	
84 Toluene	91	6.780	6.780	0.000	94	6018	0.5425	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	4673	1.71	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	407142	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	96	2749437	390.5	
96 Ethylbenzene	106	8.621	8.615	0.006	97	2607	0.7048	
98 m-Xylene & p-Xylene	106	8.779	8.773	0.006	0	2652	0.5864	
104 Isopropylbenzene	105	9.712	9.712	0.000	93	4224	0.3734	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	183501	54.2	
119 1,3-Dichlorobenzene	146	11.010	11.010	0.000	97	178650	29.0	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	237554	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	696085	112.0	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	94	10112	1.63	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	8340	1.59	
135 1,2,3-Trichlorobenzene	180	13.101	13.101	0.000	90	2187	0.4243	

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date: 23-Mar-2024 02:17:30 Instrument ID: CVOAMS17

Lims ID: 460-300430-A-2 Lab Sample ID: 460-300430-2

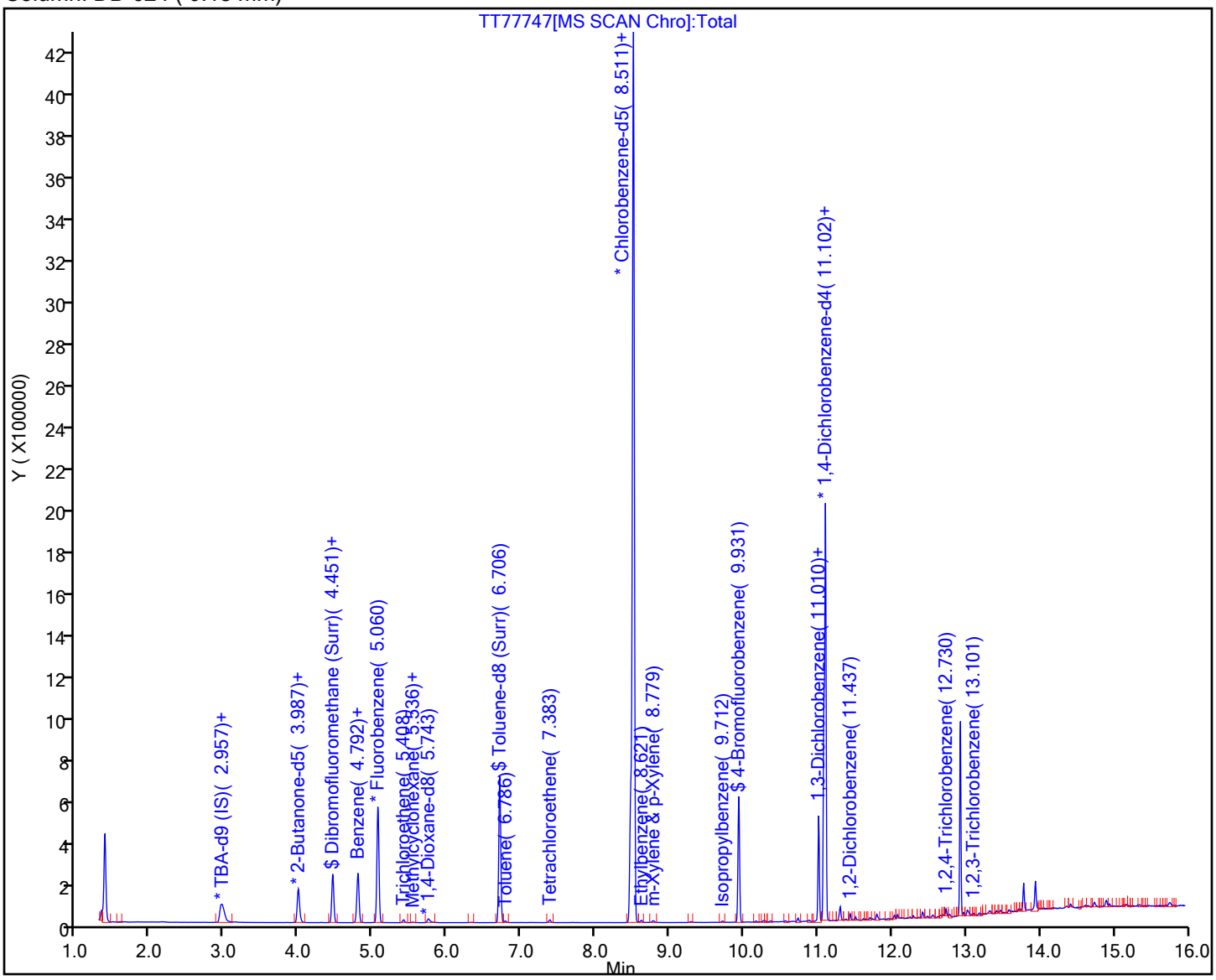
Client ID: MW-15

Operator ID: ALS Bottle#: 44 Worklist Smp#: 29

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D				
Lims ID:	460-300430-A-2				
Client ID:	MW-15				
Sample Type:	Client				
Inject. Date:	23-Mar-2024 02:17:30	ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-300430-A-2				
Misc. Info.:	460-0173705-029				
Operator ID:		Instrument ID:	CVOAMS17		
Method:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	24-Mar-2024 14:41:31	Calib Date:	22-Feb-2024 09:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS Quad		
Process Host:	CTX1604				
First Level Reviewer: FK2C		Date:	24-Mar-2024 06:53:32		

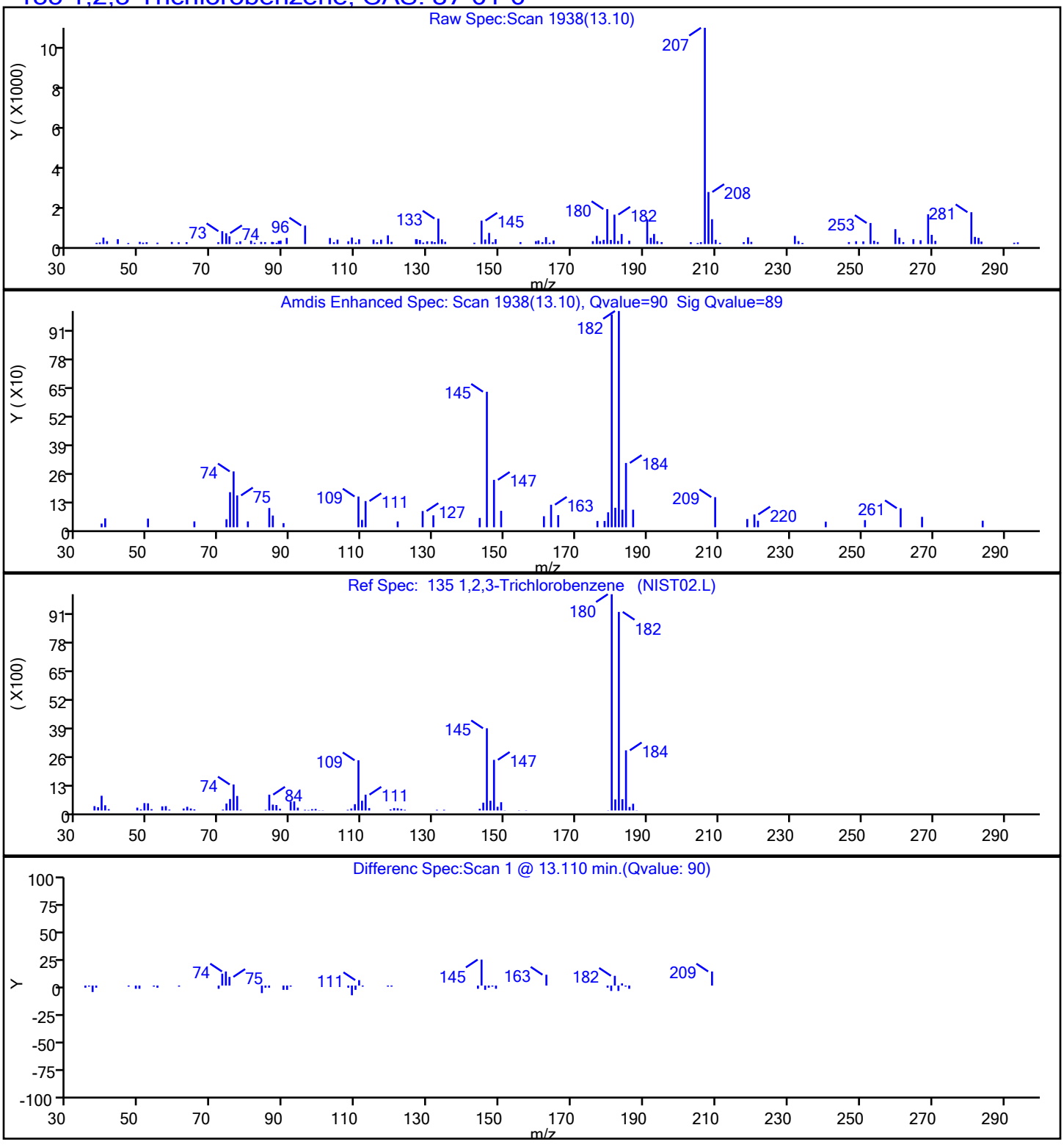
Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.6	97.28
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.8	99.58
$ 83 Toluene-d8 (Surr)	50.0	50.4	100.83
$ 105 4-Bromofluorobenzene	50.0	54.2	108.36

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2
Client ID:	MW-15		
Operator ID:		ALS Bottle#:	44 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

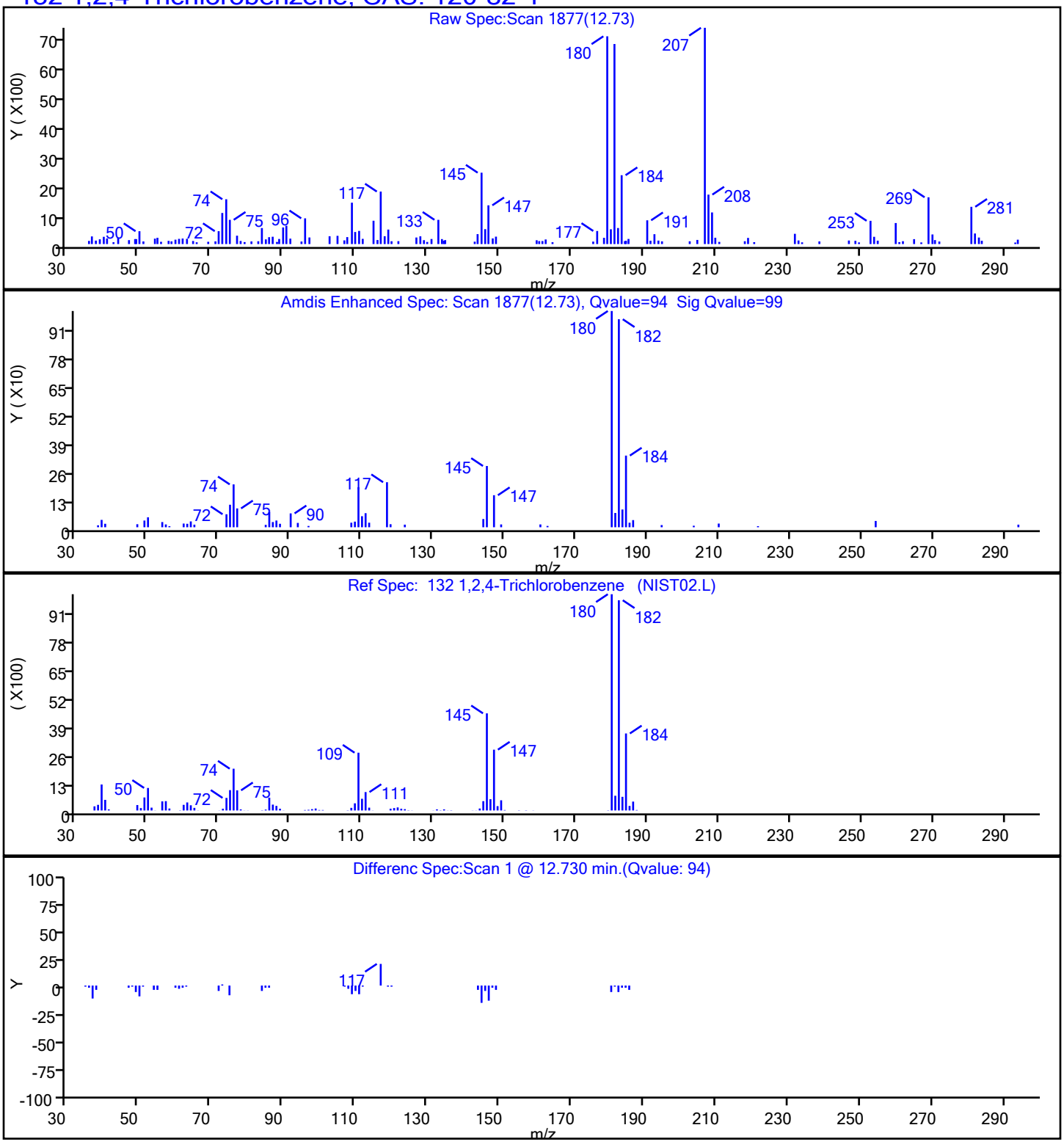
135 1,2,3-Trichlorobenzene, CAS: 87-61-6



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D				
Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

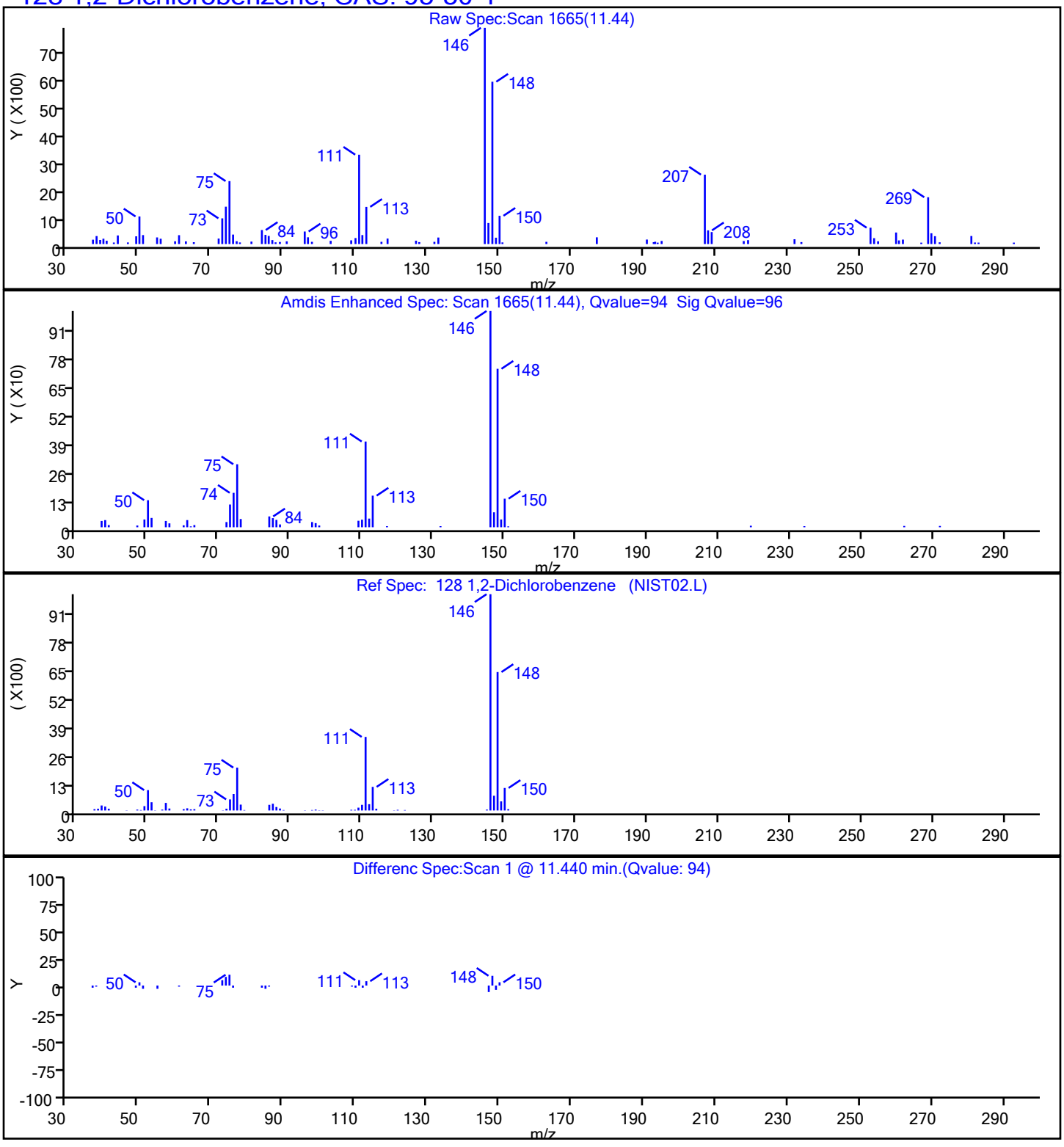
132 1,2,4-Trichlorobenzene, CAS: 120-82-1



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D		
Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2
Client ID:	MW-15		
Operator ID:		ALS Bottle#:	44 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

128 1,2-Dichlorobenzene, CAS: 95-50-1



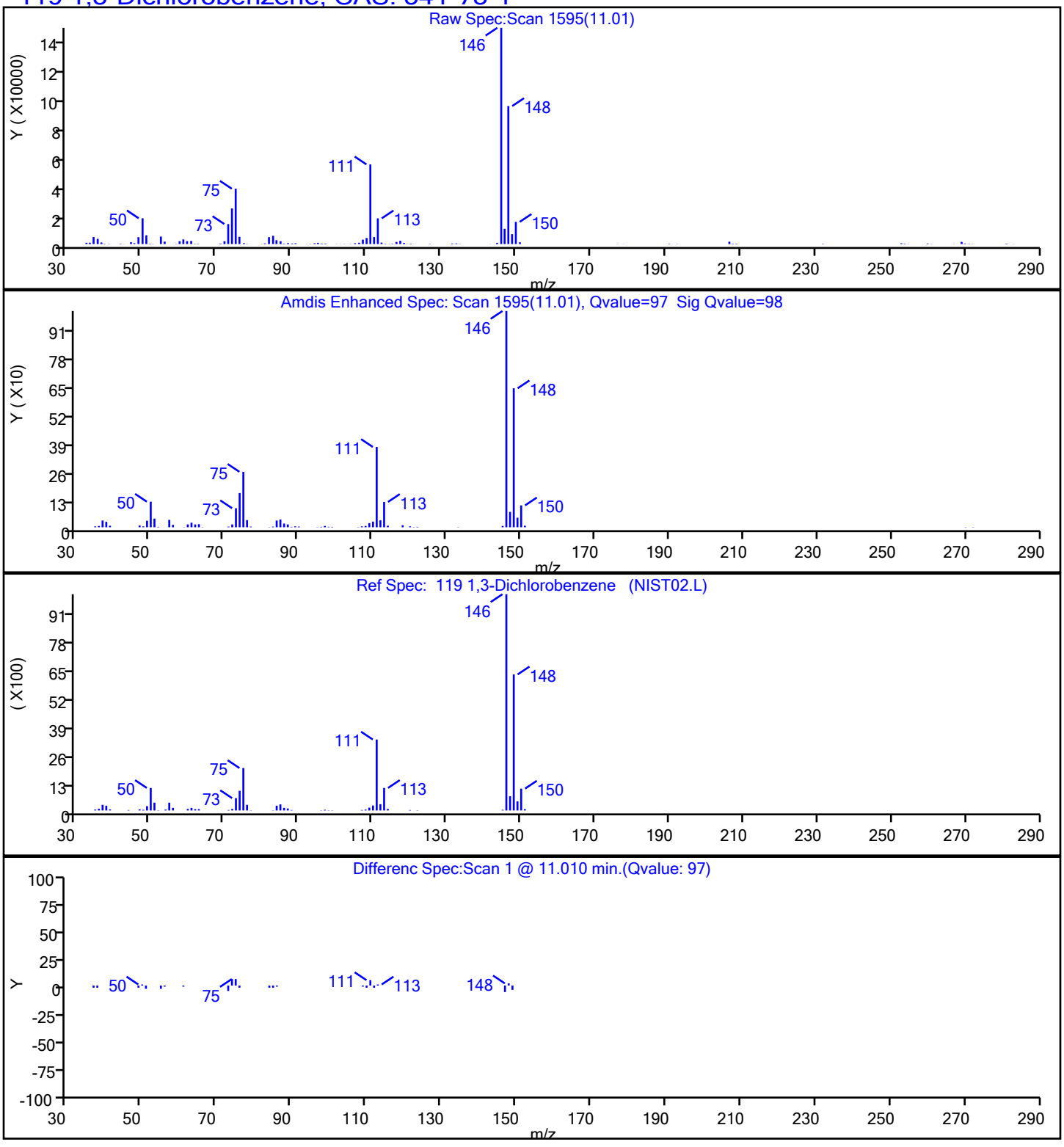
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

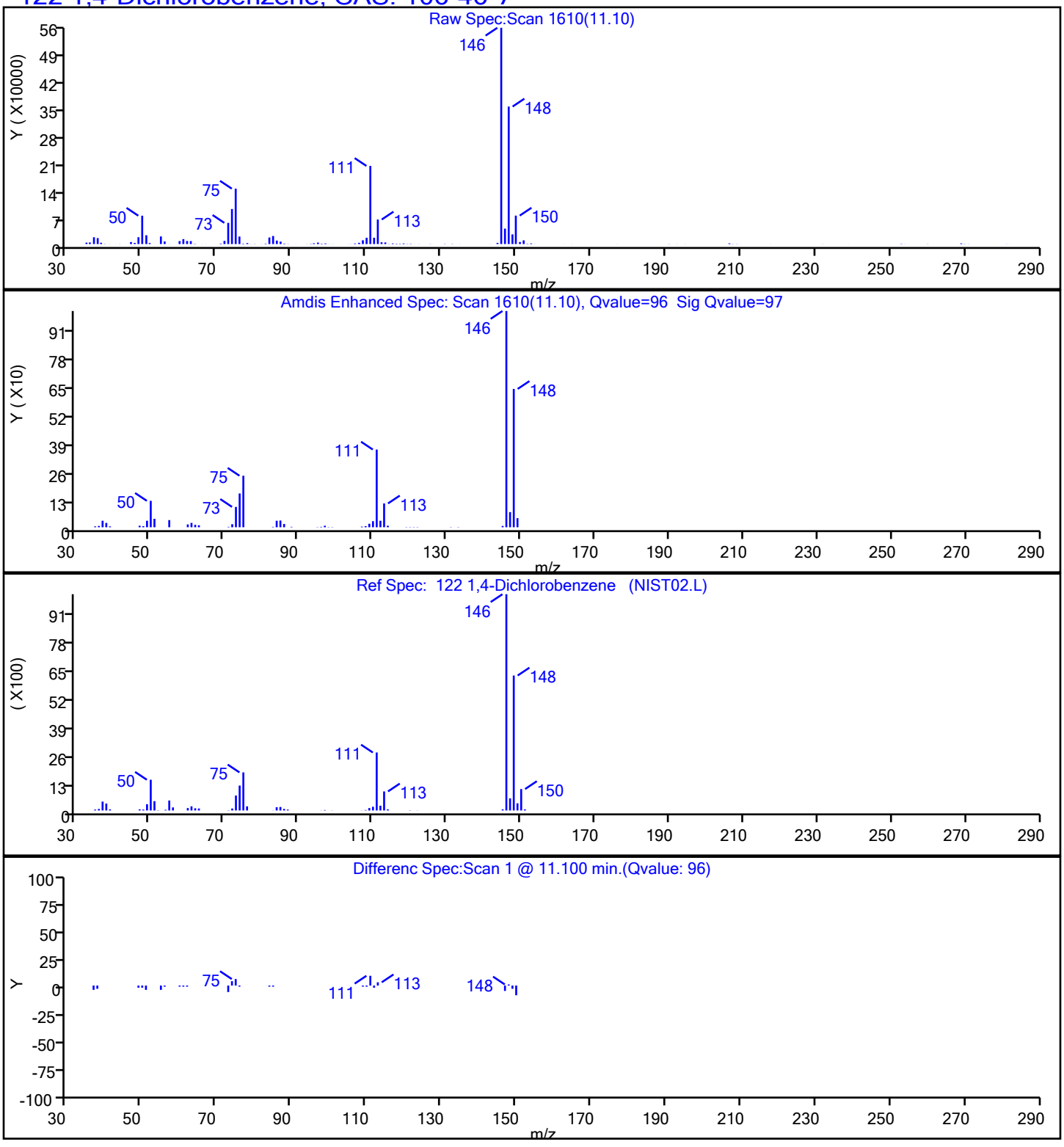
119 1,3-Dichlorobenzene, CAS: 541-73-1



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D
Injection Date: 23-Mar-2024 02:17:30 Instrument ID: CVOAMS17
Lims ID: 460-300430-A-2 Lab Sample ID: 460-300430-2
Client ID: MW-15
Operator ID: ALS Bottle#: 44 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7



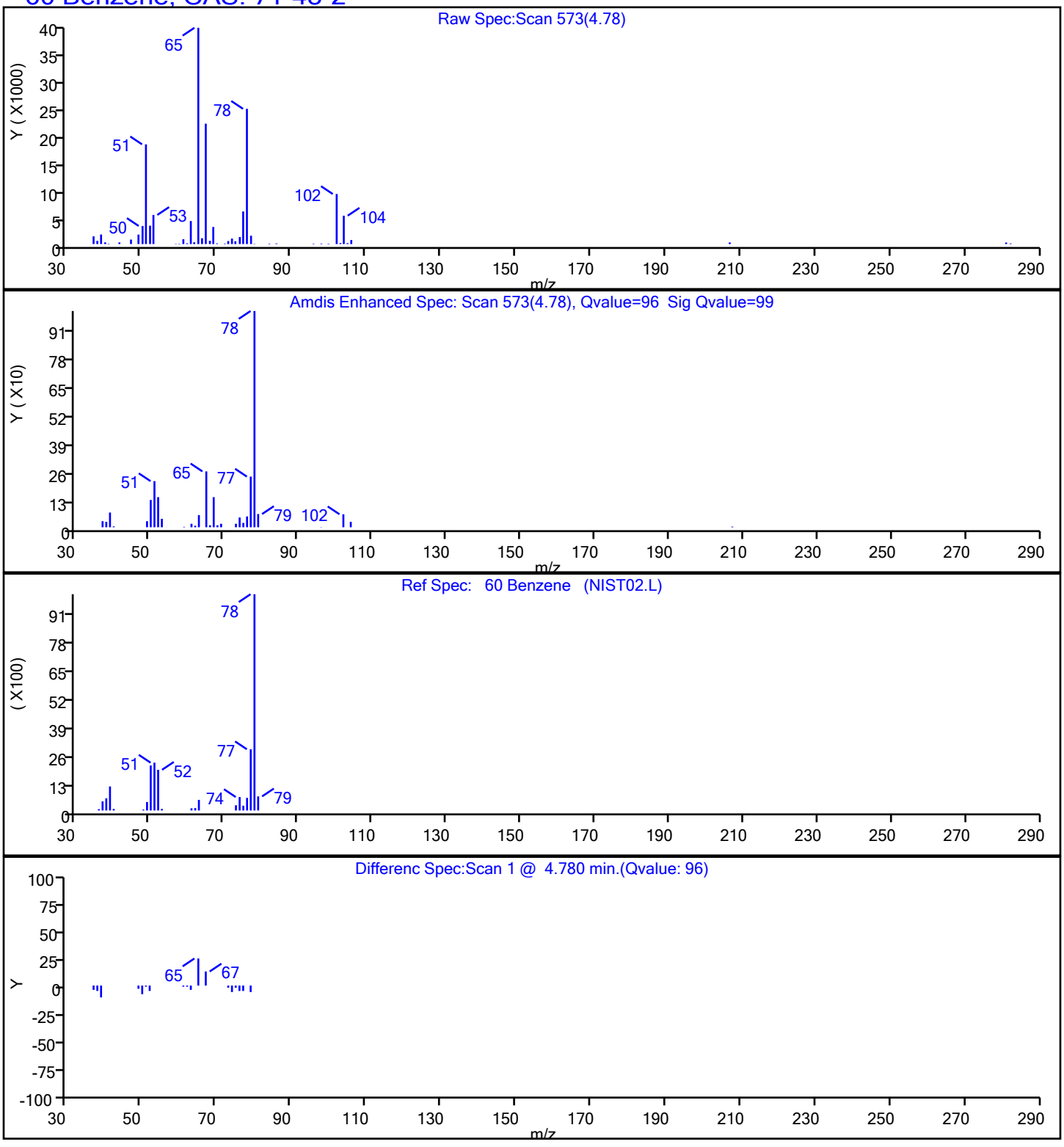
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

60 Benzene, CAS: 71-43-2



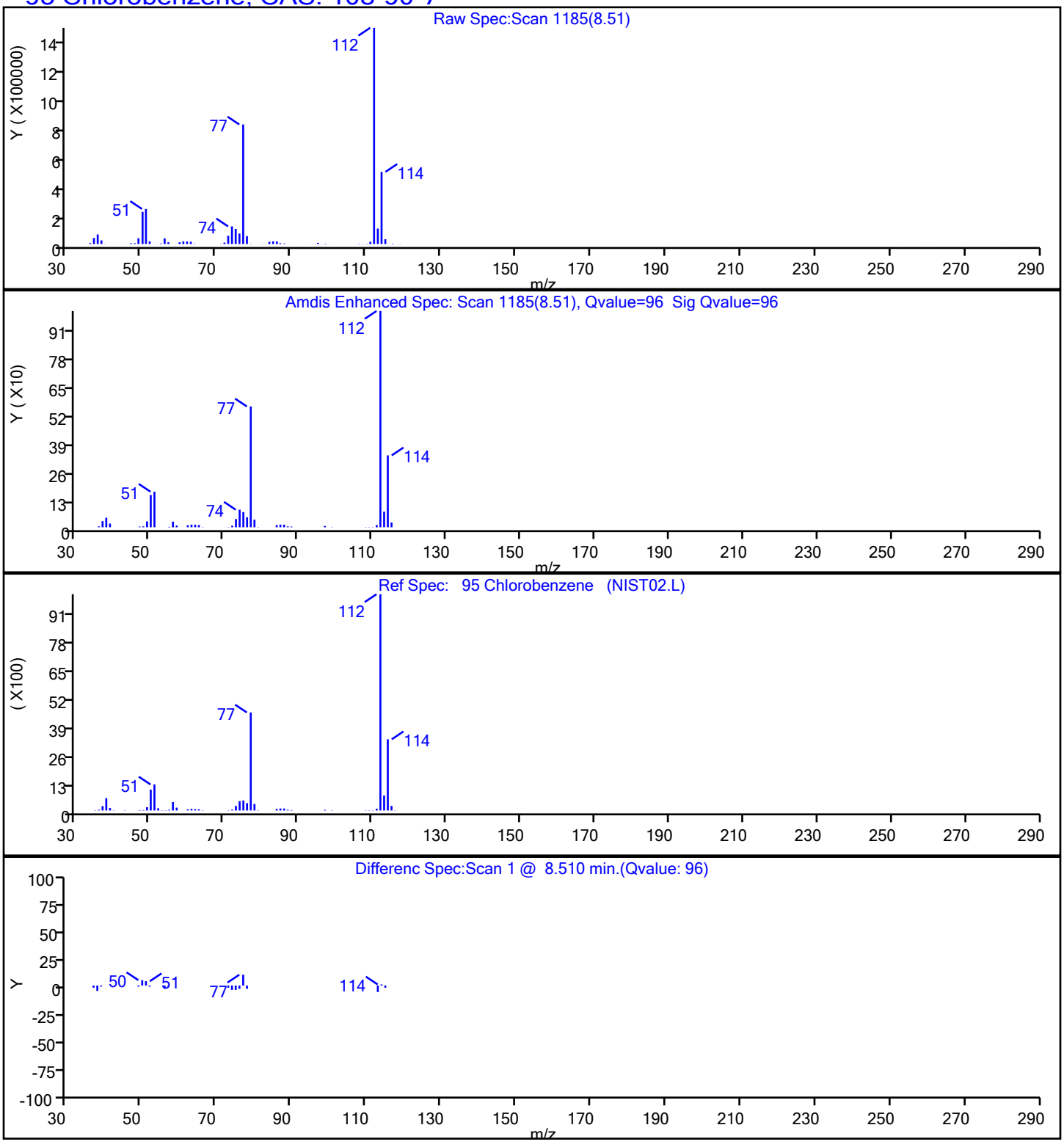
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

95 Chlorobenzene, CAS: 108-90-7



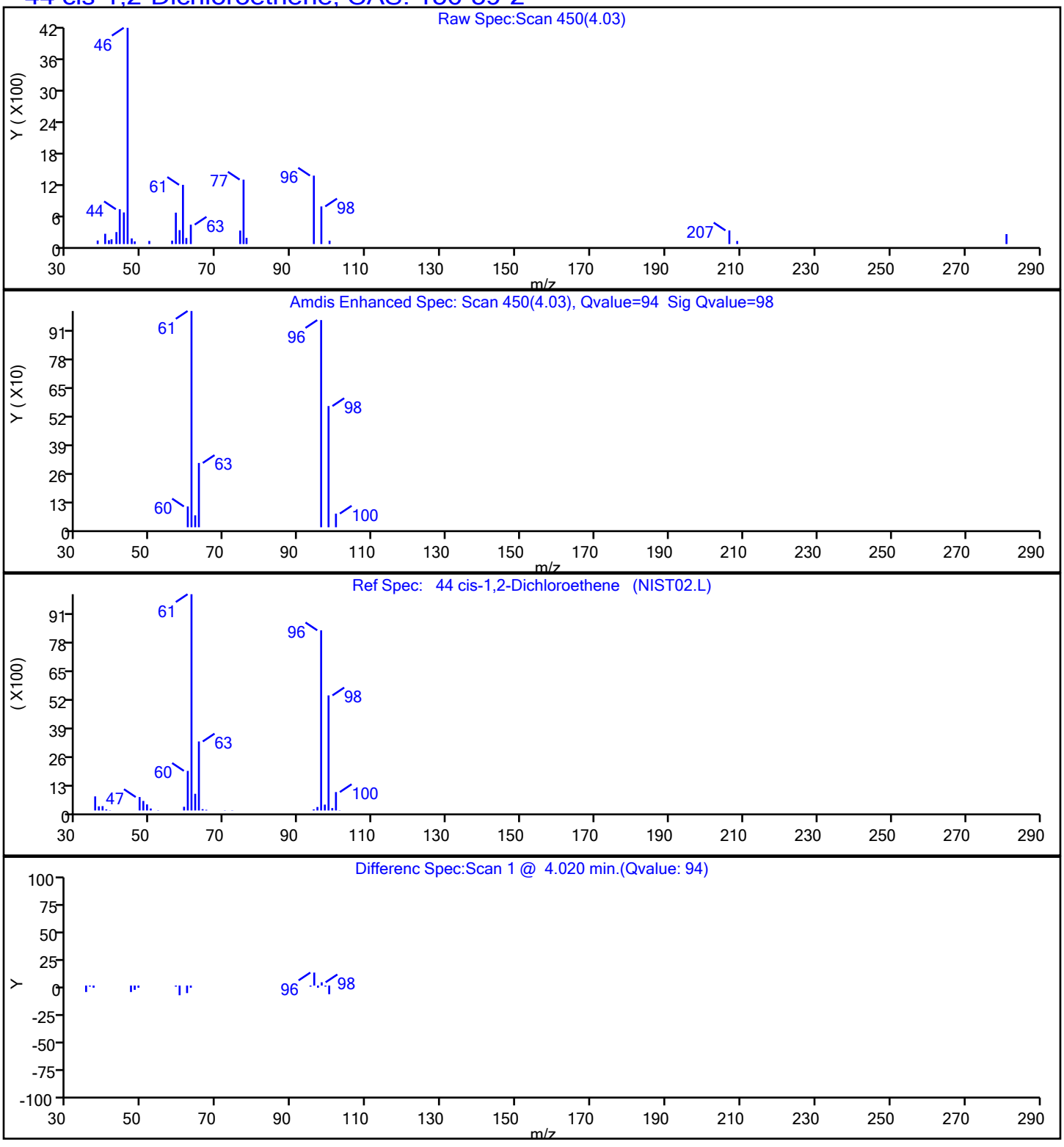
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

44 cis-1,2-Dichloroethene, CAS: 156-59-2



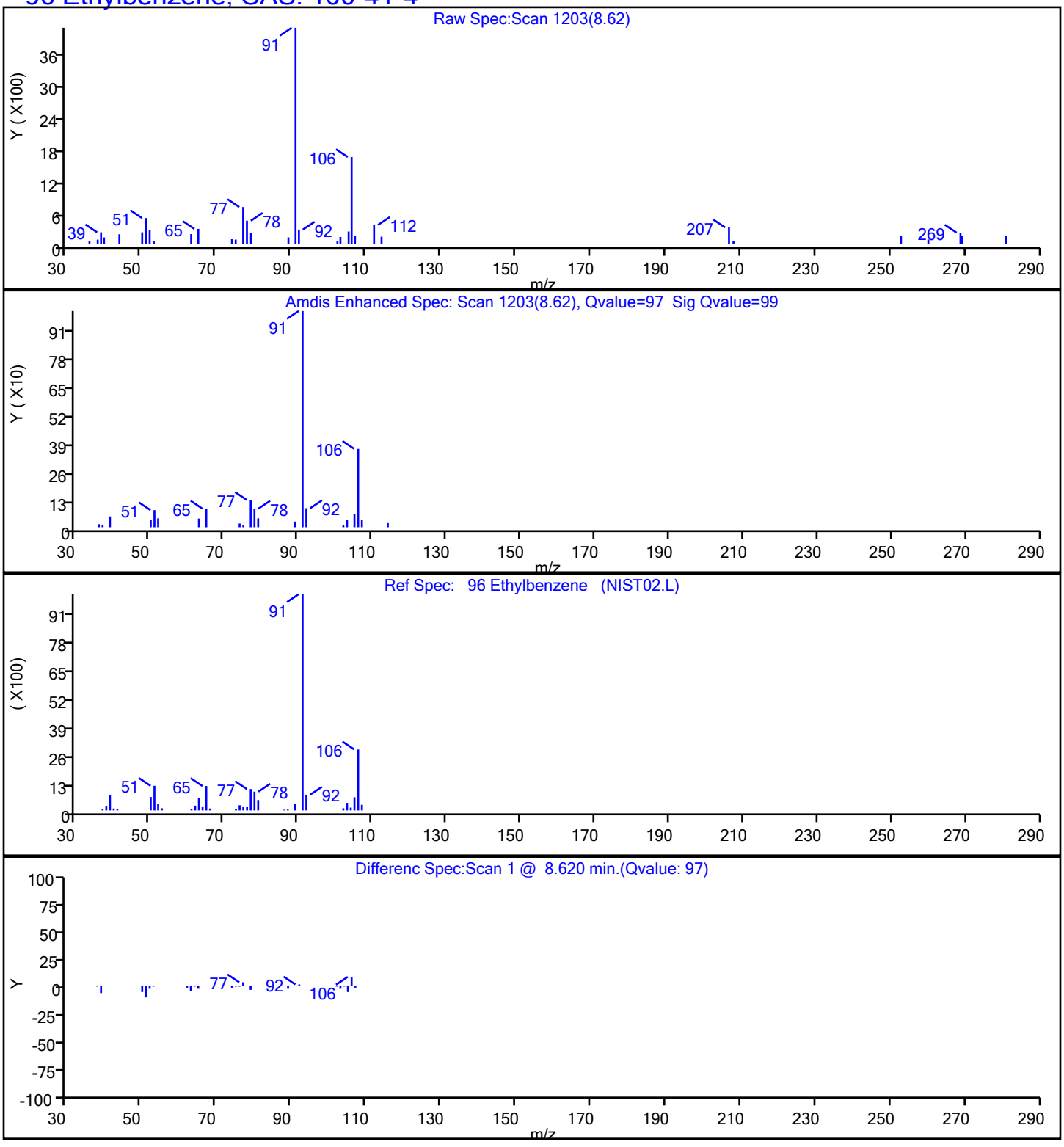
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

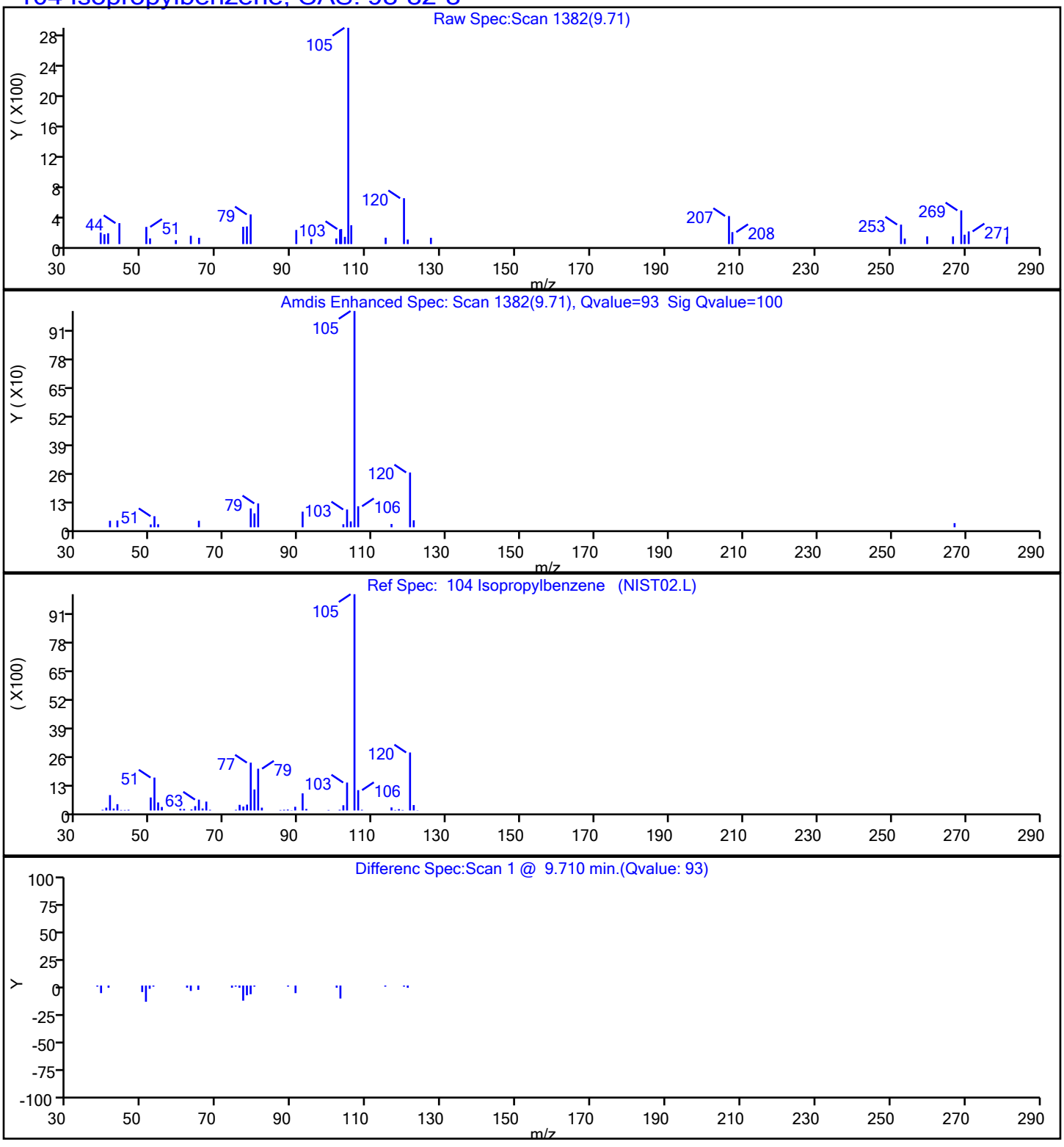
96 Ethylbenzene, CAS: 100-41-4



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D		
Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2
Client ID:	MW-15		
Operator ID:		ALS Bottle#:	44 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

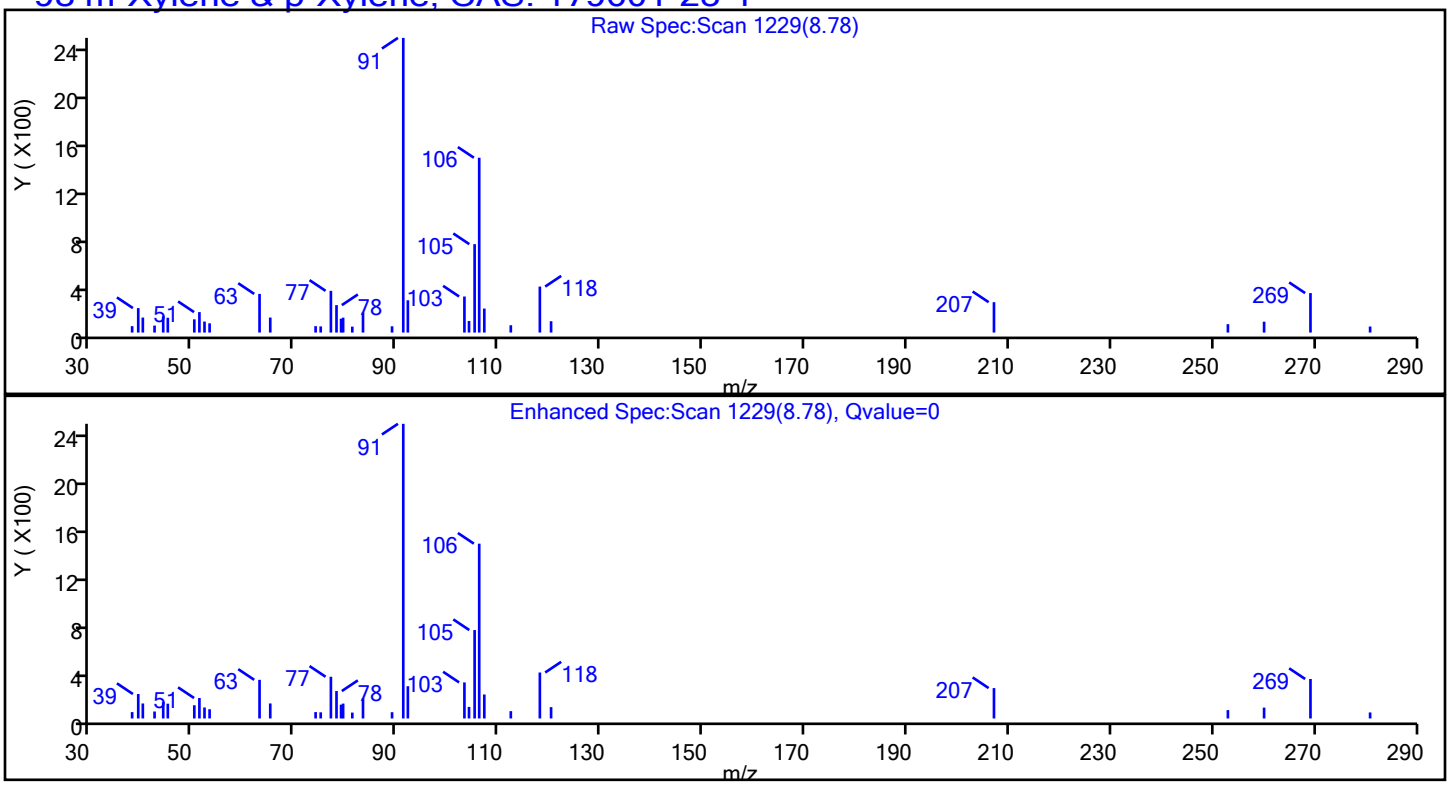
104 Isopropylbenzene, CAS: 98-82-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D		
Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2
Client ID:	MW-15		
Operator ID:		ALS Bottle#:	44 Worklist Smp#: 29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

98 m-Xylene & p-Xylene, CAS: 179601-23-1



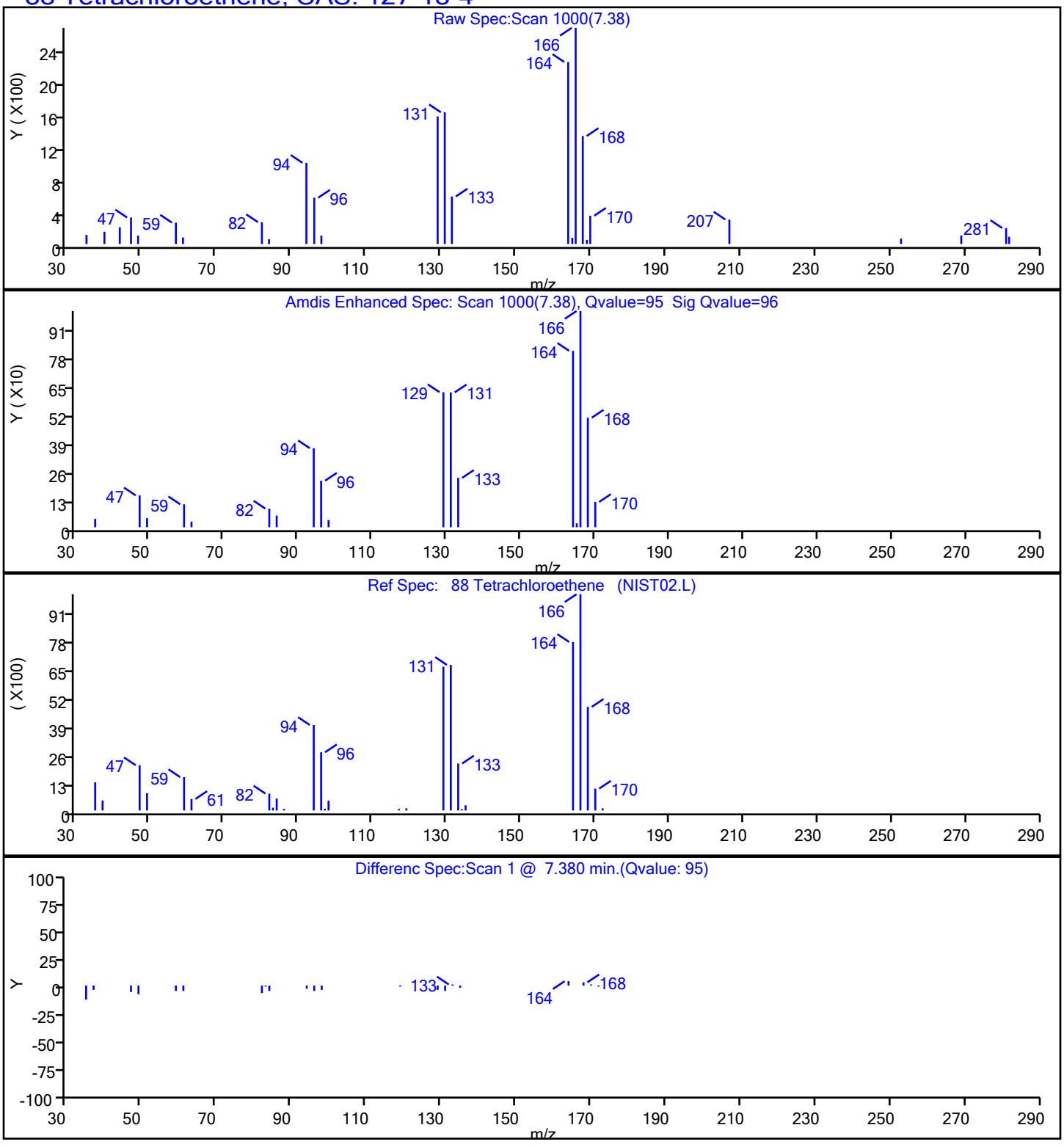
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

88 Tetrachloroethene, CAS: 127-18-4



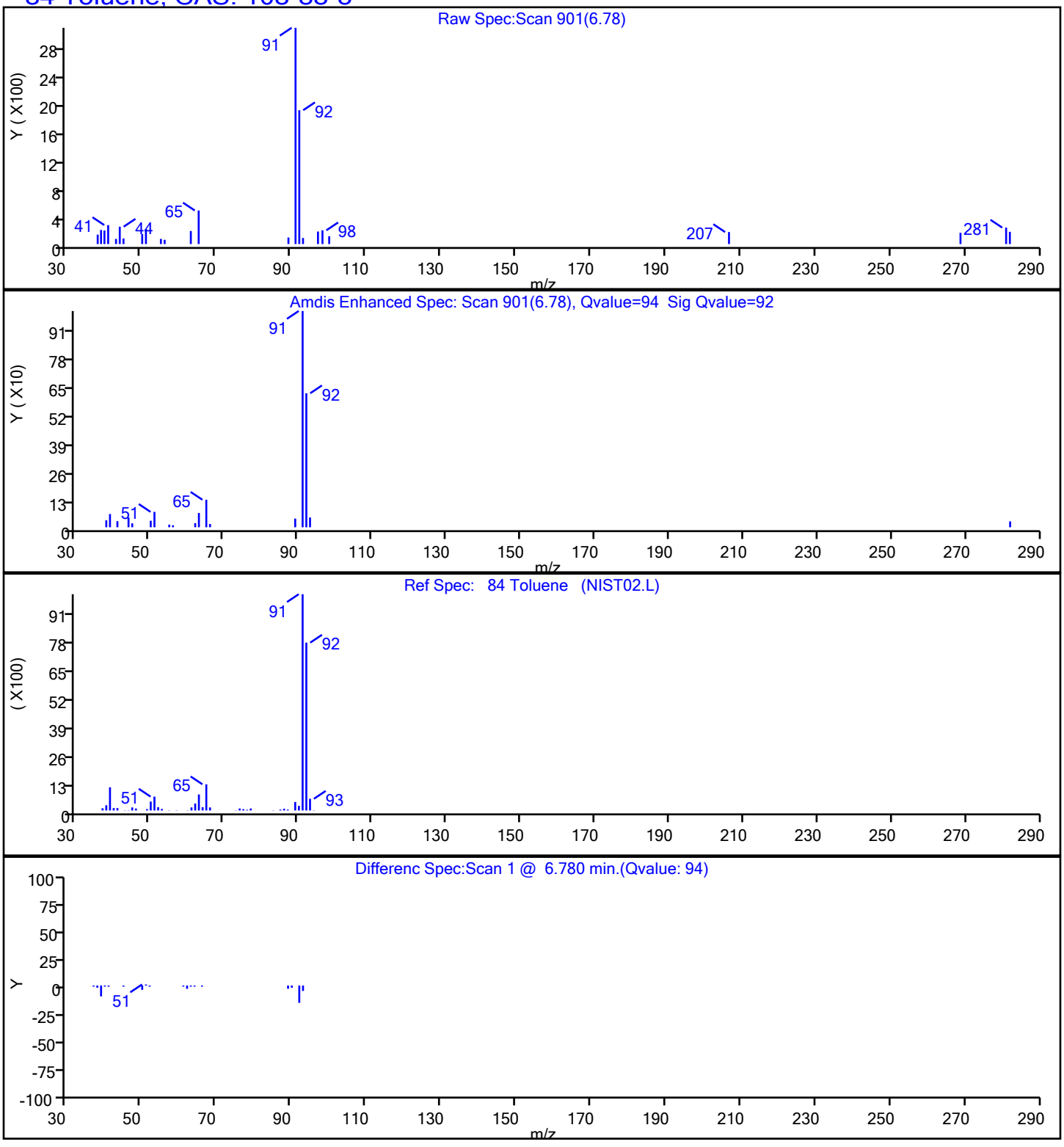
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

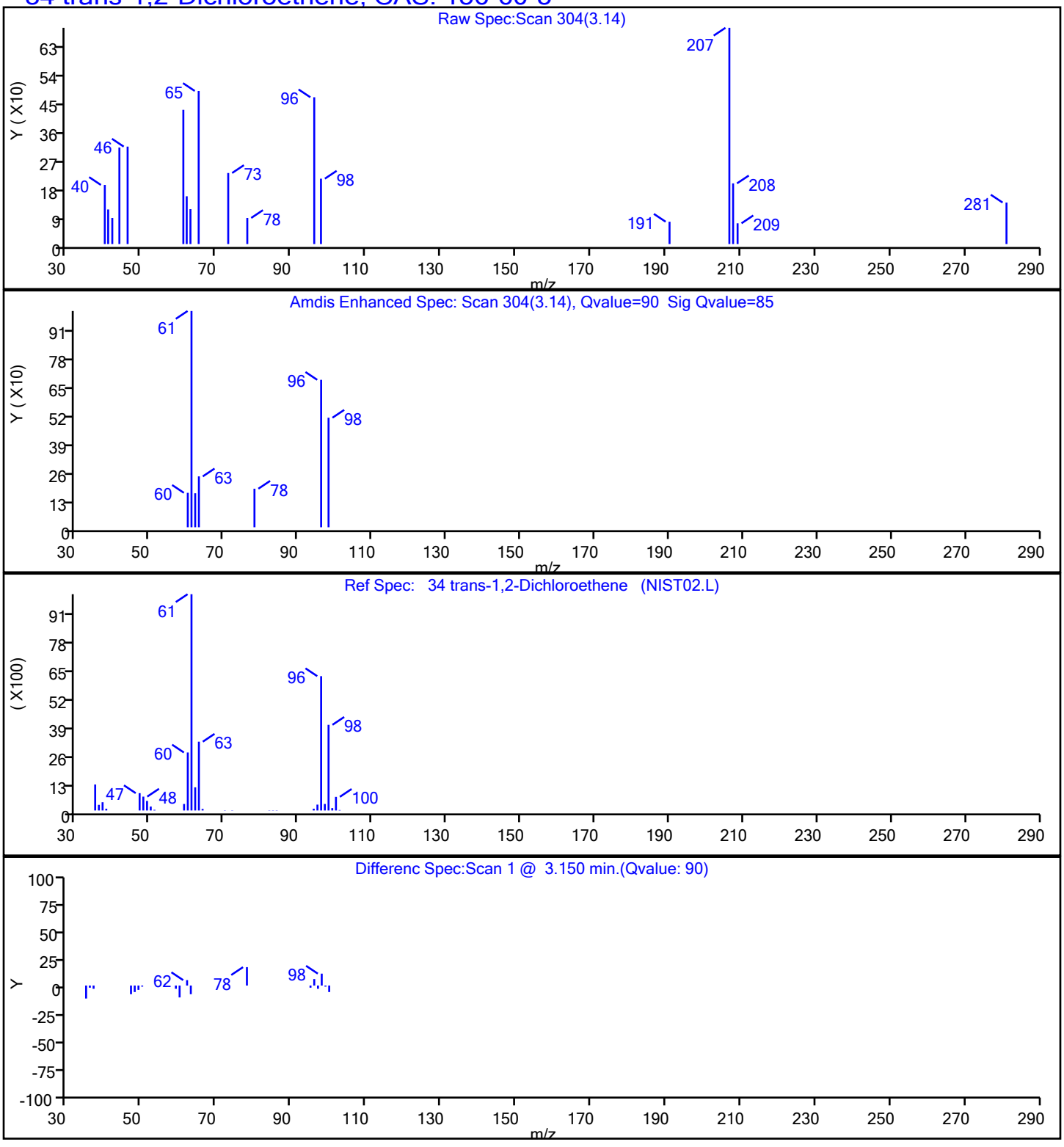
84 Toluene, CAS: 108-88-3



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D
Injection Date: 23-Mar-2024 02:17:30 Instrument ID: CVOAMS17
Lims ID: 460-300430-A-2 Lab Sample ID: 460-300430-2
Client ID: MW-15
Operator ID: ALS Bottle#: 44 Worklist Smp#: 29
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5



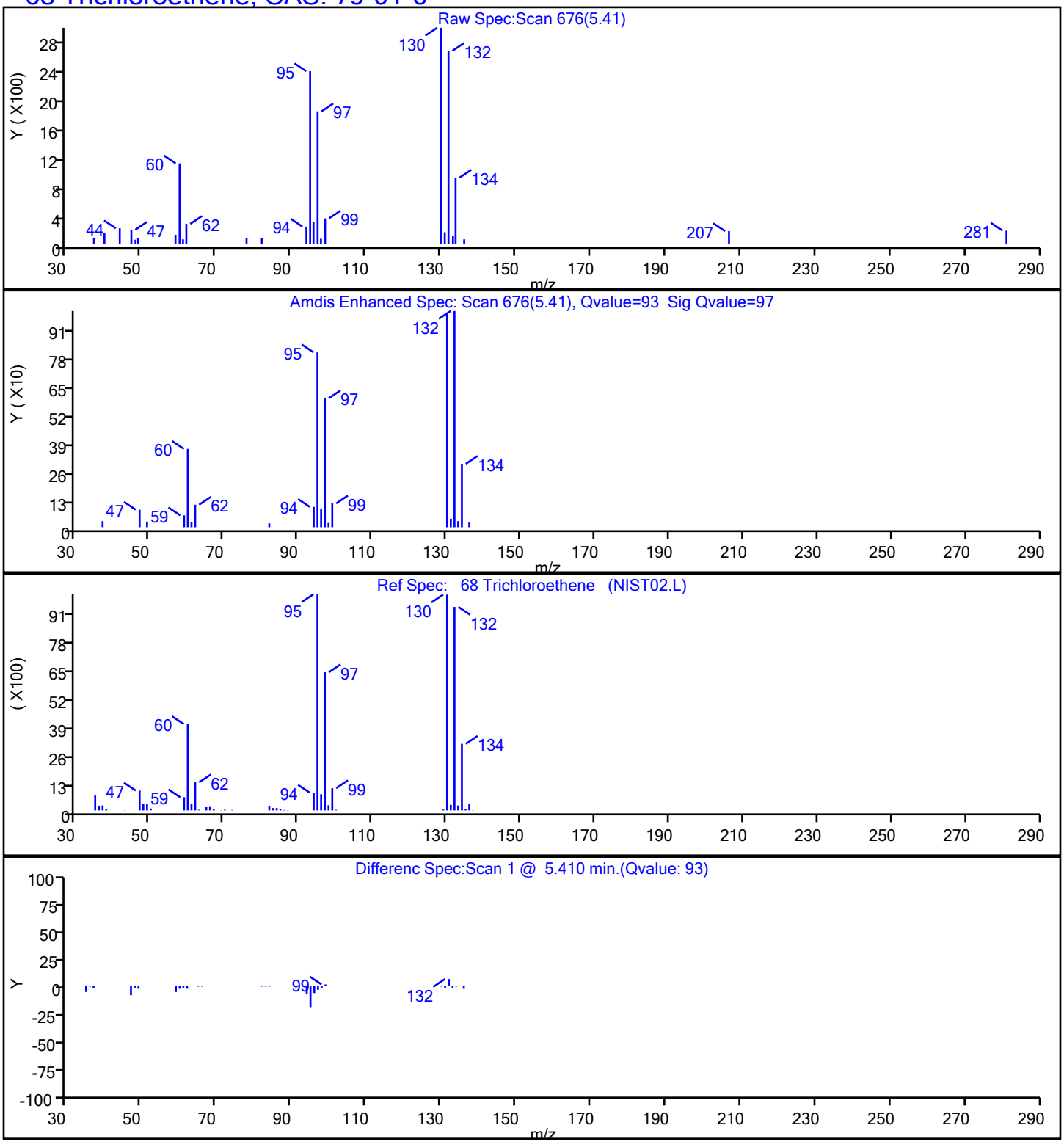
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

68 Trichloroethene, CAS: 79-01-6



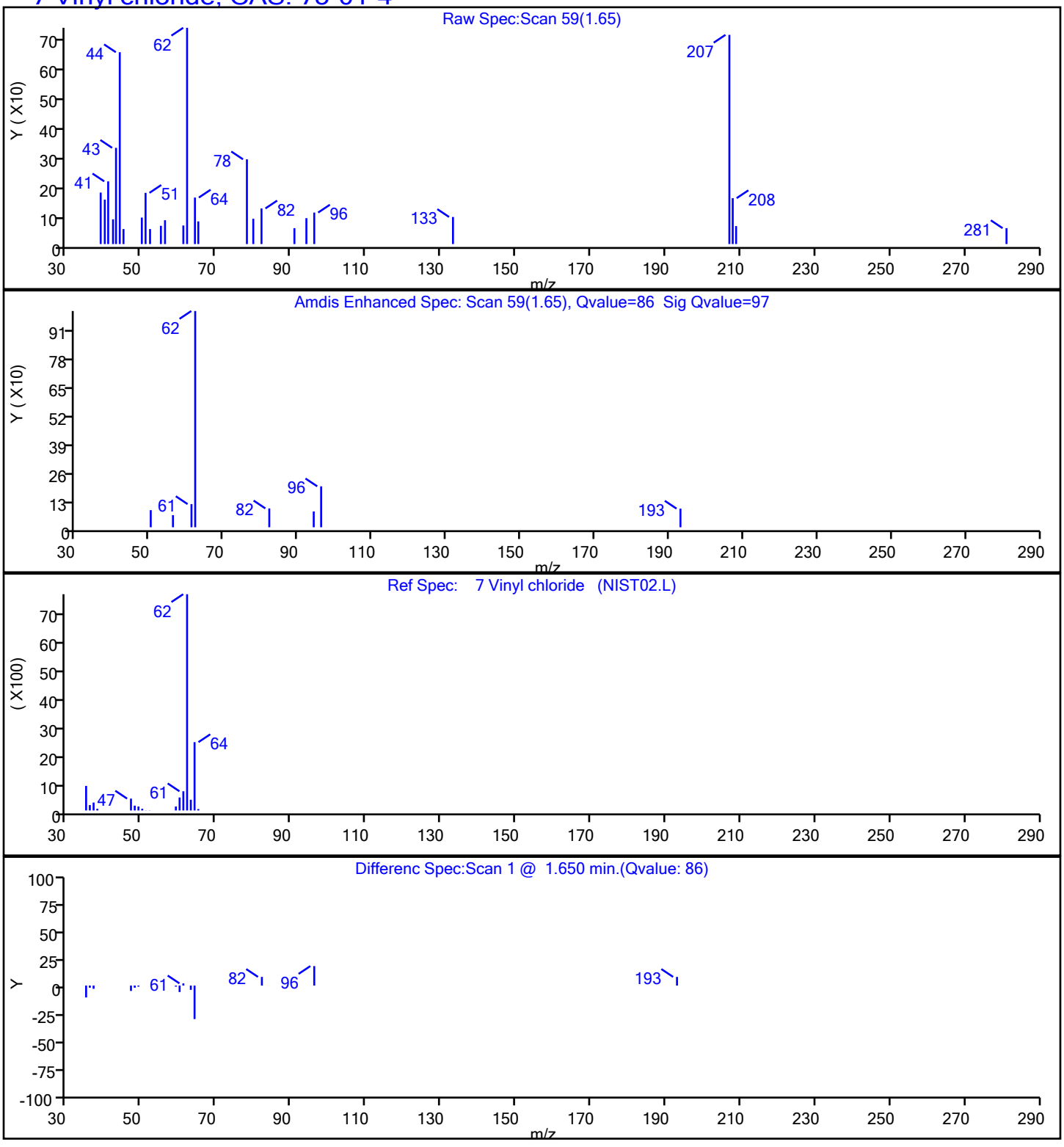
Report Date: 24-Mar-2024 14:42:51 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D

Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

7 Vinyl chloride, CAS: 75-01-4



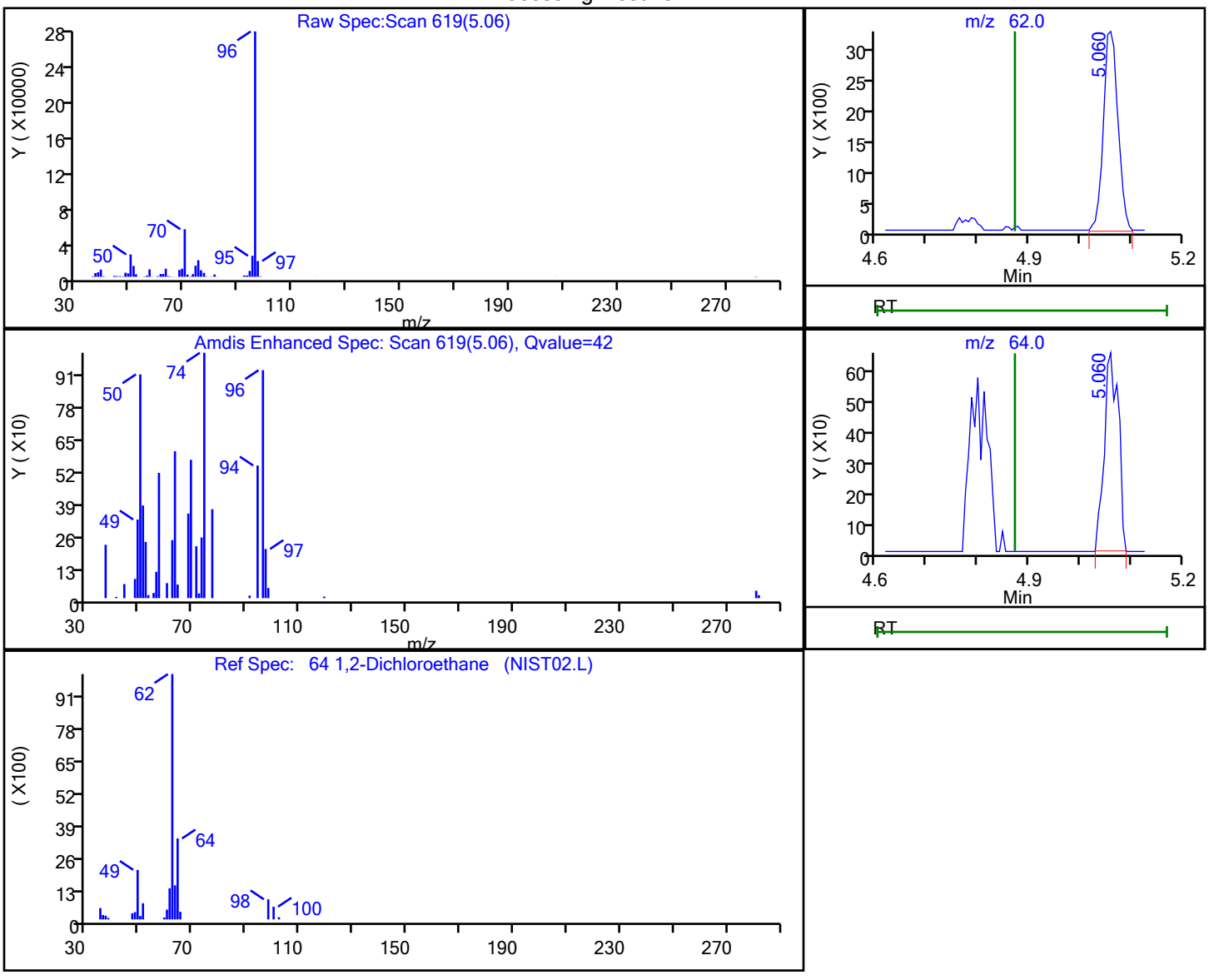
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77747.D				
Injection Date:	23-Mar-2024 02:17:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-2	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	44	Worklist Smp#:	29
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.06	62.00	6505	2.170519
5.06	64.00	1267	

Reviewer: FK2C, 24-Mar-2024 06:53:18 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: TT77746.D

Analysis Method: 8260D | Date Collected: 03/20/2024 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 01:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.45	J	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.77	J	1.0	0.33
123-91-1	1,4-Dioxane	50	U *	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	11		1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.72	J	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: TT77746.D

Analysis Method: 8260D | Date Collected: 03/20/2024 11:05

Sample wt/vol: 5(mL) | Date Analyzed: 03/23/2024 01:58

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-128
460-00-4	4-Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D
Lims ID: 460-300430-A-3
Client ID: MW-13
Sample Type: Client
Inject. Date: 23-Mar-2024 01:58:30 ALS Bottle#: 43 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300430-A-3
Misc. Info.: 460-0173705-028
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 14:41:31 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1604

First Level Reviewer: FK2C Date: 24-Mar-2024 06:52:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.951	2.951	0.000	0	40357	1000.0	
* 42 2-Butanone-d5	46	3.988	3.987	0.001	0	241715	250.0	
44 cis-1,2-Dichloroethene	96	4.024	4.024	0.000	92	2320	0.7196	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	147233	49.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	145862	49.5	
* 66 Fluorobenzene	96	5.061	5.060	0.001	99	577860	50.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	25014	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	99	543719	50.3	
* 94 Chlorobenzene-d5	117	8.475	8.474	0.001	84	426955	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	98	78087	10.6	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	98	193941	54.6	
119 1,3-Dichlorobenzene	146	11.011	11.010	0.001	93	2973	0.4547	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	252243	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	92	5054	0.7660	

QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 24-Mar-2024 14:42:11 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D

Injection Date: 23-Mar-2024 01:58:30 Instrument ID: CVOAMS17

Lims ID: 460-300430-A-3 Lab Sample ID: 460-300430-3

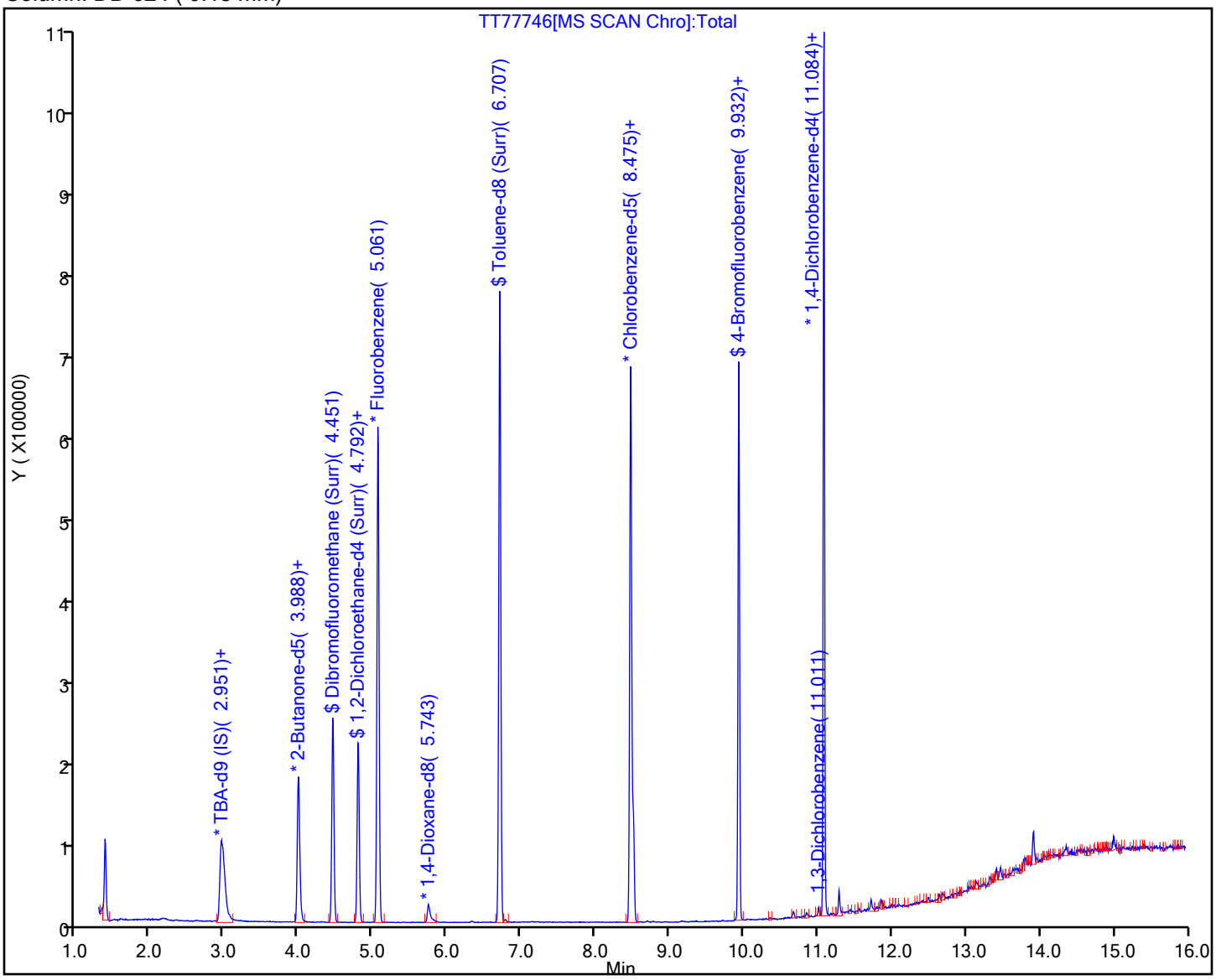
Client ID: MW-13

Operator ID: ALS Bottle#: 43 Worklist Smp#: 28

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D
Lims ID: 460-300430-A-3
Client ID: MW-13
Sample Type: Client
Inject. Date: 23-Mar-2024 01:58:30 ALS Bottle#: 43 Worklist Smp#: 28
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-300430-A-3
Misc. Info.: 460-0173705-028
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 14:41:31 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1604

First Level Reviewer: FK2C Date: 24-Mar-2024 06:52:24

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.2	98.44
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.5	98.95
$ 83 Toluene-d8 (Surr)	50.0	50.3	100.52
$ 105 4-Bromofluorobenzene	50.0	54.6	109.21

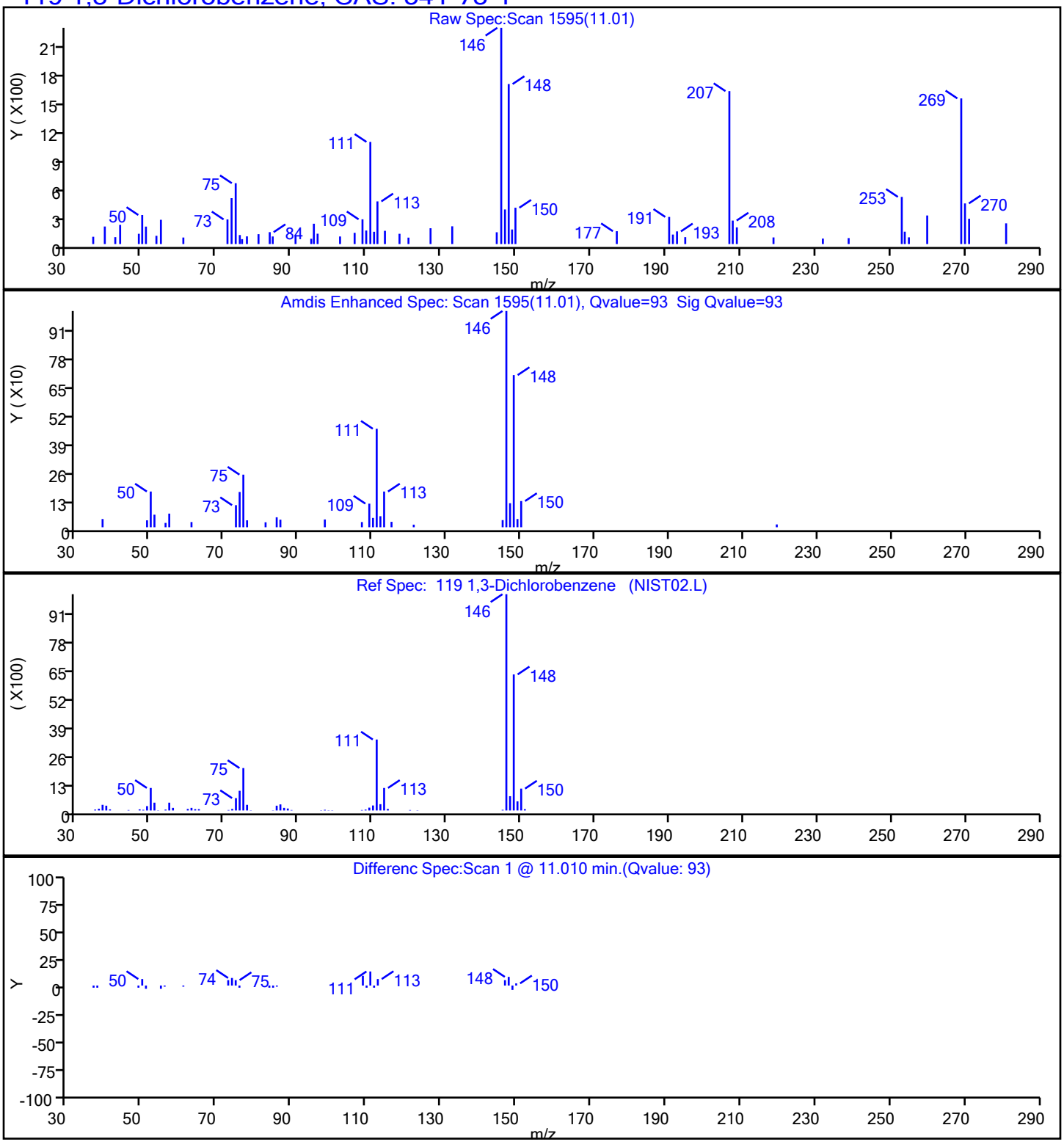
Report Date: 24-Mar-2024 14:42:11 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D

Injection Date:	23-Mar-2024 01:58:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-3	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	43	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

119 1,3-Dichlorobenzene, CAS: 541-73-1



3/27/2024
11:47:49 AM

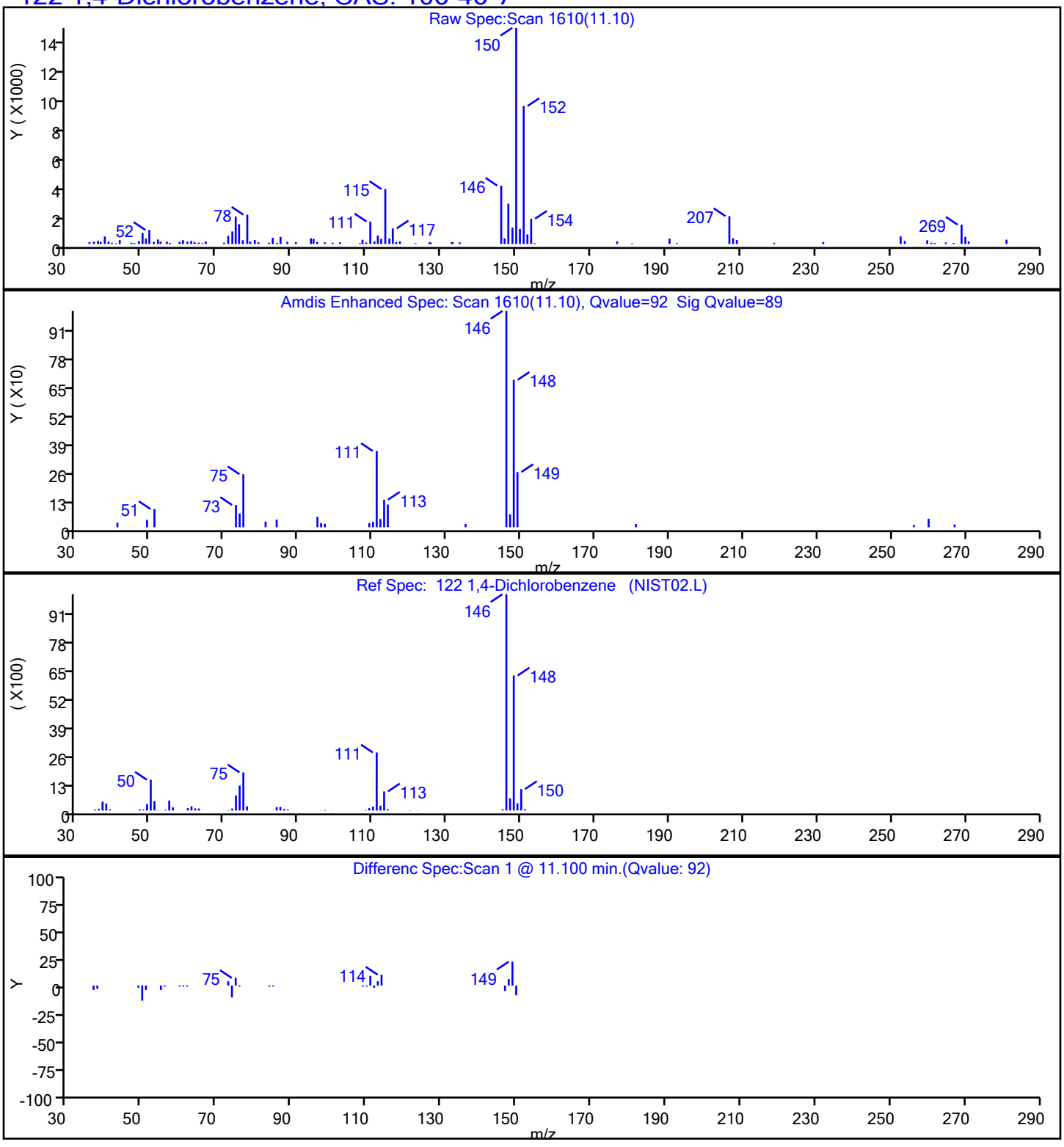
Report Date: 24-Mar-2024 14:42:11 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D

Injection Date:	23-Mar-2024 01:58:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-3	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	43	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

122 1,4-Dichlorobenzene, CAS: 106-46-7



3/27/2024
11:47:49 AM

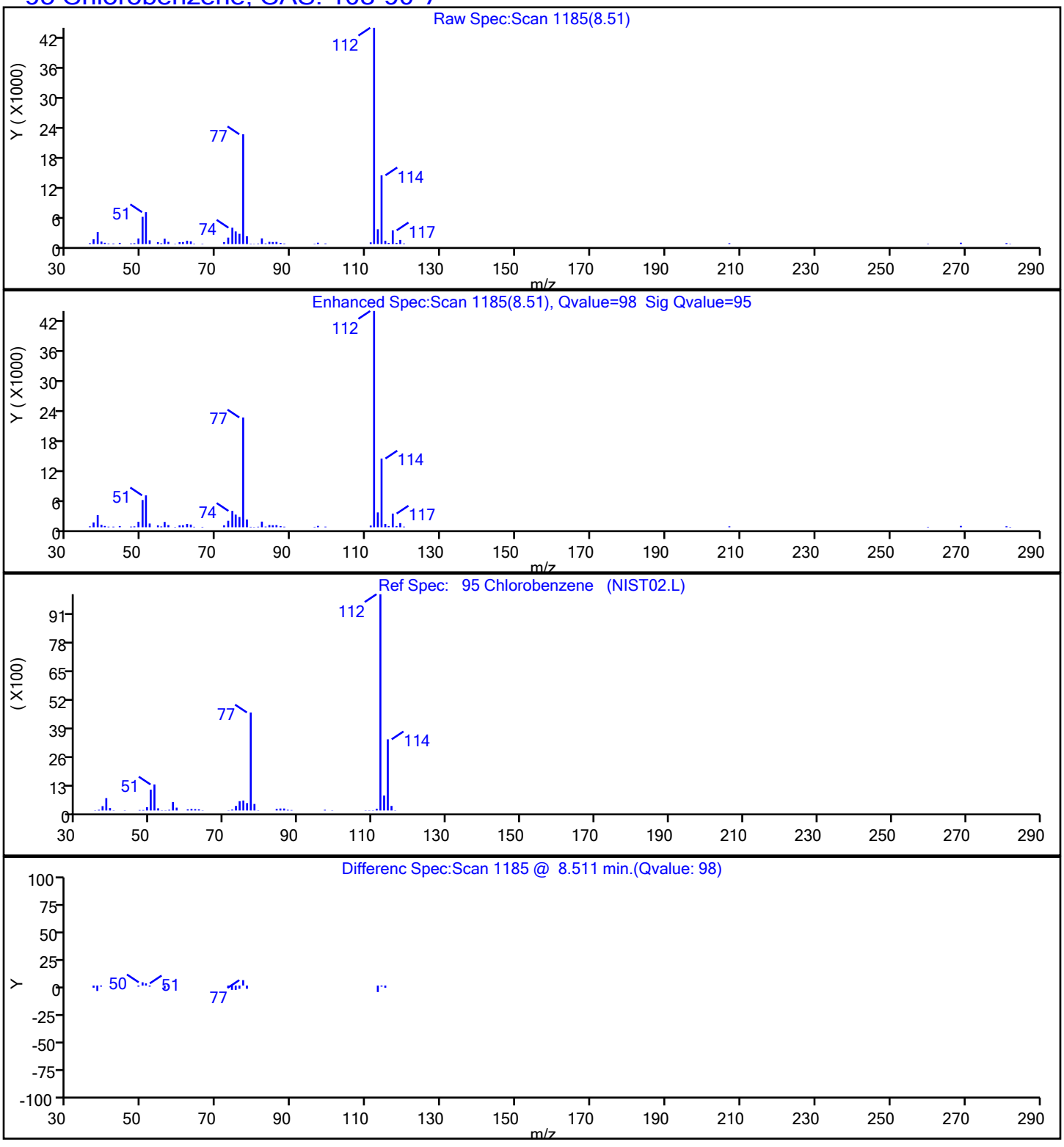
Report Date: 24-Mar-2024 14:42:11 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D

Injection Date:	23-Mar-2024 01:58:30	Instrument ID:	CVOAMS17
Lims ID:	460-300430-A-3	Lab Sample ID:	460-300430-3
Client ID:	MW-13		
Operator ID:		ALS Bottle#:	43 Worklist Smp#: 28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

95 Chlorobenzene, CAS: 108-90-7



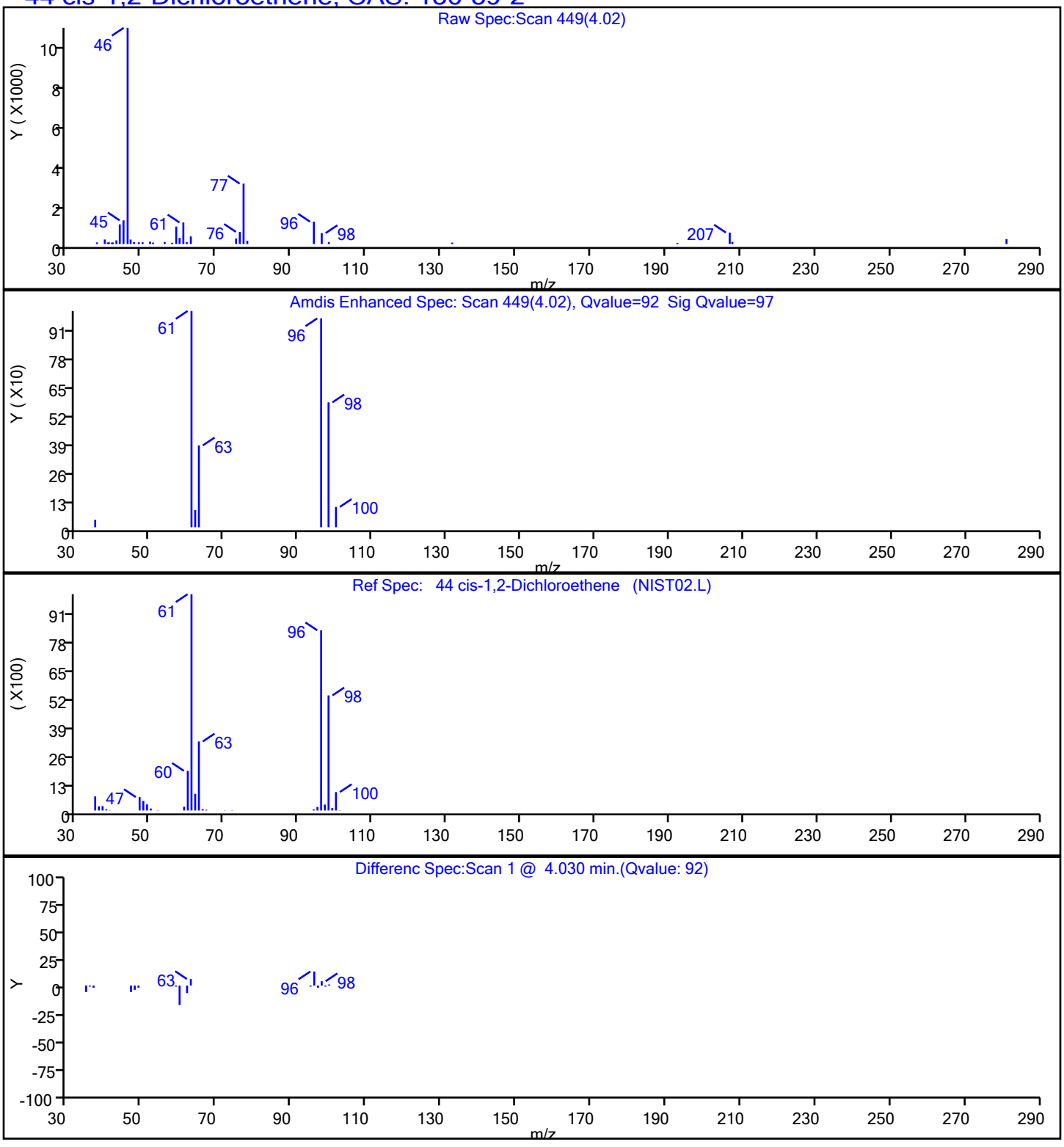
Report Date: 24-Mar-2024 14:42:11 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77746.D

Injection Date:	23-Mar-2024 01:58:30	Instrument ID:	CVOAMS17		
Lims ID:	460-300430-A-3	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	43	Worklist Smp#:	28
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

44 cis-1,2-Dichloroethene, CAS: 156-59-2



FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	+++++ 0.1007	0.0626 +++++	0.0803 +++++	0.0910	0.1070	Ave		0.0883				19.9		20.0			
Dichlorodifluoromethane	+++++ 0.3032	0.1949 0.3343	0.3061 0.3349	0.3290	0.3440	Ave		0.3066			0.1000	16.8		20.0			
Chlorodifluoromethane	+++++ 0.0480	0.0315 0.0371	0.0430 0.0343	0.0496	0.0490	Ave		0.0418				17.9		20.0			
Chloromethane	+++++ 0.3193	0.3922 0.3094	0.3092 0.3008	0.3138	0.3397	Ave		0.3264			0.1000	9.7		20.0			
Vinyl chloride	+++++ 0.3134	0.3072 0.3027	0.2697 0.2917	0.3054	0.3266	Ave		0.3024			0.1000	5.9		20.0			
Butadiene	0.2761 0.2695	0.2142 0.2673	0.2306 0.2615	0.2731	0.2937	Ave		0.2608				9.9		20.0			
Bromomethane	+++++ 0.2352	0.2437 0.2077	0.2119 0.1887	0.2473	0.2566	Ave		0.2273			0.1000	10.9		20.0			
Chloroethane	+++++ 0.1751	0.1814 0.1616	0.1596 0.1547	0.1859	0.1851	Ave		0.1719			0.1000	7.6		20.0			
Dichlorofluoromethane	+++++ 0.5392	0.4957 0.5272	0.4243 0.4990	0.5362	0.5392	Ave		0.5087				8.2		20.0			
Pentane	+++++ 0.0382	0.0242 0.0215	0.0431 0.0219	0.0396	0.0443	QuaF		0.0240	-0.000002						0.9910		0.9900
Trichlorofluoromethane	+++++ 0.3624	0.2320 0.3678	0.3219 0.3578	0.3605	0.3850	Ave		0.3411			0.1000	15.2		20.0			
Ethanol	+++++ 0.2631	+++++ 0.2542	+++++ 0.2817	0.1914	0.2136	Ave		0.2408				15.4		20.0			
Ethyl ether	+++++ 0.1583	0.2140 0.1311	0.1421 0.1289	0.1585	0.1577	Ave		0.1558				18.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Methyl-1,3-butadiene	+++++ 0.2012	0.1418 0.1511	0.1511 0.1500	0.2063	0.2091	Ave		0.1730				17.8		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2636	0.2325 0.2421	0.2047 0.2254	0.2495	0.2718	Ave		0.2414				9.5		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3920	0.3402 0.3635	0.3410 0.3403	0.3906	0.4028	Ave		0.3672				7.5		20.0			
Acrolein	+++++ 0.0412	0.0425 0.0439	0.0391 0.0435	0.0415	0.0429	Ave		0.0421				3.9		20.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2422	0.1983 0.2049	0.1954 0.2127	0.2283	0.2662	Ave		0.2211			0.1000	11.7		20.0			
1,1-Dichloroethene	+++++ 0.2490	0.2496 0.1904	0.2198 0.1888	0.2651	0.2635	Ave		0.2323			0.1000	14.1		20.0			
Acetone	+++++ 0.6539	1.0879 0.6665	0.7005 0.6319	0.6221	0.6719	QuaF		0.6851	-0.000021		0.0500				1.0000		0.9900
Iodomethane	+++++ 0.5182	0.4366 0.3857	0.4000 0.3713	0.4858	0.5362	Ave		0.4477				14.8		20.0			
Isopropyl alcohol	+++++ 3.0707	+++++ 2.7826	3.6314 2.9939	2.5620	2.9150	Ave		2.9926				12.0		20.0			
Carbon disulfide	+++++ 0.8894	0.7755 +++++	0.6740 +++++	0.8921	0.9433	Ave		0.8348			0.1000	13.0		20.0			
3-Chloro-1-propene	+++++ 0.1765	0.1235 0.1372	0.1340 0.1370	0.1598	0.1744	Ave		0.1489				14.2		20.0			
Methyl acetate	+++++ 0.1669	0.1582 0.1417	0.1385 0.1395	0.1550	0.1647	Ave		0.1520			0.1000	7.9		20.0			
Cyclopentene	+++++ 0.5084	0.4127 0.3262	0.4041 +++++	0.4942	0.5434	Ave		0.4482				18.1		20.0			
Acetonitrile	+++++ 0.3463	0.3313 0.3197	0.3201 0.3398	0.3289	0.3917	Ave		0.3397				7.3		20.0			
Methylene Chloride	+++++ 0.3040	0.2514 0.2474	0.2398 0.2419	0.2888	0.3161	Ave		0.2699			0.1000	11.9		20.0			
2-Methyl-2-propanol	+++++ 6.0681	5.4795 5.4870	4.1095 5.4975	5.2177	5.7968	Ave		5.3794				11.6		20.0			
Methyl tert-butyl ether	+++++ 0.7598	0.7435 0.6734	0.6286 0.6464	0.7248	0.7842	Ave		0.7087			0.1000	8.4		20.0			
trans-1,2-Dichloroethene	+++++ 0.2835	0.3105 0.2143	0.2155 0.2108	0.2786	0.2936	Ave		0.2581			0.1000	16.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Acrylonitrile	0.0863 0.0915	0.0803 0.0805	0.0680 0.0769	0.0856	0.0919	Ave		0.0826				9.6		20.0			
Hexane	+++++ 0.2954	0.2214 +++++	0.2574 +++++	0.2916	0.3363	Ave		0.2804				15.4		20.0			
Isopropyl ether	+++++ 0.8060	0.7622 0.7187	0.6393 0.6920	0.7662	0.8194	Ave		0.7434				8.6		20.0			
1,1-Dichloroethane	+++++ 0.4585	0.3904 0.3920	0.3500 0.3812	0.4275	0.4686	Ave		0.4097			0.2000	10.6		20.0			
Vinyl acetate	+++++ 0.6137	0.4999 0.6022	0.4572 0.5394	0.6167	0.5780	Ave		0.5581				11.0		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2228	0.1778 0.1935	0.1724 0.1896	0.2018	0.2295	Ave		0.1982				10.9		20.0			
Tert-butyl ethyl ether	+++++ 0.7846	0.6533 0.7057	0.5724 0.6811	0.7436	0.8035	Ave		0.7063				11.3		20.0			
2,2-Dichloropropane	+++++ 0.0960	0.0585 0.0840	0.0767 0.0831	0.0966	0.0976	Ave		0.0847				16.6		20.0			
cis-1,2-Dichloroethene	+++++ 0.3081	0.2842 0.2584	0.2452 0.2534	0.2872	0.3163	Ave		0.2790			0.1000	9.9		20.0			
2-Butanone (MEK)	+++++ 0.3013	0.2593 0.2709	0.2259 0.2554	0.2945	0.3047	Ave		0.2731			0.0500	10.6		20.0			
Ethyl acetate	+++++ 0.3111	0.2965 0.2916	0.2205 0.2691	0.3325	0.3089	Ave		0.2901				12.5		20.0			
Methyl acrylate	+++++ 0.2053	0.1818 0.1864	0.1416 0.1781	0.1864	0.2009	Ave		0.1829				11.3		20.0			
Propionitrile	+++++ 10.336	9.7481 9.3477	7.5511 9.3195	9.6334	9.9620	Ave		9.4140				9.5		20.0			
Tetrahydrofuran	+++++ 0.3644	0.1610 0.3324	0.3379 0.3015	0.3627	0.3859	Qua2	-0.205	0.3904	-0.000097						0.9940		0.9900
Chlorobromomethane	+++++ 0.1568	0.1285 0.1344	0.1183 0.1311	0.1537	0.1573	Ave		0.1400				11.2		20.0			
Methacrylonitrile	+++++ 0.1003	0.0888 0.0934	0.0705 0.0859	0.0929	0.1021	Ave		0.0906				11.7		20.0			
Chloroform	+++++ 0.4411	0.3778 0.3831	0.3626 0.3671	0.4221	0.4565	Ave		0.4015			0.2000	9.4		20.0			
Cyclohexane	+++++ 0.3515	0.2426 0.2599	0.2813 0.2691	0.3524	0.3931	Ave		0.3071			0.1000	18.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1,1-Trichloroethane	+++++ 0.3767	0.3184 0.3278	0.2970 0.3210	0.3631	0.3957	Ave		0.3428			0.1000	10.5		20.0			
Carbon tetrachloride	+++++ 0.3278	0.2543 0.2845	0.2534 0.2830	0.3212	0.3460	Ave		0.2958			0.1000	12.4		20.0			
1,1-Dichloropropene	+++++ 0.3287	0.2808 0.2645	0.2584 0.2633	0.3216	0.3394	Ave		0.2938				11.9		20.0			
Isobutyl alcohol	+++++ 2.0632	1.7106 2.0574	1.0954 2.0748	1.4785	1.7643	QuaF		2.0402	0.0000028						1.0000		0.9900
Isooctane	+++++ 0.8258	0.6078 0.7117	0.6634 0.7675	0.7670	0.9145	Ave		0.7511				13.6		20.0			
Benzene	+++++ 1.3530	1.3314 1.1004	1.1078 0.9967	1.2996	1.4121	Ave		1.2287			0.5000	12.8		20.0			
Isopropyl acetate	+++++ 0.1331	0.0691 0.1212	0.0961 0.1194	0.1234	0.1278	Ave		0.1129				20.0		20.0			
Tert-amyl methyl ether	+++++ 0.7986	0.6812 0.7338	0.5333 0.6990	0.7384	0.8090	Ave		0.7133				12.9		20.0			
1,2-Dichloroethane	+++++ 0.2974	0.2730 0.2560	0.2413 0.2524	0.2771	0.3003	Ave		0.2711			0.1000	8.3		20.0			
n-Heptane	+++++ 0.0579	0.0374 0.0391	0.0437 +++++	0.0541	0.0627	Qua2	-0.013	0.0611	-0.000105						0.9940		0.9900
n-Butanol	+++++ 1.2805	0.8196 1.3165	0.7453 1.5099	0.8804	1.0222	QuaF		1.1912	0.0000255						1.0000		0.9900
Trichloroethene	+++++ 0.2623	0.2444 0.2244	0.2073 0.2201	0.2441	0.2715	Ave		0.2392			0.2000	9.7		20.0			
Ethyl acrylate	+++++ 0.0355	0.0180 0.0323	0.0268 0.0339	0.0333	0.0374	QuaF		0.0319	0.0000039						1.0000		0.9900
Methylcyclohexane	+++++ 0.4054	0.2867 0.3166	0.3218 0.3348	0.3937	0.4469	Ave		0.3580			0.1000	16.2		20.0			
1,2-Dichloropropane	+++++ 0.2589	0.2273 0.2317	0.2035 0.2298	0.2373	0.2603	Ave		0.2355			0.1000	8.3		20.0			
Methyl methacrylate	+++++ 0.0642	0.0395 0.0617	0.0460 0.0631	0.0570	0.0643	Ave		0.0565				17.5		20.0			
1,4-Dioxane	+++++ 0.7907	+++++ 0.7951	0.6669 0.8410	0.6998	0.7478	Ave		0.7569				8.6		20.0			
Dibromomethane	+++++ 0.1584	0.1411 0.1402	0.1102 0.1382	0.1513	0.1648	Ave		0.1435				12.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
n-Propyl acetate	+++++ 0.2867	0.2293 0.2739	0.2202 0.2780	0.2590	0.2811	Ave		0.2612				10.1		20.0			
Dichlorobromomethane	+++++ 0.3216	0.2941 0.2988	0.2268 0.2953	0.2988	0.3240	Ave		0.2942			0.2000	11.0		20.0			
2-Nitropropane	+++++ 0.0439	0.0862 0.0454	0.0570 0.0477	0.0432	0.0447	Lin2	0.0394	0.0434							0.9900		0.9900
2-Chloroethyl vinyl ether	+++++ 0.1494	0.1250 0.1412	0.1199 0.1465	0.1331	0.1519	Ave		0.1381				9.0		20.0			
Epichlorohydrin	0.2179 0.2407	0.2556 0.2337	0.1758 0.2131	0.2304	0.2422	Ave		0.2262				10.8		20.0			
cis-1,3-Dichloropropene	+++++ 0.5383	0.4153 0.4840	0.3820 0.4649	0.4825	0.5473	Ave		0.4735			0.2000	12.7		20.0			
4-Methyl-2-pentanone (MIBK)	+++++ 1.0810	0.9195 1.0628	0.7397 0.9590	0.9368	1.0835	Ave		0.9689			0.0500	12.7		20.0			
Toluene	+++++ 1.3980	1.7126 1.1885	1.3304 1.0699	1.3750	1.4619	Ave		1.3623			0.4000	15.0		20.0			
trans-1,3-Dichloropropene	+++++ 0.4534	0.3680 0.4259	0.3228 0.4107	0.4182	0.4654	Ave		0.4092			0.1000	12.1		20.0			
Ethyl methacrylate	+++++ 0.3961	0.3219 0.3800	0.2518 0.3670	0.3271	0.3794	Ave		0.3462				14.5		20.0			
1,1,2-Trichloroethane	+++++ 0.2506	0.2569 0.2272	0.1835 0.2216	0.2326	0.2532	Ave		0.2322			0.1000	11.0		20.0			
Tetrachloroethene	+++++ 0.3686	0.3560 0.3149	0.2710 0.2989	0.3566	0.3780	Ave		0.3348			0.2000	12.0		20.0			
1,3-Dichloropropane	+++++ 0.4704	0.3800 0.4306	0.3687 0.4123	0.4332	0.4847	Ave		0.4257				10.1		20.0			
2-Hexanone	+++++ 1.5113	1.1059 1.4073	0.9458 1.3013	1.3250	1.4828	Ave		1.2971			0.0500	15.8		20.0			
n-Butyl acetate	+++++ 0.4280	0.3650 0.4069	0.2948 0.3974	0.3709	0.4139	Ave		0.3824				11.7		20.0			
Chlorodibromomethane	+++++ 0.3361	0.2737 0.3184	0.2414 0.3097	0.2960	0.3372	Ave		0.3018			0.1000	11.5		20.0			
Ethylene Dibromide	+++++ 0.2957	0.2762 0.2678	0.2188 0.2582	0.2808	0.2974	Ave		0.2707			0.1000	9.9		20.0			
Chlorobenzene	+++++ 0.9368	0.9317 0.8351	0.7109 0.7853	0.8840	0.9685	Ave		0.8646			0.5000	10.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethylbenzene	+++++ 0.4981	0.4743 0.4516	0.3471 0.4280	0.4673	0.5132	Ave		0.4542			0.1000	12.1		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3553	0.2924 0.3345	0.2454 0.3183	0.3140	0.3642	Ave		0.3177				12.7		20.0			
m-Xylene & p-Xylene	+++++ 0.6107	0.5586 0.5499	0.4609 0.5219	0.5602	0.6258	Ave		0.5554			0.1000	9.9		20.0			
n-Butyl acrylate	+++++ 0.2493	0.1933 0.2484	0.1706 0.2409	0.1953	0.2279	Ave		0.2179				14.4		20.0			
o-Xylene	+++++ 0.6403	0.5460 0.5770	0.4608 0.5339	0.5723	0.6396	Ave		0.5671			0.3000	11.1		20.0			
Styrene	+++++ 0.9776	0.7965 0.8956	0.6352 0.8315	0.8383	0.9750	Ave		0.8500			0.3000	13.9		20.0			
Amyl acetate (mixed isomers)	+++++ 0.9407	0.7181 0.9065	0.5993 0.8795	0.7641	0.9072	Ave		0.8165				15.4		20.0			
Bromoform	+++++ 0.2331	0.2231 0.2232	0.1801 0.2137	0.2043	0.2233	Ave		0.2144			0.1000	8.2		20.0			
Isopropylbenzene	+++++ 1.5771	1.3037 1.4121	1.1202 1.2252	1.4544	1.6328	Ave		1.3893			0.1000	13.3		20.0			
Bromobenzene	+++++ 0.7264	0.5812 0.6745	0.6057 0.6502	0.6771	0.7697	Ave		0.6693				9.8		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.6679	0.5761 0.6218	0.4788 0.6045	0.6459	0.7026	Ave		0.6139			0.3000	11.8		20.0			
N-Propylbenzene	+++++ 3.1851	2.9612 2.8216	2.4192 2.4282	3.0665	3.4343	Ave		2.9023				13.0		20.0			
1,2,3-Trichloropropane	+++++ 0.1851	0.1618 0.1700	0.1260 0.1656	0.1931	0.1942	Ave		0.1708				13.9		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1545	0.1068 0.1430	0.1339 0.1439	0.1386	0.1571	Ave		0.1397				11.9		20.0			
2-Chlorotoluene	+++++ 2.1465	2.0087 1.9654	1.6518 1.7987	2.0547	2.3044	Ave		1.9900				10.8		20.0			
4-Ethyltoluene	+++++ 2.7022	2.4691 2.4648	1.9722 2.1731	2.6157	2.8611	Ave		2.4655				12.4		20.0			
1,3,5-Trimethylbenzene	+++++ 2.2881	1.8692 2.1384	1.5727 1.8906	2.1315	2.4482	Ave		2.0484				14.3		20.0			
4-Chlorotoluene	+++++ 1.9467	1.8832 1.7768	1.6305 1.6056	1.9036	2.0597	Ave		1.8294				9.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Butyl Methacrylate	+++++ 0.8011	0.4667 0.7949	0.4547 0.7771	0.6254	0.7559	QuaF		0.8050	-0.000056						1.0000		0.9900
tert-Butylbenzene	+++++ 1.9953	1.6877 1.8841	1.4438 1.6895	1.8231	2.0879	Ave		1.8016				12.0		20.0			
1,2,4-Trimethylbenzene	+++++ 2.4043	2.0522 2.2013	1.7478 1.9117	2.2541	2.5905	Ave		2.1660				13.3		20.0			
sec-Butylbenzene	+++++ 3.0034	2.7180 2.7735	2.1834 2.3230	2.8523	3.2529	Ave		2.7295				13.6		20.0			
1,3-Dichlorobenzene	+++++ 1.4013	1.3326 1.2877	1.0377 1.1665	1.3833	1.4641	Ave		1.2962			0.6000	11.4		20.0			
4-Isopropyltoluene	+++++ 2.6627	2.1663 2.4668	1.7780 2.0460	2.4583	2.8264	Ave		2.3435				15.6		20.0			
1,4-Dichlorobenzene	+++++ 1.4421	1.2709 1.2999	1.1158 1.1904	1.3512	1.4850	Ave		1.3079			0.5000	10.0		20.0			
1,2,3-Trimethylbenzene	+++++ 2.5598	2.3291 2.4106	1.9355 2.0339	2.4455	2.7500	Ave		2.3521				12.1		20.0			
Benzyl chloride	+++++ 1.3290	1.2439 1.2617	0.9372 1.1848	1.1440	1.3100	Ave		1.2015				11.1		20.0			
Indan	+++++ 2.5112	2.3322 2.2718	1.7914 1.9306	2.3223	2.6571	Ave		2.2595				13.5		20.0			
p-Diethylbenzene	+++++ 1.6976	1.4964 1.5790	1.3124 1.3634	1.5727	1.8230	Ave		1.5492				11.5		20.0			
n-Butylbenzene	+++++ 1.3598	1.2195 1.2352	1.0101 1.0958	1.3021	1.4558	Ave		1.2398				12.3		20.0			
1,2-Dichlorobenzene	+++++ 1.4088	1.3222 1.2794	1.1006 1.1653	1.3468	1.4931	Ave		1.3023			0.4000	10.4		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.6915	2.5018 2.5016	1.9097 1.9612	2.4157	2.8620	Ave		2.4062				14.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1688	0.1696 0.1601	0.1019 0.1550	0.1459	0.1682	Ave		0.1528			0.0500	15.7		20.0			
1,3,5-Trichlorobenzene	+++++ 1.2540	1.2102 1.1748	0.9281 0.9860	1.1869	1.3460	Ave		1.1551				12.8		20.0			
1,2,4-Trichlorobenzene	+++++ 1.2221	1.1589 1.0943	0.8953 0.9116	1.1450	1.2907	Ave		1.1026			0.2000	13.6		20.0			
Hexachlorobutadiene	+++++ 0.5034	0.4107 0.4879	0.3580 0.4236	0.4740	0.5513	Ave		0.4584				14.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Naphthalene	+++++ 2.8450	2.5609 2.5044	2.1430 1.9669	2.6385	3.0101	Ave		2.5241				14.6		20.0			
1,2,3-Trichlorobenzene	+++++ 1.1940	1.1117 1.0762	0.9159 0.8715	1.1445	1.2800	Ave		1.0848				13.5		20.0			
Dibromofluoromethane (Surr)	0.2648 0.2592	0.2550 0.2559	0.2602 0.2595	0.2546	0.2614	Ave		0.2588				1.3		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2507 0.2527	0.2495 0.2567	0.2548 0.2794	0.2498	0.2472	Ave		0.2551				4.0		20.0			
Toluene-d8 (Surr)	1.2712 1.2699	1.2790 1.2650	1.2758 1.2255	1.2638	1.2846	Ave		1.2669				1.4		20.0			
4-Bromofluorobenzene	0.4168 0.4298	0.4207 0.4117	0.4175 0.4084	0.4093	0.4132	Ave		0.4159				1.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Ave	+++++ 46464	278 +++++	756 +++++	4072	18859	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
Dichlorodifluoromethane	FB	Ave	+++++ 139871	866 611097	2882 1626794	14714	60656	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodifluoromethane	FB	Ave	+++++ 22145	140 67892	405 166857	2218	8639	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloromethane	FB	Ave	+++++ 147330	1743 565549	2911 1461213	14036	59896	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Vinyl chloride	FB	Ave	+++++ 144612	1365 553336	2539 1417109	13659	57585	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butadiene	FB	Ave	592 124350	952 488734	2171 1270256	12216	51775	0.250 50.0	0.500 200	1.00 500	5.00	20.0
Bromomethane	FB	Ave	+++++ 108512	1083 379629	1995 916672	11061	45244	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chloroethane	FB	Ave	+++++ 80805	806 295478	1503 751547	8317	32626	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorofluoromethane	FB	Ave	+++++ 248768	2203 963780	3995 2424191	23981	95057	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Pentane	FB	QuaF	+++++ 35292	215 78458	812 213021	3539	15628	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Trichlorofluoromethane	FB	Ave	+++++ 167212	1031 672411	3031 1738008	16126	67878	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethanol	TBAd9	Ave	+++++ 14457	+++++ 56891	+++++ 166665	1014	4633	+++++ 2000	+++++ 8000	+++++ 20000	200	800
Ethyl ether	FB	Ave	+++++ 73042	951 239634	1338 626249	7090	27805	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-1,3-butadiene	FB	Ave	+++++ 92836	630 276244	1423 728670	9229	36869	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 121624	1033 442542	1927 1094745	11159	47927	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 180842	1512 664551	3211 1653091	17472	71013	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrolein	FB	Ave	+++++ 37977	755 80267	1471 168967	7426	15134	+++++ 100	2.00 200	4.00 400	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 111747	881 374495	1840 1033141	10209	46929	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethene	FB	Ave	+++++ 114860	1109 348050	2069 917283	11859	46450	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acetone	BUT	QuaF	+++++ 126850	1926 500140	2716 1362613	11300	48000	+++++ 250	2.50 1000	5.00 2500	25.0	100
Iodomethane	FB	Ave	+++++ 239077	1940 705143	3766 1803569	21727	94538	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropyl alcohol	TBAd9	Ave	+++++ 42181	+++++ 155666	1033 442852	3393	15808	+++++ 500	+++++ 2000	10.0 5000	50.0	200
Carbon disulfide	FB	Ave	+++++ 410317	3446 +++++	6346 +++++	39901	166302	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
3-Chloro-1-propene	FB	Ave	+++++ 81443	549 250765	1262 665613	7147	30741	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl acetate	FB	Ave	+++++ 153987	1406 517898	2608 1354862	13865	58061	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Cyclopentene	FB	Ave	+++++ 234567	1834 596281	3805 +++++	22102	95808	+++++ 50.0	0.500 200	1.00 +++++	5.00	20.0
Acetonitrile	BUT	Ave	+++++ 134369	1173 479813	2482 1465432	11950	55973	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methylene Chloride	FB	Ave	+++++ 140238	1117 452249	2258 1175111	12919	55721	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 83354	706 306956	1169 813188	6910	31436	+++++ 500	5.00 2000	10.0 5000	50.0	200
Methyl tert-butyl ether	FB	Ave	+++++ 350561	3304 1230945	5918 3140233	32419	138251	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 130812	1380 391711	2029 1023918	12461	51758	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Acrylonitrile	FB	Ave	1481 421926	3570 1471562	6398 3737347	38302	161965	2.00 500	5.00 2000	10.0 5000	50.0	200
Hexane	FB	Ave	+++++ 136281	984 +++++	2423 +++++	13042	59288	+++++ 50.0	0.500 +++++	1.00 +++++	5.00	20.0
Isopropyl ether	FB	Ave	+++++ 371844	3387 1313793	6019 3361532	34270	144466	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloroethane	FB	Ave	+++++ 211542	1735 716635	3295 1851554	19122	82610	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Vinyl acetate	BUT	Ave	+++++ 47623	354 180738	709 465249	4481	16518	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloro-1,3-butadiene	FB	Ave	+++++ 102771	790 353756	1623 920940	9028	40460	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-butyl ethyl ether	FB	Ave	+++++ 362003	2903 1290138	5389 3308686	33259	141667	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2,2-Dichloropropane	FB	Ave	+++++ 44273	260 153596	722 403870	4321	17214	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 142145	1263 472322	2309 1230827	12847	55768	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Butanone (MEK)	BUT	Ave	+++++ 58455	459 203256	876 550717	5350	21768	+++++ 250	2.50 1000	5.00 2500	25.0	100
Ethyl acetate	BUT	Ave	+++++ 24139	210 87529	342 232153	2416	8829	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Methyl acrylate	FB	Ave	+++++ 94719	808 340684	1333 865043	8336	35420	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Propionitrile	TBAd9	Ave	+++++ 141983	1256 522931	2148 1378534	12758	54024	+++++ 500	5.00 2000	10.0 5000	50.0	200
Tetrahydrofuran	BUT	Qua2	+++++ 28281	114 99759	524 260050	2635	11029	+++++ 100	1.00 400	2.00 1000	10.0	40.0
Chlorobromomethane	FB	Ave	+++++ 72322	571 245610	1114 636746	6876	27740	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methacrylonitrile	FB	Ave	+++++ 462967	3948 1707711	6636 4175220	41562	180036	+++++ 500	5.00 2000	10.0 5000	50.0	200
Chloroform	FB	Ave	+++++ 203531	1679 700258	3414 1783050	18881	80479	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Cyclohexane	FB	Ave	+++++ 162169	1078 475103	2648 1307444	15760	69310	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1-Trichloroethane	FB	Ave	+++++ 173815	1415 599272	2796 1559346	16240	69766	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Carbon tetrachloride	FB	Ave	+++++ 151239	1130 520175	2386 1374506	14367	61007	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1-Dichloropropene	FB	Ave	+++++ 151668	1248 483615	2433 1278904	14382	59837	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isobutyl alcohol	TBAd9	QuaF	+++++ 70853	551 287733	779 767266	4895	23919	+++++ 1250	12.5 5000	25.0 12500	125	500
Isooctane	FB	Ave	+++++ 380995	2701 1301086	6246 3728460	34306	161234	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzene	CBNZd5	Ave	+++++ 475542	4421 1548231	7787 3876945	44163	188420	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Isopropyl acetate	FB	Ave	+++++ 61421	307 221513	905 580135	5519	22529	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tert-amyl methyl ether	FB	Ave	+++++ 368459	3027 1341368	5021 3395461	33028	142623	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloroethane	FB	Ave	+++++ 137231	1213 467958	2272 1226041	12393	52940	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Heptane	FB	Qua2	+++++ 26698	166 71513	411 +++++	2418	11059	+++++ 50.0	0.500 200	1.00 +++++	5.00	20.0
n-Butanol	TBAd9	QuaF	+++++ 43974	264 184126	530 558374	2915	13859	+++++ 1250	12.5 5000	25.0 12500	125	500
Trichloroethene	FB	Ave	+++++ 120996	1086 410192	1952 1069212	10919	47873	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl acrylate	FB	QuaF	+++++ 16392	80 59025	252 164613	1488	6593	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methylcyclohexane	FB	Ave	+++++ 187047	1274 578696	3030 1626295	17607	78789	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichloropropane	FB	Ave	+++++ 119454	1010 423617	1916 1116173	10613	45885	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Methyl methacrylate	FB	Ave	+++++ 59256	351 225478	867 612794	5101	22669	+++++ 100	1.00 400	2.00 1000	10.0	40.0
1,4-Dioxane	DXE	Ave	+++++ 17131	+++++ 60320	679 172984	1378	6152	+++++ 1000	+++++ 4000	50.0 10000	100	400
Dibromomethane	FB	Ave	+++++ 73096	627 256273	1038 671423	6766	29063	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Propyl acetate	FB	Ave	+++++ 132261	1019 500757	2073 1350227	11583	49567	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dichlorobromomethane	FB	Ave	+++++ 148381	1307 546147	2135 1434524	13364	57128	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Nitropropane	FB	Lin2	+++++ 40526	766 165938	1073 463756	3866	15760	+++++ 100	1.00 400	2.00 1000	10.0	40.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 69080	557 258725	1132 713492	5966	26838	+++++ 50.1	0.501 200	1.00 501	5.01	20.0
Epichlorohydrin	BUT	Ave	713 186818	1810 701274	2727 1838413	16739	69217	5.00 1000	10.0 4000	20.0 10000	100	400
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 189200	1379 680989	2685 1808237	16398	73024	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Methyl-2-pentanone (MIBK)	BUT	Ave	+++++ 209719	1628 797431	2868 2067886	17017	77410	+++++ 250	2.50 1000	5.00 2500	25.0	100
Toluene	CBNZd5	Ave	+++++	5687	9352	46725	195060	+++++	0.500	1.00	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
			491351	1672129	4161775			50.0	200	500		
trans-1,3-Dichloropropene	CBNZd5	Ave	+++++ 159352	1222 599275	2269 1597356	14210	62100	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethyl methacrylate	CBNZd5	Ave	+++++ 139205	1069 534670	1770 1427663	11116	50628	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2-Trichloroethane	CBNZd5	Ave	+++++ 88078	853 319603	1290 861774	7904	33788	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Tetrachloroethene	CBNZd5	Ave	+++++ 129555	1182 442993	1905 1162773	12117	50436	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichloropropane	CBNZd5	Ave	+++++ 165331	1262 605812	2592 1603553	14722	64668	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Hexanone	BUT	Ave	+++++ 293195	1958 1055996	3667 2806164	24069	105938	+++++ 250	2.50 1000	5.00 2500	25.0	100
n-Butyl acetate	CBNZd5	Ave	+++++ 150433	1212 572488	2072 1545960	12604	55224	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorodibromomethane	CBNZd5	Ave	+++++ 118134	909 447929	1697 1204603	10059	44992	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylene Dibromide	CBNZd5	Ave	+++++ 103927	917 376804	1538 1004434	9543	39681	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Chlorobenzene	CBNZd5	Ave	+++++ 329254	3094 1175018	4997 3054491	30041	129225	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Ethylbenzene	CBNZd5	Ave	+++++ 175066	1575 635435	2440 1664781	15879	68476	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,1,2-Tetrachloroethane	CBNZd5	Ave	+++++ 124892	971 470565	1725 1238196	10672	48599	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
m-Xylene & p-Xylene	CBNZd5	Ave	+++++ 214625	1855 773722	3240 2029866	19036	83498	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butyl acrylate	CBNZd5	Ave	+++++ 87631	642 349436	1199 936897	6637	30404	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
o-Xylene	CBNZd5	Ave	+++++ 225046	1813 811798	3239 2076651	19448	85338	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Styrene	CBNZd5	Ave	+++++ 343590	2645 1260119	4465 3234116	28489	130099	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Amyl acetate (mixed isomers)	DCBd4	Ave	+++++ 193968	1385 728187	2417 1906916	14690	68015	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromoform	CBNZd5	Ave	+++++ 81935	741 314012	1266 831076	6941	29799	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Isopropylbenzene	CBNZd5	Ave	+++++ 554290	4329 1986706	7874 4765685	49426	217862	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Bromobenzene	DCBd4	Ave	+++++ 149777	1121 541869	2443 1409751	13018	57705	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,1,2,2-Tetrachloroethane	DCBd4	Ave	+++++ 137709	1111 499458	1931 1310599	12417	52679	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
N-Propylbenzene	DCBd4	Ave	+++++ 656751	5711 2266651	9757 5264436	58953	257485	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichloropropane	DCBd4	Ave	+++++ 38173	312 136574	508 359102	3713	14562	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
trans-1,4-Dichloro-2-butene	DCBd4	Ave	+++++ 31867	206 114911	540 311901	2664	11779	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
2-Chlorotoluene	DCBd4	Ave	+++++ 442595	3874 1578813	6662 3899632	39501	172773	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Ethyltoluene	DCBd4	Ave	+++++ 557180	4762 1979994	7954 4711415	50286	214511	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trimethylbenzene	DCBd4	Ave	+++++ 471789	3605 1717824	6343 4098955	40977	183551	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
4-Chlorotoluene	DCBd4	Ave	+++++ 401390	3632 1427278	6576 3481054	36597	154422	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Butyl Methacrylate	DCBd4	QuaF	+++++ 165188	900 638546	1834 1684754	12023	56671	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
tert-Butylbenzene	DCBd4	Ave	+++++ 411412	3255 1513504	5823 3662919	35048	156540	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trimethylbenzene	DCBd4	Ave	+++++ 495742	3958 1768355	7049 4144709	43334	194223	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
sec-Butylbenzene	DCBd4	Ave	+++++ 619285	5242 2228013	8806 5036320	54834	243886	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3-Dichlorobenzene	DCBd4	Ave	+++++ 288936	2570 1034420	4185 2529062	26594	109770	+++++ 50.0	0.500 200	1.00 500	5.00	20.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Isopropyltoluene	DCBd4	Ave	+++++ 549028	4178 1981578	7171 4435804	47261	211909	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,4-Dichlorobenzene	DCBd4	Ave	+++++ 297344	2451 1044224	4500 2580959	25977	111336	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trimethylbenzene	DCBd4	Ave	+++++ 527813	4492 1936472	7806 4409674	47015	206181	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Benzyl chloride	DCBd4	Ave	+++++ 274027	2399 1013526	3780 2568786	21994	98213	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Indan	DCBd4	Ave	+++++ 517796	4498 1824929	7225 4185687	44645	199214	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
p-Diethylbenzene	DCBd4	Ave	+++++ 350024	2886 1268413	5293 2955959	30234	136676	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
n-Butylbenzene	DCBd4	Ave	+++++ 280387	2352 992209	4074 2375756	25033	109145	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dichlorobenzene	DCBd4	Ave	+++++ 290480	2550 1027752	4439 2526417	25892	111941	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4,5-Tetramethylbenzene	DCBd4	Ave	+++++ 554976	4825 2009575	7702 4252085	46442	214573	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2-Dibromo-3-Chloropropane	DCBd4	Ave	+++++ 34811	327 128611	411 336144	2805	12610	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,3,5-Trichlorobenzene	DCBd4	Ave	+++++ 258565	2334 943742	3743 2137622	22817	100918	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,4-Trichlorobenzene	DCBd4	Ave	+++++ 251987	2235 879024	3611 1976309	22013	96772	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Hexachlorobutadiene	DCBd4	Ave	+++++ 103797	792 391942	1444 918395	9112	41330	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Naphthalene	DCBd4	Ave	+++++ 586621	4939 2011783	8643 4264441	50725	225679	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
1,2,3-Trichlorobenzene	DCBd4	Ave	+++++ 246195	2144 864504	3694 1889494	22003	95965	+++++ 50.0	0.500 200	1.00 500	5.00	20.0
Dibromofluoromethane (Surr)	FB	Ave	113551 119602	113318 116950	122502 126044	113888	115212	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	107517 116573	110870 117313	119935 135746	111750	108970	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZd5	Ave	401550 446329	424720 444941	448420 476693	429462	428516	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0
4-Bromofluorobenzene	CBNZd5	Ave	131655 151064	139700 144824	146738 158839	139097	137847	50.0 50.0	50.0 50.0	50.0 50.0	50.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 | GC Column: DB-624 | ID: 0.18(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 | Calibration End Date: 02/22/2024 09:41 | Calibration ID: 96104

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 960584

SDG No.:

Instrument ID: CVOAMS17 GC Column: DB-624 ID: 0.18(mm) Heated Purge: (Y/N) N

Calibration Start Date: 02/22/2024 07:23 Calibration End Date: 02/22/2024 09:41 Calibration ID: 96104

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD8 460-960584/3	TT76645.D
Level 2	STD05 460-960584/4	TT76646.D
Level 3	STD1 460-960584/5	TT76647.D
Level 4	STD5 460-960584/6	TT76648.D
Level 5	STD20 460-960584/7	TT76649.D
Level 6	STD50 460-960584/8	TT76650.D
Level 7	STD200 460-960584/9	TT76651.D
Level 8	STD500 460-960584/10	TT76652.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3	LVL 4	LVL 5	LVL 6
2-Nitropropane	+++++	7.9						30				

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 22-Feb-2024 07:23:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD8
Misc. Info.: 460-0172593-003
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:27:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:08:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 Butadiene	54	1.653	1.659	-0.006	44	592	0.2500	0.2647	
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	25391	1000.0	1000.0	
35 Acrylonitrile	53	3.213	3.207	0.006	82	1481	2.00	2.09	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	163610	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	97	113551	50.0	51.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	107517	50.0	49.1	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	428861	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	17883	1000.0	1000.0	
80 Epichlorohydrin	57	6.414	6.408	0.006	93	713	5.00	4.82	a
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	401550	50.0	50.2	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	83	315884	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	93	131655	50.0	50.1	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	183059	50.0	50.0	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added:	0.00	Units: uL	
ACROLEIN W_00165	Amount Added:	0.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	0.00	Units: uL	
14DIOXINTER_00166	Amount Added:	0.00	Units: uL	
GASES Li_00572	Amount Added:	2.50	Units: uL	
V7FreonSS_00001	Amount Added:	0.00	Units: uL	
	Amount Added:	2.00	Units: uL	
Ethanol mix_00086	Amount Added:	0.00	Units: uL	
MIX I Hi_00173	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00145	Amount Added:	0.00	Units: uL	
GAS Hi_00463	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00122	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:27:41 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D

Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17

Lims ID: STD8

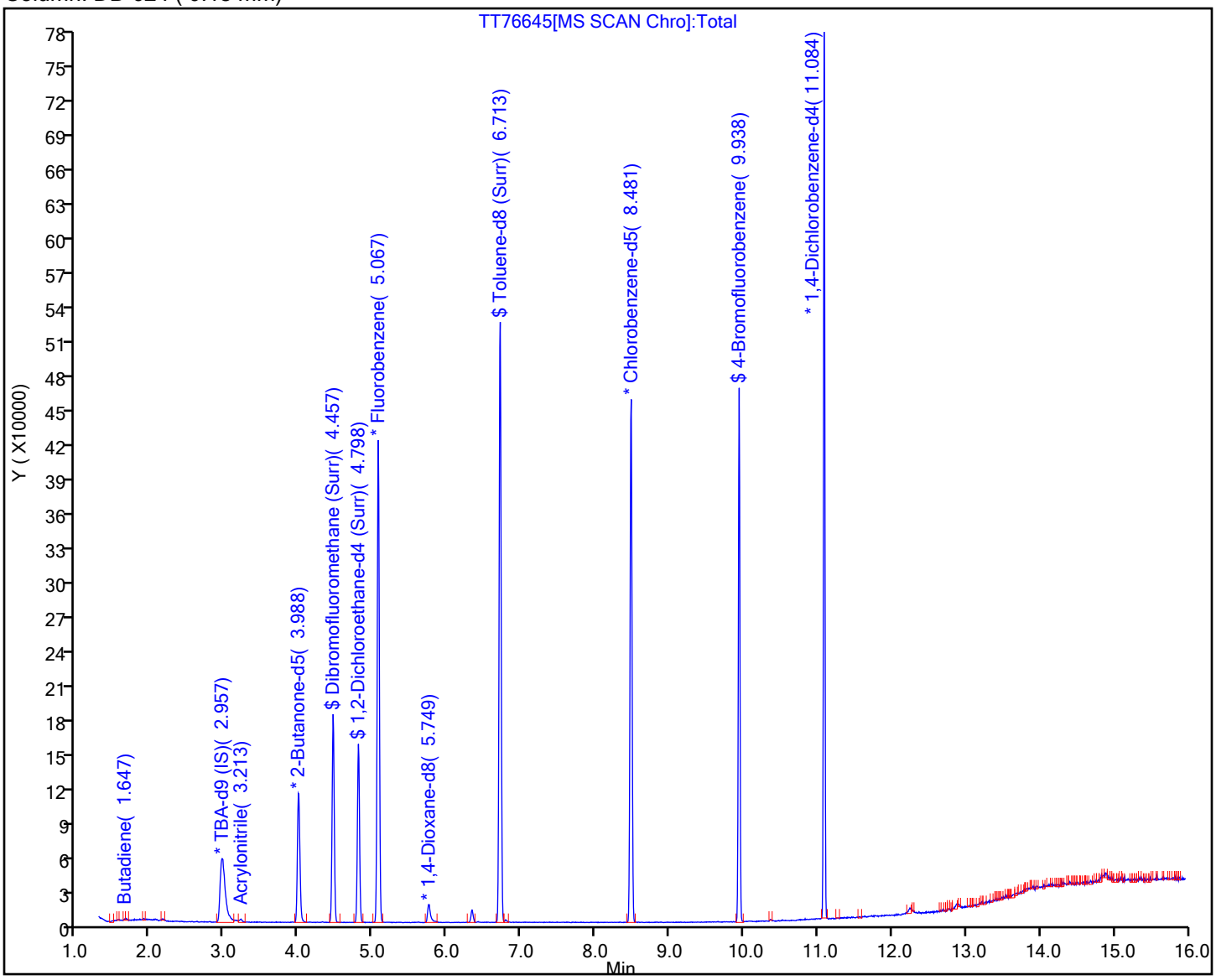
Client ID:

Operator ID: ALS Bottle#: 2 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

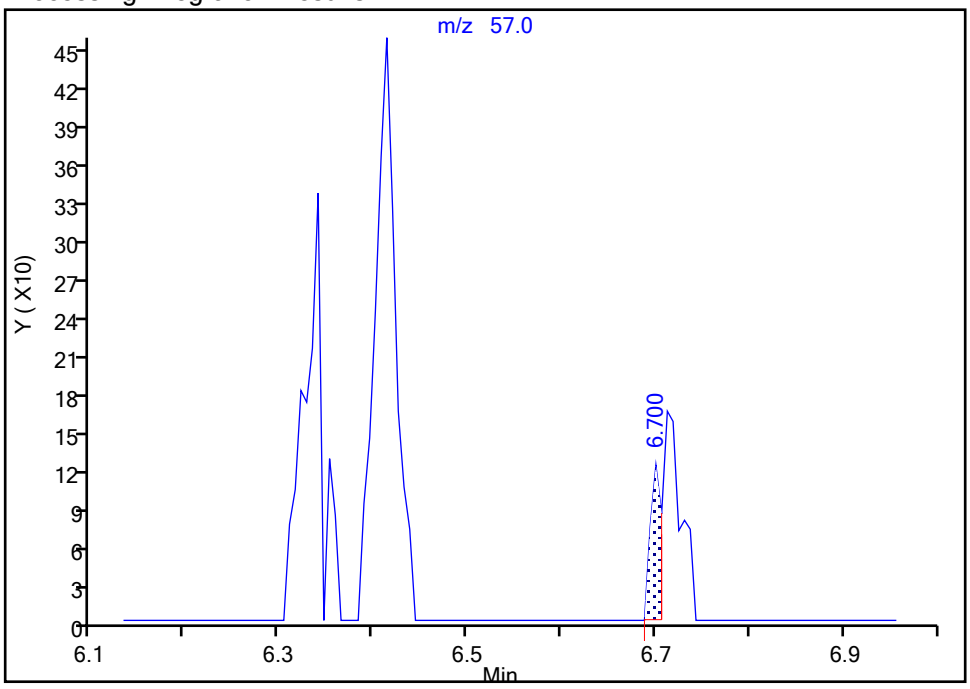
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

80 Epichlorohydrin, CAS: 106-89-8

Signal: 1

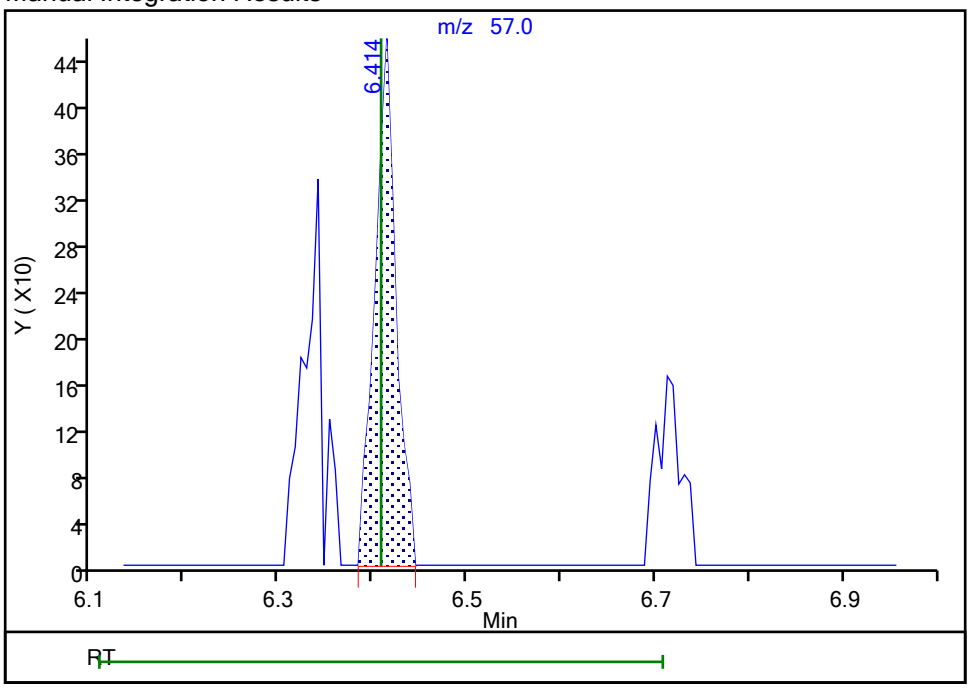
Processing Integration Results

RT: 6.70
Area: 101
Amount: 0.692293
Amount Units: ug/l



Manual Integration Results

RT: 6.41
Area: 713
Amount: 4.816900
Amount Units: ug/l



Reviewer: FK2C, 22-Feb-2024 09:08:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

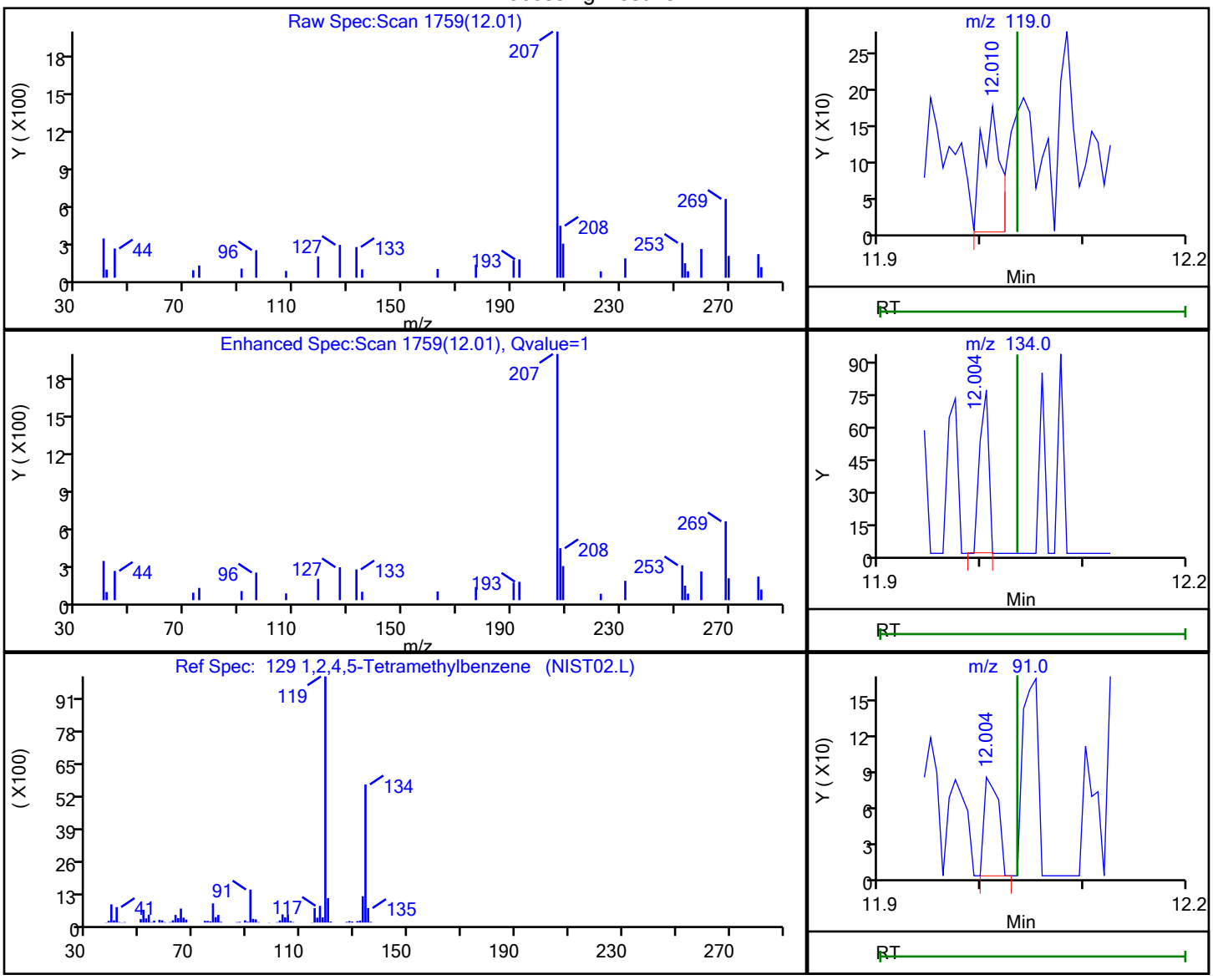
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

129 1,2,4,5-Tetramethylbenzene, CAS: 95-93-2

Processing Results



RT	Mass	Response	Amount
12.01	119.00	210	0.023679
12.00	134.00	48	
12.00	91.00	80	

Reviewer: FK2C, 22-Feb-2024 09:08:10 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

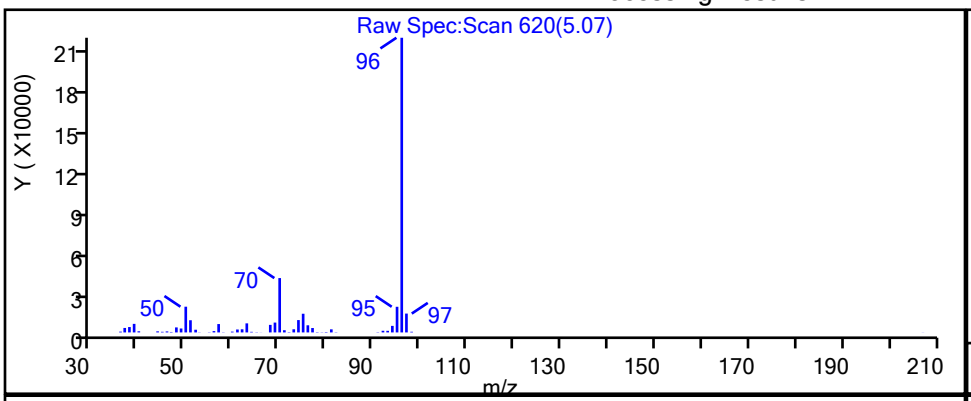
User Disabled Compound Report

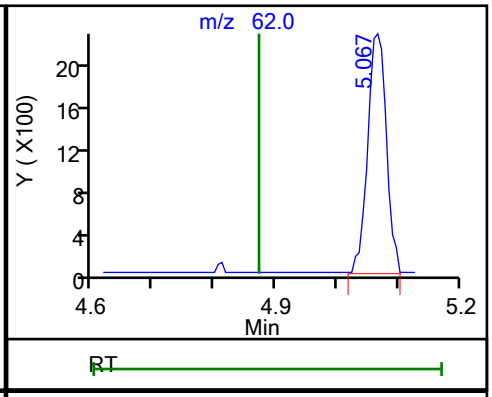
Eurofins Edison

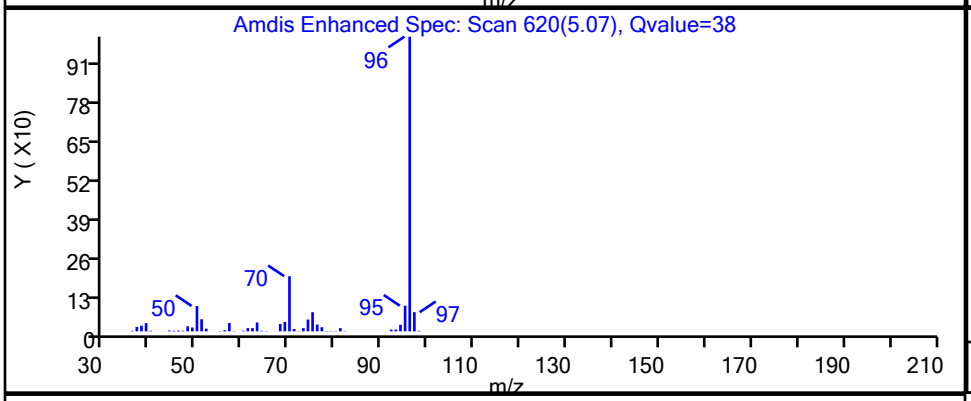
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

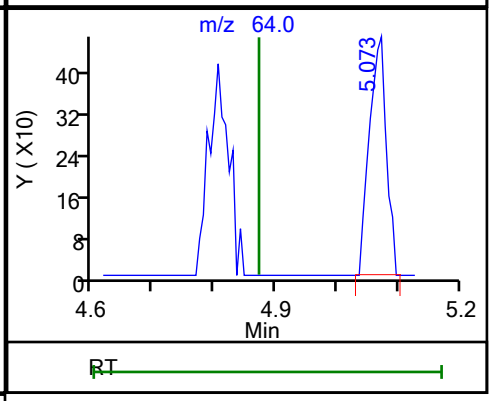
64 1,2-Dichloroethane, CAS: 107-06-2

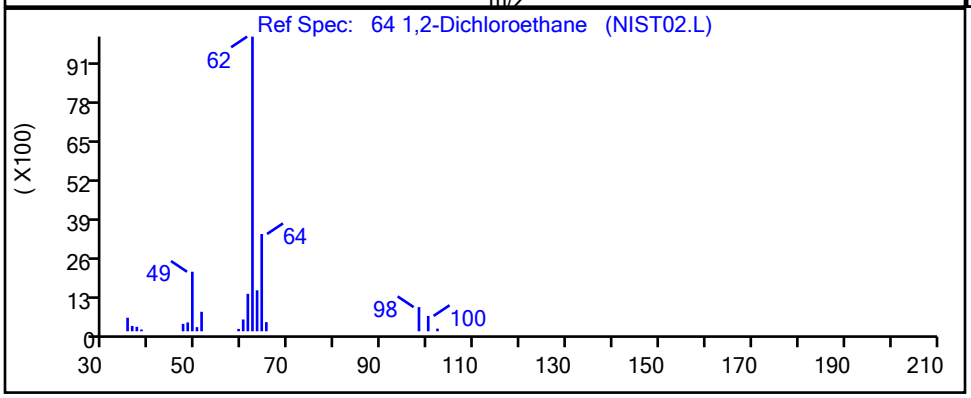
Processing Results











RT	Mass	Response	Amount
5.07	62.00	4863	2.077493
5.07	64.00	903	

Reviewer: FK2C, 22-Feb-2024 09:07:55 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

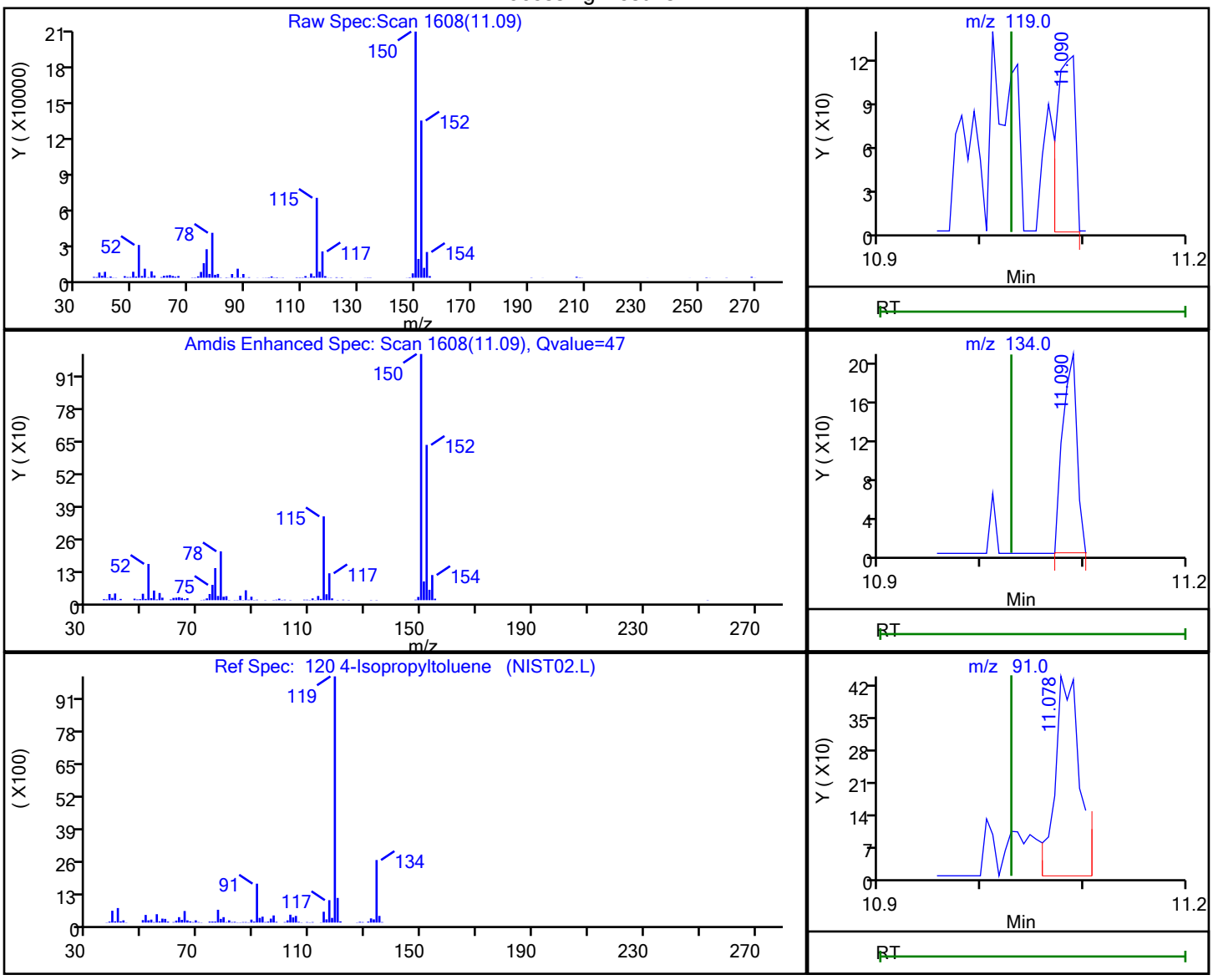
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

120 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
11.09	119.00	153	0.018112
11.09	134.00	204	
11.08	91.00	693	

Reviewer: FK2C, 22-Feb-2024 09:08:08 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

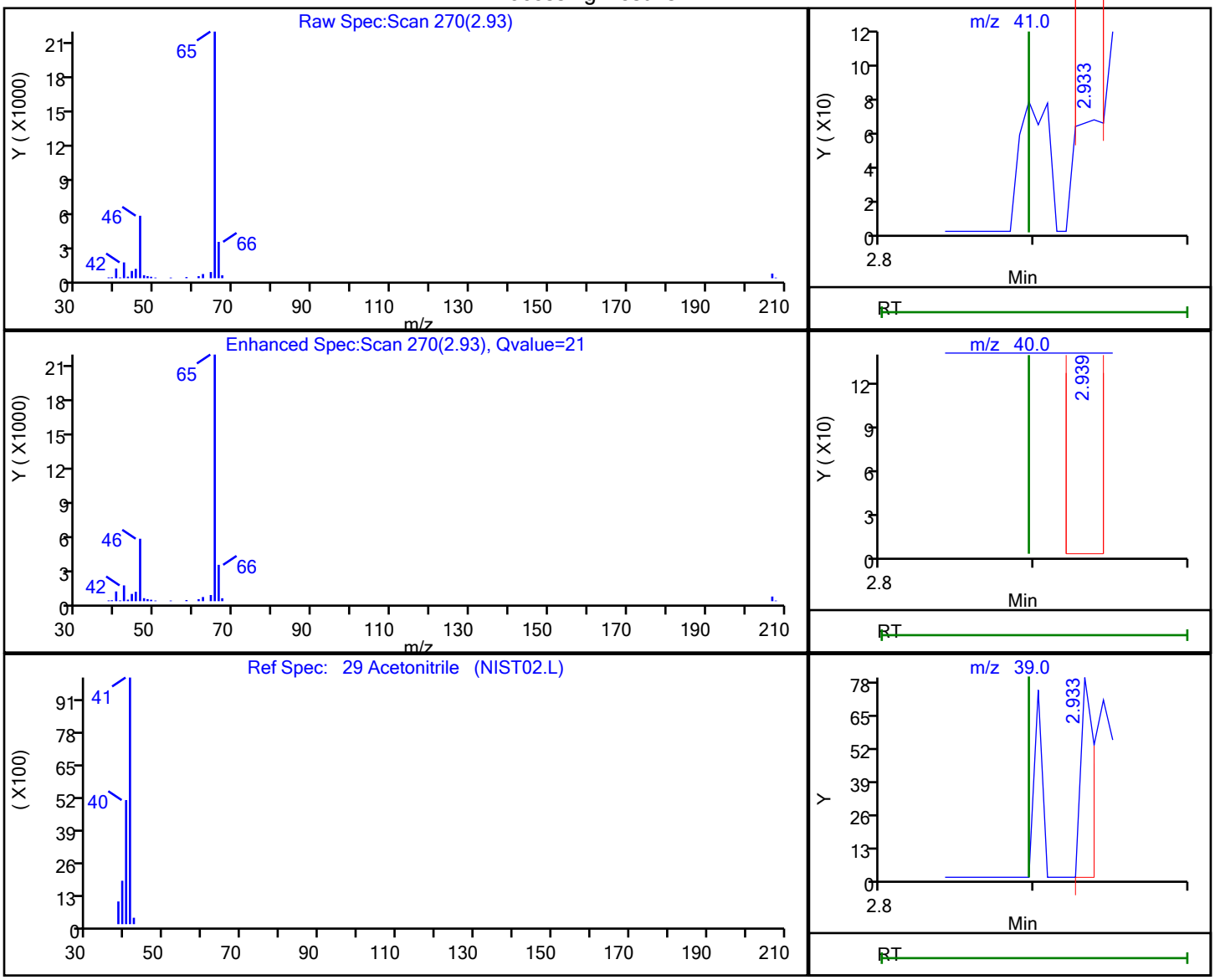
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
2.93	41.00	626	12.264937
2.94	40.00	95	
2.93	39.00	49	
2.94	38.00	145	

Reviewer: FK2C, 22-Feb-2024 09:07:48 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

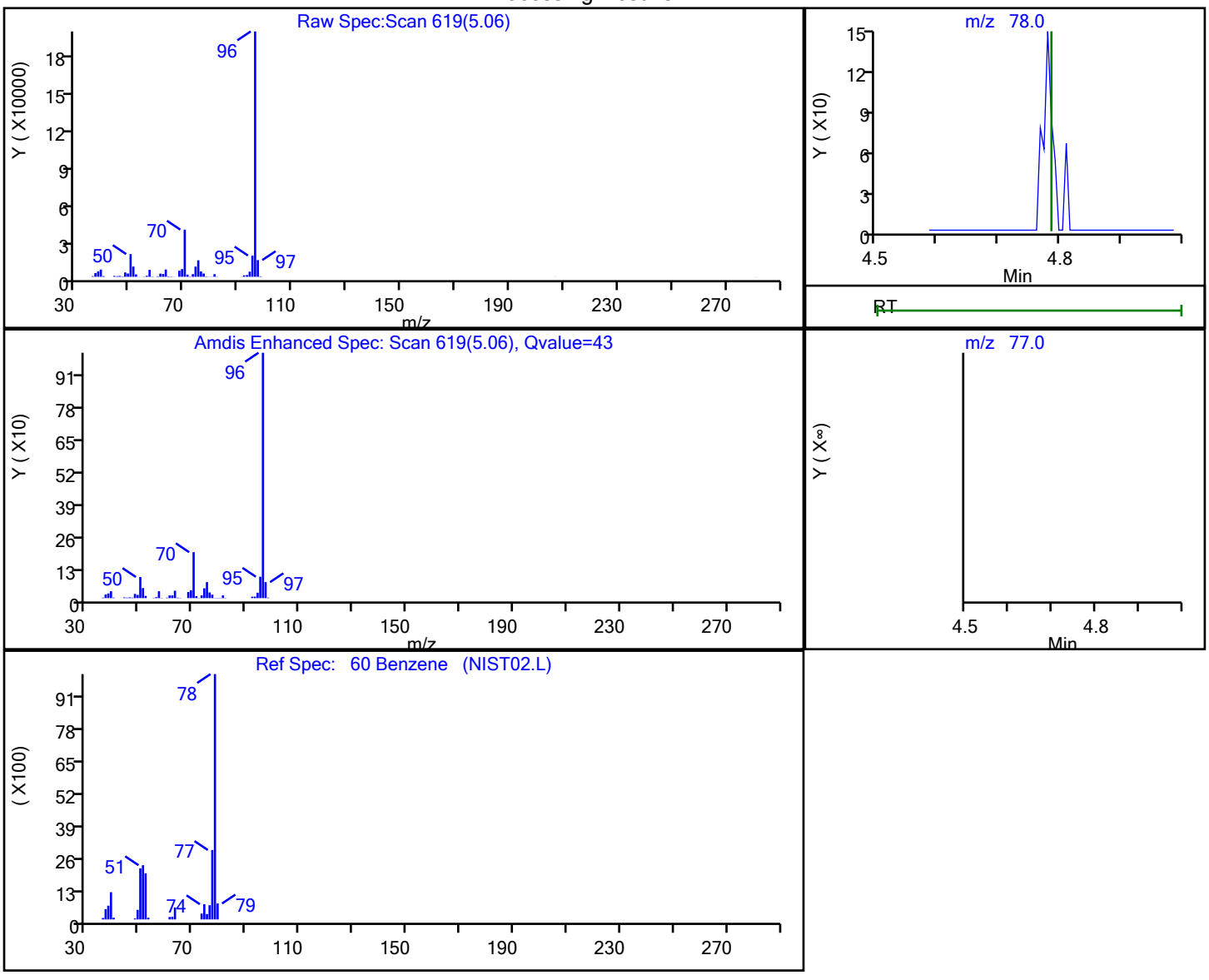
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

60 Benzene, CAS: 71-43-2

Processing Results



RT	Mass	Response	Amount
5.06	78.00	586	0.072031
5.07	77.00	6455	

Reviewer: FK2C, 22-Feb-2024 09:07:53 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

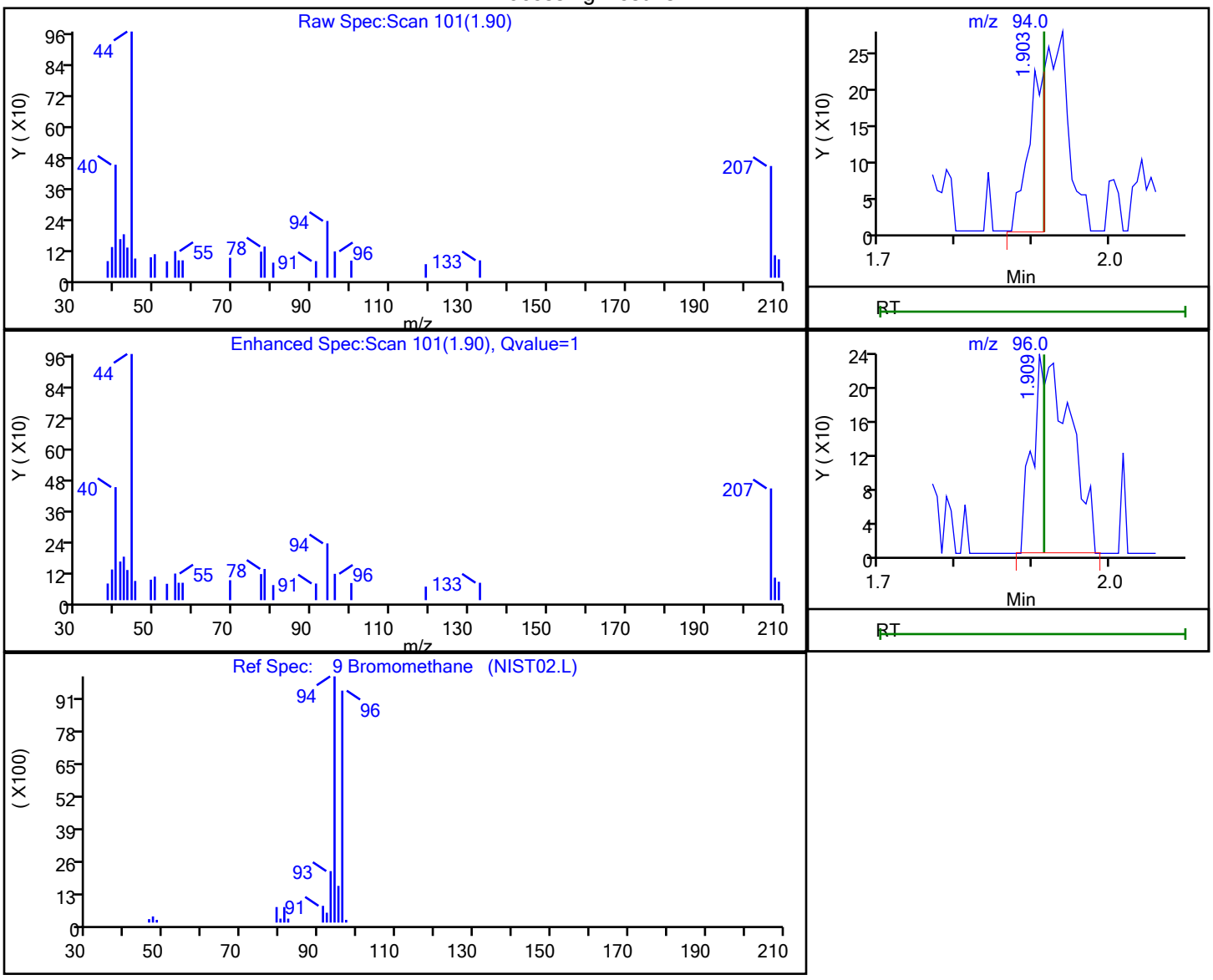
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
1.90	94.00	349	0.181278
1.91	96.00	810	

Reviewer: FK2C, 22-Feb-2024 09:07:44 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

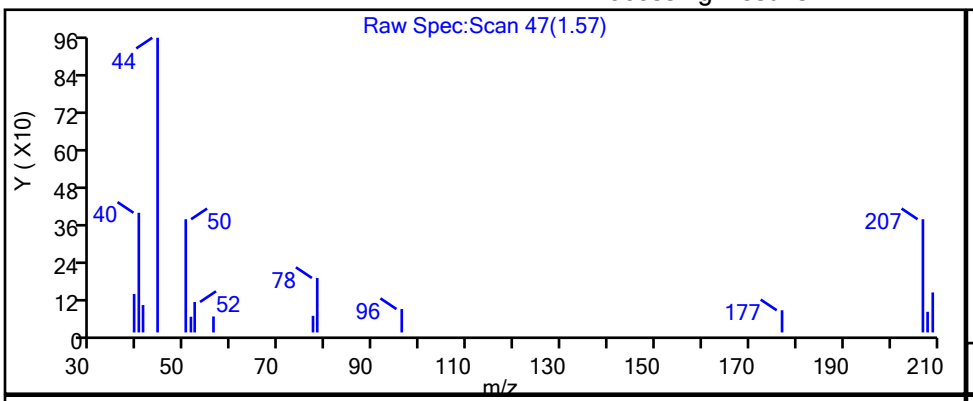
User Disabled Compound Report

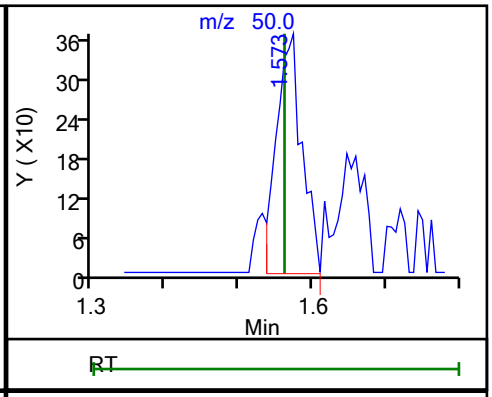
Eurofins Edison

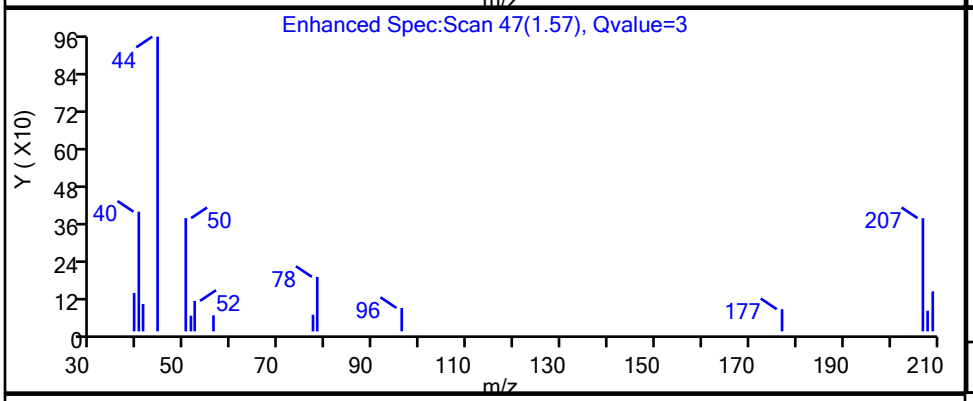
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

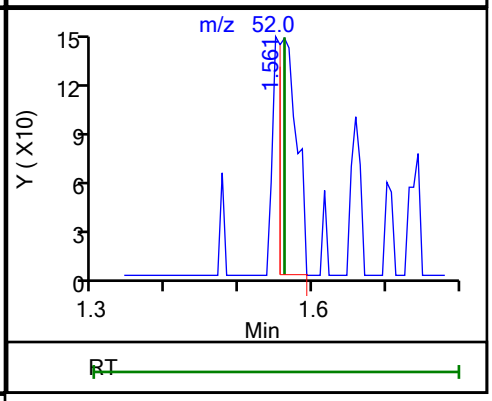
6 Chloromethane, CAS: 74-87-3

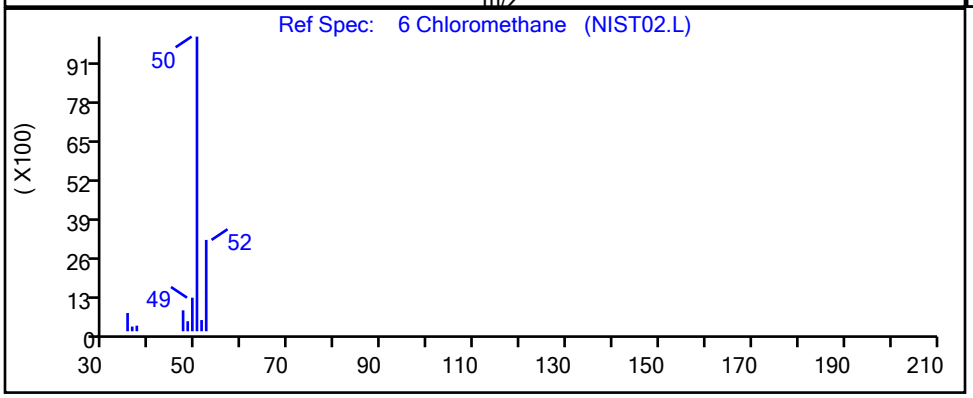
Processing Results











RT	Mass	Response	Amount
1.57	50.00	889	0.292862
1.56	52.00	252	

Reviewer: FK2C, 22-Feb-2024 09:07:41 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

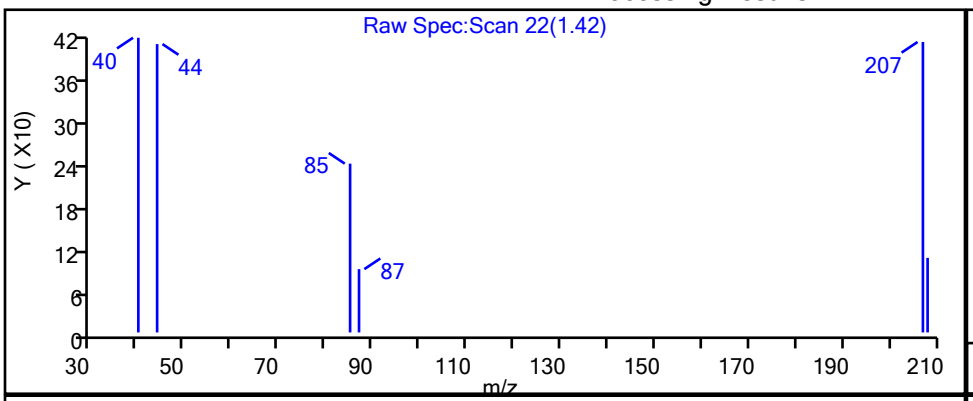
User Disabled Compound Report

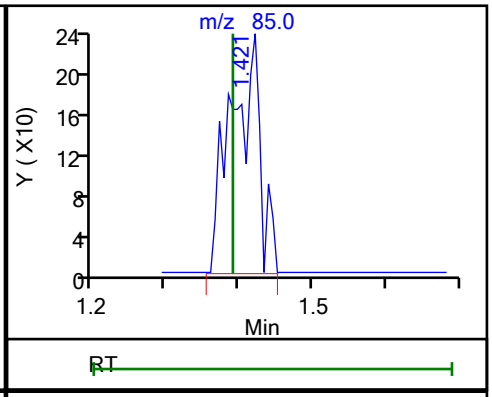
Eurofins Edison

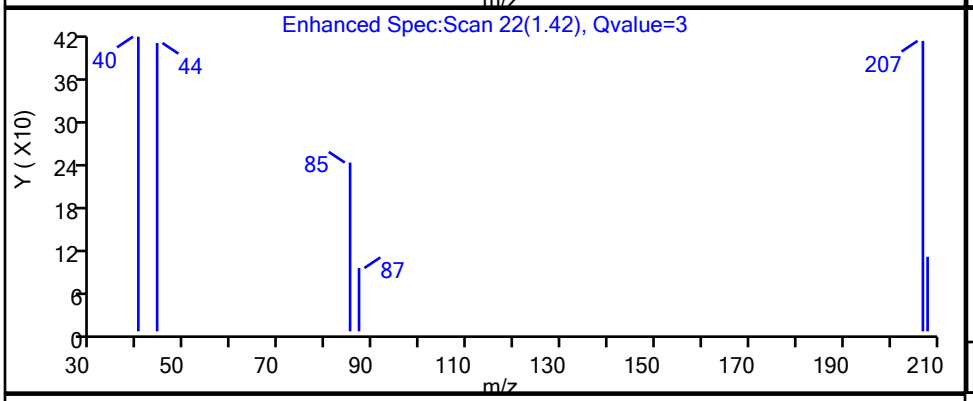
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

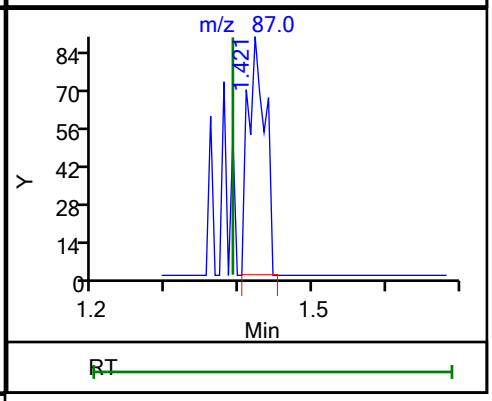
4 Dichlorodifluoromethane, CAS: 75-71-8

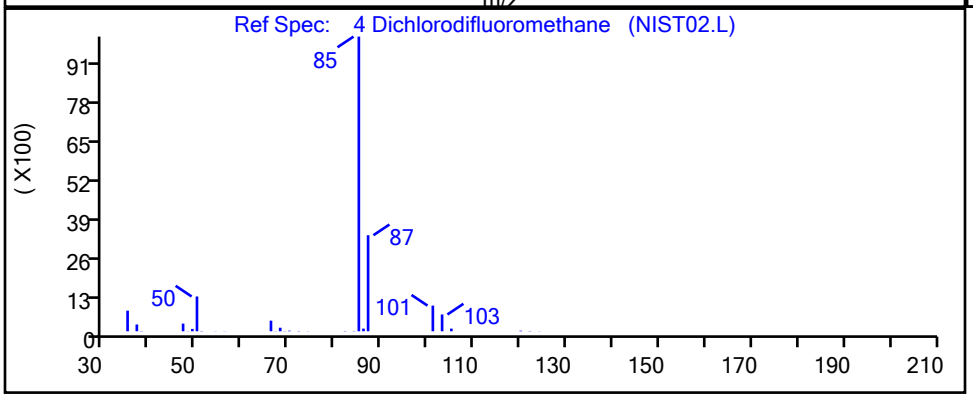
Processing Results











RT	Mass	Response	Amount
1.42	85.00	664	0.260890
1.42	87.00	147	

Reviewer: FK2C, 22-Feb-2024 09:07:40 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

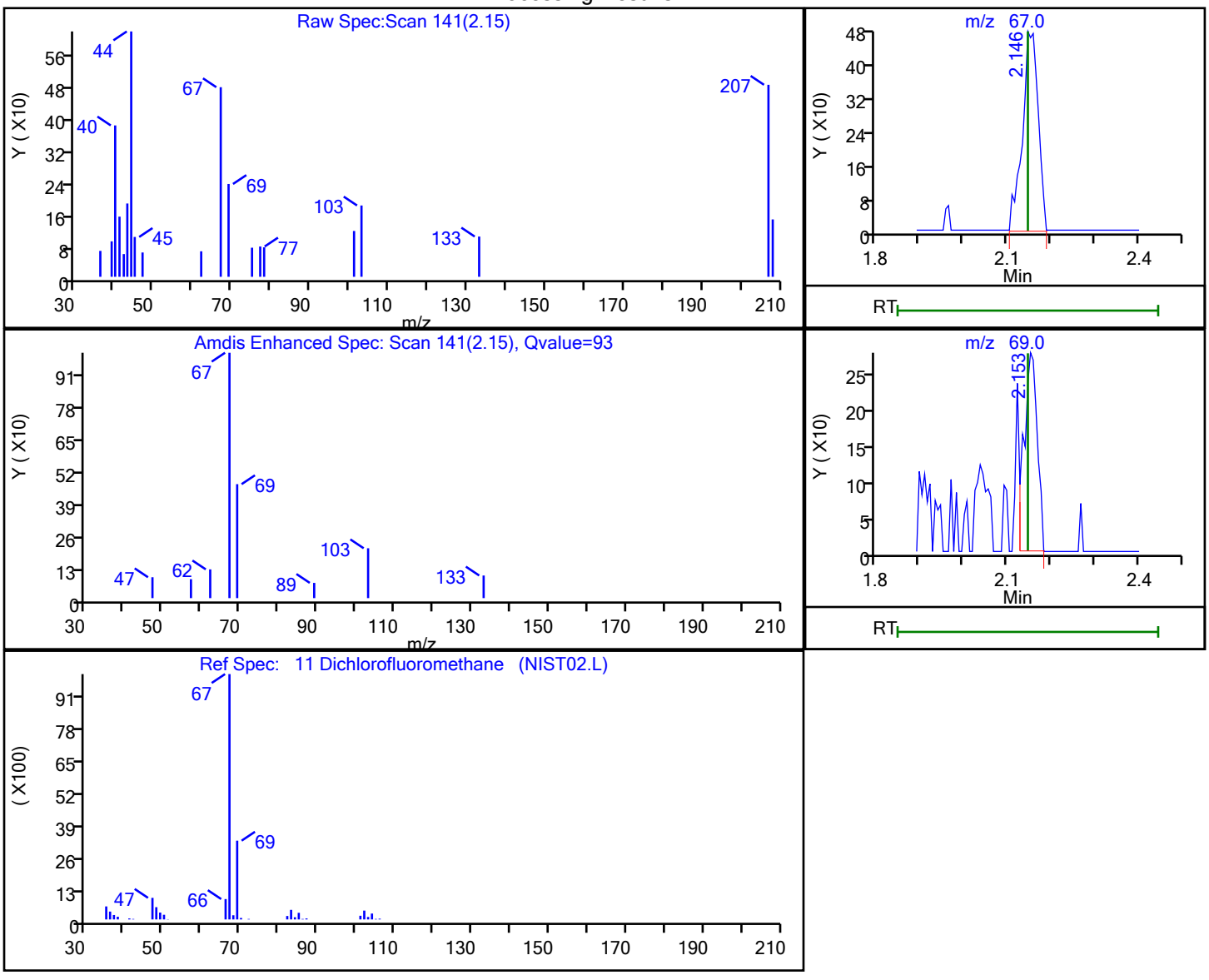
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

11 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.15	67.00	1201	0.273964
2.15	69.00	575	

Reviewer: FK2C, 22-Feb-2024 09:07:44 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

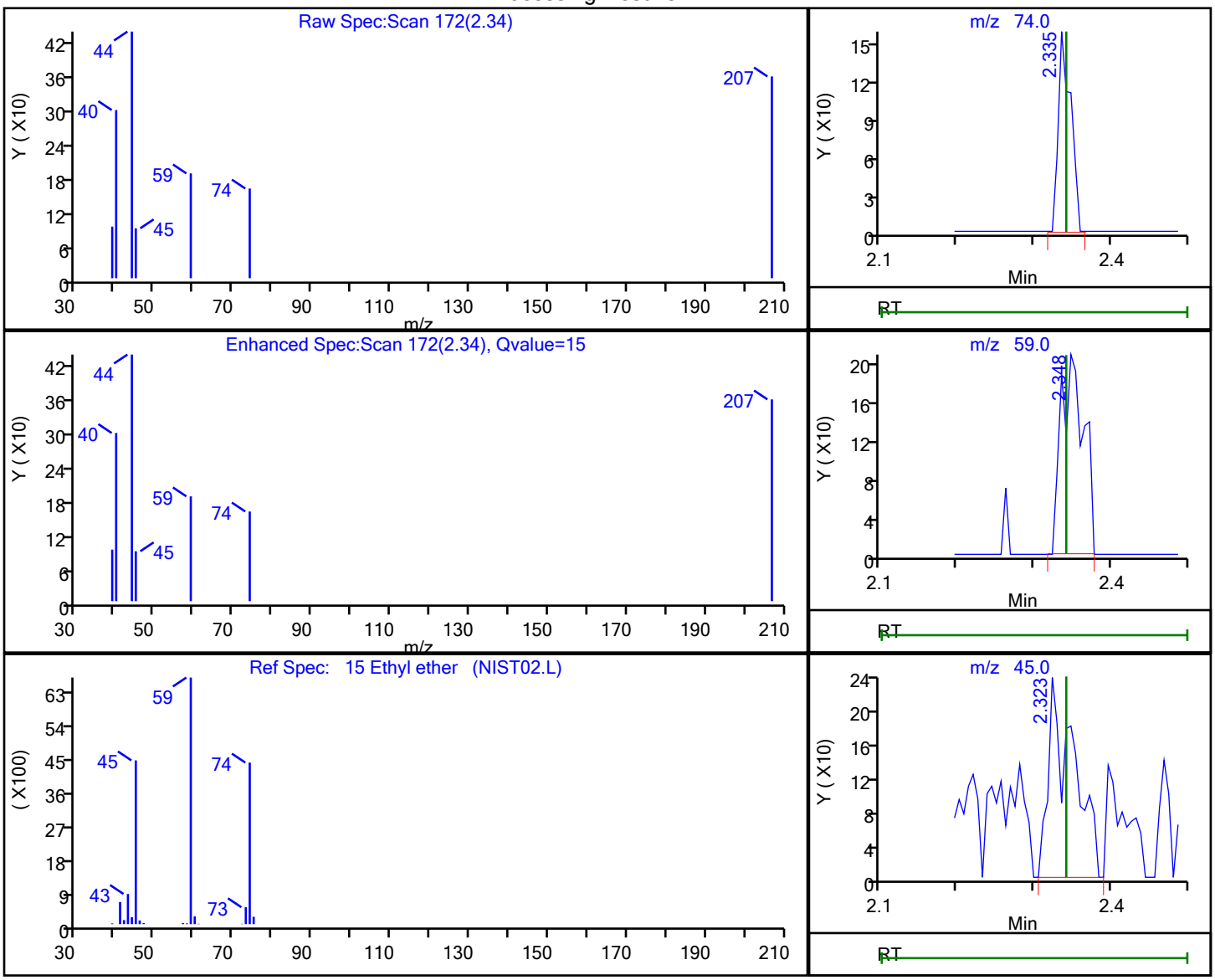
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

15 Ethyl ether, CAS: 60-29-7

Processing Results



RT	Mass	Response	Amount
2.34	74.00	181	0.125545
2.35	59.00	431	
2.32	45.00	555	

Reviewer: FK2C, 22-Feb-2024 09:07:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

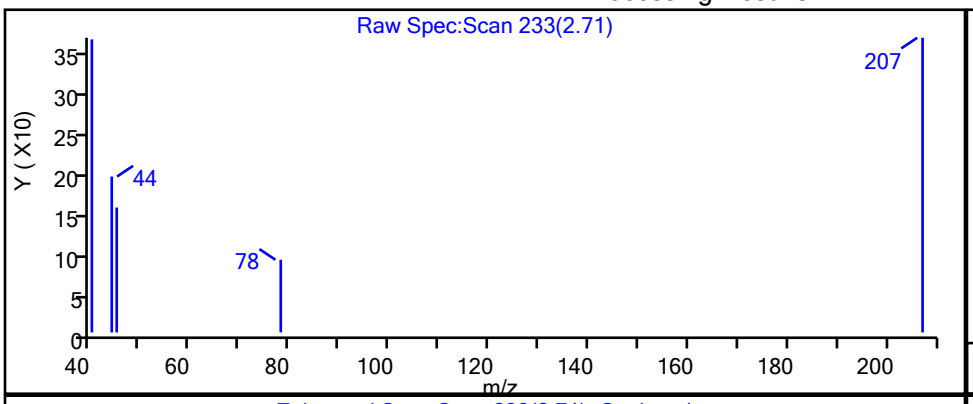
User Disabled Compound Report

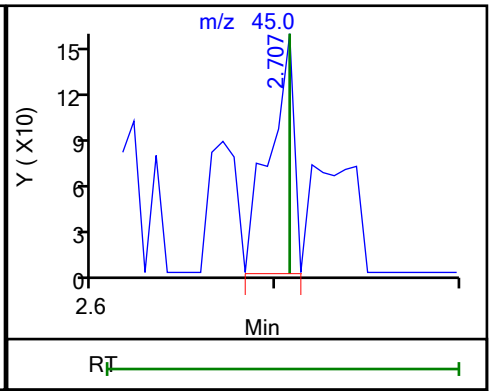
Eurofins Edison

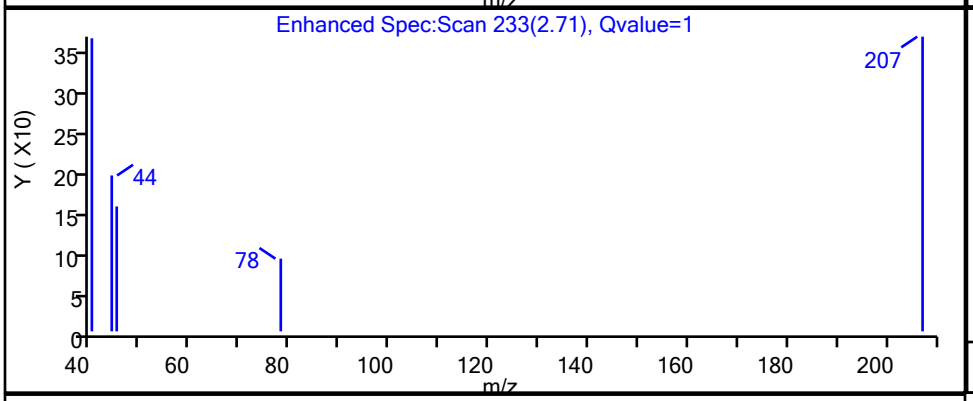
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

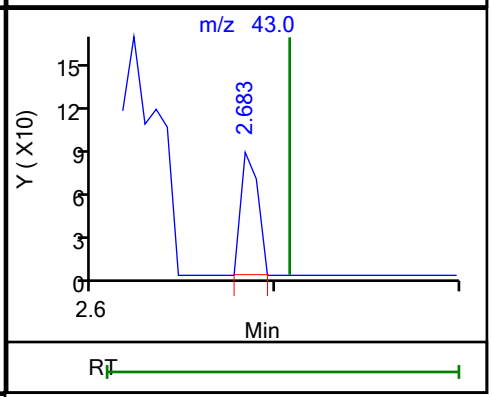
25 Isopropyl alcohol, CAS: 67-63-0

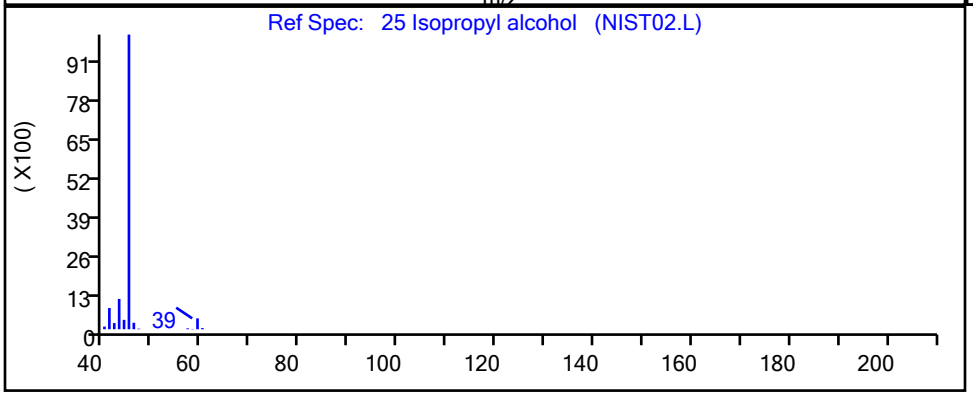
Processing Results











RT	Mass	Response	Amount
2.71	45.00	140	1.629343
2.68	43.00	54	

Reviewer: FK2C, 22-Feb-2024 09:07:46 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

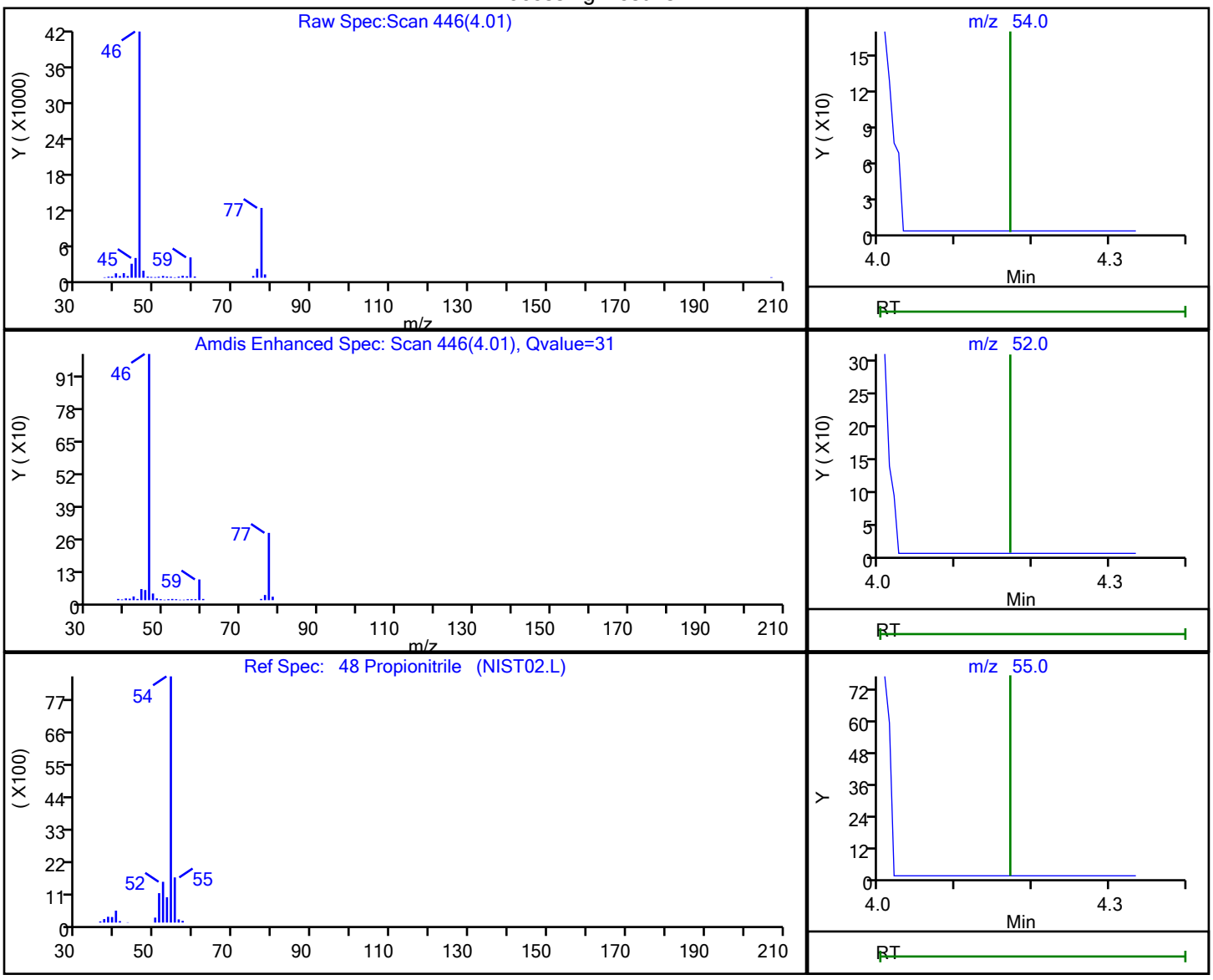
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.01	54.00	364	1.595152
3.99	52.00	766	
4.00	55.00	243	

Reviewer: FK2C, 22-Feb-2024 09:07:51 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

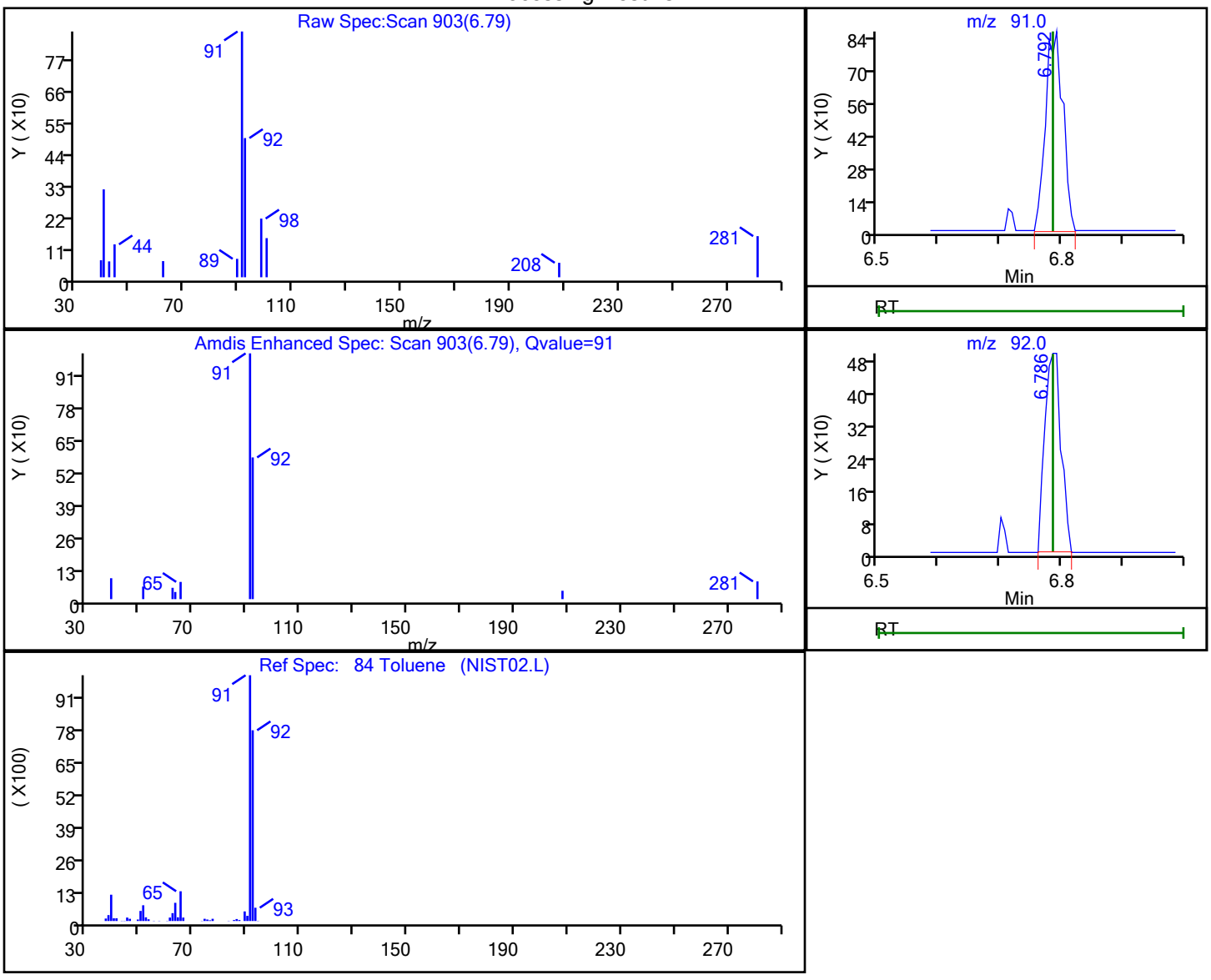
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

84 Toluene, CAS: 108-88-3

Processing Results



RT	Mass	Response	Amount
6.79	91.00	1712	0.184347
6.79	92.00	913	

Reviewer: FK2C, 22-Feb-2024 09:08:03 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

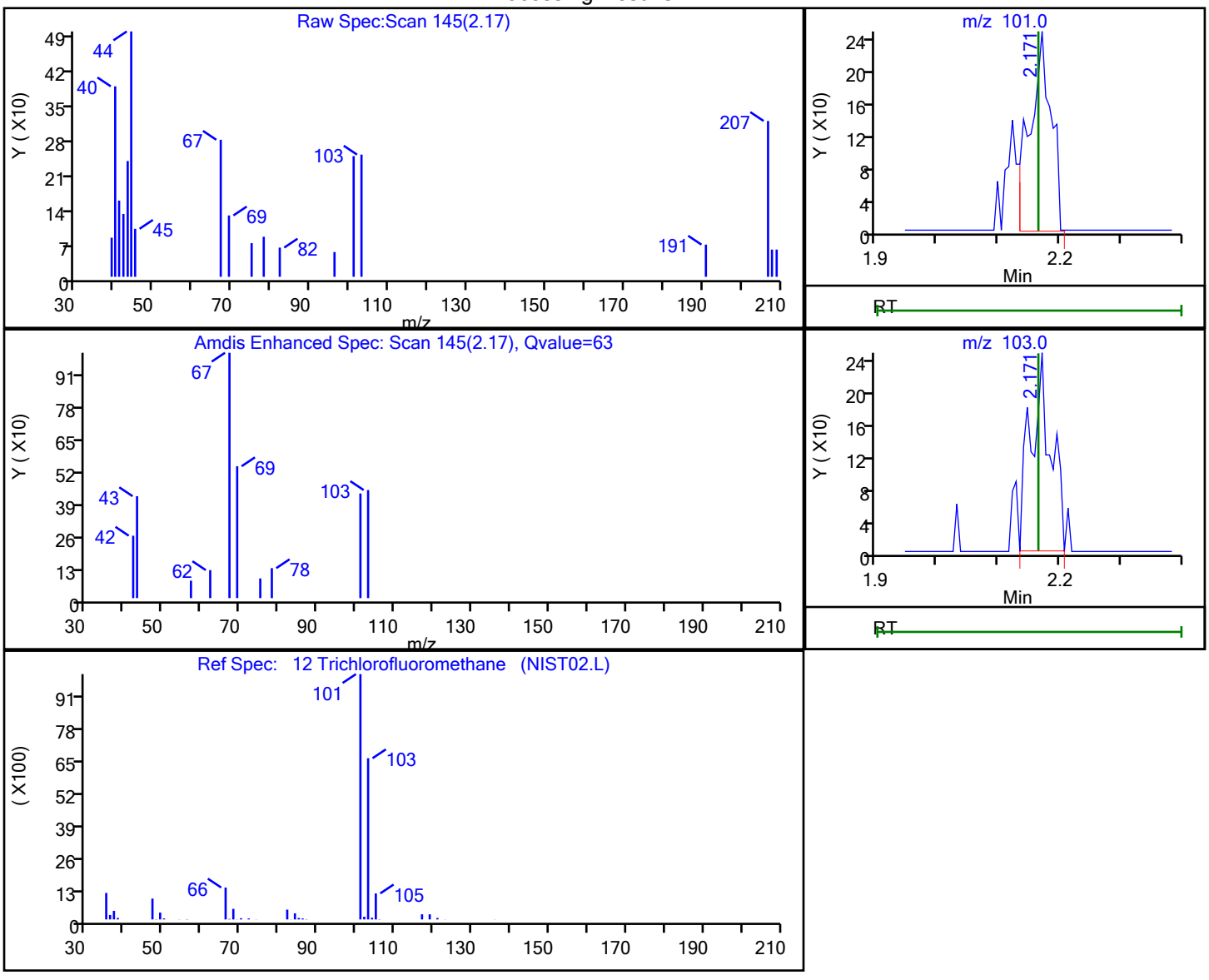
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.17	101.00	584	0.216585
2.17	103.00	572	

Reviewer: FK2C, 22-Feb-2024 09:07:45 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

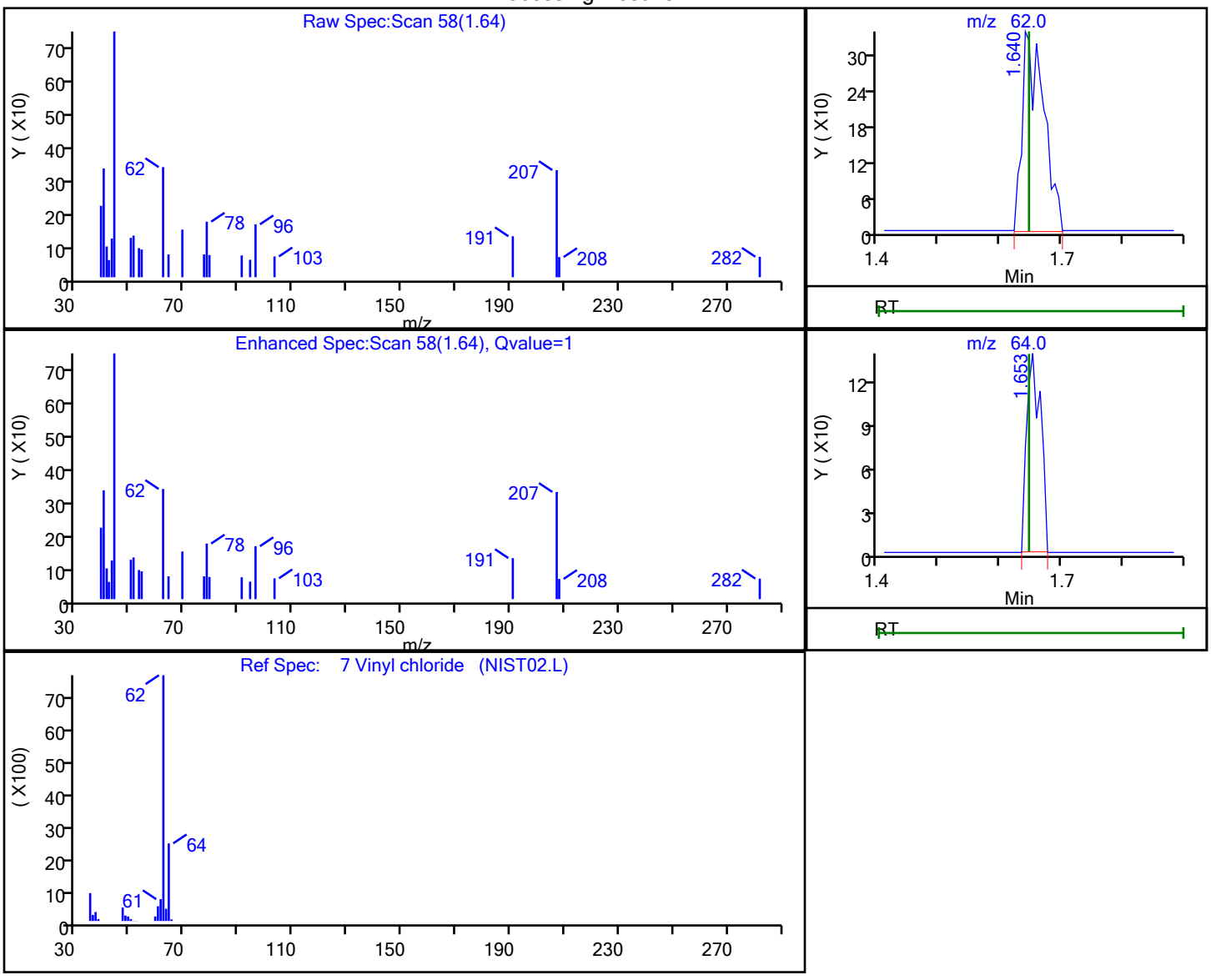
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76645.D
Injection Date: 22-Feb-2024 07:23:30 Instrument ID: CVOAMS17
Lims ID: STD8
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

7 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.64	62.00	813	0.298445
1.65	64.00	210	

Reviewer: FK2C, 22-Feb-2024 09:07:42 -05:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 22-Feb-2024 07:42:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD05
Misc. Info.: 460-0172593-004
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:27:47 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 08:57:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	1	278	0.5000	0.3542	a
2 1,1-Difluoroethane	65	1.378	1.372	0.006	35	517	0.5000	0.4826	
4 Dichlorodifluoromethane	85	1.384	1.390	-0.006	4	866	0.5000	0.3178	a
5 Chlorodifluoromethane	67	1.415	1.409	0.006	40	140	0.5000	0.3768	
6 Chloromethane	50	1.567	1.561	0.006	95	1743	0.5000	0.6009	
7 Vinyl chloride	62	1.646	1.647	-0.001	93	1365	0.5000	0.5079	
8 Butadiene	54	1.653	1.659	-0.006	91	952	0.5000	0.4108	
9 Bromomethane	94	1.921	1.915	0.006	79	1083	0.5000	0.5361	
10 Chloroethane	64	1.970	1.970	0.000	21	806	0.5000	0.5275	
11 Dichlorofluoromethane	67	2.152	2.146	0.006	74	2203	0.5000	0.4873	
13 Pentane	72	2.177	2.165	0.012	96	215	1.00	1.01	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	57	1031	0.5000	0.3401	
15 Ethyl ether	74	2.348	2.342	0.006	78	951	0.5000	0.6867	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	90	630	0.5000	0.4098	a
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.402	0.006	70	1033	0.5000	0.4816	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	7	1512	0.5000	0.4633	
19 Acrolein	56	2.506	2.506	0.000	41	755	2.00	2.02	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.518	2.524	-0.006	67	881	0.5000	0.4483	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	92	1109	0.5000	0.5371	
22 Acetone	43	2.622	2.616	0.006	87	1926	2.50	3.97	M
23 Iodomethane	142	2.695	2.689	0.006	98	1940	0.5000	0.4876	
24 Carbon disulfide	76	2.719	2.719	0.000	98	3446	0.5000	0.4644	
26 3-Chloro-1-propene	76	2.829	2.841	-0.012	91	549	0.5000	0.4148	a
27 Methyl acetate	43	2.854	2.848	0.006	76	1406	1.00	1.04	
28 Cyclopentene	67	2.866	2.860	0.006	62	1834	0.5000	0.4604	
29 Acetonitrile	41	2.908	2.896	0.012	39	1173	5.00	4.88	Ma
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	25769	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.969	-0.006	30	1117	0.5000	0.4656	
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	1	706	5.00	5.09	Ma
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	65	3304	0.5000	0.5246	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	85	1380	0.5000	0.6016	M
35 Acrylonitrile	53	3.219	3.207	0.012	94	3570	5.00	4.86	
36 Hexane	57	3.286	3.293	-0.007	91	984	0.5000	0.3948	
37 Isopropyl ether	45	3.500	3.500	0.000	84	3387	0.5000	0.5126	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	61	1735	0.5000	0.4764	
39 Vinyl acetate	86	3.542	3.543	0.000	99	354	1.00	0.8956	
40 2-Chloro-1,3-butadiene	88	3.561	3.567	-0.006	26	790	0.5000	0.4485	M
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	2903	0.5000	0.4624	
* 42 2-Butanone-d5	46	3.987	3.988	-0.001	0	177045	250.0	250.0	
43 2,2-Dichloropropane	97	4.024	4.012	0.012	30	260	0.5000	0.3456	a
44 cis-1,2-Dichloroethene	96	4.024	4.030	-0.006	85	1263	0.5000	0.5094	
45 2-Butanone (MEK)	72	4.055	4.042	0.012	95	459	2.50	2.37	
46 Ethyl acetate	70	4.055	4.049	0.006	92	210	1.00	1.02	
47 Methyl acrylate	55	4.103	4.097	0.006	1	808	0.5000	0.4970	a
48 Propionitrile	54	4.183	4.170	0.013	55	1256	5.00	5.18	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	34	114	1.00	0.9375	
49 Chlorobromomethane	128	4.256	4.250	0.006	39	571	0.5000	0.4589	
51 Methacrylonitrile	67	4.274	4.274	0.000	88	3948	5.00	4.90	
52 Chloroform	83	4.304	4.298	0.006	95	1679	0.5000	0.4705	
53 Cyclohexane	84	4.432	4.439	-0.007	62	1078	0.5000	0.3949	
54 1,1,1-Trichloroethane	97	4.457	4.451	0.006	42	1415	0.5000	0.4644	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	113318	50.0	49.3	
56 Carbon tetrachloride	117	4.561	4.561	-0.001	85	1130	0.5000	0.4299	
57 1,1-Dichloropropene	75	4.585	4.591	-0.006	90	1248	0.5000	0.4779	
58 Isobutyl alcohol	43	4.725	4.707	0.018	20	551	12.5	10.5	a
59 Isooctane	57	4.756	4.756	0.000	75	2701	0.5000	0.4046	
60 Benzene	78	4.780	4.786	-0.006	92	4421	0.5000	0.5418	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	110870	50.0	48.9	
63 Isopropyl acetate	61	4.847	4.841	0.006	88	307	0.5000	0.3060	Ma
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	77	3027	0.5000	0.4775	
64 1,2-Dichloroethane	62	4.878	4.872	0.006	96	1213	0.5000	0.5035	
65 n-Heptane	100	4.938	4.932	0.006	91	166	0.5000	0.5197	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	444387	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	1	264	12.5	8.60	a
68 Trichloroethene	95	5.408	5.408	0.000	93	1086	0.5000	0.5109	
69 Methylcyclohexane	83	5.536	5.536	0.000	78	1274	0.5000	0.4004	
70 Ethyl acrylate	99	5.530	5.536	-0.006	93	80	0.5000	0.2820	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	85	1010	0.5000	0.4825	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20113	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	80	351	1.00	0.6984	
74 Dibromomethane	93	5.816	5.823	-0.007	89	627	0.5000	0.4917	
76 n-Propyl acetate	43	5.829	5.829	0.000	96	1019	0.5000	0.4390	
77 Dichlorobromomethane	83	5.975	5.969	0.006	92	1307	0.5000	0.4999	
78 2-Nitropropane	41	6.310	6.310	0.000	77	766	1.00	1.08	
79 2-Chloroethyl vinyl ether	63	6.316	6.310	0.006	72	557	0.5012	0.4537	
80 Epichlorohydrin	57	6.414	6.408	0.006	97	1810	10.0	11.3	
81 cis-1,3-Dichloropropene	75	6.463	6.469	-0.006	89	1379	0.5000	0.4386	
82 4-Methyl-2-pentanone (MIBK)	58	6.639	6.633	0.006	95	1628	2.50	2.37	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	424720	50.0	50.5	
84 Toluene	91	6.792	6.786	0.006	93	5687	0.5000	0.6286	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	95	1222	0.5000	0.4497	
86 Ethyl methacrylate	69	7.164	7.170	-0.006	79	1069	0.5000	0.4649	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	90	853	0.5000	0.5531	
88 Tetrachloroethene	166	7.389	7.389	0.000	91	1182	0.5000	0.5315	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	90	1262	0.5000	0.4464	
90 2-Hexanone	43	7.627	7.621	0.006	96	1958	2.50	2.13	
91 n-Butyl acetate	43	7.743	7.737	0.006	96	1212	0.5000	0.4772	
92 Chlorodibromomethane	129	7.779	7.779	0.000	92	909	0.5000	0.4535	
93 Ethylene Dibromide	107	7.932	7.932	0.000	97	917	0.5000	0.5101	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	83	332064	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	88	3094	0.5000	0.5388	
96 Ethylbenzene	106	8.621	8.621	0.000	97	1575	0.5000	0.5221	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	85	971	0.5000	0.4601	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	1855	0.5000	0.5029	
100 n-Butyl acrylate	73	9.291	9.291	0.000	57	642	0.5000	0.4435	
99 o-Xylene	106	9.291	9.297	-0.006	94	1813	0.5000	0.4814	
101 Styrene	104	9.328	9.328	0.000	96	2645	0.5000	0.4686	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	90	1385	0.5000	0.4398	
102 Bromoform	173	9.572	9.566	0.006	71	741	0.5000	0.5204	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	4329	0.5000	0.4692	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	139700	50.0	50.6	
106 Bromobenzene	156	10.084	10.084	0.000	94	1121	0.5000	0.4342	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	93	1111	0.5000	0.4692	
108 N-Propylbenzene	91	10.175	10.169	0.006	99	5711	0.5000	0.5101	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	90	312	0.5000	0.4735	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	22	206	0.5000	0.3823	
111 2-Chlorotoluene	91	10.279	10.279	0.000	96	3874	0.5000	0.5047	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	4762	0.5000	0.5007	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	92	3605	0.5000	0.4563	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	3632	0.5000	0.5147	
115 Butyl Methacrylate	87	10.486	10.486	0.000	84	900	0.5000	0.2899	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	3255	0.5000	0.4684	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	3958	0.5000	0.4737	
118 sec-Butylbenzene	105	10.882	10.889	-0.007	98	5242	0.5000	0.4979	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	99	2570	0.5000	0.5140	
120 4-Isopropyltoluene	119	11.023	11.029	-0.006	96	4178	0.5000	0.4622	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	192863	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	88	2451	0.5000	0.4858	a
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	97	4492	0.5000	0.4951	
124 Benzyl chloride	91	11.242	11.248	-0.006	97	2399	0.5000	0.5176	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	4498	0.5000	0.5161	
126 p-Diethylbenzene	119	11.376	11.370	0.006	93	2886	0.5000	0.4830	
127 n-Butylbenzene	92	11.395	11.395	0.000	96	2352	0.5000	0.4918	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	97	2550	0.5000	0.5076	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	97	4825	0.5000	0.5199	
130 1,2-Dibromo-3-Chloropropane	157	12.126	12.120	0.006	1	327	0.5000	0.5549	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	93	2334	0.5000	0.5238	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	93	2235	0.5000	0.5255	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	89	792	0.5000	0.4479	
134 Naphthalene	128	12.925	12.925	0.000	99	4939	0.5000	0.5073	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	2144	0.5000	0.5124	
S 136 1,2-Dichloroethene, Total	100				0		1.00	1.11	
S 137 Xylenes, Total	100				0		1.00	0.9843	
S 139 1,3-Dichloropropene, Total	1				0		1.00	0.8882	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 140 Total BTEX	1				0		2.50	2.68	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

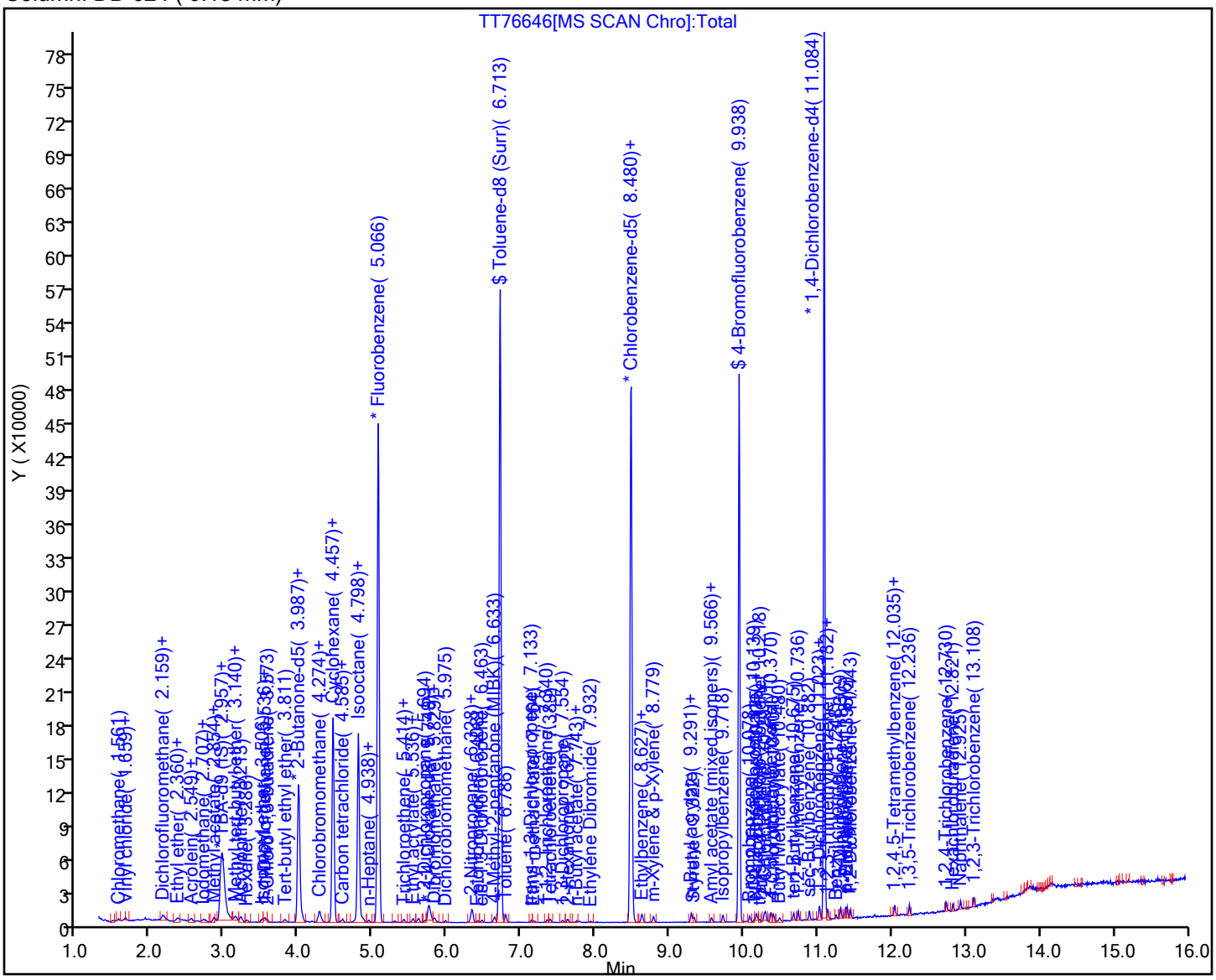
Reagents:

524FREONS_00015	Amount Added:	5.00	Units: uL	
ACROLEIN W_00165	Amount Added:	2.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	5.00	Units: uL	
14DIOXINTER_00166	Amount Added:	15.00	Units: uL	
GASES Li_00572	Amount Added:	5.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:27:48 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

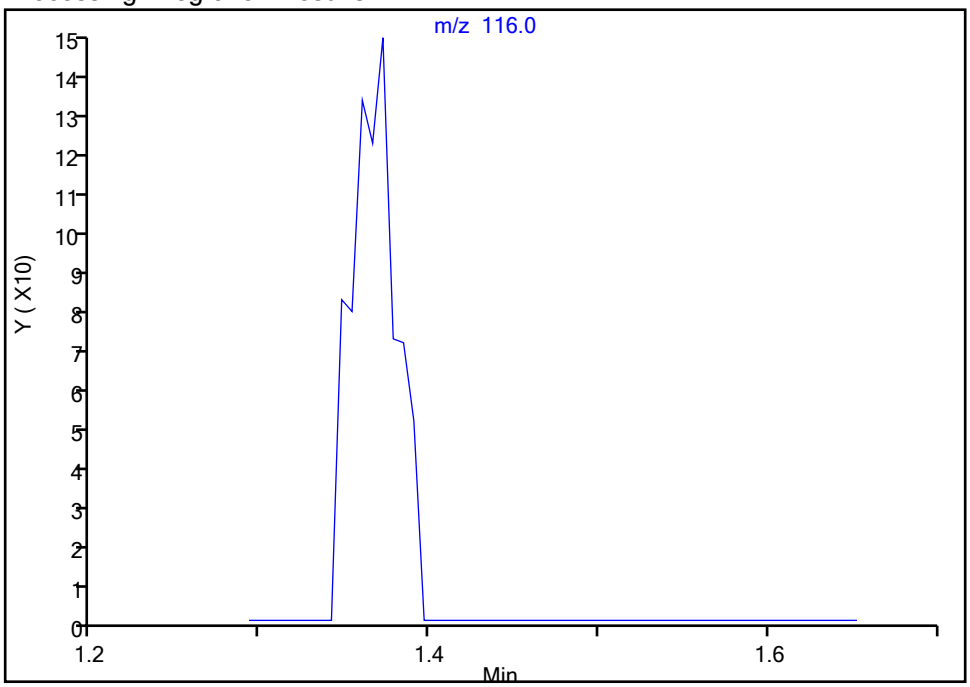
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

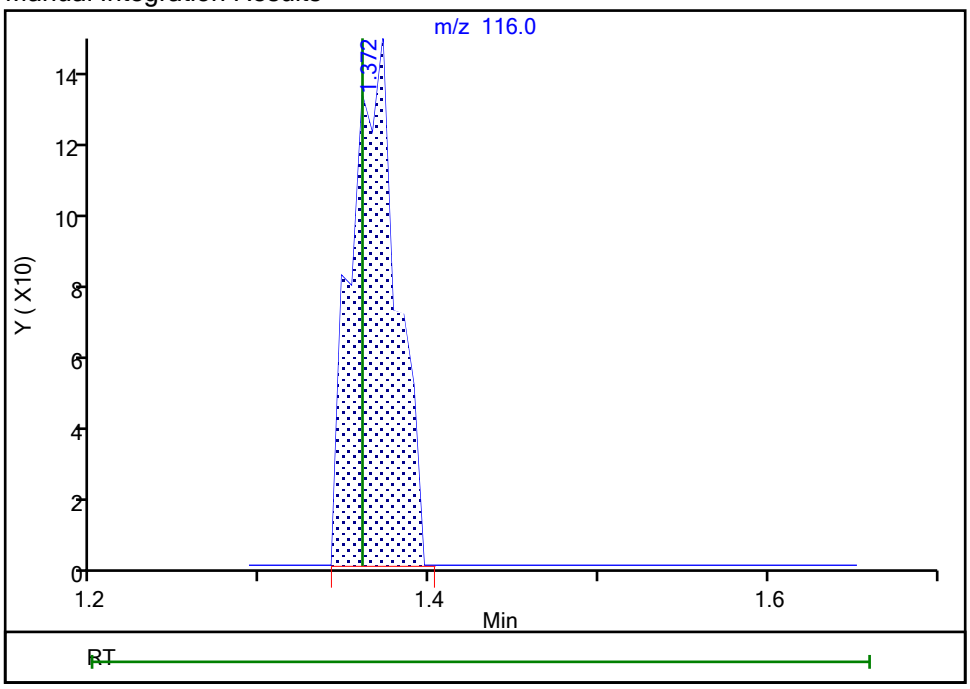
Not Detected
Expected RT: 1.36

Processing Integration Results



Manual Integration Results

RT: 1.37
Area: 278
Amount: 0.354176
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

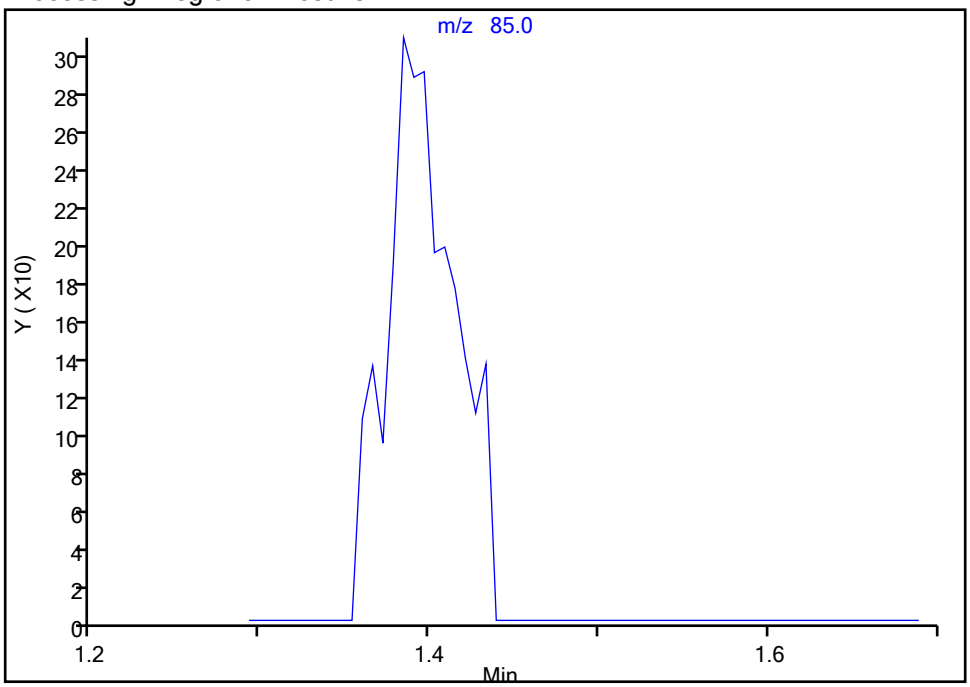
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

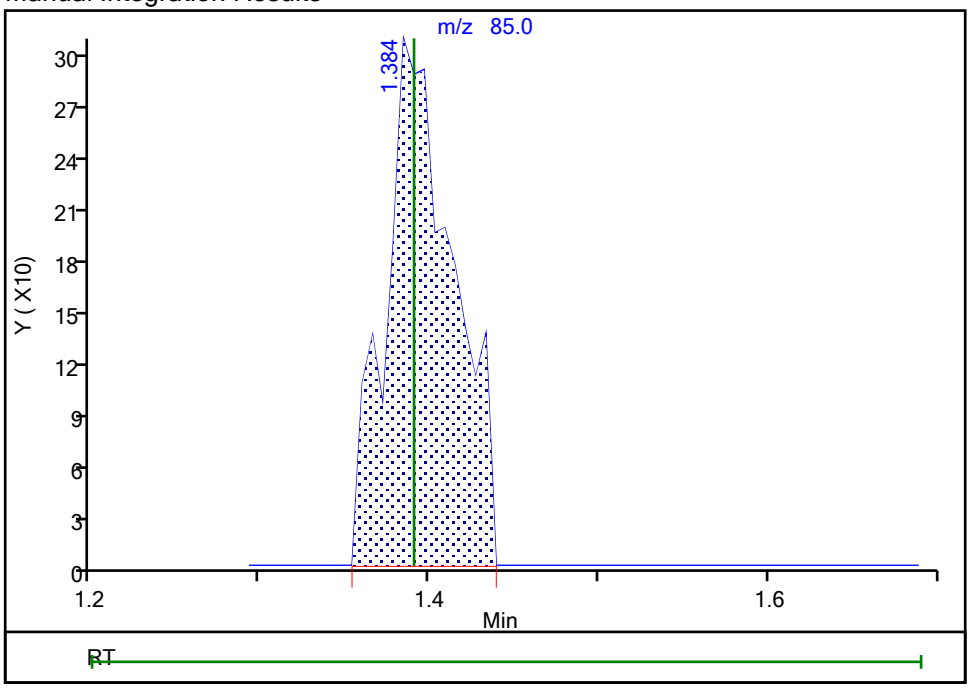
Not Detected
Expected RT: 1.39

Processing Integration Results



Manual Integration Results

RT: 1.38
Area: 866
Amount: 0.317780
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:34 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

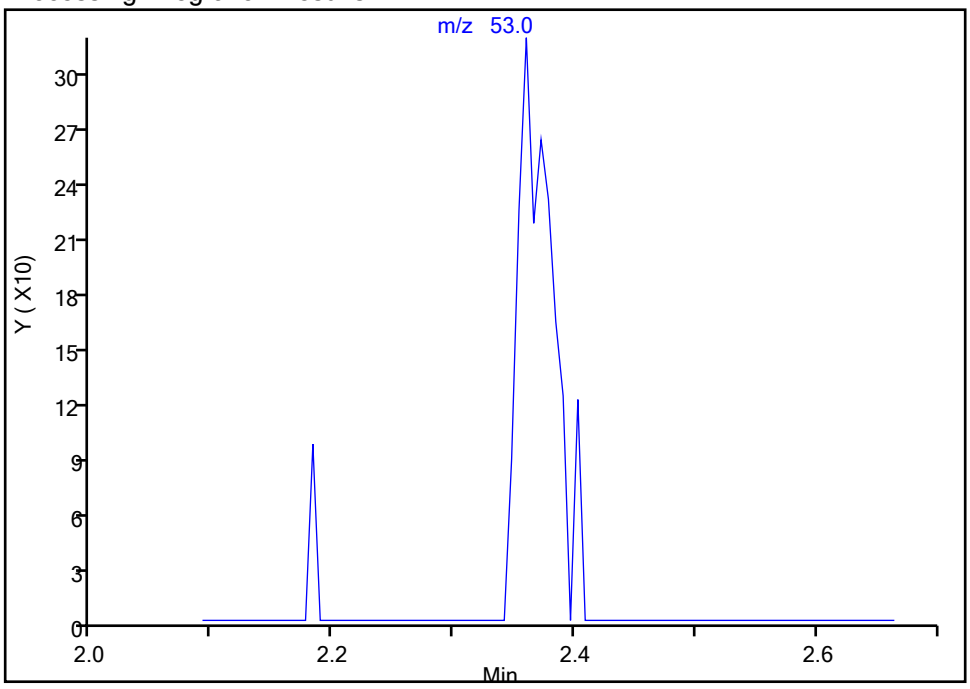
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Signal: 1

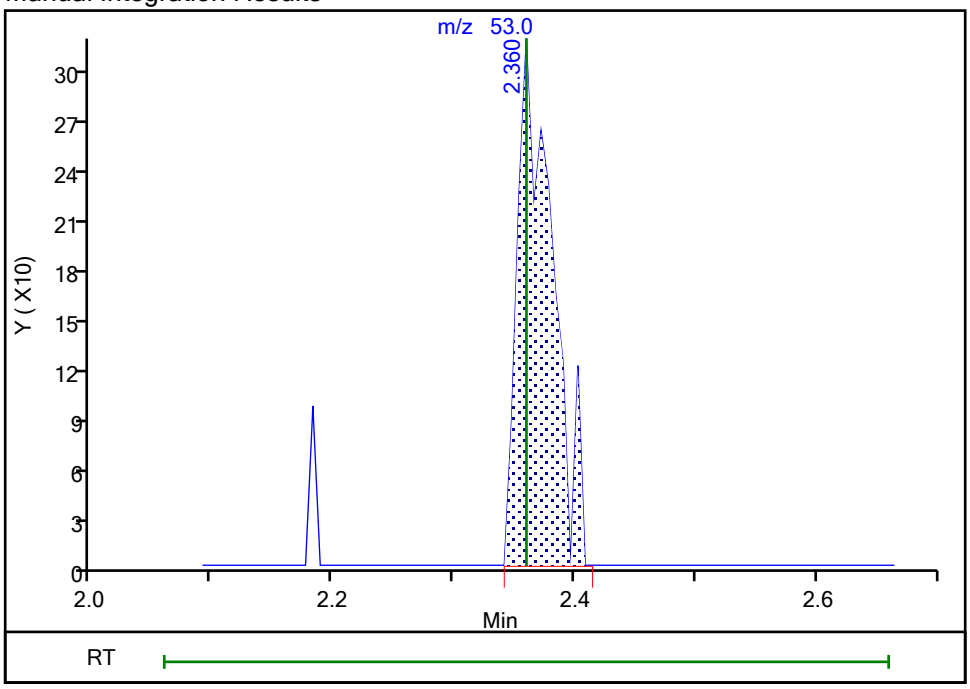
Not Detected
Expected RT: 2.36

Processing Integration Results



Manual Integration Results

RT: 2.36
Area: 630
Amount: 0.409834
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:18:49 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

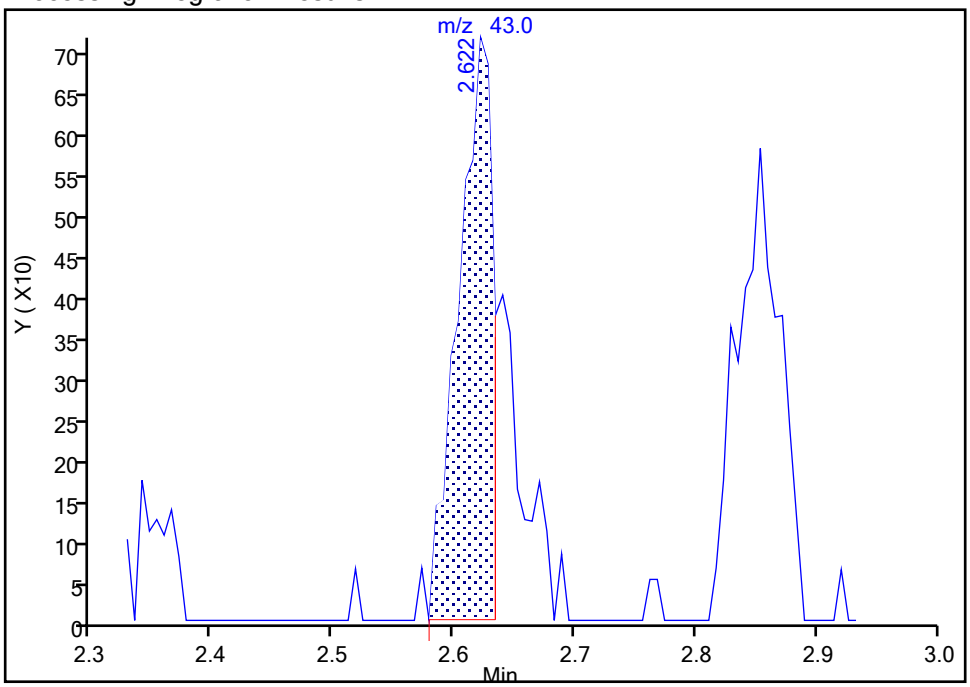
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

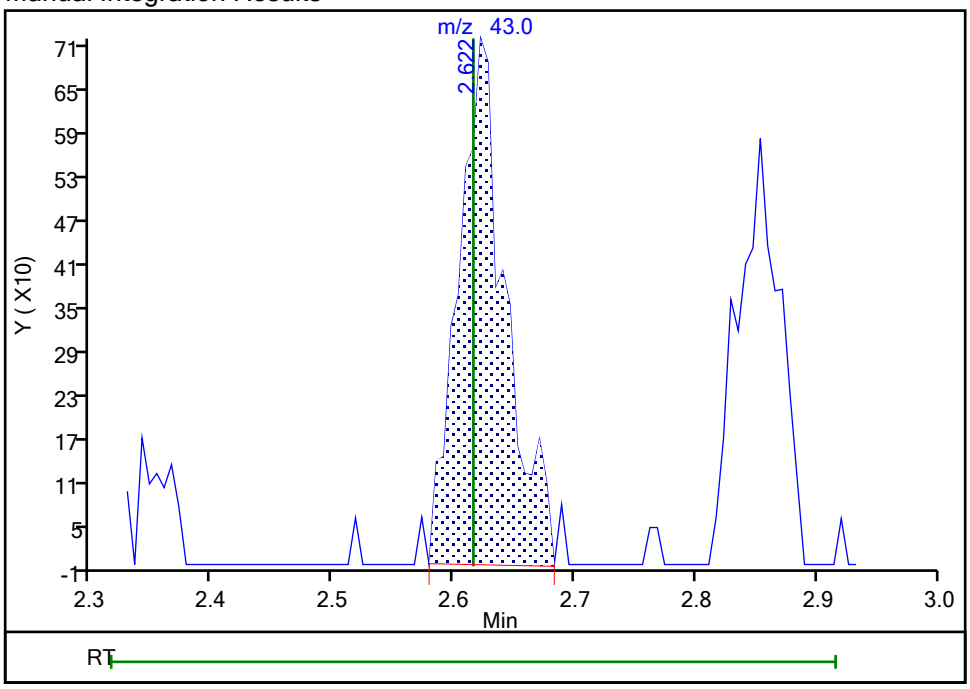
Processing Integration Results

RT: 2.62
Area: 1403
Amount: 2.926213
Amount Units: ug/l



Manual Integration Results

RT: 2.62
Area: 1926
Amount: 3.970178
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:03 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

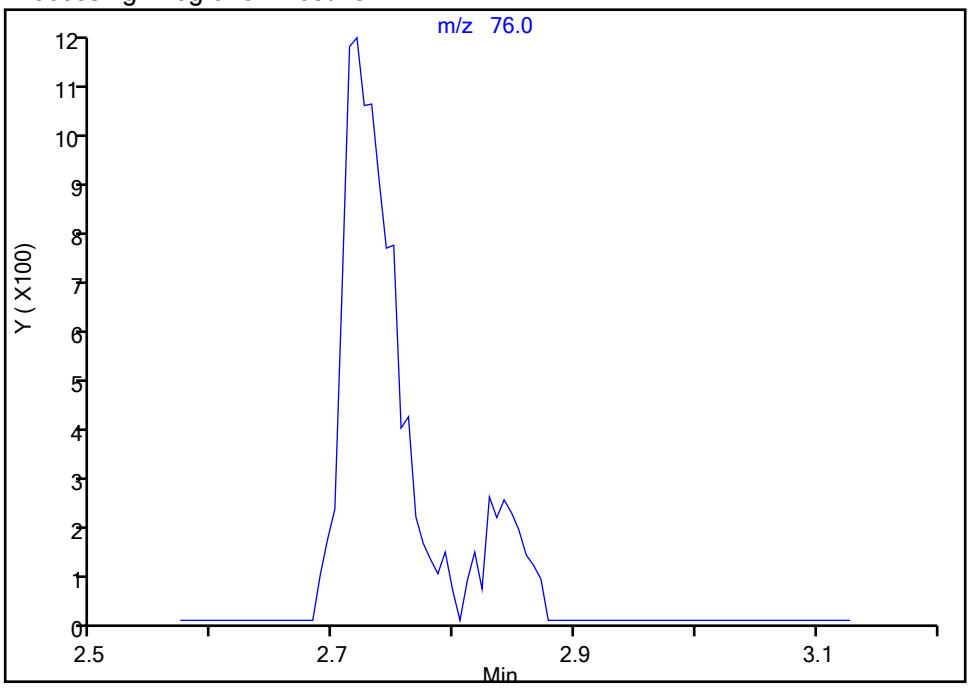
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

26 3-Chloro-1-propene, CAS: 107-05-1

Signal: 1

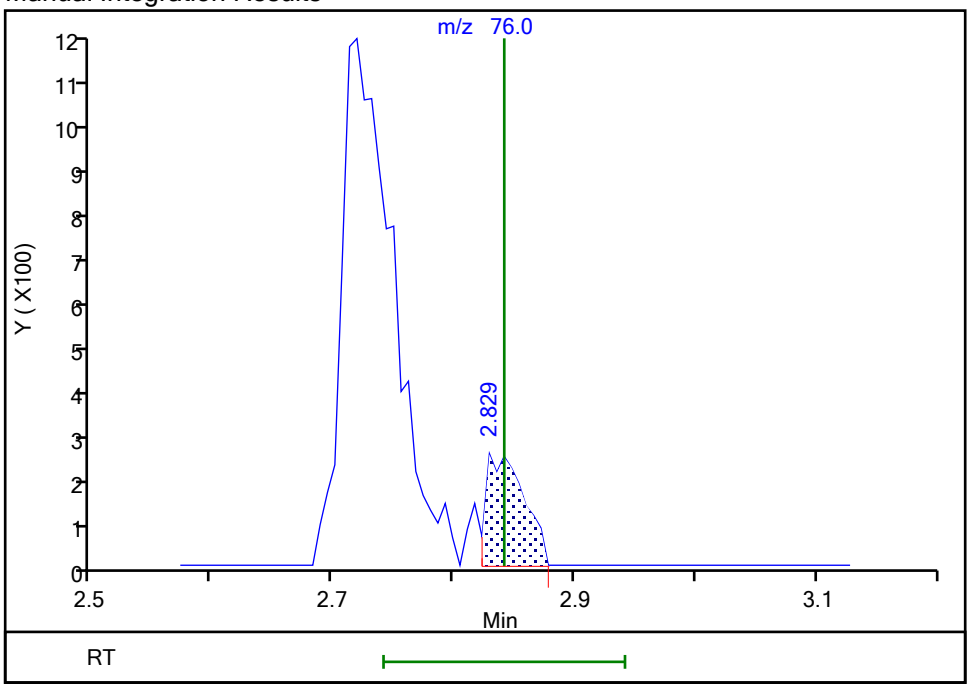
Not Detected
Expected RT: 2.84

Processing Integration Results



Manual Integration Results

RT: 2.83
Area: 549
Amount: 0.414782
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:15 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

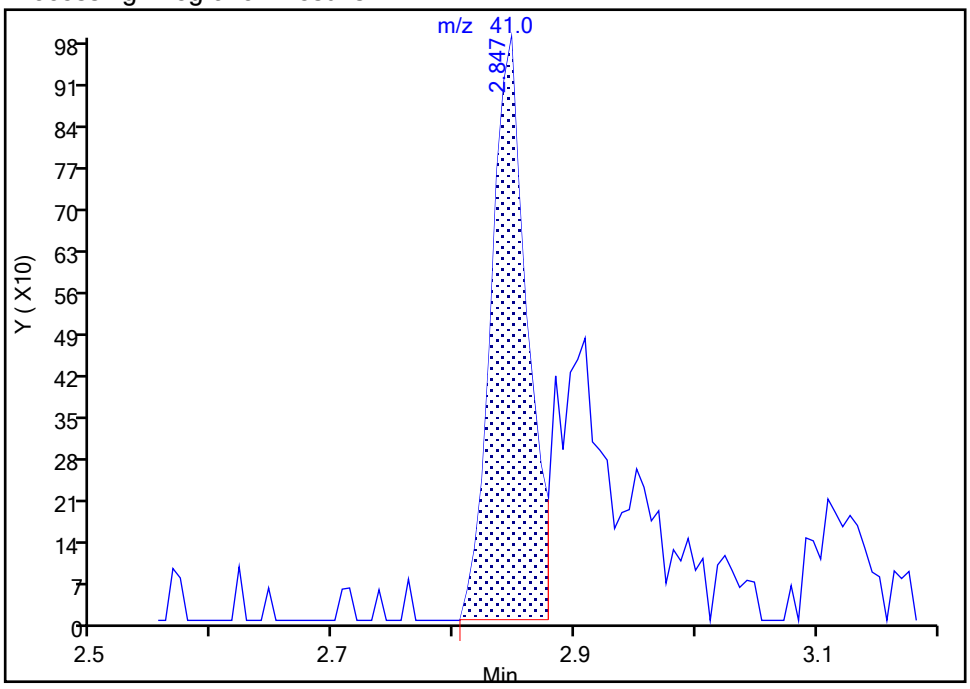
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

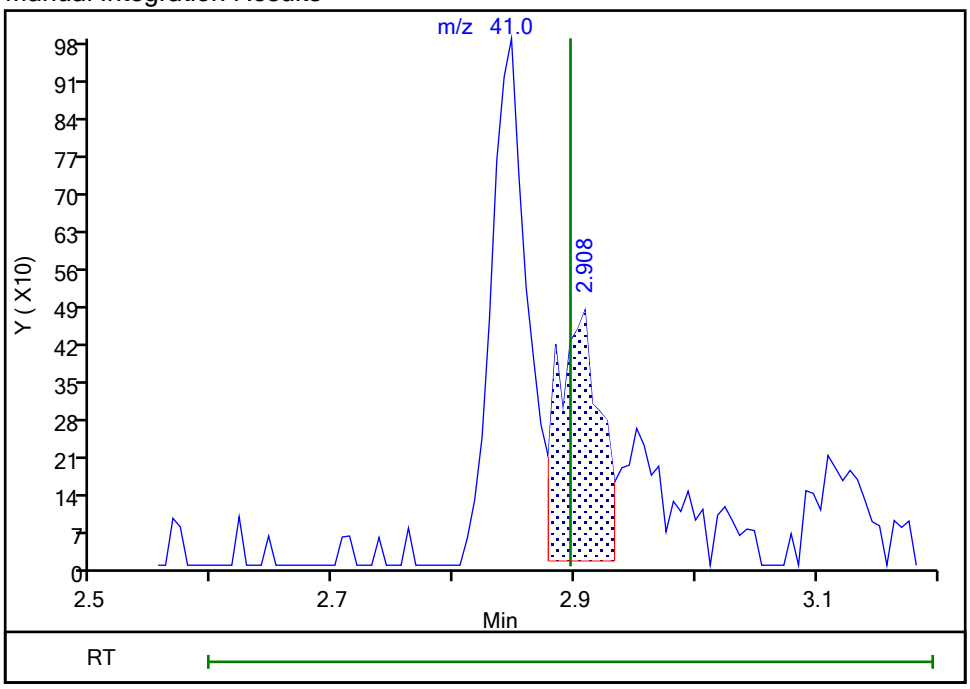
Processing Integration Results

RT: 2.85
Area: 2067
Amount: 8.429687
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 1173
Amount: 4.876069
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:19:49 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

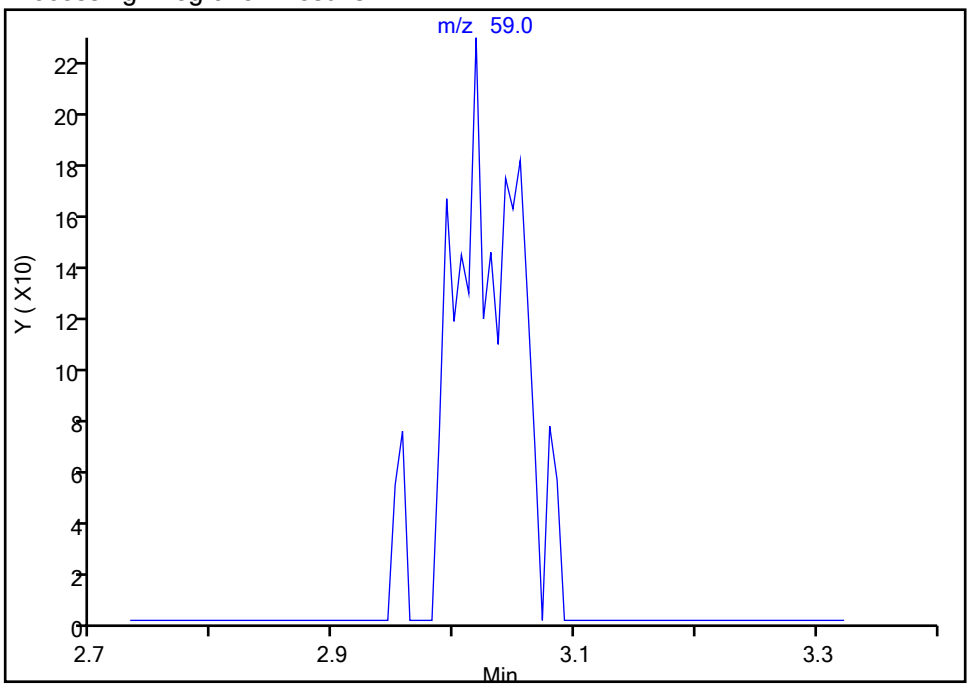
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

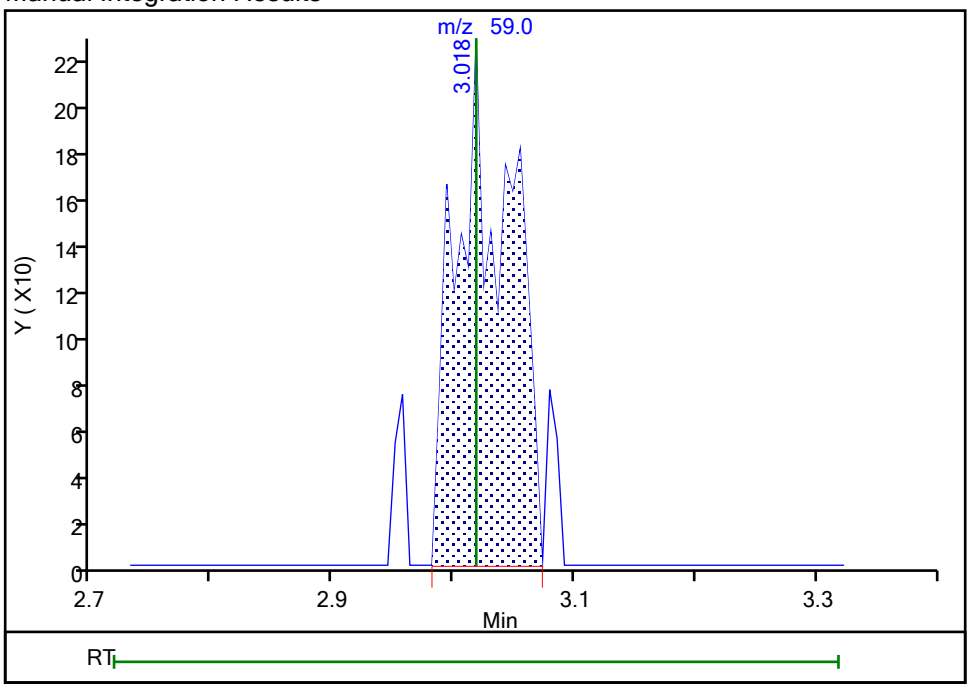
Not Detected
Expected RT: 3.02

Processing Integration Results



Manual Integration Results

RT: 3.02
Area: 706
Amount: 5.092964
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:16 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

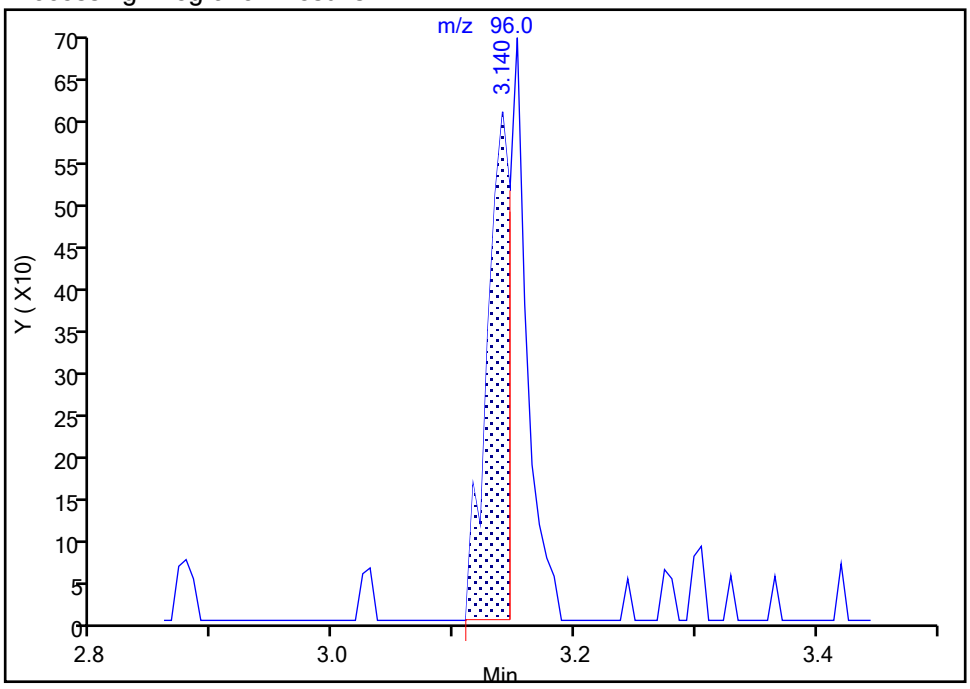
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

34 trans-1,2-Dichloroethene, CAS: 156-60-5

Signal: 1

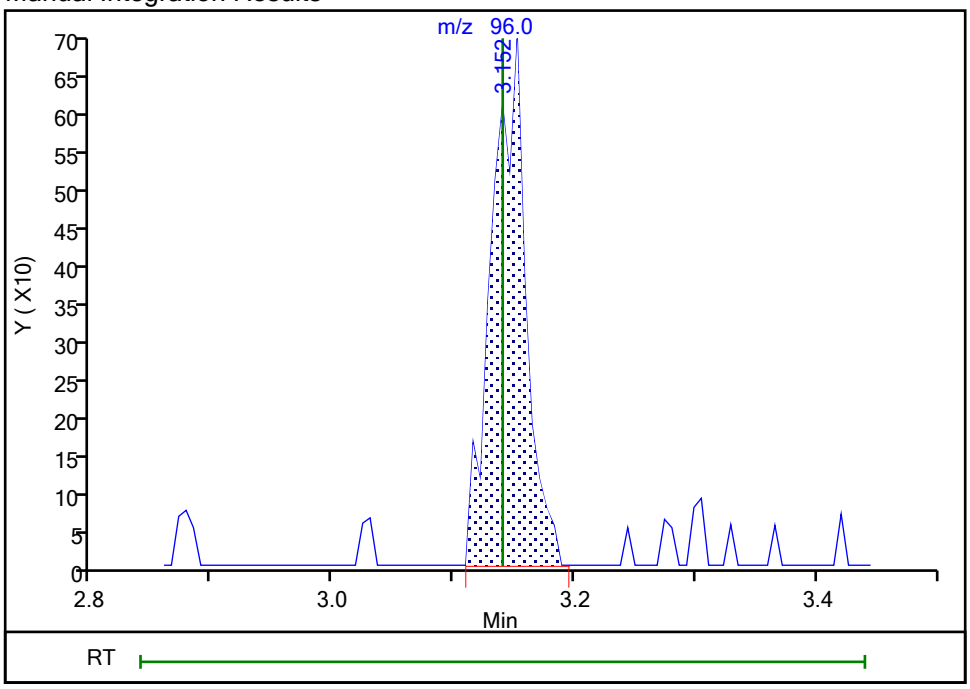
Processing Integration Results

RT: 3.14
Area: 828
Amount: 0.387577
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 1380
Amount: 0.601552
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:28 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

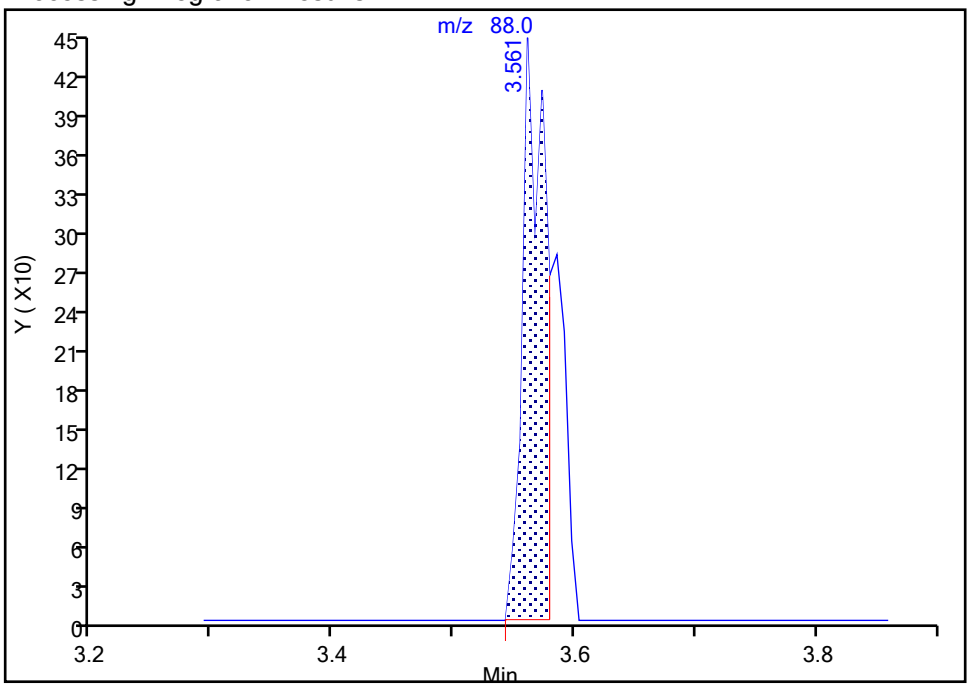
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

40 2-Chloro-1,3-butadiene, CAS: 126-99-8

Signal: 1

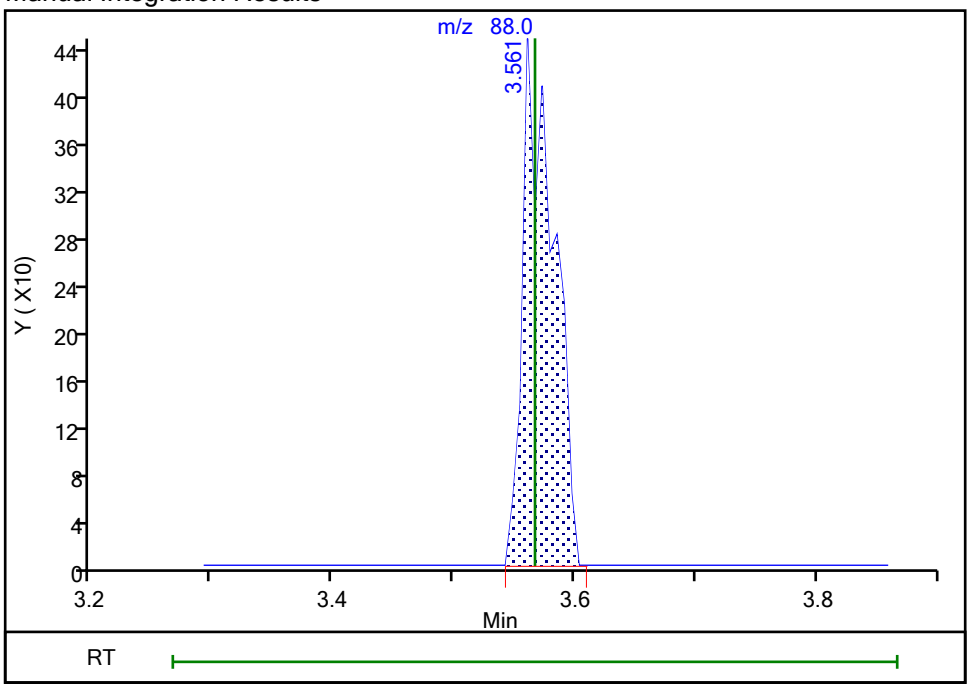
Processing Integration Results

RT: 3.56
Area: 584
Amount: 0.343001
Amount Units: ug/l



Manual Integration Results

RT: 3.56
Area: 790
Amount: 0.448487
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:40 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

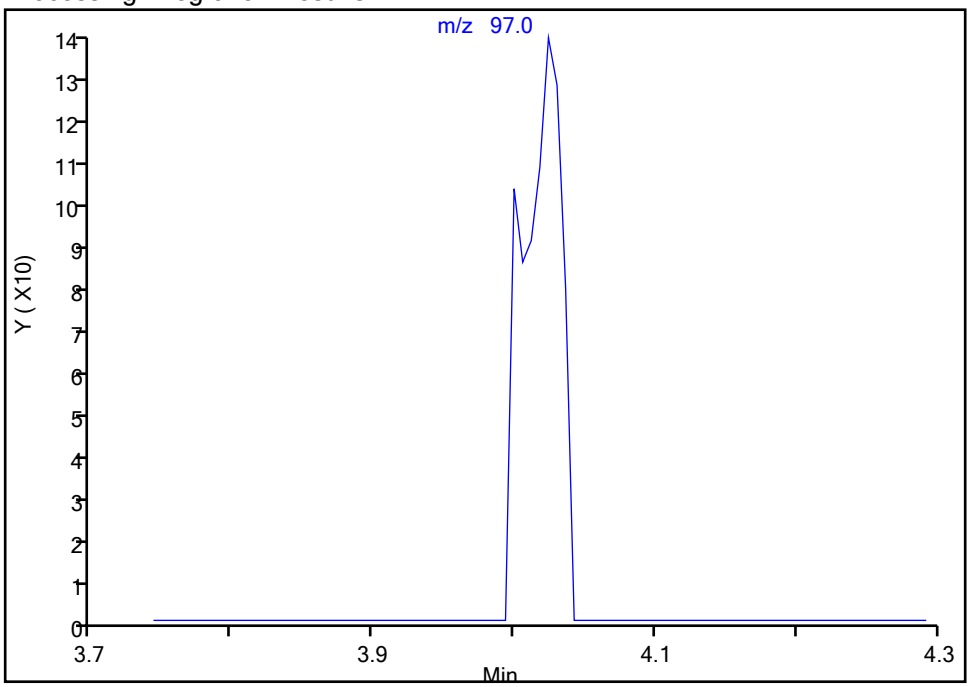
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

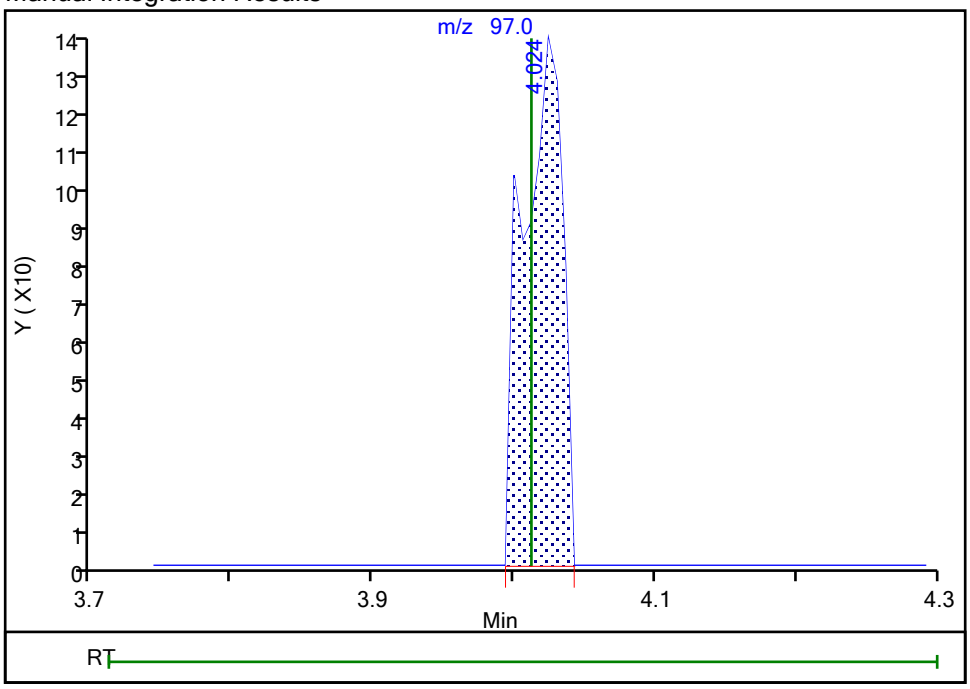
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 260
Amount: 0.345579
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:47 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

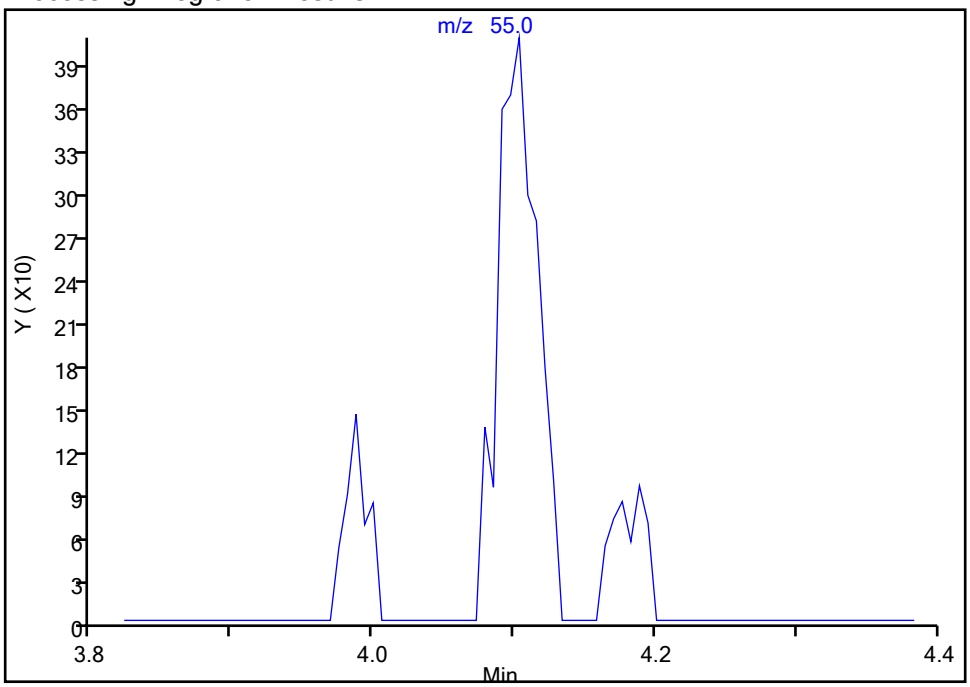
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

47 Methyl acrylate, CAS: 96-33-3

Signal: 1

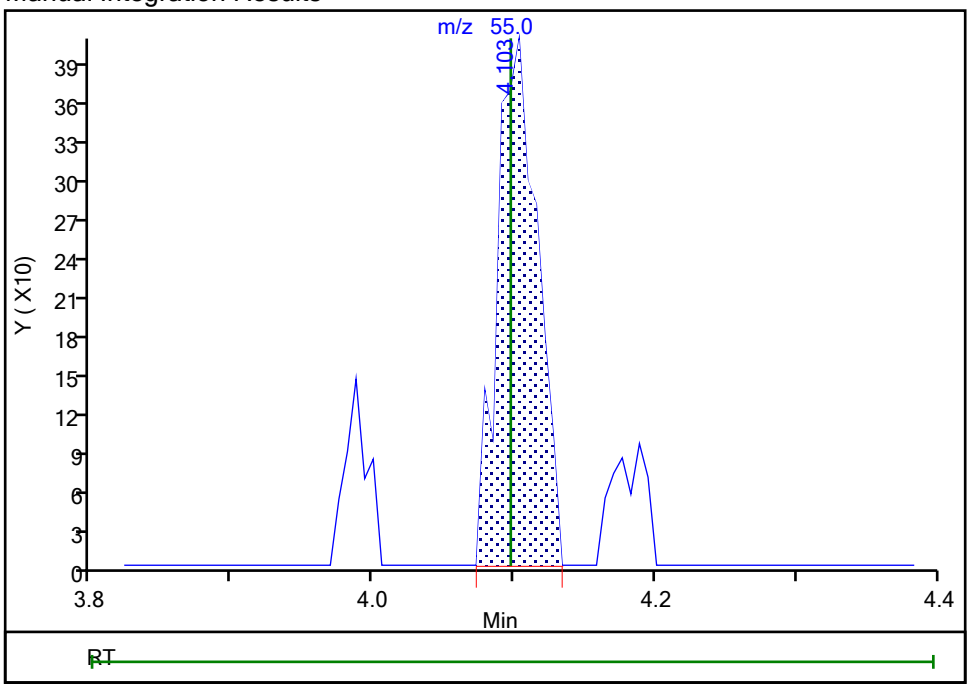
Not Detected
Expected RT: 4.10

Processing Integration Results



Manual Integration Results

RT: 4.10
Area: 808
Amount: 0.497009
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:20:56 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

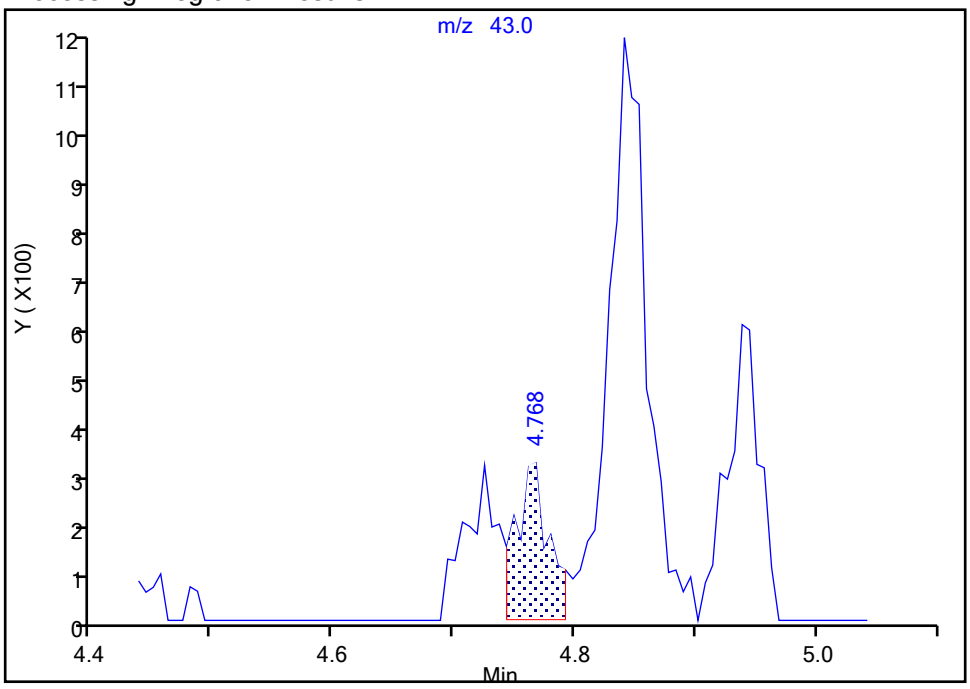
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

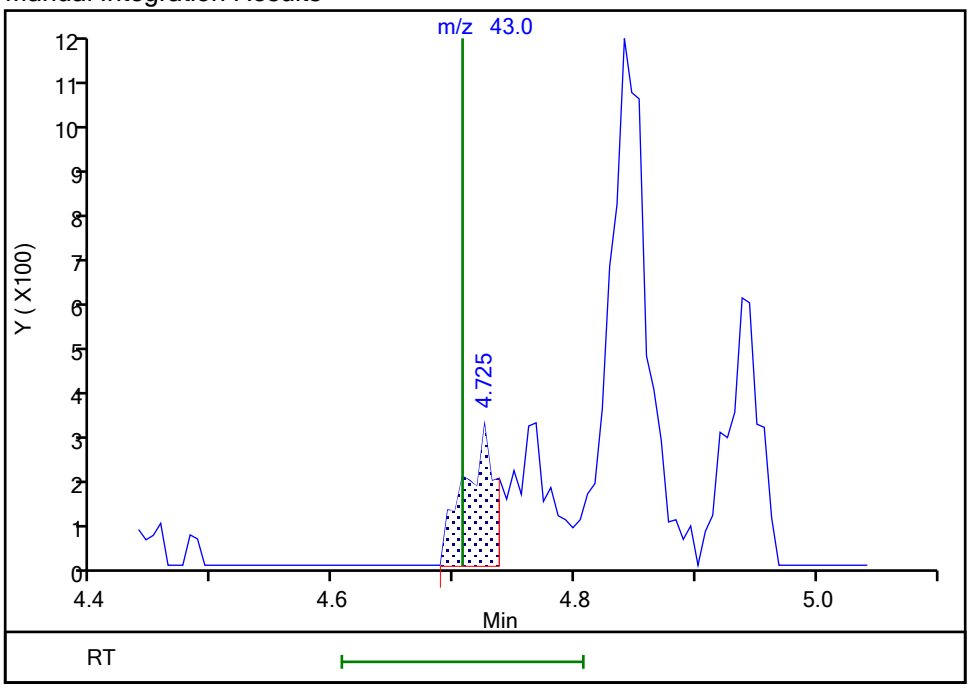
Processing Integration Results

RT: 4.77
Area: 614
Amount: 11.678523
Amount Units: ug/l



Manual Integration Results

RT: 4.73
Area: 551
Amount: 10.480270
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:11 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

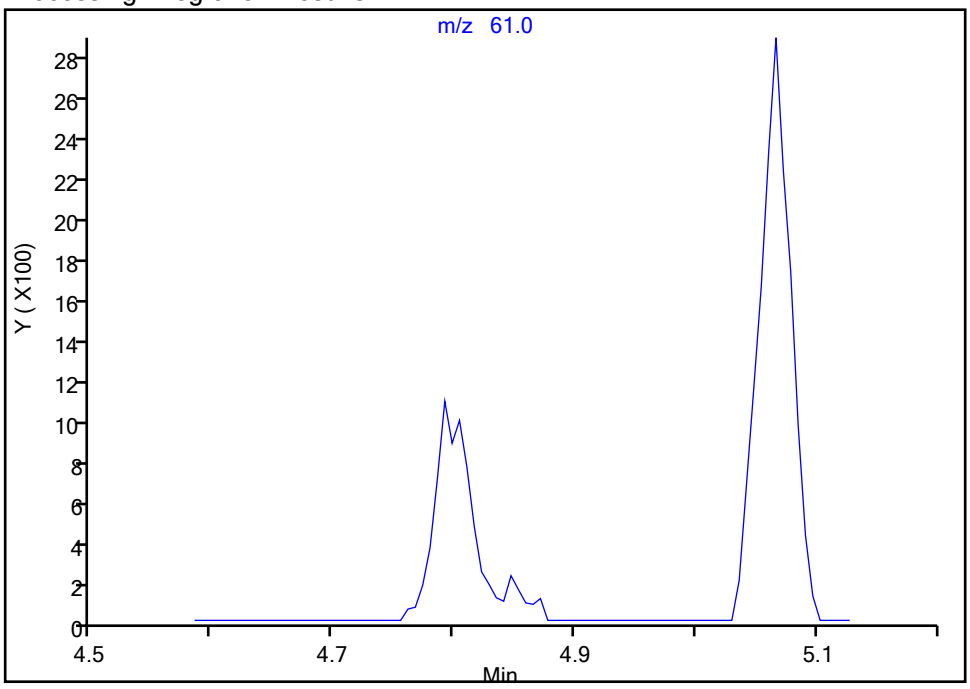
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

63 Isopropyl acetate, CAS: 108-21-4

Signal: 1

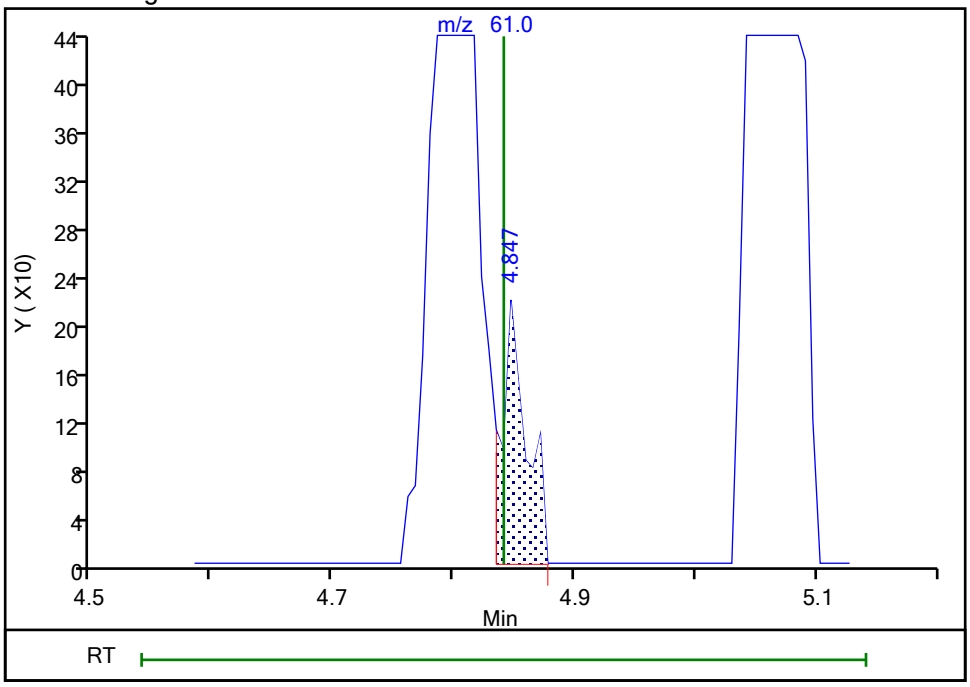
Not Detected
Expected RT: 4.84

Processing Integration Results



Manual Integration Results

RT: 4.85
Area: 307
Amount: 0.306025
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:31 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

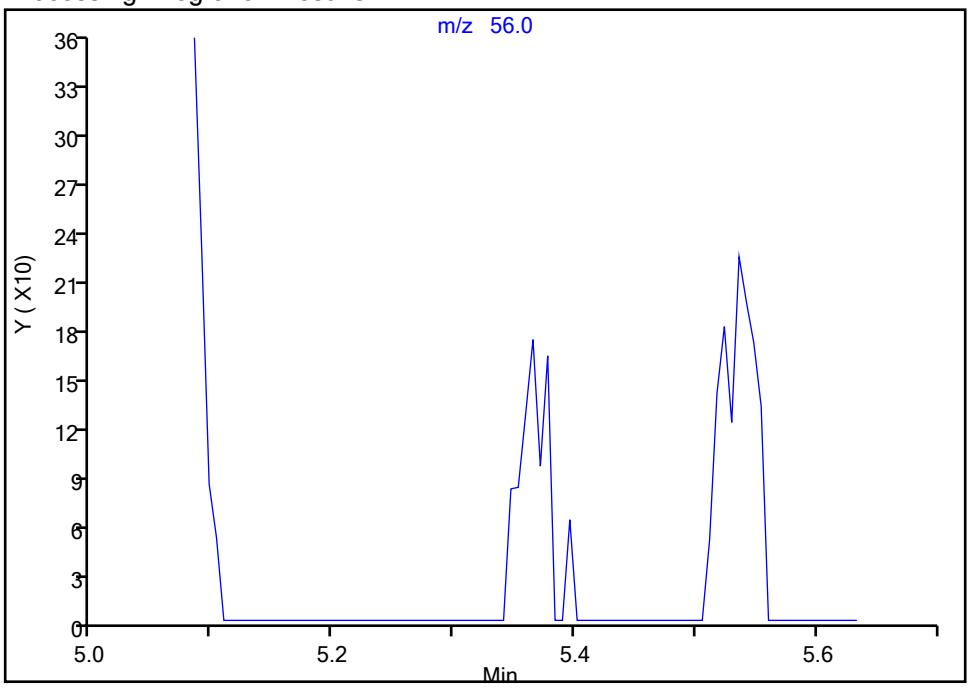
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

67 n-Butanol, CAS: 71-36-3

Signal: 1

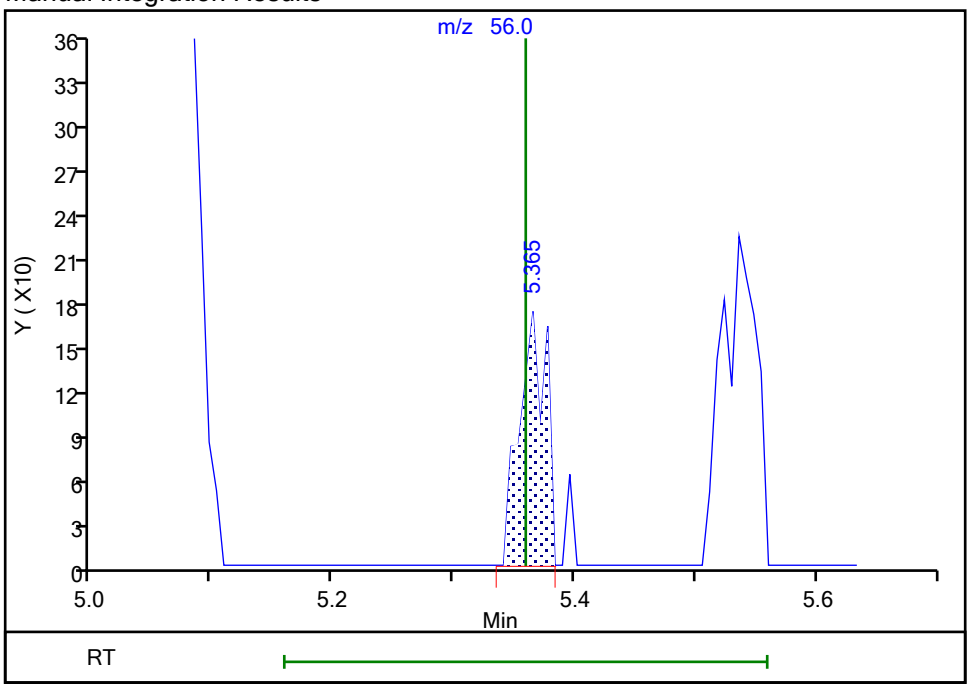
Not Detected
Expected RT: 5.36

Processing Integration Results



Manual Integration Results

RT: 5.37
Area: 264
Amount: 8.598644
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:21:41 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

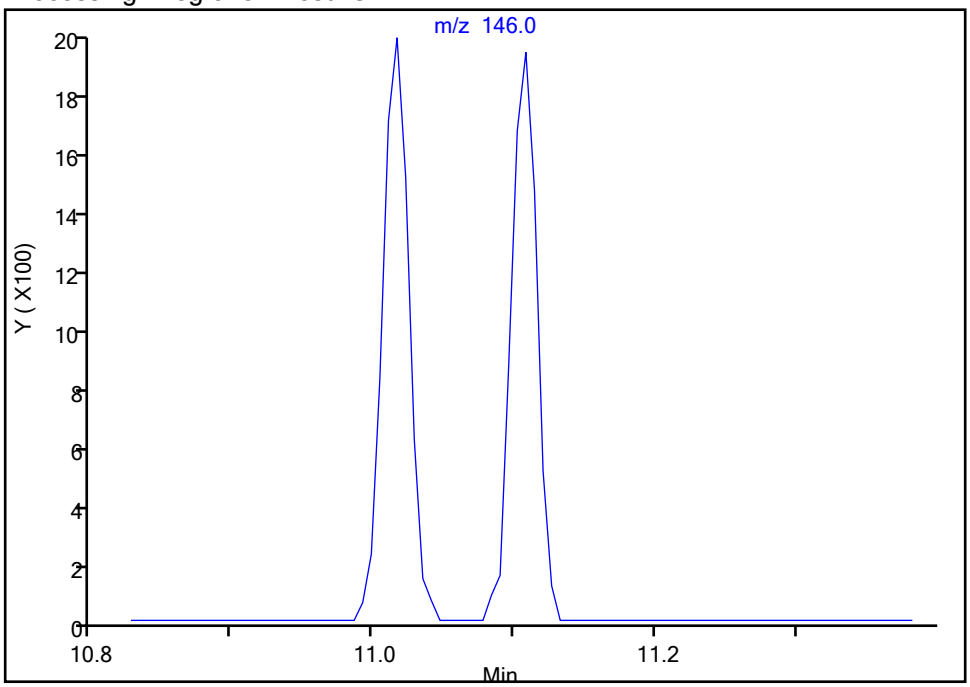
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76646.D
Injection Date: 22-Feb-2024 07:42:30 Instrument ID: CVOAMS17
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

122 1,4-Dichlorobenzene, CAS: 106-46-7

Signal: 1

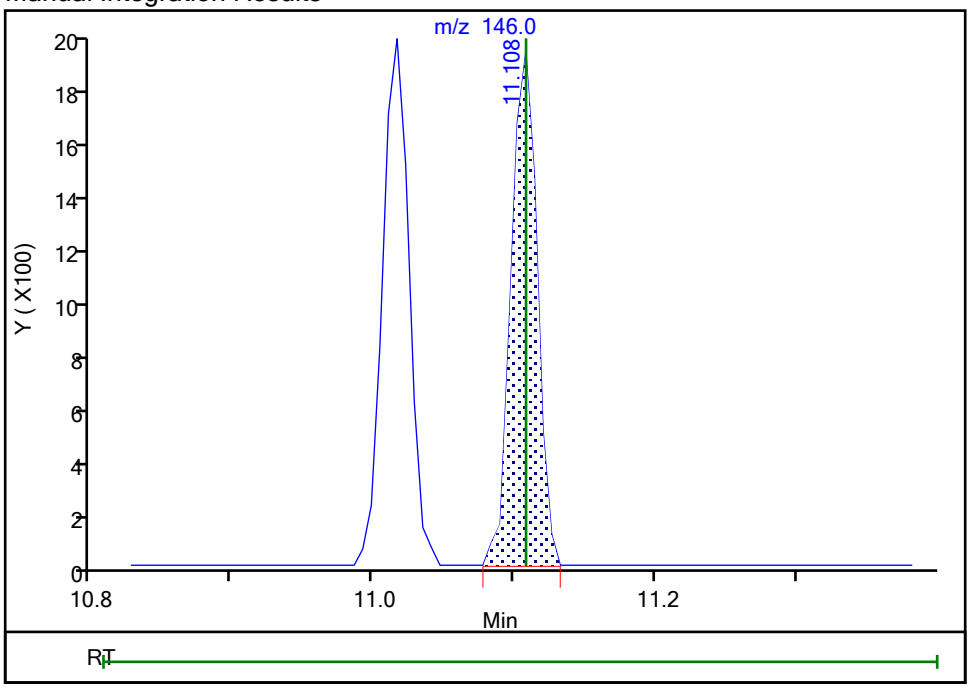
Not Detected
Expected RT: 11.11

Processing Integration Results



Manual Integration Results

RT: 11.11
Area: 2451
Amount: 0.485840
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:22:33 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 22-Feb-2024 08:03:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0172593-005
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:12 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 08:41:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	1	756	1.00	0.9092	a
2 1,1-Difluoroethane	65	1.378	1.372	0.006	68	892	1.00	0.7859	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	55	2882	1.00	1.00	
5 Chlorodifluoromethane	67	1.427	1.409	0.018	49	405	1.00	1.03	a
6 Chloromethane	50	1.567	1.561	0.006	96	2911	1.00	0.9474	
7 Vinyl chloride	62	1.646	1.647	-0.001	84	2539	1.00	0.8918	
8 Butadiene	54	1.659	1.659	0.000	94	2171	1.00	0.8843	
9 Bromomethane	94	1.921	1.915	0.006	94	1995	1.00	0.9322	
10 Chloroethane	64	1.988	1.970	0.018	95	1503	1.00	0.9285	a
11 Dichlorofluoromethane	67	2.159	2.146	0.012	98	3995	1.00	0.8341	
13 Pentane	72	2.165	2.165	0.000	93	812	2.00	3.59	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	55	3031	1.00	0.9439	a
15 Ethyl ether	74	2.354	2.342	0.012	83	1338	1.00	0.9121	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	95	1423	1.00	0.8739	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	85	1927	1.00	0.8480	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	40	3211	1.00	0.9287	
19 Acrolein	56	2.506	2.506	0.000	38	1471	4.00	3.71	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.543	2.524	0.019	59	1840	1.00	0.8838	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	94	2069	1.00	0.9460	
22 Acetone	43	2.634	2.616	0.018	91	2716	5.00	5.11	M
23 Iodomethane	142	2.701	2.689	0.012	97	3766	1.00	0.8935	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	29	1033	10.0	12.1	M
24 Carbon disulfide	76	2.725	2.719	0.006	99	6346	1.00	0.8074	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	82	1262	1.00	0.9001	
27 Methyl acetate	43	2.860	2.848	0.012	98	2608	2.00	1.82	
28 Cyclopentene	67	2.866	2.860	0.006	68	3805	1.00	0.9018	
29 Acetonitrile	41	2.896	2.896	0.000	36	2482	10.0	9.42	Ma
* 31 TBA-d9 (IS)	66	2.963	2.957	0.006	0	28446	1000.0	1000.0	
30 Methylene Chloride	84	2.975	2.969	0.006	31	2258	1.00	0.8886	
32 2-Methyl-2-propanol	59	3.049	3.018	0.031	1	1169	10.0	7.64	Ma

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	95	5918	1.00	0.8870	
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	91	2029	1.00	0.8349	
35 Acrylonitrile	53	3.213	3.207	0.006	95	6398	10.0	8.22	
36 Hexane	57	3.292	3.293	-0.001	93	2423	1.00	0.9178	
37 Isopropyl ether	45	3.500	3.500	0.000	90	6019	1.00	0.8600	
38 1,1-Dichloroethane	63	3.542	3.524	0.018	70	3295	1.00	0.8541	a
39 Vinyl acetate	86	3.536	3.543	-0.006	99	709	2.00	1.64	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	86	1623	1.00	0.8698	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	89	5389	1.00	0.8104	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	193860	250.0	250.0	
43 2,2-Dichloropropane	97	4.036	4.012	0.024	46	722	1.00	0.9059	a
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	95	2309	1.00	0.8791	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	96	876	5.00	4.14	
46 Ethyl acetate	70	4.061	4.049	0.013	93	342	2.00	1.52	
47 Methyl acrylate	55	4.103	4.097	0.006	96	1333	1.00	0.7740	
48 Propionitrile	54	4.176	4.170	0.006	97	2148	10.0	8.02	
50 Tetrahydrofuran	72	4.256	4.244	0.012	55	524	2.00	2.26	M
49 Chlorobromomethane	128	4.250	4.250	0.000	74	1114	1.00	0.8451	
51 Methacrylonitrile	67	4.280	4.274	0.006	89	6636	10.0	7.78	
52 Chloroform	83	4.304	4.298	0.006	98	3414	1.00	0.9032	
53 Cyclohexane	84	4.445	4.439	0.006	31	2648	1.00	0.9158	
54 1,1,1-Trichloroethane	97	4.445	4.451	-0.006	35	2796	1.00	0.8663	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122502	50.0	50.3	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	94	2386	1.00	0.8569	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	97	2433	1.00	0.8795	
58 Isobutyl alcohol	43	4.719	4.707	0.012	39	779	25.0	13.4	a
59 Isooctane	57	4.762	4.756	0.006	96	6246	1.00	0.8832	
60 Benzene	78	4.786	4.786	0.000	42	7787	1.00	0.9016	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119935	50.0	49.9	
63 Isopropyl acetate	61	4.847	4.841	0.006	94	905	1.00	0.8516	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	76	5021	1.00	0.7476	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	89	2272	1.00	0.8902	
65 n-Heptane	100	4.932	4.932	0.000	84	411	1.00	0.9296	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	470754	50.0	50.0	
67 n-Butanol	56	5.377	5.359	0.018	34	530	25.0	15.6	
68 Trichloroethene	95	5.408	5.408	0.000	93	1952	1.00	0.8669	
69 Methylcyclohexane	83	5.542	5.536	0.006	80	3030	1.00	0.8990	
70 Ethyl acrylate	99	5.536	5.536	0.000	95	252	1.00	0.8385	
71 1,2-Dichloropropane	63	5.707	5.695	0.012	76	1916	1.00	0.8640	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20362	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	90	867	2.00	1.63	
75 1,4-Dioxane	88	5.804	5.804	0.000	21	679	50.0	44.1	
74 Dibromomethane	93	5.822	5.823	-0.001	71	1038	1.00	0.7684	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	2073	1.00	0.8431	
77 Dichlorobromomethane	83	5.975	5.969	0.006	93	2135	1.00	0.7708	
78 2-Nitropropane	41	6.304	6.310	-0.006	82	1073	2.00	1.72	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	49	1132	1.00	0.8703	
80 Epichlorohydrin	57	6.414	6.408	0.006	98	2727	20.0	15.5	
81 cis-1,3-Dichloropropene	75	6.475	6.469	0.006	90	2685	1.00	0.8067	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	2868	5.00	3.82	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	448420	50.0	50.4	
84 Toluene	91	6.786	6.786	0.000	94	9352	1.00	0.9766	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.139	7.133	0.006	92	2269	1.00	0.7888	
86 Ethyl methacrylate	69	7.170	7.170	0.000	84	1770	1.00	0.7273	
87 1,1,2-Trichloroethane	83	7.347	7.347	-0.001	91	1290	1.00	0.7903	
88 Tetrachloroethene	166	7.389	7.389	0.000	92	1905	1.00	0.8093	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	88	2592	1.00	0.8662	
90 2-Hexanone	43	7.627	7.621	0.006	92	3667	5.00	3.65	
91 n-Butyl acetate	43	7.737	7.737	0.000	96	2072	1.00	0.7708	
92 Chlorodibromomethane	129	7.779	7.779	0.000	96	1697	1.00	0.7999	
93 Ethylene Dibromide	107	7.932	7.932	0.000	96	1538	1.00	0.8083	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	351470	50.0	50.0	
95 Chlorobenzene	112	8.511	8.517	-0.006	98	4997	1.00	0.8222	
96 Ethylbenzene	106	8.621	8.621	0.000	98	2440	1.00	0.7642	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	89	1725	1.00	0.7723	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	3240	1.00	0.8299	
100 n-Butyl acrylate	73	9.291	9.291	0.000	57	1199	1.00	0.7826	
99 o-Xylene	106	9.297	9.297	0.000	94	3239	1.00	0.8125	
101 Styrene	104	9.328	9.328	0.000	96	4465	1.00	0.7473	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	94	2417	1.00	0.7340	
102 Bromoform	173	9.566	9.566	0.000	69	1266	1.00	0.8400	
104 Isopropylbenzene	105	9.718	9.718	0.000	96	7874	1.00	0.8062	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	146738	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	93	2443	1.00	0.9050	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	96	1931	1.00	0.7799	
108 N-Propylbenzene	91	10.169	10.169	0.000	99	9757	1.00	0.8335	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	89	508	1.00	0.7373	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	61	540	1.00	0.9585	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	6662	1.00	0.8300	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	7954	1.00	0.7999	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	92	6343	1.00	0.7678	
114 4-Chlorotoluene	91	10.401	10.401	0.000	95	6576	1.00	0.8913	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	1834	1.00	0.5649	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	5823	1.00	0.8014	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	7049	1.00	0.8069	
118 sec-Butylbenzene	105	10.882	10.889	-0.007	98	8806	1.00	0.7999	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	94	4185	1.00	0.8006	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	96	7171	1.00	0.7587	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	201657	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	94	4500	1.00	0.8531	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	7806	1.00	0.8229	
124 Benzyl chloride	91	11.248	11.248	0.000	98	3780	1.00	0.7800	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	93	7225	1.00	0.7928	
126 p-Diethylbenzene	119	11.370	11.370	0.000	96	5293	1.00	0.8471	
127 n-Butylbenzene	92	11.395	11.395	-0.001	96	4074	1.00	0.8148	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	96	4439	1.00	0.8451	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	7702	1.00	0.7936	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	86	411	1.00	0.6670	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	3743	1.00	0.8034	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	93	3611	1.00	0.8121	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	91	1444	1.00	0.7810	
134 Naphthalene	128	12.925	12.925	0.000	99	8643	1.00	0.8490	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	94	3694	1.00	0.8443	
S 136 1,2-Dichloroethene, Total	100				0		2.00	1.71	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		2.00	1.64	
S 139 1,3-Dichloropropene, Total	1				0		2.00	1.60	
S 140 Total BTEX	1				0		5.00	4.28	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

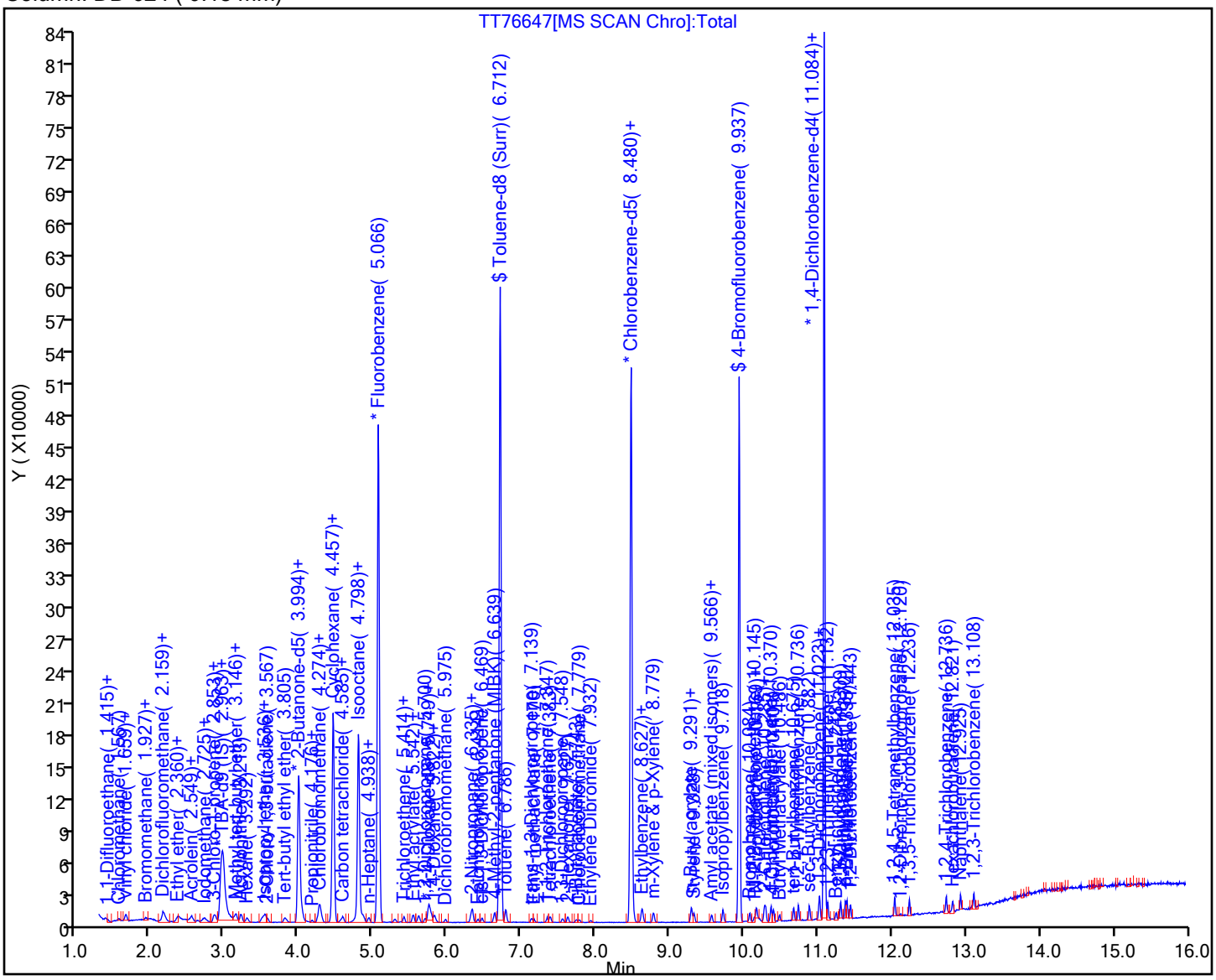
Reagents:

524FREONS_00015	Amount Added:	10.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	10.00	Units: uL	
14DIOXINTER_00166	Amount Added:	30.00	Units: uL	
GASES Li_00572	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:12 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

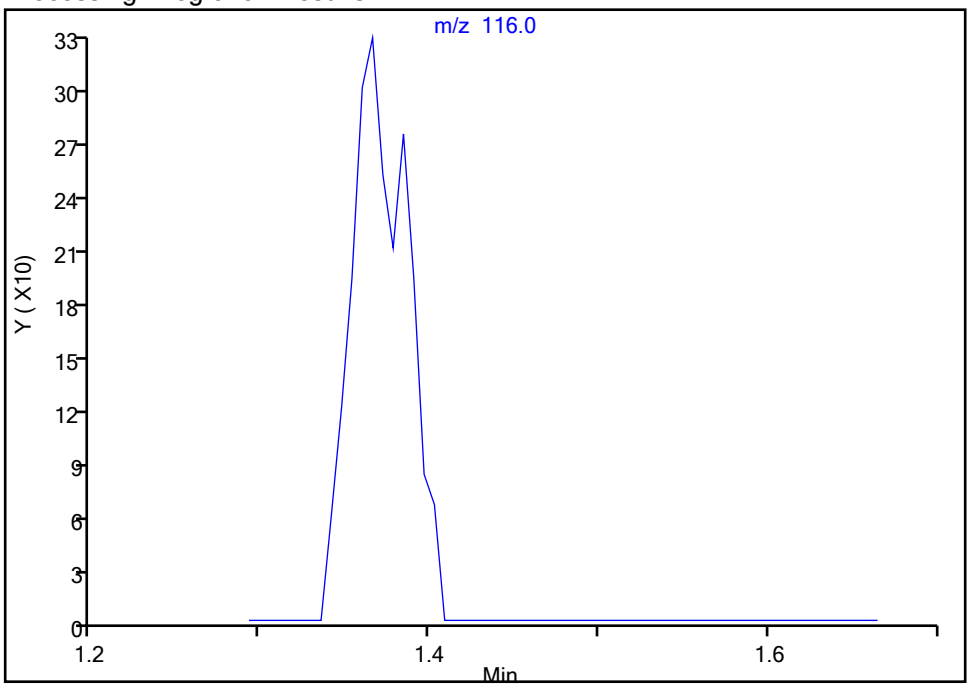
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

3 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

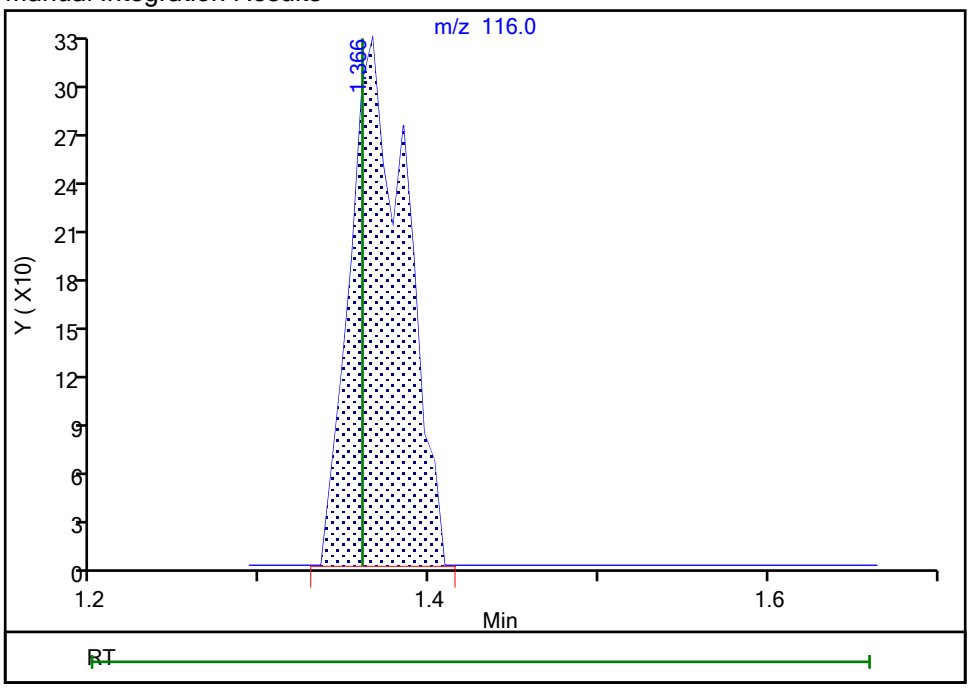
Not Detected
Expected RT: 1.36

Processing Integration Results



Manual Integration Results

RT: 1.37
Area: 756
Amount: 0.909207
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:41 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

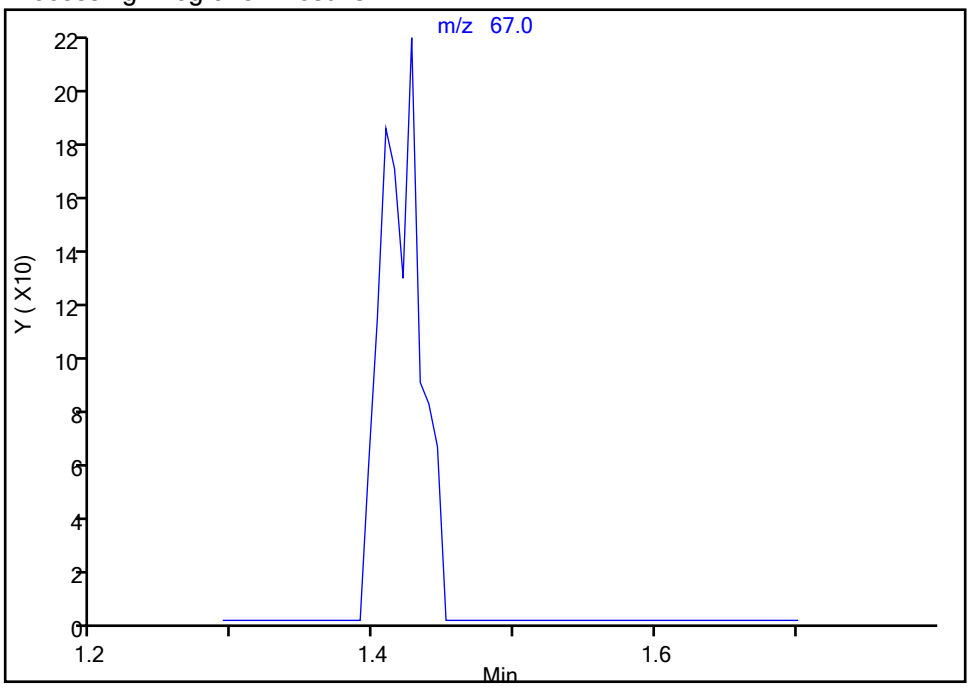
Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D		
Injection Date:	22-Feb-2024 08:03:30	Instrument ID:	CVOAMS17
Lims ID:	STD1		
Client ID:			
Operator ID:		ALS Bottle#:	4 Worklist Smp#: 5
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid
Column:	DB-624 (0.18 mm)	Detector	MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

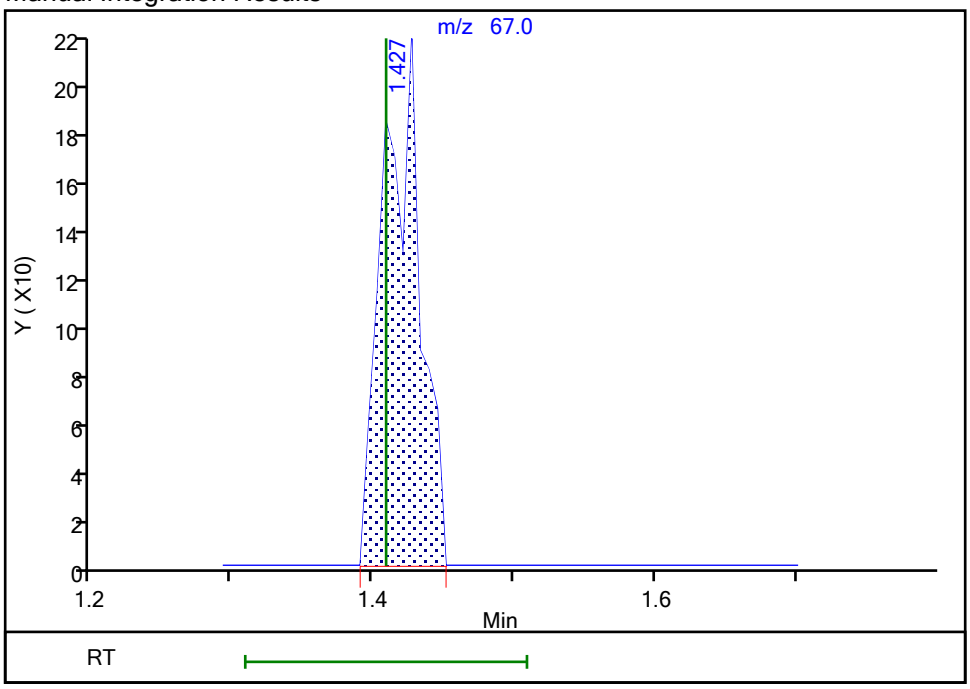
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.43
Area: 405
Amount: 1.029104
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:48 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

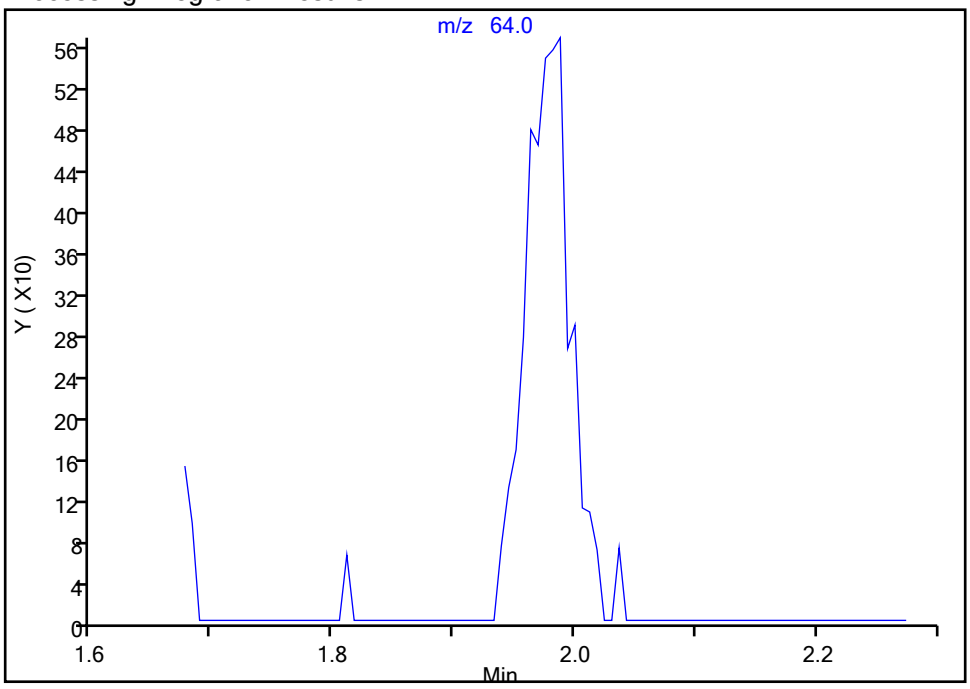
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

10 Chloroethane, CAS: 75-00-3

Signal: 1

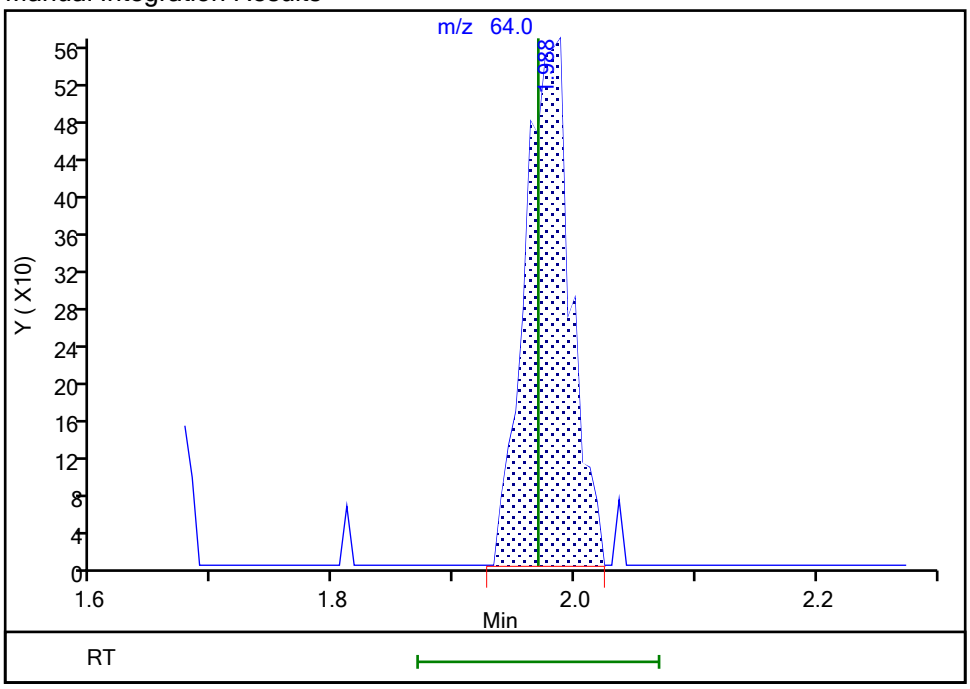
Not Detected
Expected RT: 1.97

Processing Integration Results



Manual Integration Results

RT: 1.99
Area: 1503
Amount: 0.928506
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:13:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

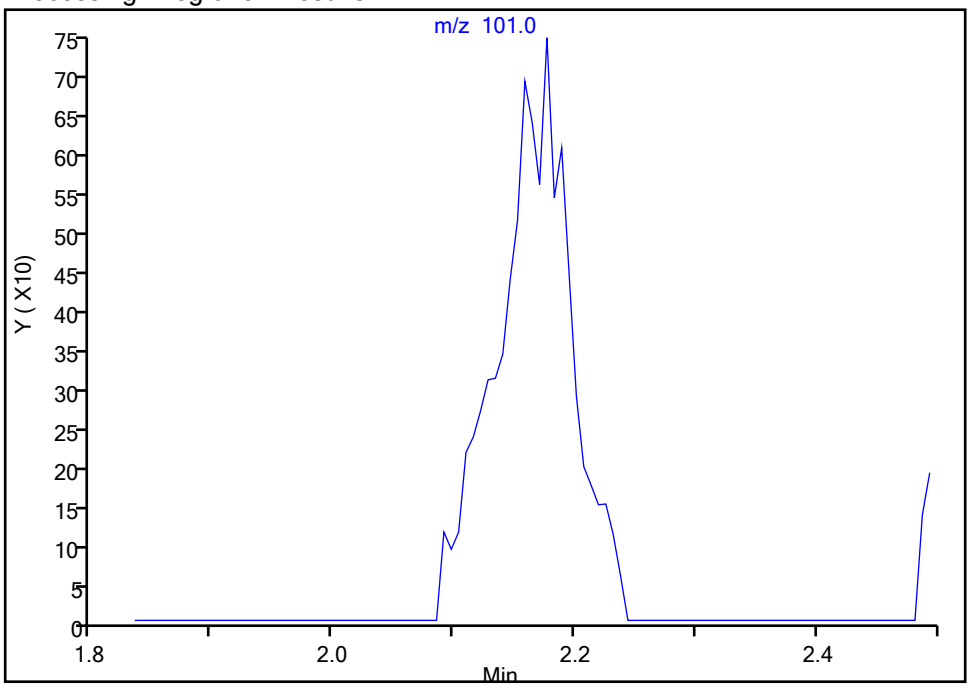
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

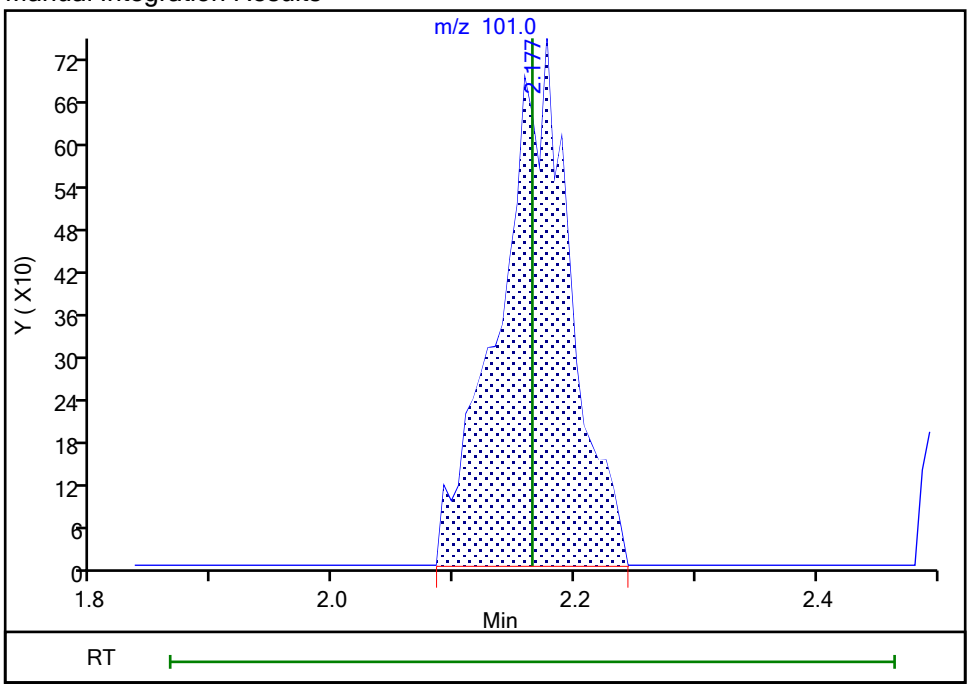
Not Detected
Expected RT: 2.16

Processing Integration Results



Manual Integration Results

RT: 2.18
Area: 3031
Amount: 0.943872
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

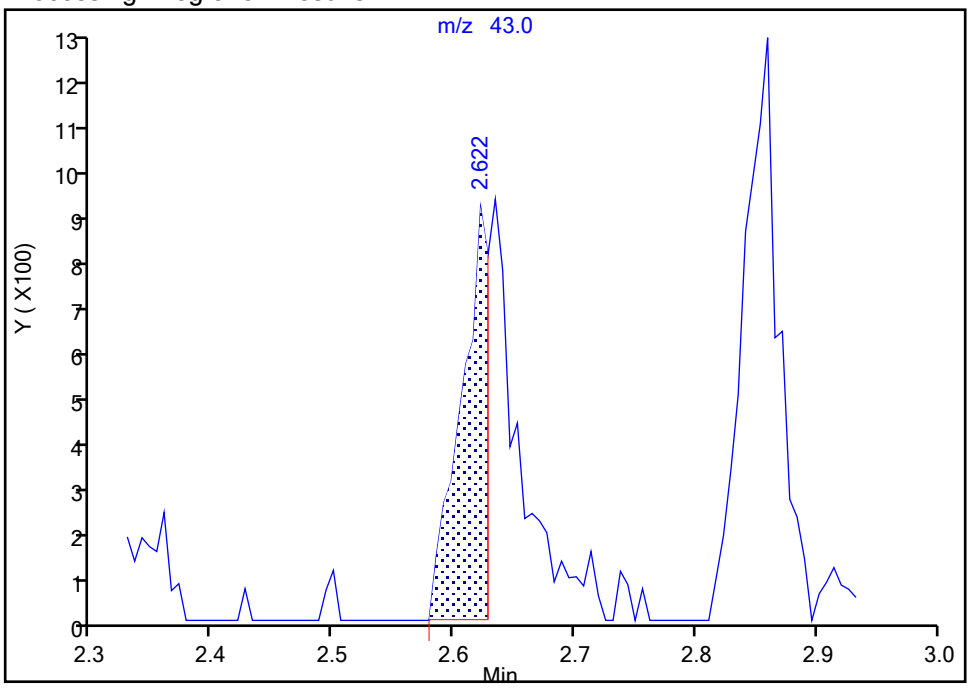
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

22 Acetone, CAS: 67-64-1

Signal: 1

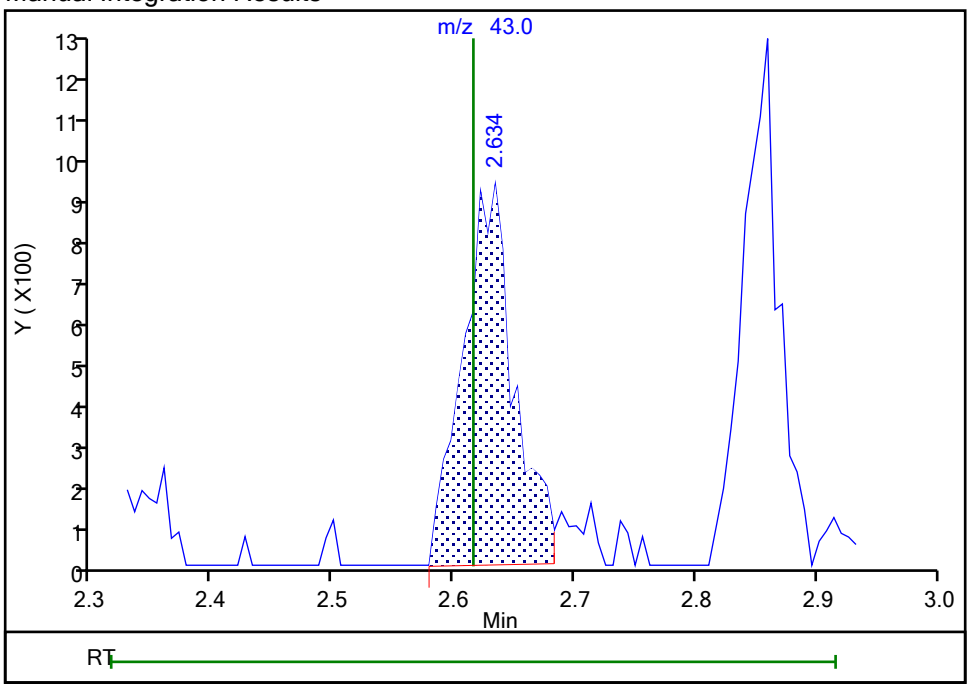
Processing Integration Results

RT: 2.62
Area: 1465
Amount: 2.806634
Amount Units: ug/l



Manual Integration Results

RT: 2.63
Area: 2716
Amount: 5.113218
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:20 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

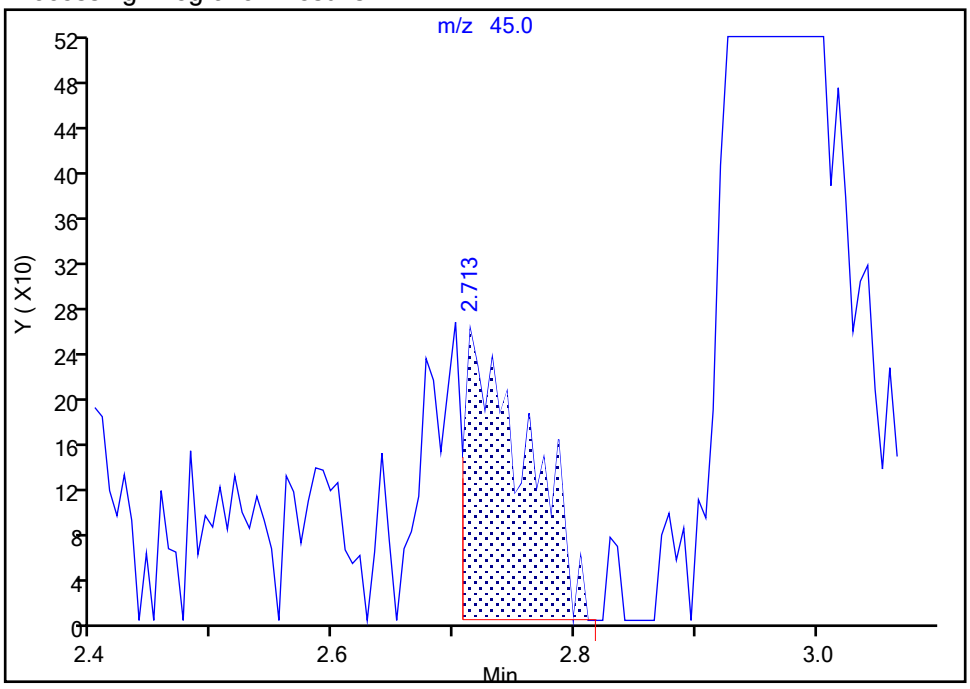
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

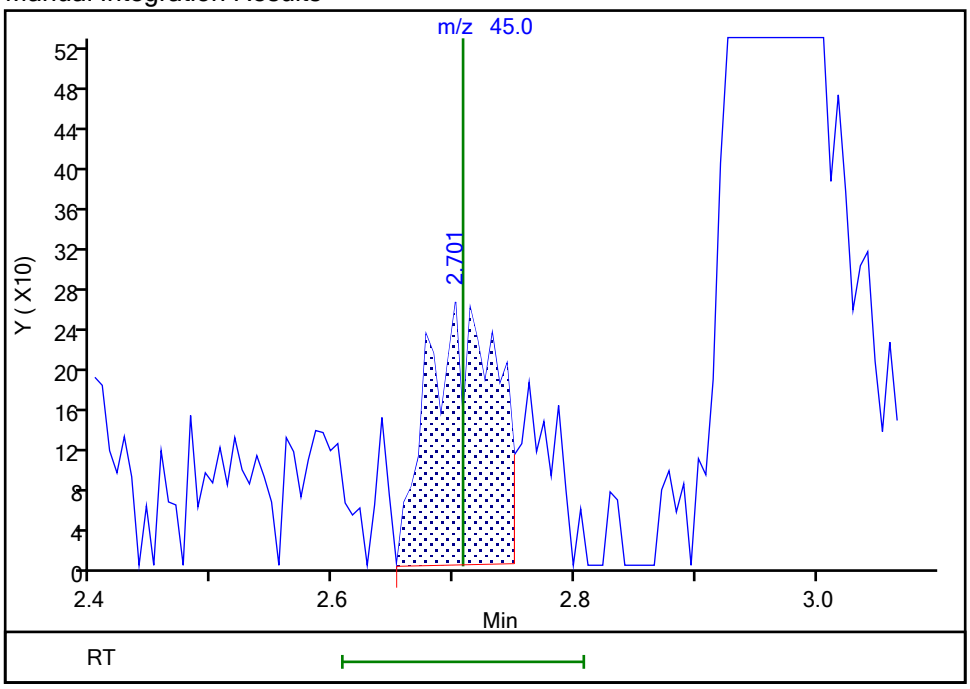
Processing Integration Results

RT: 2.71
Area: 902
Amount: 10.874746
Amount Units: ug/l



Manual Integration Results

RT: 2.70
Area: 1033
Amount: 12.134697
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:14:38 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

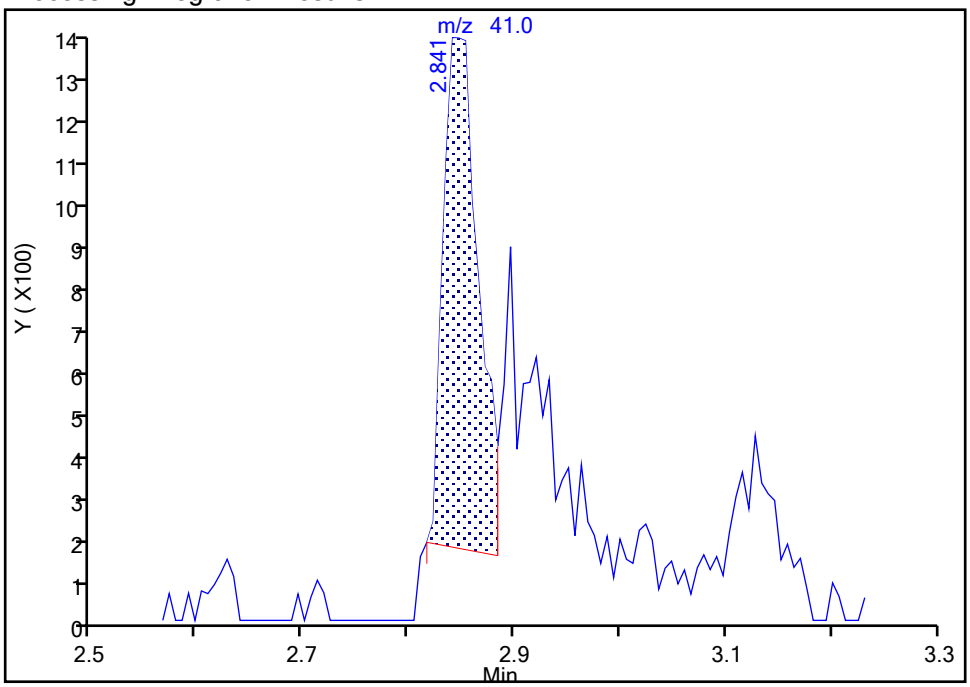
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

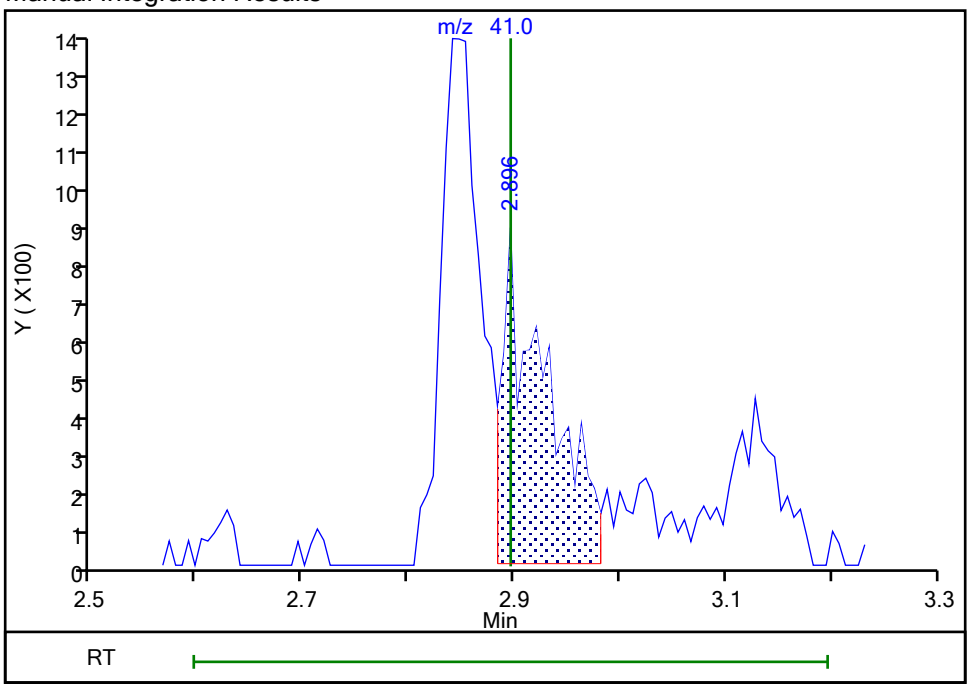
Processing Integration Results

RT: 2.84
Area: 2669
Amount: 10.982725
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 2482
Amount: 9.422564
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:24:54 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

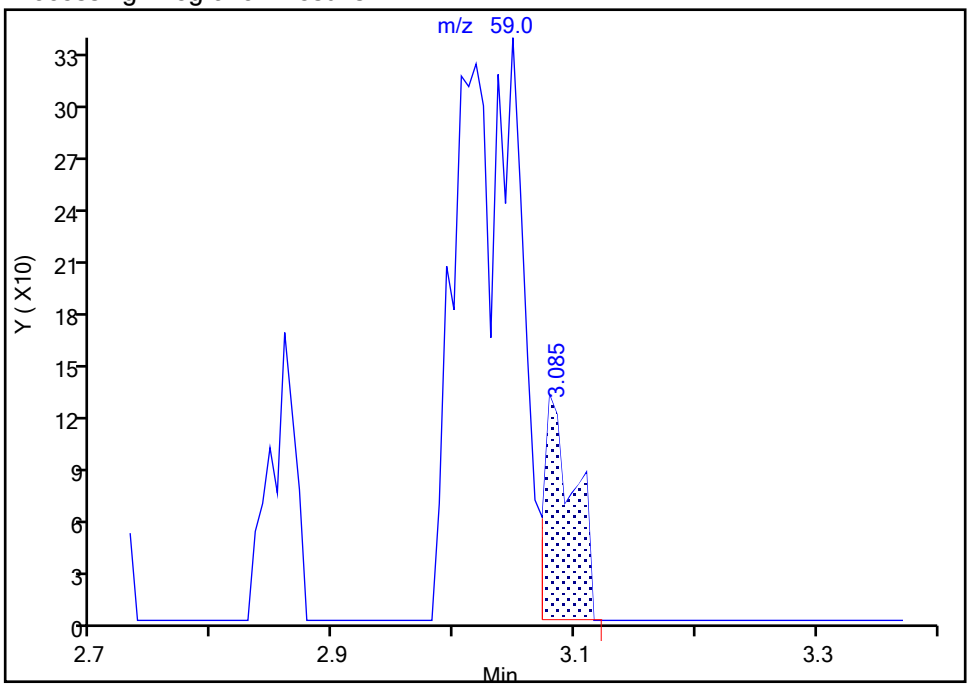
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

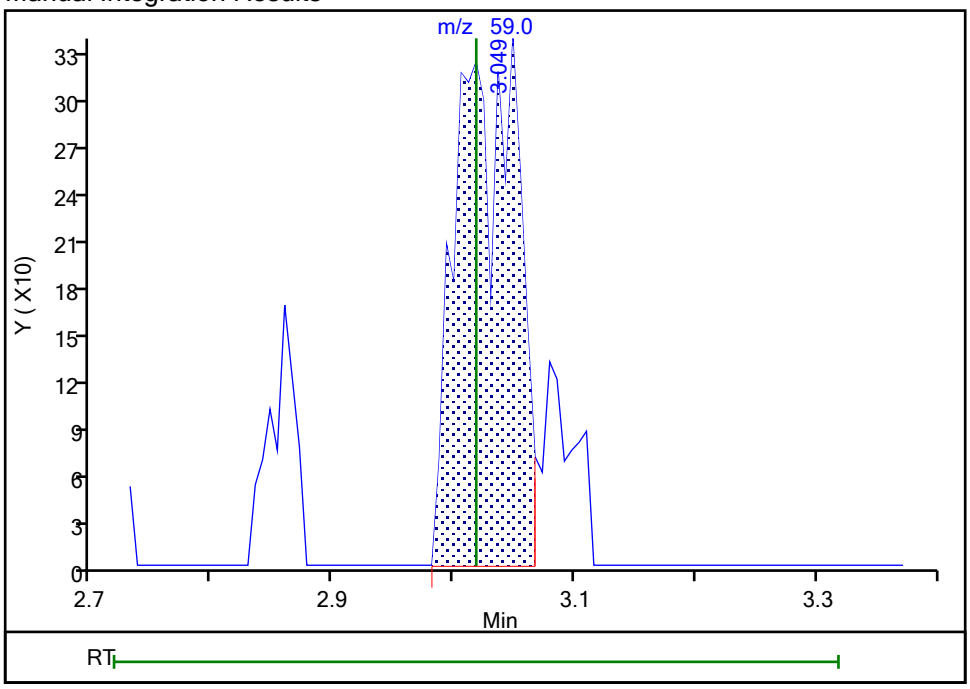
Processing Integration Results

RT: 3.09
Area: 222
Amount: 1.591457
Amount Units: ug/l



Manual Integration Results

RT: 3.05
Area: 1169
Amount: 7.639357
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:25:14 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Edison

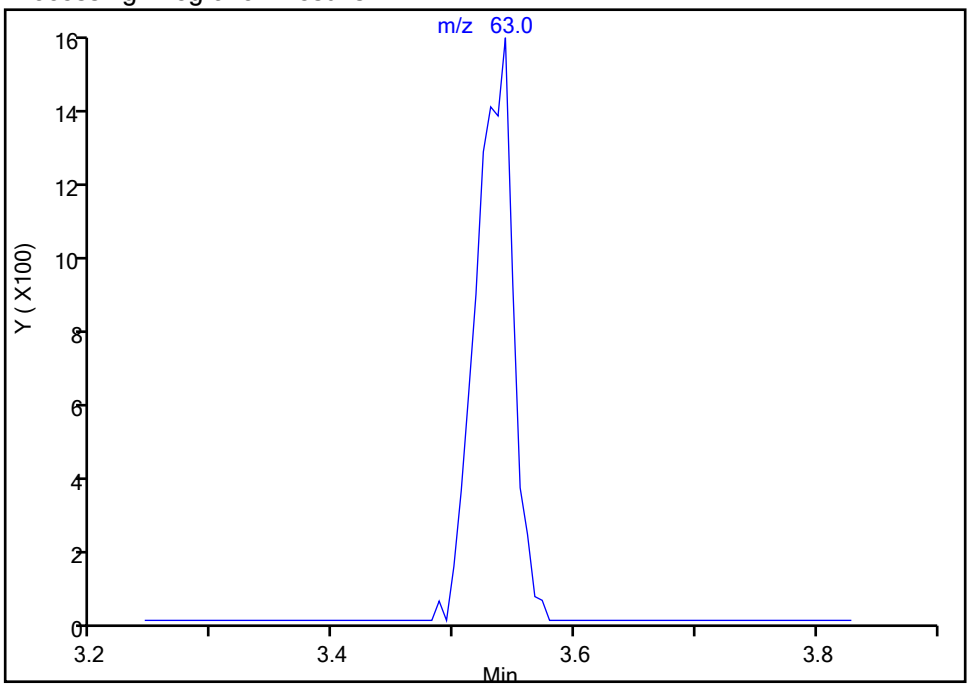
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

38 1,1-Dichloroethane, CAS: 75-34-3

Signal: 1

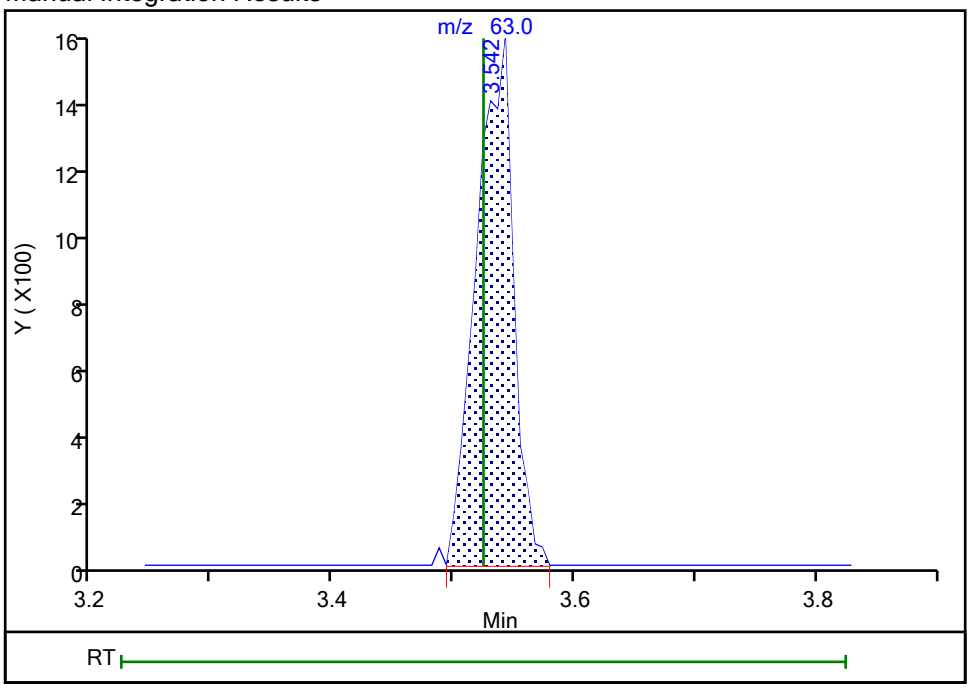
Not Detected
Expected RT: 3.52

Processing Integration Results



Manual Integration Results

RT: 3.54
Area: 3295
Amount: 0.854129
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:21 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

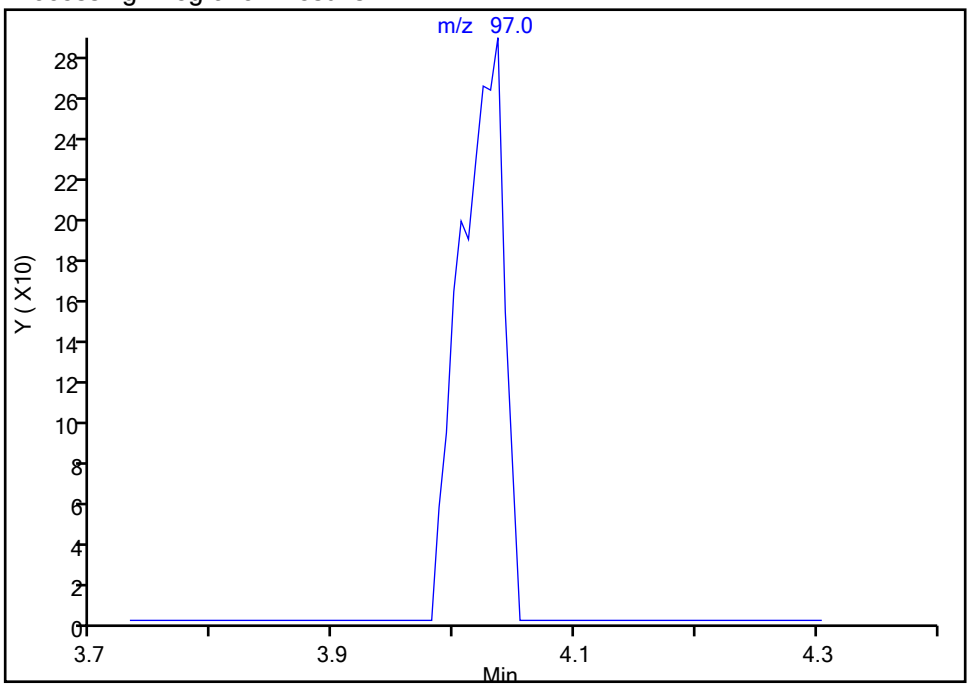
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

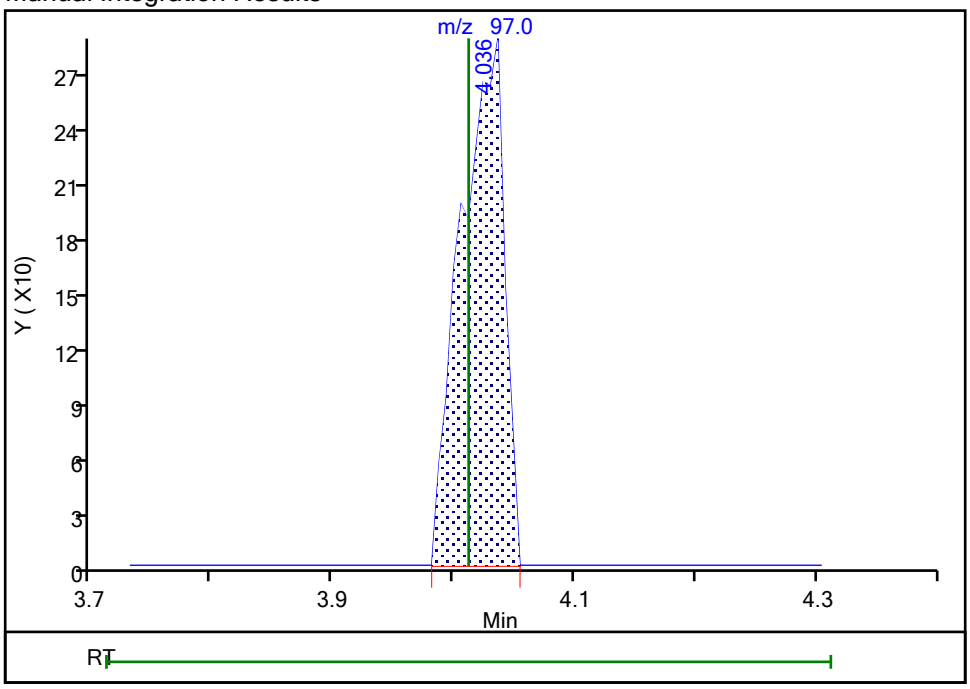
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.04
Area: 722
Amount: 0.905896
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:31 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

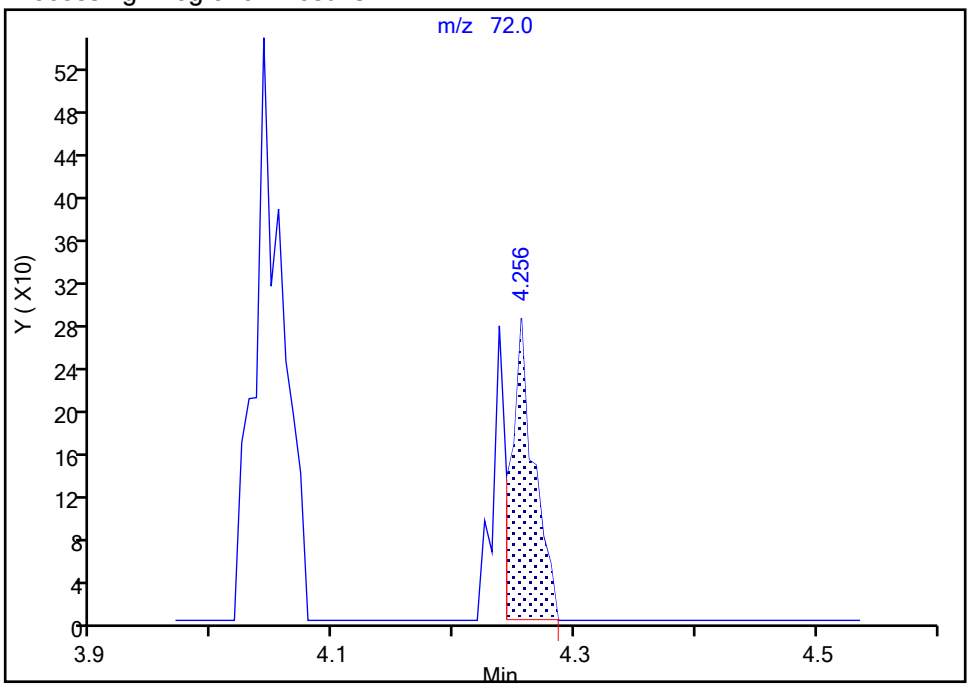
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

50 Tetrahydrofuran, CAS: 109-99-9

Signal: 1

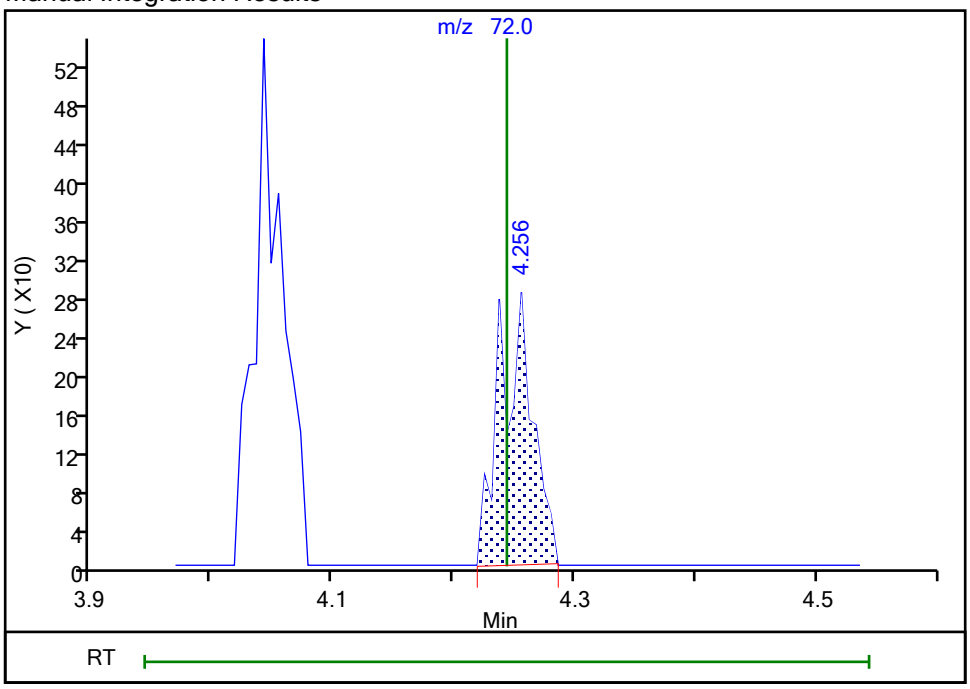
Processing Integration Results

RT: 4.26
Area: 368
Amount: 1.333119
Amount Units: ug/l



Manual Integration Results

RT: 4.26
Area: 524
Amount: 2.257193
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:15:55 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins Edison

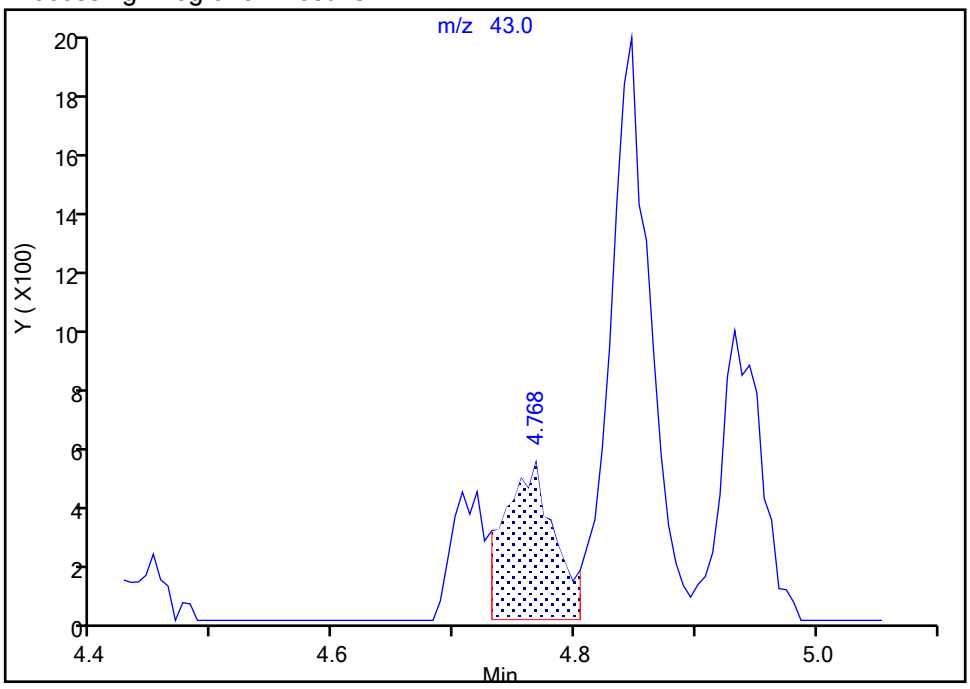
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76647.D
Injection Date: 22-Feb-2024 08:03:30 Instrument ID: CVOAMS17
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

58 Isobutyl alcohol, CAS: 78-83-1

Signal: 1

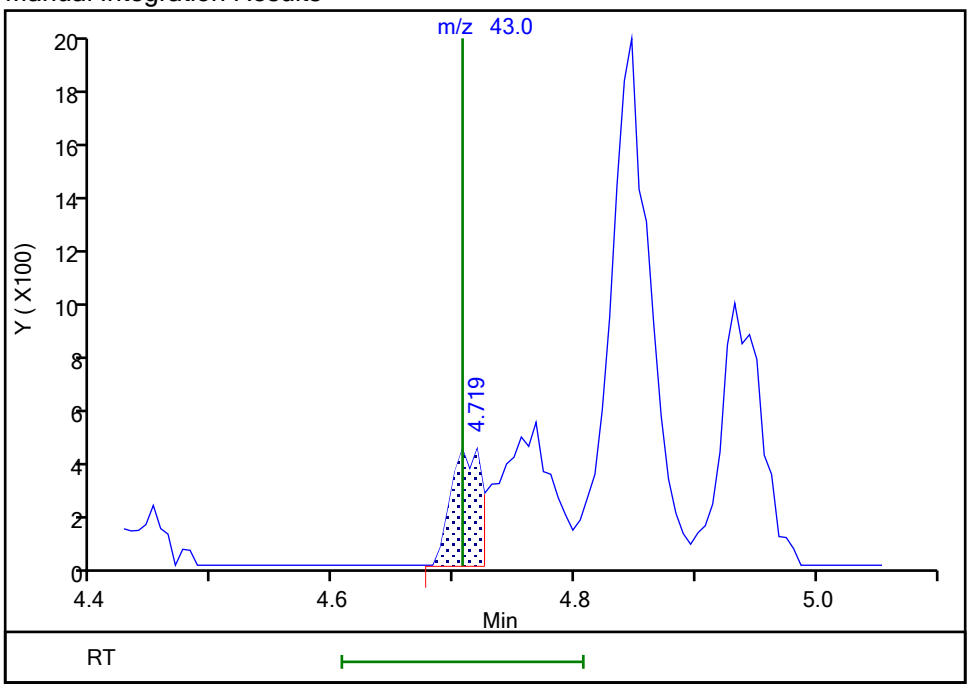
Processing Integration Results

RT: 4.77
Area: 1575
Amount: 28.836942
Amount Units: ug/l



Manual Integration Results

RT: 4.72
Area: 779
Amount: 13.422486
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:16:36 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 22-Feb-2024 08:23:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0172593-006
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:00:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	54	4072	5.00	5.15	
2 1,1-Difluoroethane	65	1.378	1.378	0.000	96	6230	5.00	5.78	
4 Dichlorodifluoromethane	85	1.397	1.397	0.000	96	14714	5.00	5.36	
5 Chlorodifluoromethane	67	1.415	1.415	0.000	97	2218	5.00	5.93	a
6 Chloromethane	50	1.561	1.561	0.000	98	14036	5.00	4.81	
7 Vinyl chloride	62	1.647	1.647	0.000	87	13659	5.00	5.05	
8 Butadiene	54	1.659	1.659	0.000	95	12216	5.00	5.24	
9 Bromomethane	94	1.921	1.921	0.000	99	11061	5.00	5.44	
10 Chloroethane	64	1.976	1.976	0.000	98	8317	5.00	5.41	
11 Dichlorofluoromethane	67	2.153	2.153	0.000	99	23981	5.00	5.27	
13 Pentane	72	2.159	2.159	0.000	97	3539	10.0	16.5	a
12 Trichlorofluoromethane	101	2.165	2.165	0.000	73	16126	5.00	5.29	
15 Ethyl ether	74	2.348	2.348	0.000	91	7090	5.00	5.09	
14 Ethanol	46	2.311	2.311	0.000	71	1014	200.0	159.0	a
16 2-Methyl-1,3-butadiene	53	2.372	2.372	0.000	94	9229	5.00	5.97	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.415	0.000	84	11159	5.00	5.17	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.464	2.464	0.000	87	17472	5.00	5.32	
19 Acrolein	56	2.512	2.512	0.000	95	7426	20.0	19.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.531	2.531	0.000	91	10209	5.00	5.16	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	95	11859	5.00	5.71	
22 Acetone	43	2.616	2.616	0.000	89	11300	25.0	22.7	
23 Iodomethane	142	2.695	2.695	0.000	96	21727	5.00	5.43	
25 Isopropyl alcohol	45	2.695	2.695	0.000	30	3393	50.0	42.8	
24 Carbon disulfide	76	2.726	2.726	0.000	99	39901	5.00	5.34	
26 3-Chloro-1-propene	76	2.848	2.848	0.000	94	7147	5.00	5.36	
27 Methyl acetate	43	2.854	2.854	0.000	88	13865	10.0	10.2	
28 Cyclopentene	67	2.866	2.866	0.000	93	22102	5.00	5.51	
29 Acetonitrile	41	2.909	2.909	0.000	97	11950	50.0	48.4	
* 31 TBA-d9 (IS)	66	2.963	2.963	0.000	0	26487	1000.0	1000.0	
30 Methylene Chloride	84	2.970	2.970	0.000	91	12919	5.00	5.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.037	3.037	0.000	97	6910	50.0	48.5	
33 Methyl tert-butyl ether	73	3.122	3.122	0.000	97	32419	5.00	5.11	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	92	12461	5.00	5.40	
35 Acrylonitrile	53	3.213	3.213	0.000	96	38302	50.0	51.8	
36 Hexane	57	3.299	3.299	0.000	92	13042	5.00	5.20	
37 Isopropyl ether	45	3.500	3.500	0.000	98	34270	5.00	5.15	
38 1,1-Dichloroethane	63	3.530	3.530	0.000	99	19122	5.00	5.22	
39 Vinyl acetate	86	3.536	3.536	0.000	100	4481	10.0	11.0	
40 2-Chloro-1,3-butadiene	88	3.573	3.573	0.000	88	9028	5.00	5.09	
41 Tert-butyl ethyl ether	59	3.817	3.817	0.000	89	33259	5.00	5.26	
* 42 2-Butanone-d5	46	3.994	3.994	0.000	0	181647	250.0	250.0	
43 2,2-Dichloropropane	97	4.024	4.024	0.000	47	4321	5.00	5.71	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	97	12847	5.00	5.15	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	5350	25.0	27.0	
46 Ethyl acetate	70	4.049	4.049	0.000	93	2416	10.0	11.5	
47 Methyl acrylate	55	4.097	4.097	0.000	98	8336	5.00	5.09	
48 Propionitrile	54	4.171	4.171	0.000	98	12758	50.0	51.2	
50 Tetrahydrofuran	72	4.244	4.244	0.000	65	2635	10.0	9.84	
49 Chlorobromomethane	128	4.250	4.250	0.000	77	6876	5.00	5.49	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	41562	50.0	51.3	
52 Chloroform	83	4.305	4.305	0.000	98	18881	5.00	5.26	
53 Cyclohexane	84	4.433	4.433	0.000	89	15760	5.00	5.74	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	74	16240	5.00	5.30	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	97	113888	50.0	49.2	
56 Carbon tetrachloride	117	4.561	4.561	0.000	96	14367	5.00	5.43	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	14382	5.00	5.47	
58 Isobutyl alcohol	43	4.713	4.713	0.000	90	4895	125.0	90.6	
59 Isooctane	57	4.756	4.756	0.000	98	34306	5.00	5.11	
60 Benzene	78	4.786	4.786	0.000	95	44163	5.00	5.29	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	111750	50.0	49.0	
63 Isopropyl acetate	61	4.847	4.847	0.000	86	5519	5.00	5.47	
62 Tert-amyl methyl ether	73	4.853	4.853	0.000	97	33028	5.00	5.18	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	96	12393	5.00	5.11	
65 n-Heptane	100	4.939	4.939	0.000	89	2418	5.00	4.68	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	447271	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	90	2915	125.0	92.2	
68 Trichloroethene	95	5.414	5.414	0.000	95	10919	5.00	5.10	
69 Methylcyclohexane	83	5.536	5.536	0.000	80	17607	5.00	5.50	
70 Ethyl acrylate	99	5.536	5.536	0.000	95	1488	5.00	5.21	
71 1,2-Dichloropropane	63	5.695	5.695	0.000	93	10613	5.00	5.04	
* 72 1,4-Dioxane-d8	96	5.749	5.749	0.000	0	19692	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.774	0.000	83	5101	10.0	10.1	
75 1,4-Dioxane	88	5.810	5.810	0.000	78	1378	100.0	92.5	
74 Dibromomethane	93	5.823	5.823	0.000	94	6766	5.00	5.27	
76 n-Propyl acetate	43	5.835	5.835	0.000	98	11583	5.00	4.96	
77 Dichlorobromomethane	83	5.975	5.975	0.000	99	13364	5.00	5.08	
78 2-Nitropropane	41	6.304	6.304	0.000	81	3866	10.0	9.06	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	84	5966	5.01	4.83	
80 Epichlorohydrin	57	6.414	6.414	0.000	98	16739	100.0	101.9	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	90	16398	5.00	5.10	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	17017	25.0	24.2	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	429462	50.0	49.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	92	46725	5.00	5.05	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	14210	5.00	5.11	
86 Ethyl methacrylate	69	7.170	7.170	0.000	89	11116	5.00	4.72	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	96	7904	5.00	5.01	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	12117	5.00	5.32	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	90	14722	5.00	5.09	
90 2-Hexanone	43	7.621	7.621	0.000	94	24069	25.0	25.5	
91 n-Butyl acetate	43	7.743	7.743	0.000	99	12604	5.00	4.85	
92 Chlorodibromomethane	129	7.786	7.786	0.000	98	10059	5.00	4.90	
93 Ethylene Dibromide	107	7.932	7.932	0.000	96	9543	5.00	5.19	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	84	339827	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	96	30041	5.00	5.11	
96 Ethylbenzene	106	8.621	8.621	0.000	97	15879	5.00	5.14	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.639	0.000	96	10672	5.00	4.94	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	19036	5.00	5.04	
100 n-Butyl acrylate	73	9.291	9.291	0.000	94	6637	5.00	4.48	
99 o-Xylene	106	9.291	9.291	0.000	96	19448	5.00	5.05	
101 Styrene	104	9.328	9.328	0.000	98	28489	5.00	4.93	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	14690	5.00	4.68	
102 Bromoform	173	9.566	9.566	0.000	65	6941	5.00	4.76	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	49426	5.00	5.23	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	139097	50.0	49.2	
106 Bromobenzene	156	10.084	10.084	0.000	94	13018	5.00	5.06	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	97	12417	5.00	5.26	
108 N-Propylbenzene	91	10.169	10.169	0.000	99	58953	5.00	5.28	
109 1,2,3-Trichloropropane	110	10.188	10.188	0.000	96	3713	5.00	5.65	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.218	0.000	75	2664	5.00	4.96	a
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	39501	5.00	5.16	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	50286	5.00	5.30	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	40977	5.00	5.20	
114 4-Chlorotoluene	91	10.401	10.401	0.000	97	36597	5.00	5.20	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	12023	5.00	3.89	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	35048	5.00	5.06	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	96	43334	5.00	5.20	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	54834	5.00	5.22	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	98	26594	5.00	5.34	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	47261	5.00	5.25	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	192248	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	95	25977	5.00	5.17	
123 1,2,3-Trimethylbenzene	105	11.133	11.133	0.000	97	47015	5.00	5.20	
124 Benzyl chloride	91	11.248	11.248	0.000	99	21994	5.00	4.76	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	44645	5.00	5.14	
126 p-Diethylbenzene	119	11.370	11.370	0.000	94	30234	5.00	5.08	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	25033	5.00	5.25	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	25892	5.00	5.17	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.041	0.000	98	46442	5.00	5.02	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	2805	5.00	4.77	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	22817	5.00	5.14	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	22013	5.00	5.19	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	9112	5.00	5.17	
134 Naphthalene	128	12.925	12.925	0.000	100	50725	5.00	5.23	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	22003	5.00	5.28	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		10.0	10.5	
S 137 Xylenes, Total	100				0		10.0	10.1	
S 139 1,3-Dichloropropene, Total	1				0		10.0	10.2	
S 140 Total BTEX	1				0		25.0	25.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

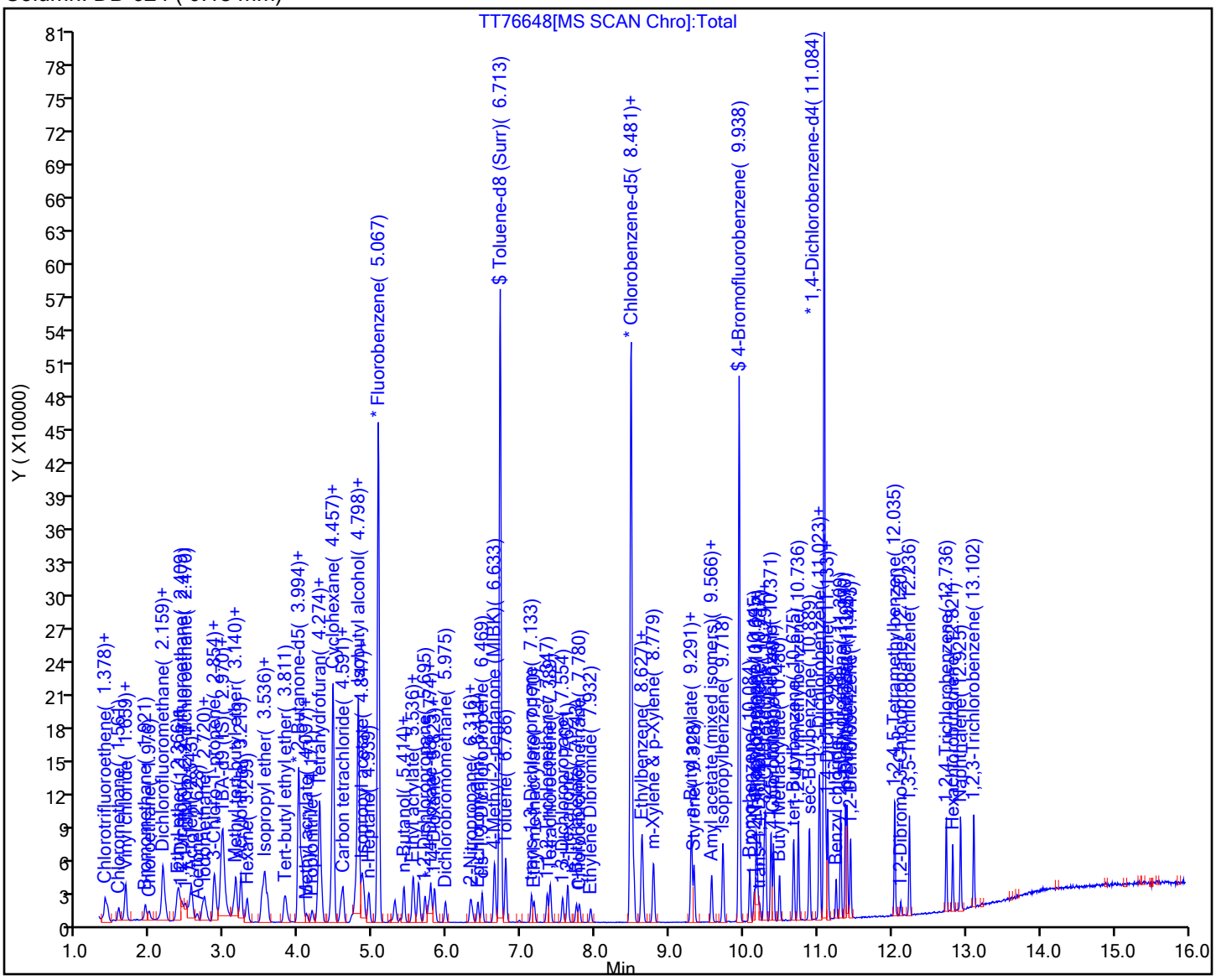
Reagents:

524FREONS_00015	Amount Added:	10.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	10.00	Units: uL	
GASES Li_00572	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:33 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

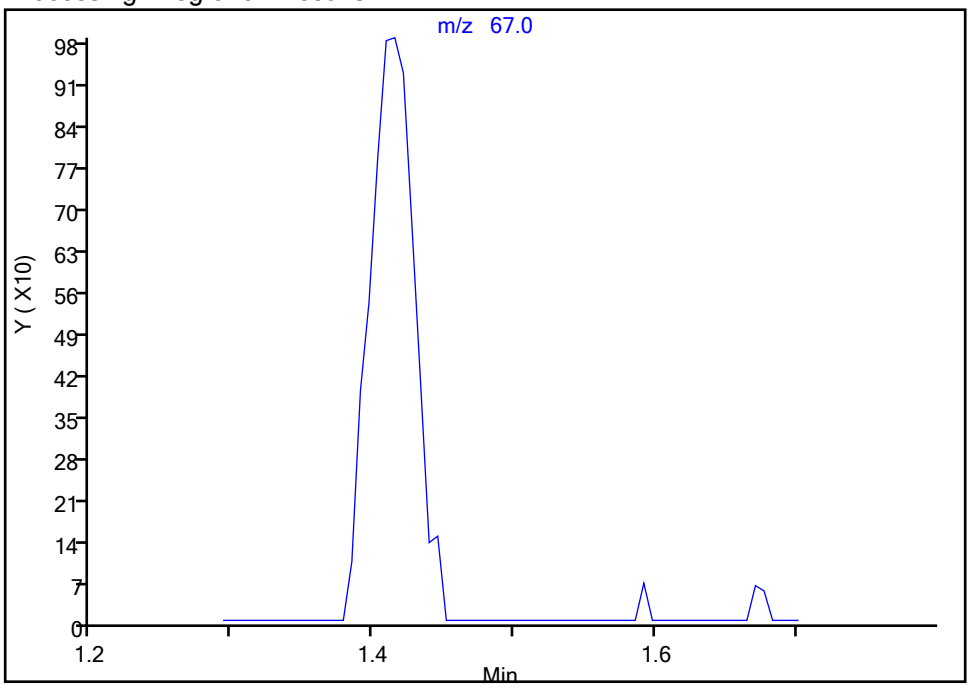
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

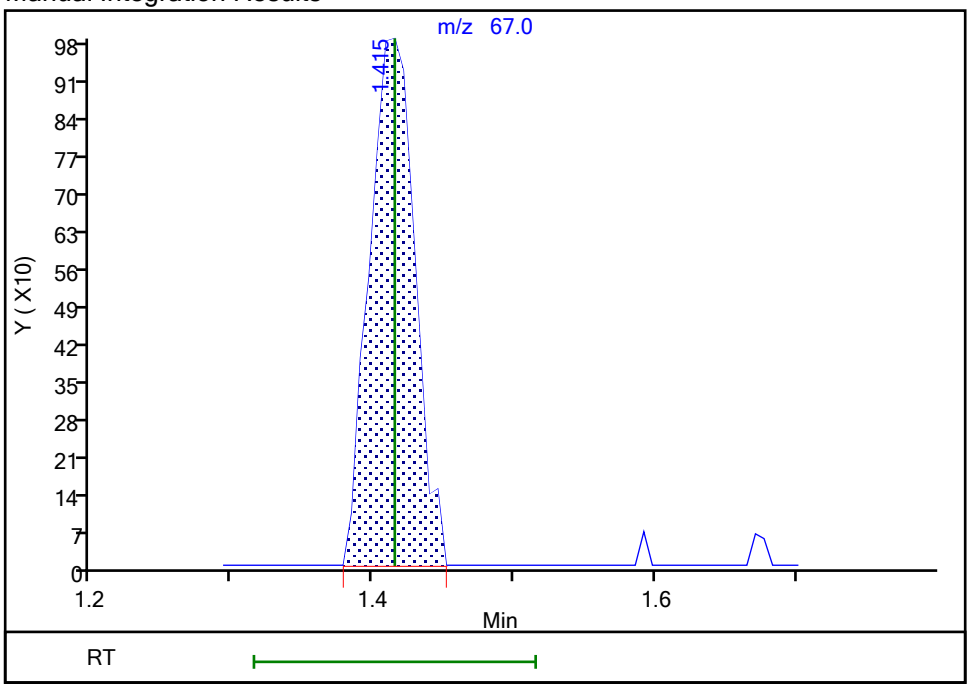
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 2218
Amount: 5.931837
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:08:53 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

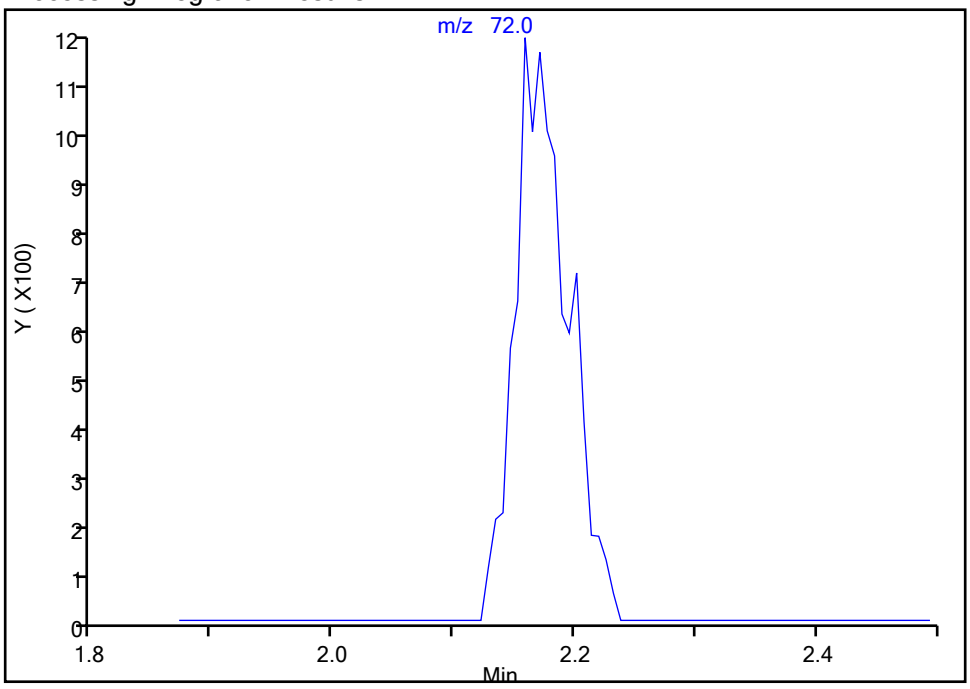
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

13 Pentane, CAS: 109-66-0

Signal: 1

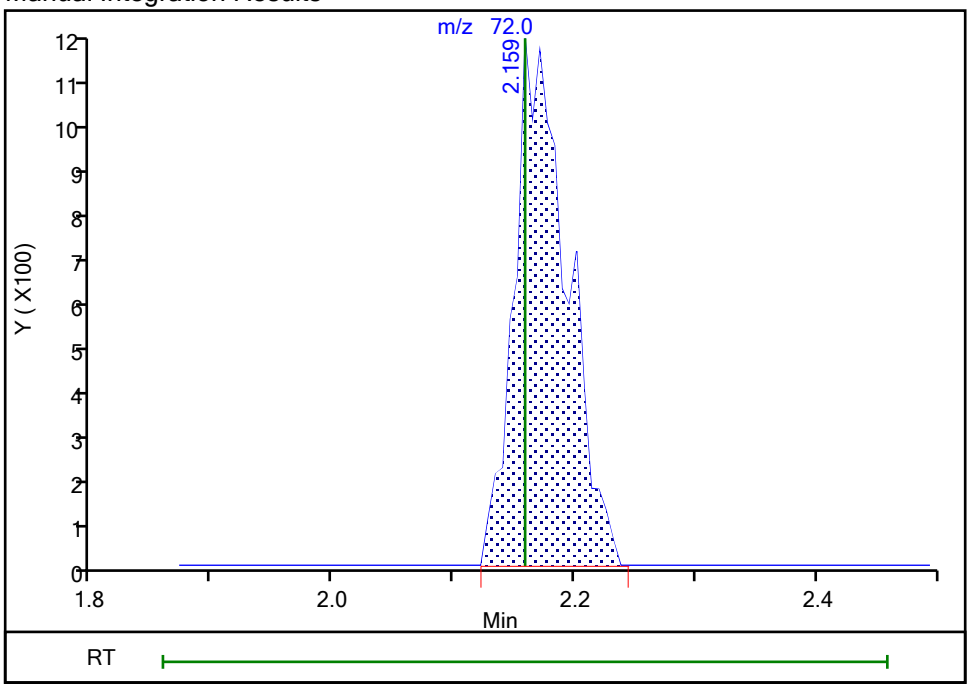
Not Detected
Expected RT: 2.16

Processing Integration Results



Manual Integration Results

RT: 2.16
Area: 3539
Amount: 16.484353
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:04 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

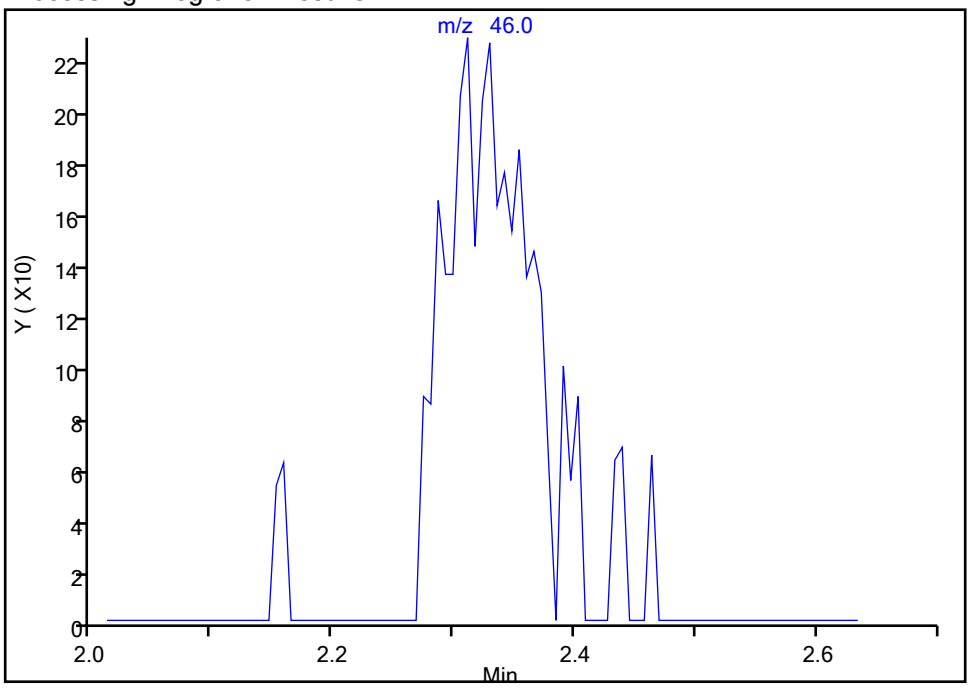
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

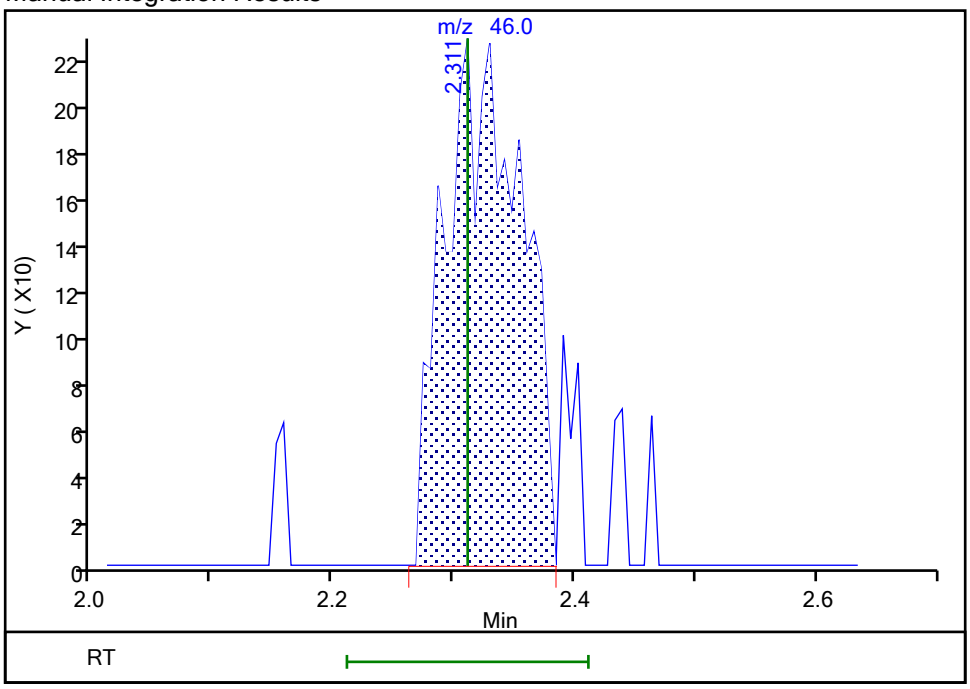
Not Detected
Expected RT: 2.31

Processing Integration Results



Manual Integration Results

RT: 2.31
Area: 1014
Amount: 158.9782
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

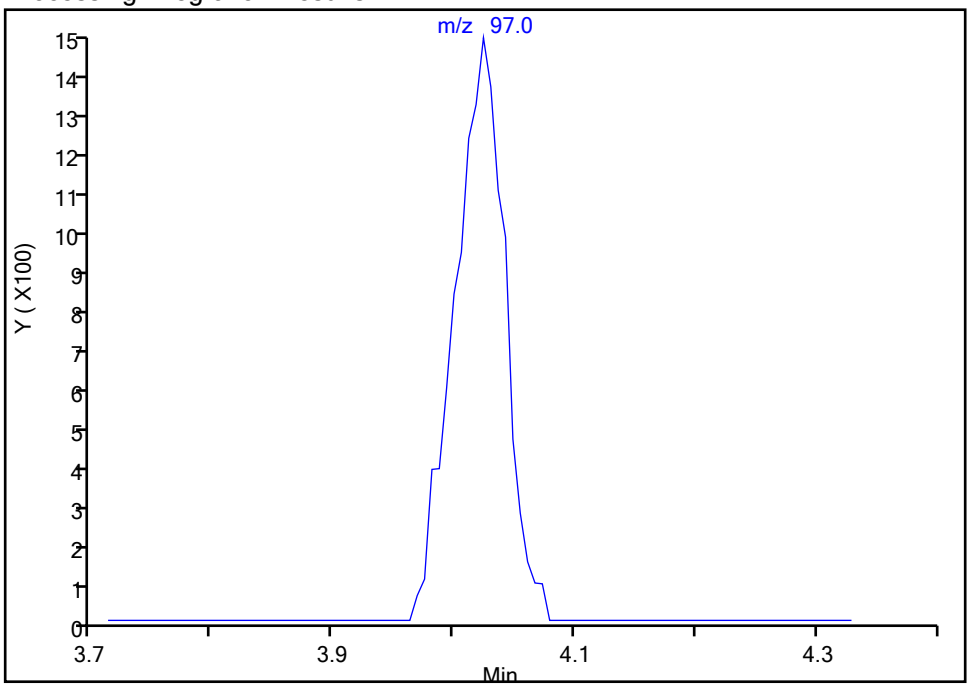
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

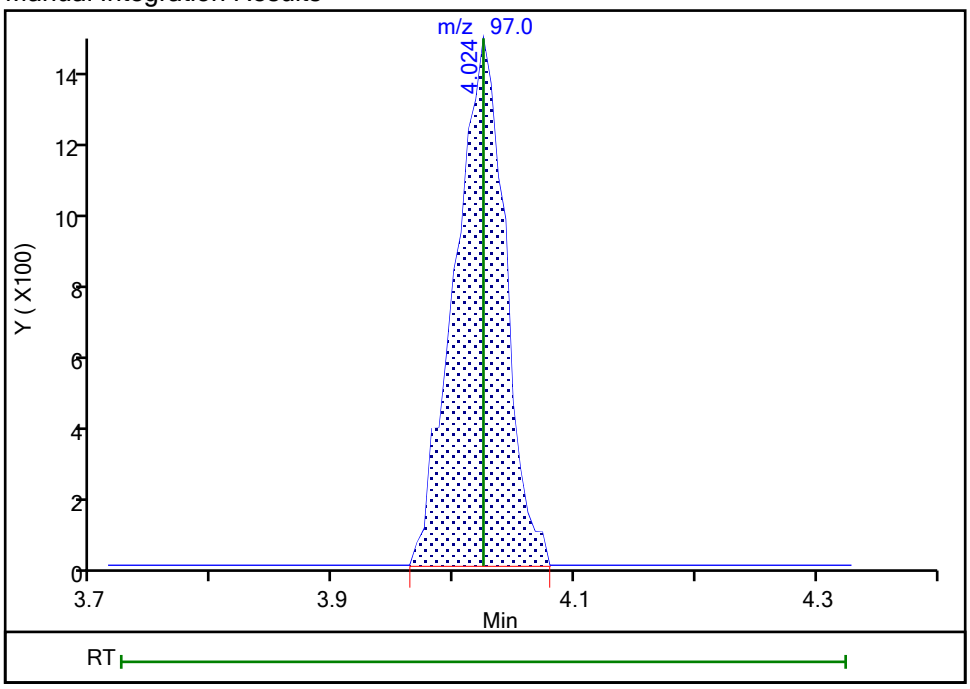
Not Detected
Expected RT: 4.02

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 4321
Amount: 5.706220
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:09:33 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

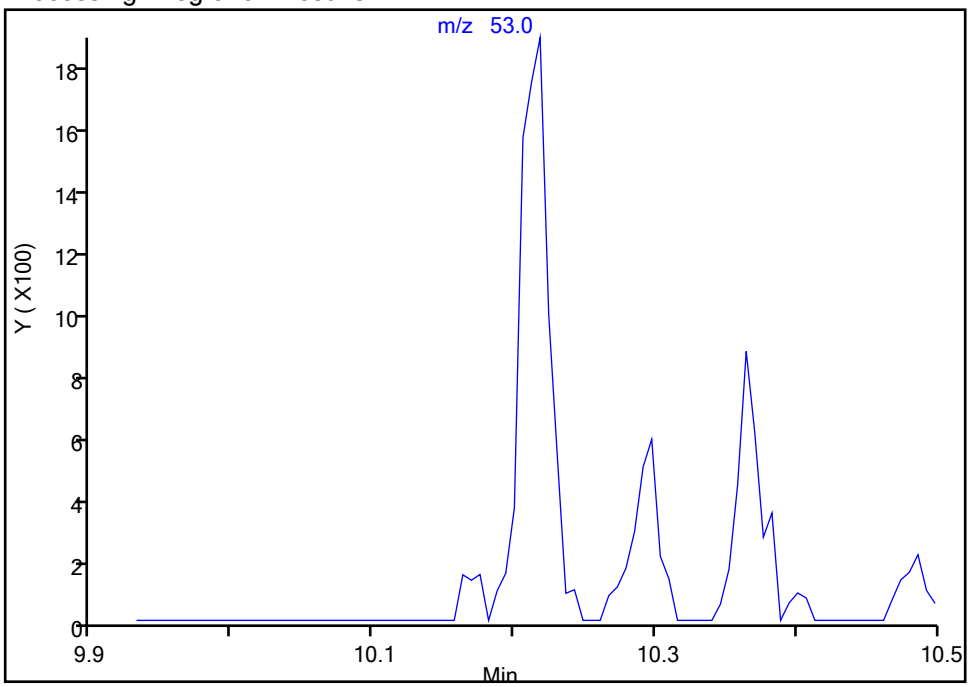
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76648.D
Injection Date: 22-Feb-2024 08:23:30 Instrument ID: CVOAMS17
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

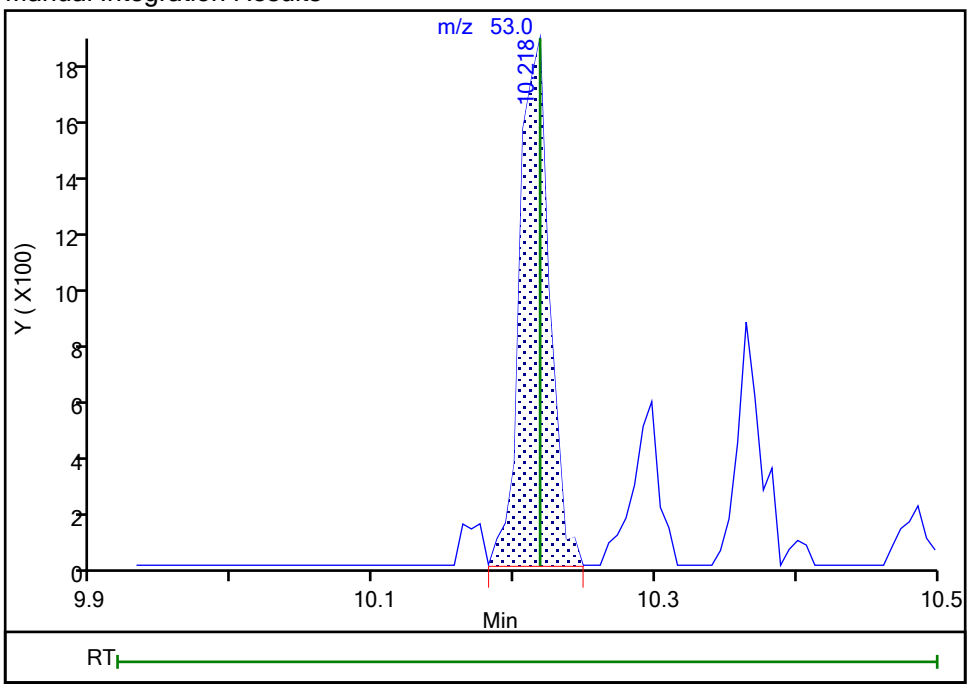
Not Detected
Expected RT: 10.22

Processing Integration Results



Manual Integration Results

RT: 10.22
Area: 2664
Amount: 4.959903
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:10:21 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 4
Inject. Date: 22-Feb-2024 08:42:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0172593-007
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:28:53 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:04:24

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.360	1.360	0.000	92	18859	20.0	24.2	
2 1,1-Difluoroethane	65	1.372	1.372	0.000	96	26241	20.0	24.7	
4 Dichlorodifluoromethane	85	1.390	1.390	0.000	97	60656	20.0	22.4	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	8639	20.0	23.4	a
6 Chloromethane	50	1.561	1.561	0.000	99	59896	20.0	20.8	
7 Vinyl chloride	62	1.647	1.647	0.000	98	57585	20.0	21.6	
8 Butadiene	54	1.659	1.659	0.000	94	51775	20.0	22.5	
9 Bromomethane	94	1.915	1.915	0.000	99	45244	20.0	22.6	
10 Chloroethane	64	1.970	1.970	0.000	100	32626	20.0	21.5	
11 Dichlorofluoromethane	67	2.146	2.146	0.000	99	95057	20.0	21.2	
13 Pentane	72	2.165	2.165	0.000	96	15628	40.0	74.3	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	55	67878	20.0	22.6	
14 Ethanol	46	2.348	2.348	0.000	92	4633	800.0	709.6	M
15 Ethyl ether	74	2.342	2.342	0.000	95	27805	20.0	20.2	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	95	36869	20.0	24.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.402	2.402	0.000	87	47927	20.0	22.5	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	89	71013	20.0	21.9	
19 Acrolein	56	2.506	2.506	0.000	95	15134	40.0	40.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.524	2.524	0.000	97	46929	20.0	24.1	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	96	46450	20.0	22.7	
22 Acetone	43	2.616	2.616	0.000	88	48000	100.0	98.4	
23 Iodomethane	142	2.689	2.689	0.000	96	94538	20.0	24.0	
25 Isopropyl alcohol	45	2.707	2.707	0.000	65	15808	200.0	194.8	a
24 Carbon disulfide	76	2.719	2.719	0.000	99	166302	20.0	22.6	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	97	30741	20.0	23.4	
27 Methyl acetate	43	2.848	2.848	0.000	97	58061	40.0	43.3	
28 Cyclopentene	67	2.860	2.860	0.000	92	95808	20.0	24.3	
29 Acetonitrile	41	2.896	2.896	0.000	98	55973	200.0	230.6	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	27115	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	89	55721	20.0	23.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	97	31436	200.0	215.5	
33 Methyl tert-butyl ether	73	3.116	3.116	0.000	98	138251	20.0	22.1	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	92	51758	20.0	22.7	
35 Acrylonitrile	53	3.207	3.207	0.000	96	161965	200.0	222.4	
36 Hexane	57	3.293	3.293	0.000	91	59288	20.0	24.0	
37 Isopropyl ether	45	3.500	3.500	0.000	95	144466	20.0	22.0	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	82610	20.0	22.9	
39 Vinyl acetate	86	3.543	3.543	0.000	100	16518	40.0	41.4	
40 2-Chloro-1,3-butadiene	88	3.567	3.567	0.000	88	40460	20.0	23.2	
41 Tert-butyl ethyl ether	59	3.805	3.805	0.000	89	141667	20.0	22.8	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	178610	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.012	0.000	92	17214	20.0	23.1	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	55768	20.0	22.7	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	21768	100.0	111.5	
46 Ethyl acetate	70	4.049	4.049	0.000	95	8829	40.0	42.6	
47 Methyl acrylate	55	4.097	4.097	0.000	100	35420	20.0	22.0	
48 Propionitrile	54	4.170	4.170	0.000	98	54024	200.0	211.6	
50 Tetrahydrofuran	72	4.244	4.244	0.000	58	11029	40.0	40.5	
49 Chlorobromomethane	128	4.250	4.250	0.000	88	27740	20.0	22.5	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	180036	200.0	225.5	
52 Chloroform	83	4.298	4.298	0.000	99	80479	20.0	22.7	
53 Cyclohexane	84	4.439	4.439	0.000	89	69310	20.0	25.6	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	97	69766	20.0	23.1	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	115212	50.0	50.5	
56 Carbon tetrachloride	117	4.561	4.561	0.000	97	61007	20.0	23.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	99	59837	20.0	23.1	
58 Isobutyl alcohol	43	4.707	4.707	0.000	96	23919	500.0	432.1	
59 Isooctane	57	4.756	4.756	0.000	99	161234	20.0	24.4	
60 Benzene	78	4.786	4.786	0.000	96	188420	20.0	23.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	108970	50.0	48.5	
63 Isopropyl acetate	61	4.841	4.841	0.000	96	22529	20.0	22.6	M
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	91	142623	20.0	22.7	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	96	52940	20.0	22.2	
65 n-Heptane	100	4.932	4.932	0.000	89	11059	20.0	21.5	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	440754	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	87	13859	500.0	425.2	
68 Trichloroethene	95	5.408	5.408	0.000	96	47873	20.0	22.7	
69 Methylcyclohexane	83	5.536	5.536	0.000	82	78789	20.0	25.0	
70 Ethyl acrylate	99	5.536	5.536	0.000	96	6593	20.0	23.4	
71 1,2-Dichloropropane	63	5.695	5.695	0.000	94	45885	20.0	22.1	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	20567	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	88	22669	40.0	45.5	
75 1,4-Dioxane	88	5.804	5.804	0.000	80	6152	400.0	395.2	
74 Dibromomethane	93	5.823	5.823	0.000	96	29063	20.0	23.0	
76 n-Propyl acetate	43	5.829	5.829	0.000	98	49567	20.0	21.5	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	57128	20.0	22.0	
78 2-Nitropropane	41	6.310	6.310	0.000	79	15760	40.0	40.3	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	87	26838	20.0	22.0	
80 Epichlorohydrin	57	6.408	6.408	0.000	100	69217	400.0	428.3	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	73024	20.0	23.1	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	77410	100.0	111.8	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	428516	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195060	20.0	21.5	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	62100	20.0	22.7	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	50628	20.0	21.9	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	96	33788	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	50436	20.0	22.6	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	90	64668	20.0	22.8	
90 2-Hexanone	43	7.621	7.621	0.000	94	105938	100.0	114.3	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	55224	20.0	21.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	44992	20.0	22.3	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	39681	20.0	22.0	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	84	333574	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	98	129225	20.0	22.4	
96 Ethylbenzene	106	8.621	8.621	0.000	98	68476	20.0	22.6	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	96	48599	20.0	22.9	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	83498	20.0	22.5	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	30404	20.0	20.9	
99 o-Xylene	106	9.297	9.297	0.000	95	85338	20.0	22.6	
101 Styrene	104	9.328	9.328	0.000	97	130099	20.0	22.9	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	68015	20.0	22.2	
102 Bromoform	173	9.566	9.566	0.000	62	29799	20.0	20.8	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	217862	20.0	23.5	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	137847	50.0	49.7	
106 Bromobenzene	156	10.084	10.084	0.000	94	57705	20.0	23.0	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	52679	20.0	22.9	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	257485	20.0	23.7	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	97	14562	20.0	22.7	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	86	11779	20.0	22.5	a
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	172773	20.0	23.2	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	214511	20.0	23.2	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	183551	20.0	23.9	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	154422	20.0	22.5	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	56671	20.0	18.8	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	156540	20.0	23.2	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	194223	20.0	23.9	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	243886	20.0	23.8	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	109770	20.0	22.6	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	211909	20.0	24.1	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	187435	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	97	111336	20.0	22.7	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	97	206181	20.0	23.4	
124 Benzyl chloride	91	11.248	11.248	0.000	99	98213	20.0	21.8	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	199214	20.0	23.5	
126 p-Diethylbenzene	119	11.370	11.370	0.000	96	136676	20.0	23.5	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	109145	20.0	23.5	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	111941	20.0	22.9	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	214573	20.0	23.8	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	93	12610	20.0	22.0	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	100918	20.0	23.3	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	96772	20.0	23.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	41330	20.0	24.1	
134 Naphthalene	128	12.925	12.925	0.000	99	225679	20.0	23.9	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	95965	20.0	23.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	45.4	
S 137 Xylenes, Total	100				0		40.0	45.1	
S 139 1,3-Dichloropropene, Total	1				0		40.0	45.9	
S 140 Total BTEX	1				0		100.0	112.1	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

524FREONS_00015	Amount Added:	20.00	Units: uL	
ACROLEIN W_00165	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	20.00	Units: uL	
GASES Li_00572	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:28:54 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D

Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17

Lims ID: STD20

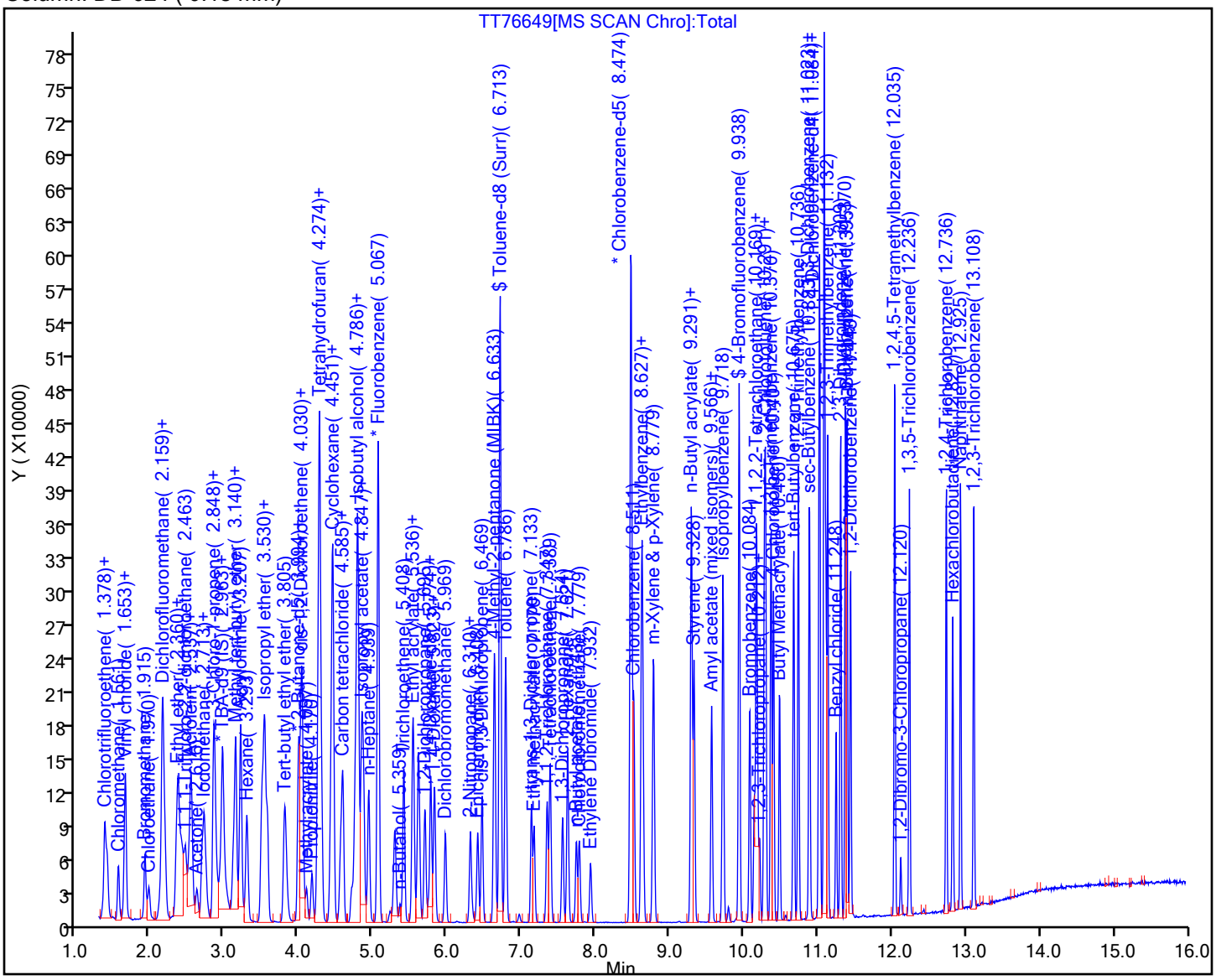
Client ID:

Operator ID: ALS Bottle#: 6 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

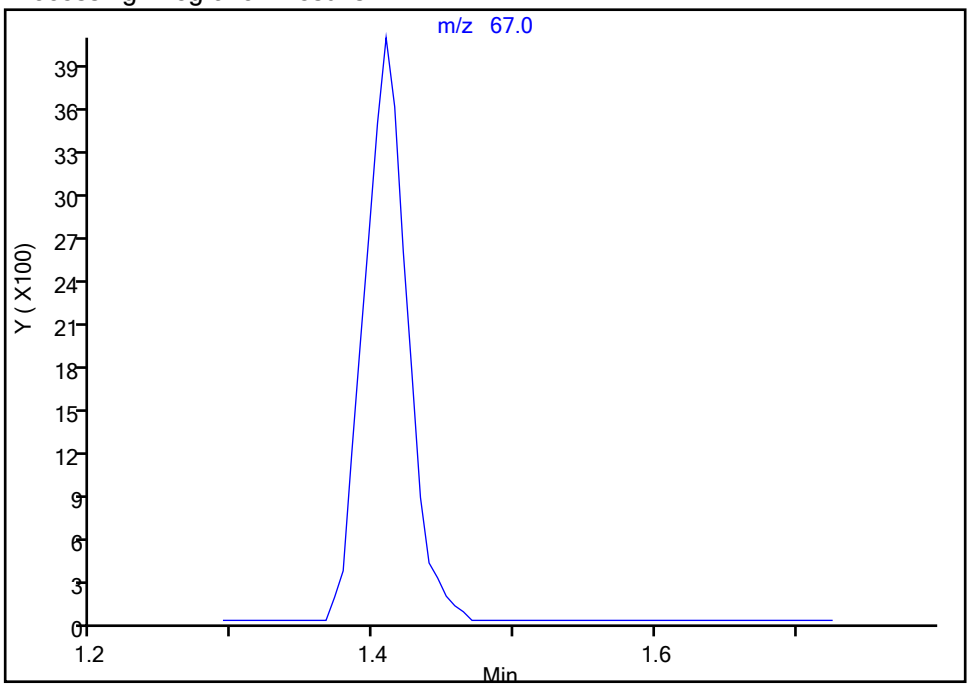
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

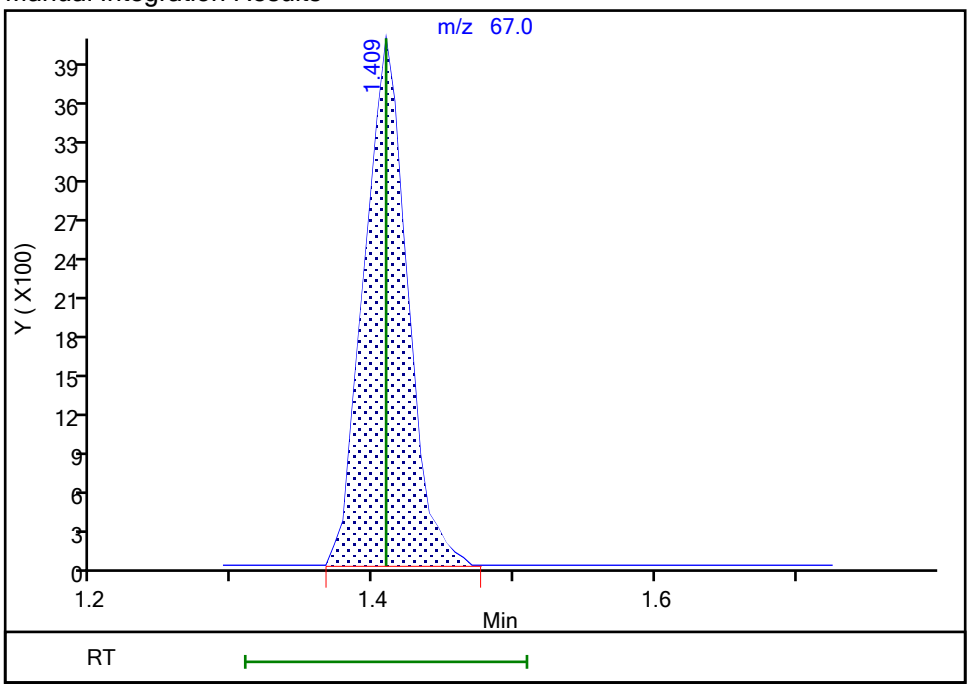
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 8639
Amount: 23.445831
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:06:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

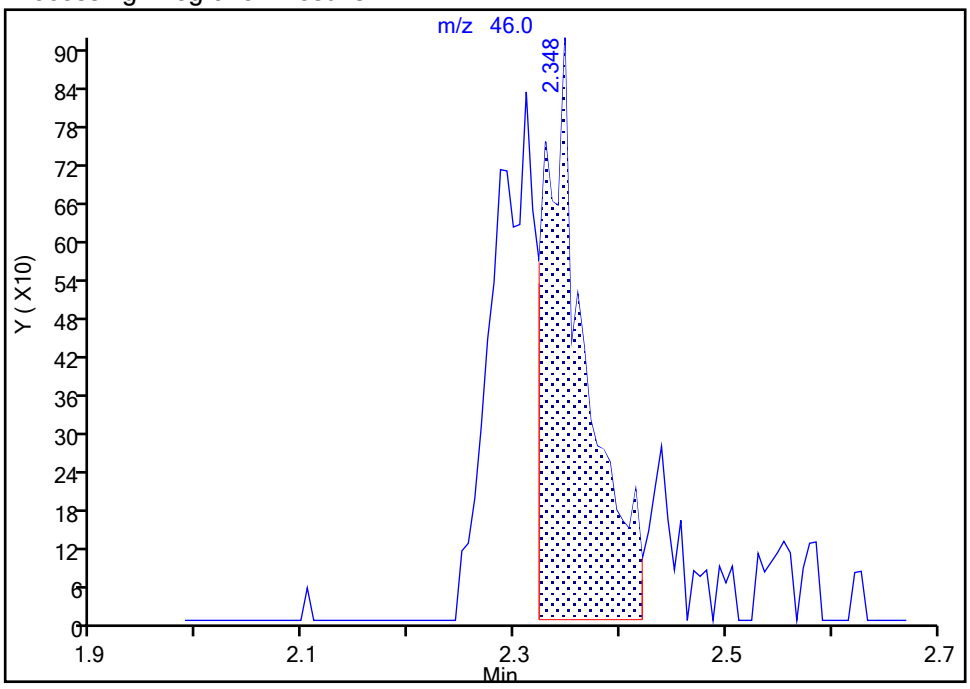
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

14 Ethanol, CAS: 64-17-5

Signal: 1

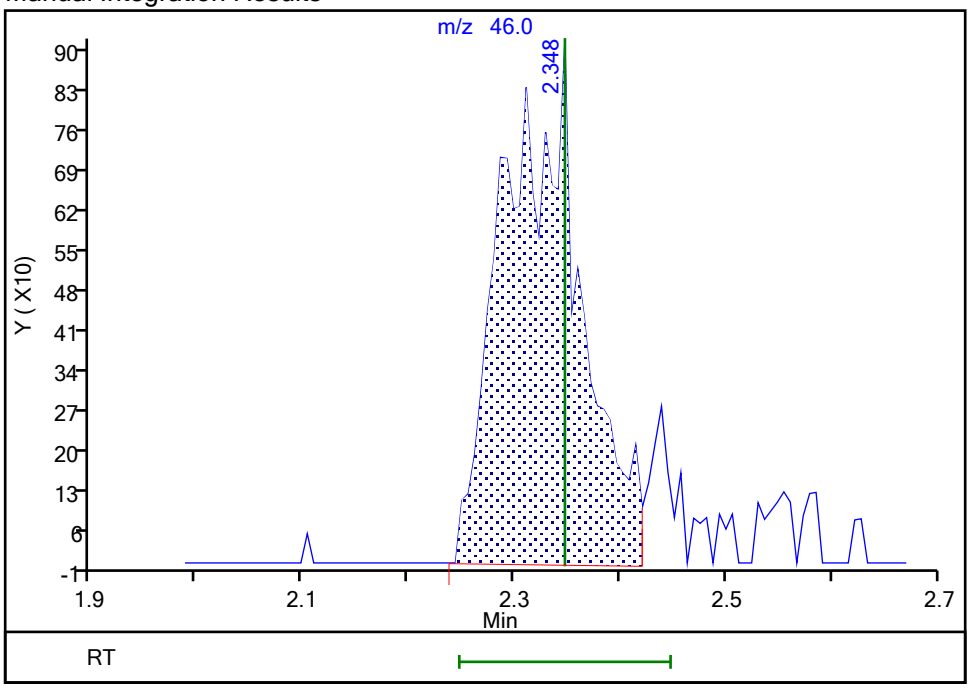
Processing Integration Results

RT: 2.35
Area: 2482
Amount: 386.2946
Amount Units: ug/l



Manual Integration Results

RT: 2.35
Area: 4633
Amount: 709.5536
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:06 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

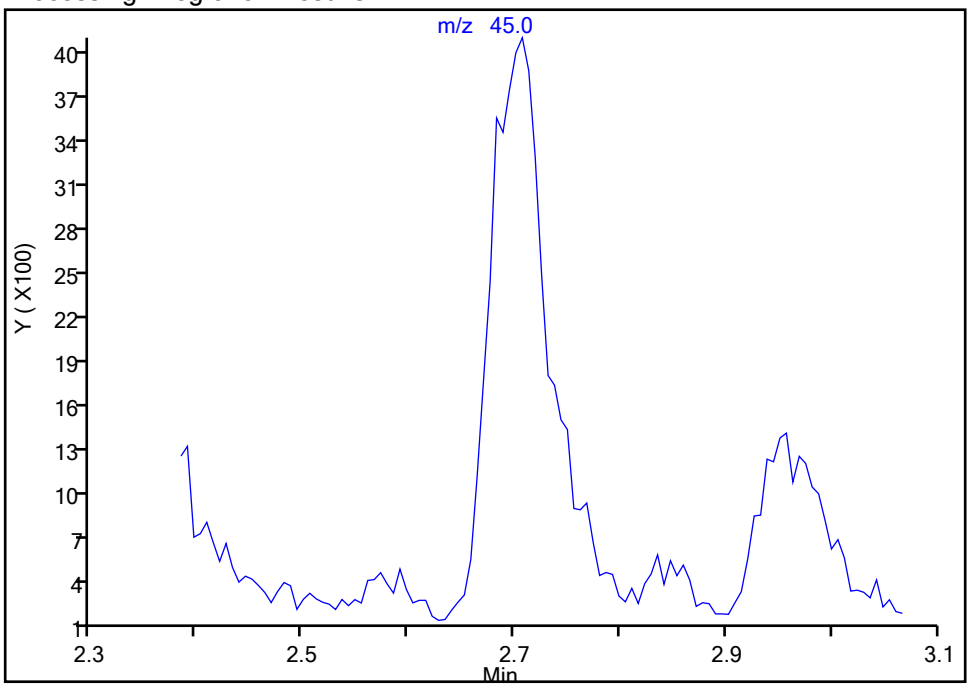
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

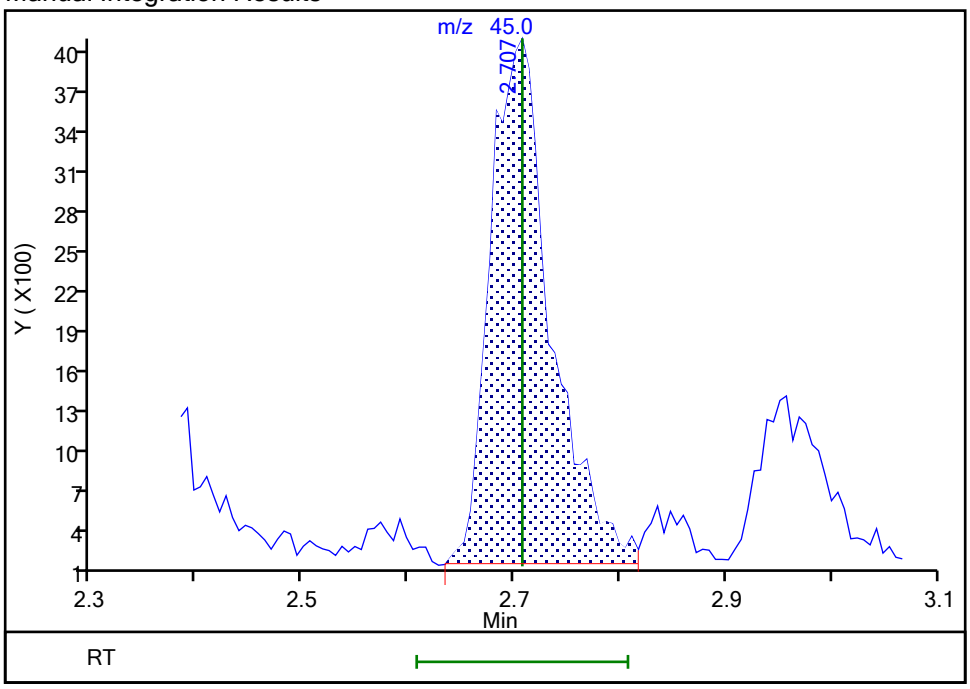
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 15808
Amount: 194.8126
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

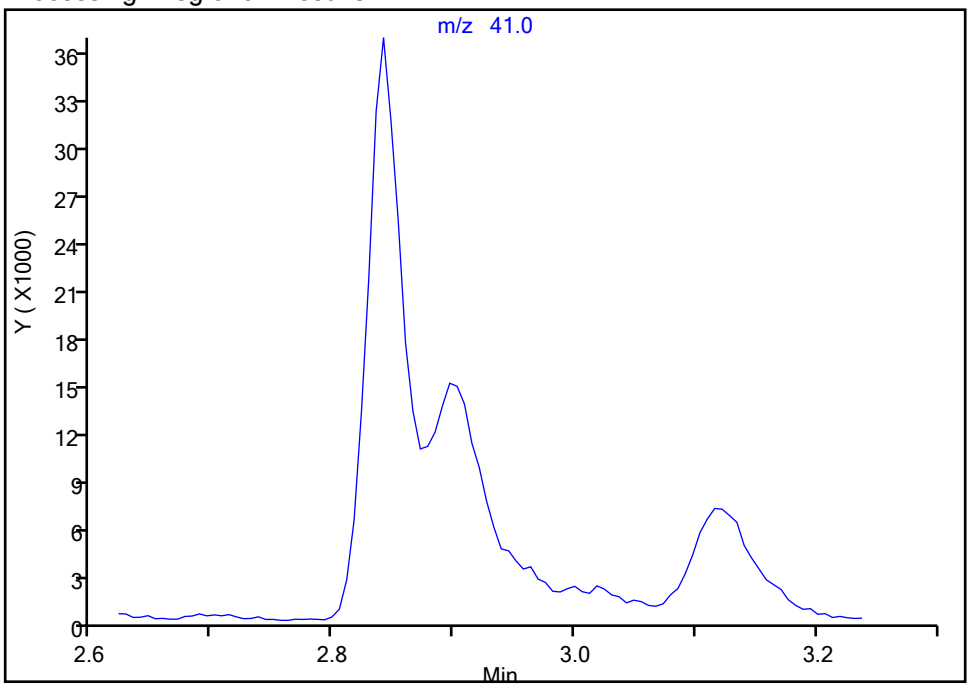
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

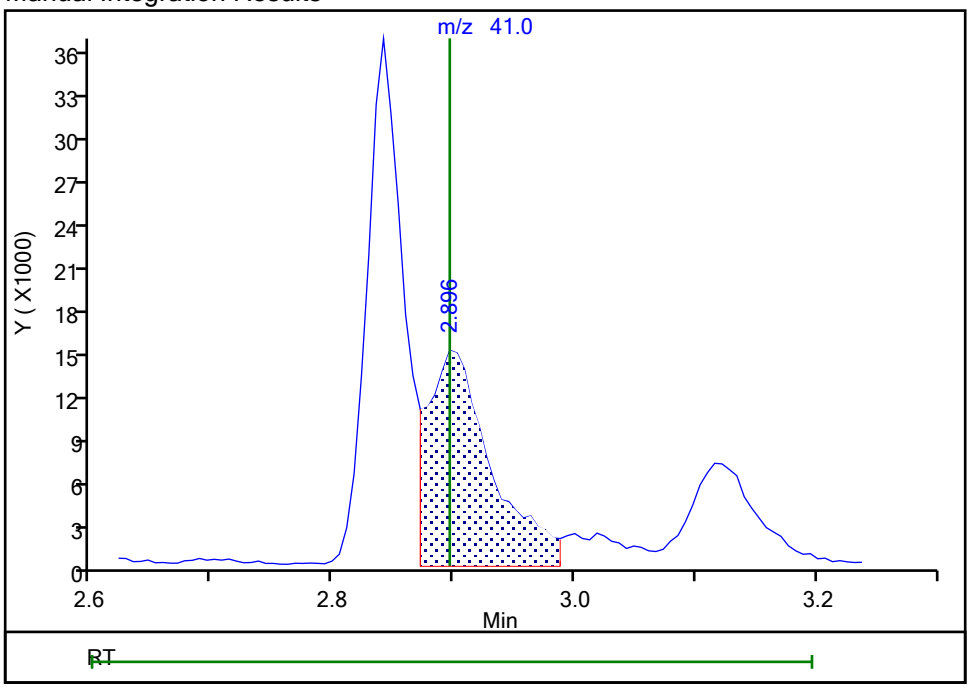
Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results

RT: 2.90
Area: 55973
Amount: 230.6367
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:07:23 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

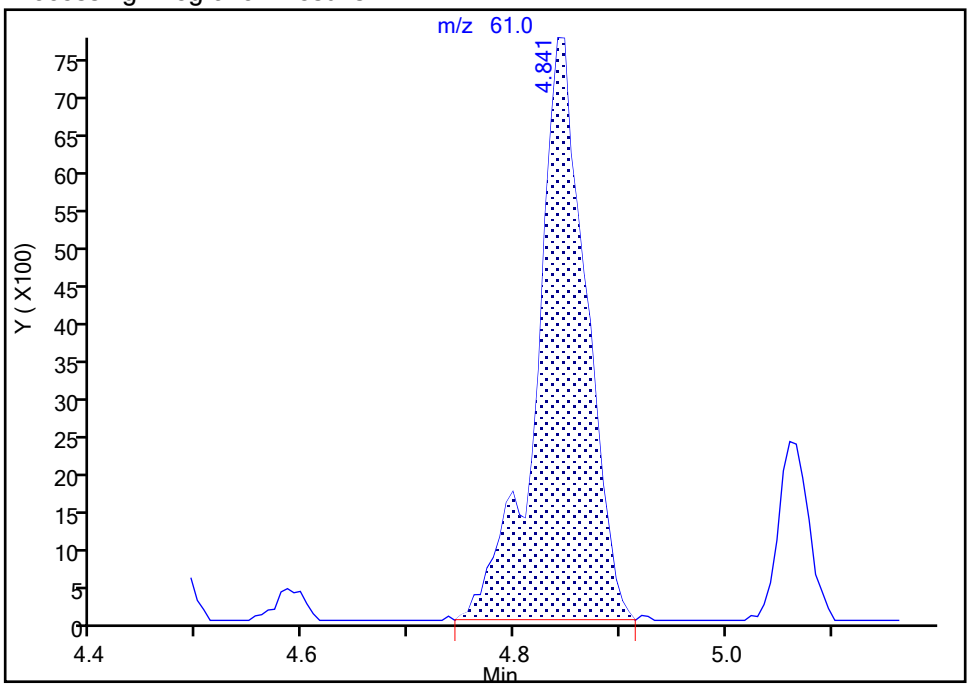
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

63 Isopropyl acetate, CAS: 108-21-4

Signal: 1

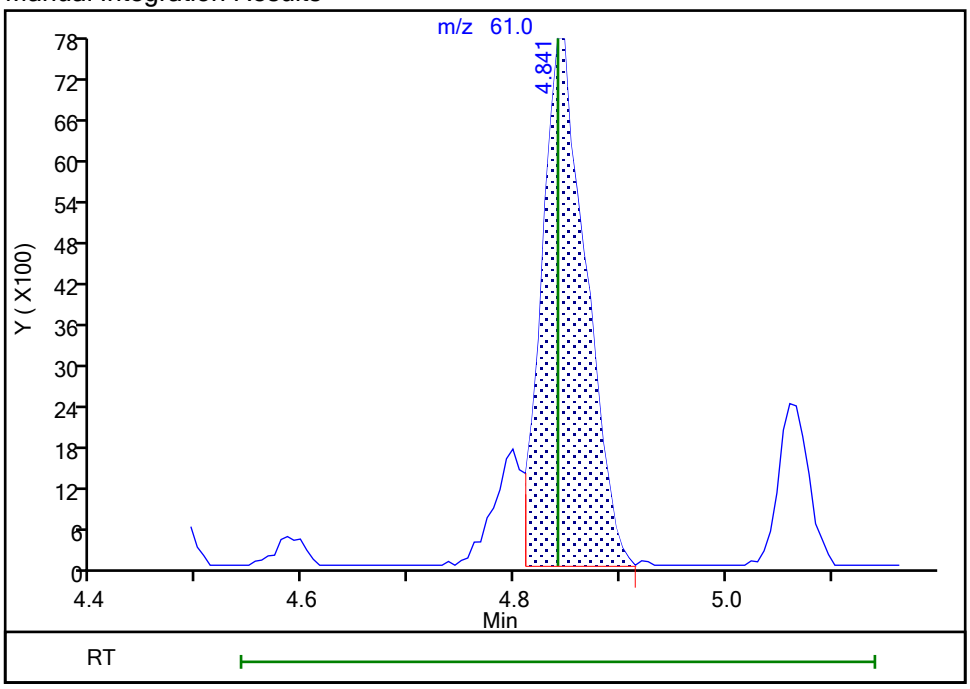
Processing Integration Results

RT: 4.84
Area: 25534
Amount: 23.333453
Amount Units: ug/l



Manual Integration Results

RT: 4.84
Area: 22529
Amount: 22.642550
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 17:52:54 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

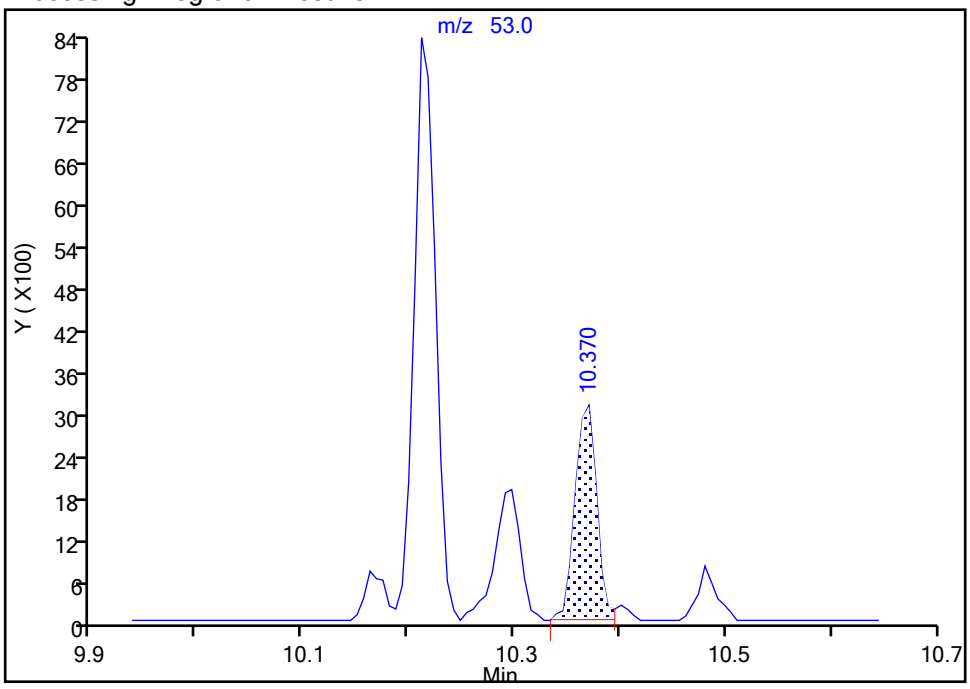
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76649.D
Injection Date: 22-Feb-2024 08:42:30 Instrument ID: CVOAMS17
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

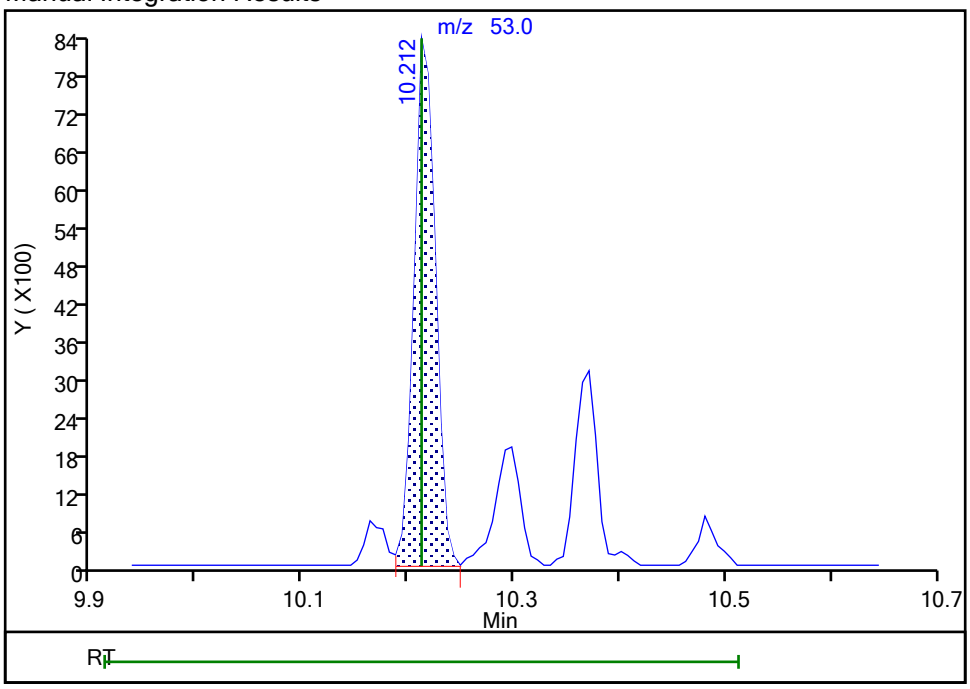
Processing Integration Results

RT: 10.37
Area: 4445
Amount: 8.338153
Amount Units: ug/l



Manual Integration Results

RT: 10.21
Area: 11779
Amount: 22.493575
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:10:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 22-Feb-2024 09:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0172593-008
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:29:16 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:24:36

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	84	46464	50.0	57.0	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	96	65686	50.0	59.1	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	98	139871	50.0	49.4	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	97	22145	50.0	57.4	a
6 Chloromethane	50	1.567	1.561	0.006	99	147330	50.0	48.9	
7 Vinyl chloride	62	1.653	1.647	0.006	98	144612	50.0	51.8	
8 Butadiene	54	1.665	1.659	0.006	95	124350	50.0	51.7	
9 Bromomethane	94	1.927	1.915	0.012	99	108512	50.0	51.7	
10 Chloroethane	64	1.982	1.970	0.012	99	80805	50.0	50.9	
11 Dichlorofluoromethane	67	2.159	2.146	0.013	99	248768	50.0	53.0	
13 Pentane	72	2.171	2.165	0.006	97	35292	100.0	161.5	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	55	167212	50.0	53.1	
15 Ethyl ether	74	2.348	2.342	0.006	95	73042	50.0	50.8	
14 Ethanol	46	2.329	2.348	-0.019	85	14457	2000.0	2185.3	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	94	92836	50.0	58.2	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	83	121624	50.0	54.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	91	180842	50.0	53.4	
19 Acrolein	56	2.512	2.506	0.006	94	37977	100.0	97.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.524	0.012	97	111747	50.0	54.8	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	96	114860	50.0	53.6	
22 Acetone	43	2.622	2.616	0.006	88	126850	250.0	240.4	
23 Iodomethane	142	2.701	2.689	0.012	96	239077	50.0	57.9	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	79	42181	500.0	513.1	a
24 Carbon disulfide	76	2.732	2.719	0.013	98	410317	50.0	53.3	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	94	81443	50.0	59.3	
27 Methyl acetate	43	2.854	2.848	0.006	98	153987	100.0	109.8	
28 Cyclopentene	67	2.872	2.860	0.012	92	234567	50.0	56.7	
29 Acetonitrile	41	2.902	2.896	0.006	97	134369	500.0	509.7	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	27473	1000.0	1000.0	
30 Methylene Chloride	84	2.975	2.969	0.006	89	140238	50.0	56.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	98	83354	500.0	564.0	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	350561	50.0	53.6	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	130812	50.0	54.9	
35 Acrylonitrile	53	3.213	3.207	0.006	95	421926	500.0	553.4	
36 Hexane	57	3.299	3.293	0.006	92	136281	50.0	52.7	
37 Isopropyl ether	45	3.506	3.500	0.006	94	371844	50.0	54.2	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	211542	50.0	56.0	
39 Vinyl acetate	86	3.542	3.543	0.000	100	47623	100.0	110.0	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	88	102771	50.0	56.2	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	362003	50.0	55.5	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	194000	250.0	250.0	
43 2,2-Dichloropropane	97	4.030	4.012	0.018	91	44273	50.0	56.7	a
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	99	142145	50.0	55.2	
45 2-Butanone (MEK)	72	4.048	4.042	0.006	97	58455	250.0	275.8	
46 Ethyl acetate	70	4.055	4.049	0.006	95	24139	100.0	107.2	
47 Methyl acrylate	55	4.103	4.097	0.006	100	94719	50.0	56.1	
48 Propionitrile	54	4.176	4.170	0.006	98	141983	500.0	549.0	
50 Tetrahydrofuran	72	4.250	4.244	0.006	90	28281	100.0	96.2	
49 Chlorobromomethane	128	4.256	4.250	0.006	83	72322	50.0	56.0	
51 Methacrylonitrile	67	4.280	4.274	0.006	89	462967	500.0	553.9	
52 Chloroform	83	4.304	4.298	0.006	99	203531	50.0	54.9	
53 Cyclohexane	84	4.439	4.439	0.000	90	162169	50.0	57.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	97	173815	50.0	54.9	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	119602	50.0	50.1	
56 Carbon tetrachloride	117	4.567	4.561	0.006	97	151239	50.0	55.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	151668	50.0	55.9	
58 Isobutyl alcohol	43	4.713	4.707	0.006	95	70853	1250.0	1261.9	
59 Isooctane	57	4.768	4.756	0.012	98	380995	50.0	55.0	
60 Benzene	78	4.786	4.786	0.000	96	475542	50.0	55.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	116573	50.0	49.5	
63 Isopropyl acetate	61	4.841	4.841	0.000	97	61421	50.0	59.0	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	92	368459	50.0	56.0	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	95	137231	50.0	54.9	
65 n-Heptane	100	4.945	4.932	0.013	90	26698	50.0	52.3	
* 66 Fluorobenzene	96	5.067	5.067	-0.001	99	461367	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	88	43974	1250.0	1307.1	
68 Trichloroethene	95	5.414	5.408	0.006	96	120996	50.0	54.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	80	187047	50.0	56.6	
70 Ethyl acrylate	99	5.536	5.536	0.000	98	16392	50.0	55.3	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	95	119454	50.0	55.0	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	21666	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.780	-0.006	86	59256	100.0	113.6	
75 1,4-Dioxane	88	5.804	5.804	0.000	83	17131	1000.0	1044.6	
74 Dibromomethane	93	5.822	5.823	-0.001	95	73096	50.0	55.2	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	132261	50.0	54.9	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	148381	50.0	54.7	
78 2-Nitropropane	41	6.304	6.310	-0.006	79	40526	100.0	100.4	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	84	69080	50.1	54.2	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	186818	1000.0	1064.4	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	189200	50.0	56.8	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	95	209719	250.0	278.9	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	446329	50.0	50.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	491351	50.0	51.3	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	159352	50.0	55.4	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	139205	50.0	57.2	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	88078	50.0	54.0	
88 Tetrachloroethene	166	7.389	7.389	0.000	96	129555	50.0	55.0	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	165331	50.0	55.3	
90 2-Hexanone	43	7.621	7.621	0.000	95	293195	250.0	291.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	150433	50.0	56.0	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	118134	50.0	55.7	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	103927	50.0	54.6	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	83	351463	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	329254	50.0	54.2	
96 Ethylbenzene	106	8.621	8.621	0.000	97	175066	50.0	54.8	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	124892	50.0	55.9	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	214625	50.0	55.0	
100 n-Butyl acrylate	73	9.291	9.291	0.000	97	87631	50.0	57.2	
99 o-Xylene	106	9.291	9.297	-0.006	95	225046	50.0	56.5	
101 Styrene	104	9.328	9.328	0.000	96	343590	50.0	57.5	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	193968	50.0	57.6	
102 Bromoform	173	9.566	9.566	0.000	62	81935	50.0	54.4	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	554290	50.0	56.8	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	95	151064	50.0	51.7	
106 Bromobenzene	156	10.084	10.084	0.000	94	149777	50.0	54.3	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	137709	50.0	54.4	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	656751	50.0	54.9	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	97	38173	50.0	54.2	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	94	31867	50.0	55.3	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	442595	50.0	53.9	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	557180	50.0	54.8	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	471789	50.0	55.9	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	401390	50.0	53.2	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	165188	50.0	49.9	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	411412	50.0	55.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	495742	50.0	55.5	
118 sec-Butylbenzene	105	10.889	10.889	0.000	99	619285	50.0	55.0	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	288936	50.0	54.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	549028	50.0	56.8	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	206193	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	97	297344	50.0	55.1	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	527813	50.0	54.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	274027	50.0	55.3	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	517796	50.0	55.6	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	350024	50.0	54.8	
127 n-Butylbenzene	92	11.395	11.395	0.000	97	280387	50.0	54.8	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	290480	50.0	54.1	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	554976	50.0	55.9	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	91	34811	50.0	55.2	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	258565	50.0	54.3	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	251987	50.0	55.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	103797	50.0	54.9	
134 Naphthalene	128	12.925	12.925	0.000	99	586621	50.0	56.4	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	95	246195	50.0	55.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		100.0	110.1	
S 137 Xylenes, Total	100				0		100.0	111.4	
S 139 1,3-Dichloropropene, Total	1				0		100.0	112.2	
S 140 Total BTEX	1				0		250.0	272.6	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

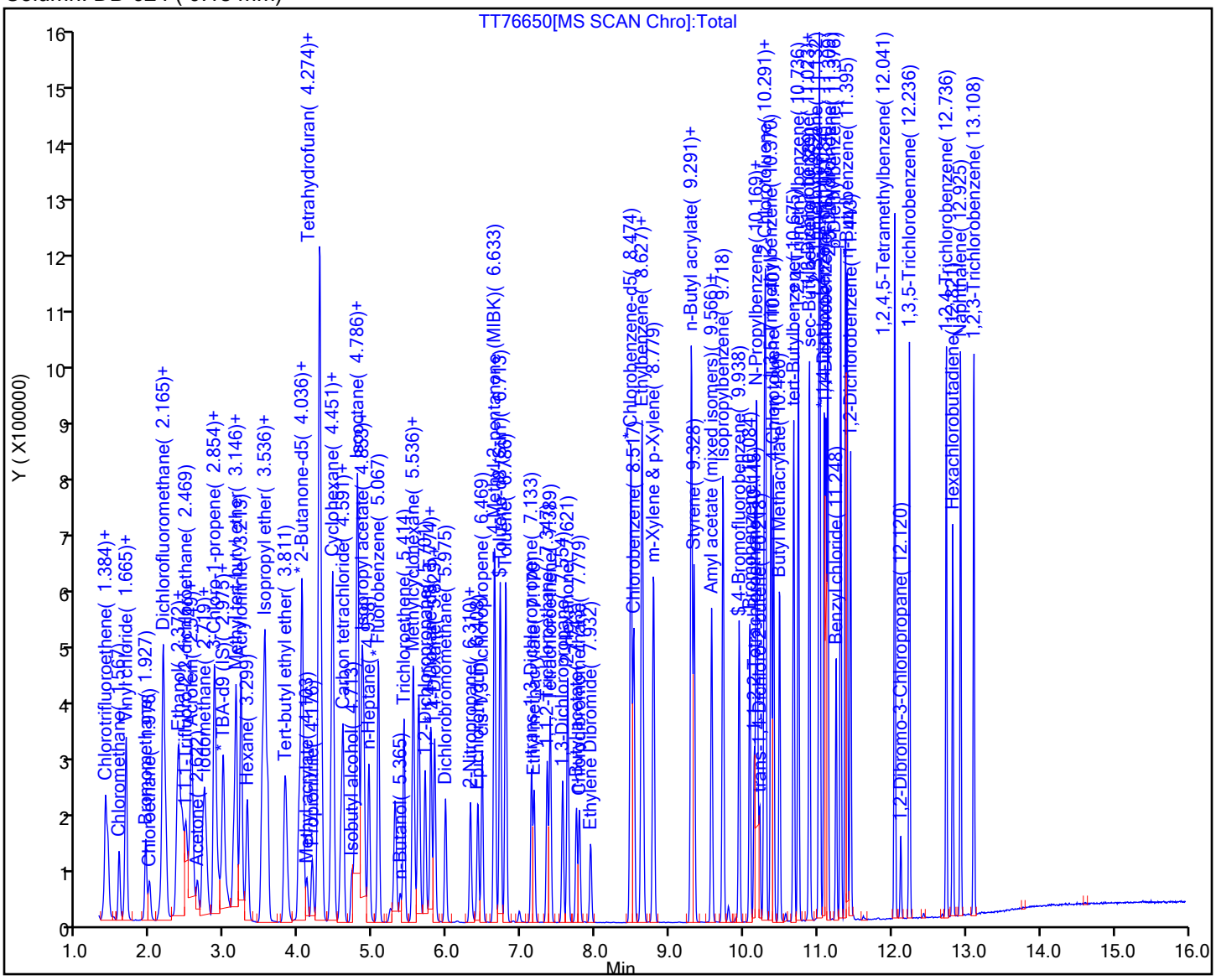
Reagents:

ACROLEIN W_00165	Amount Added:	10.00	Units: uL	
524FREONS_00015	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00183	Amount Added:	50.00	Units: uL	
GASES Li_00572	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:29:17 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

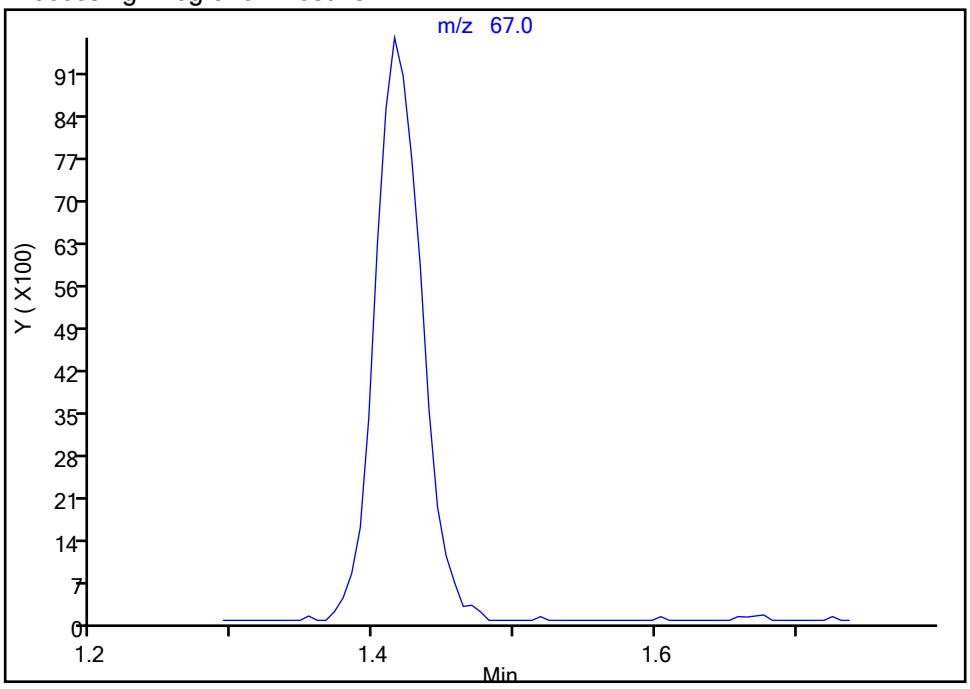
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

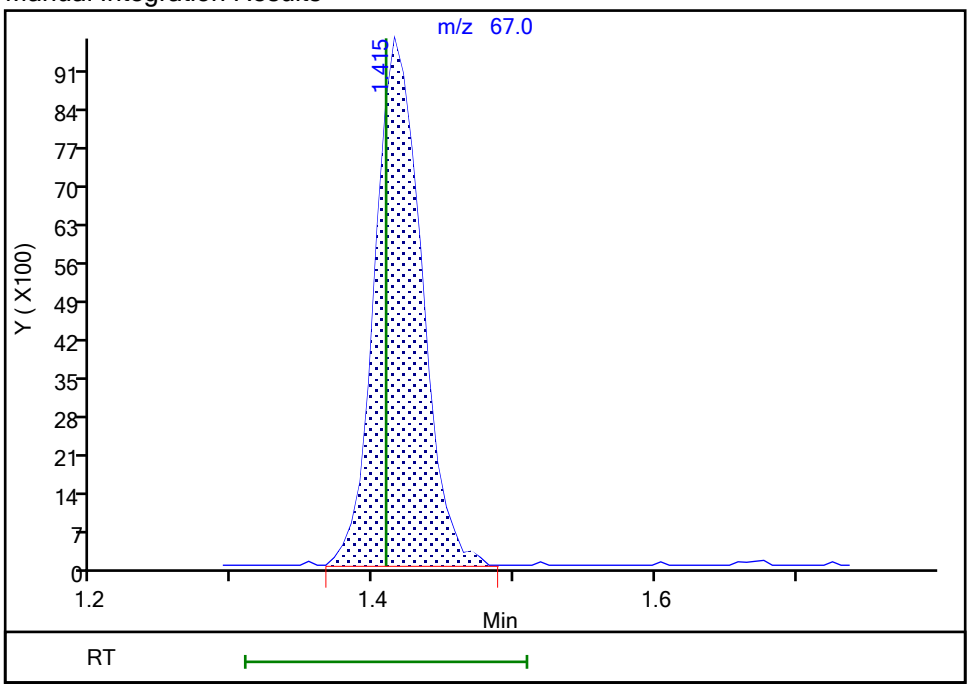
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 22145
Amount: 57.415293
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:03:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

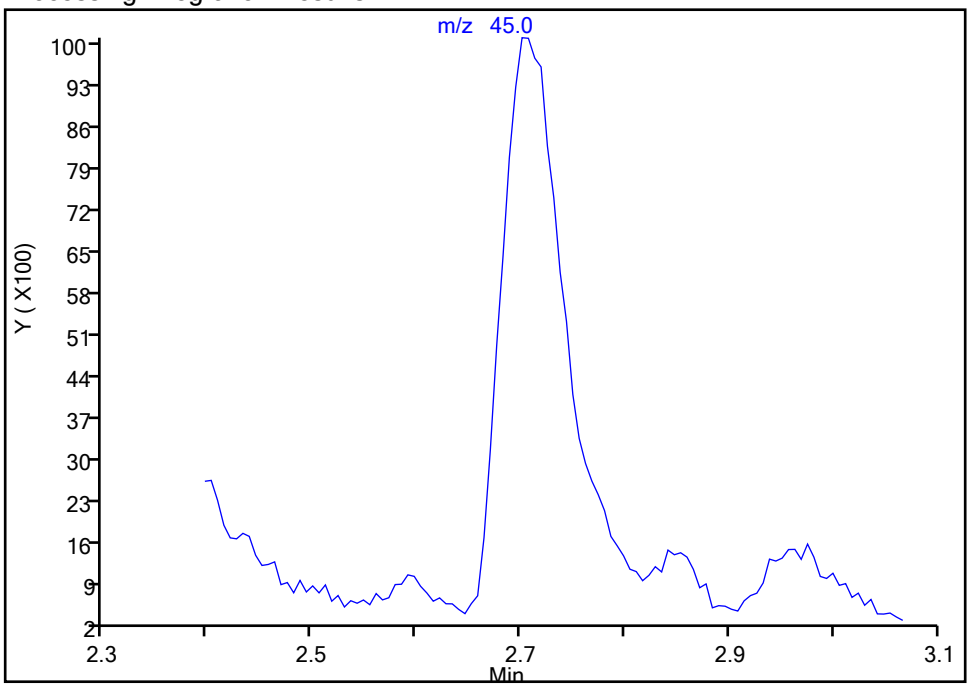
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

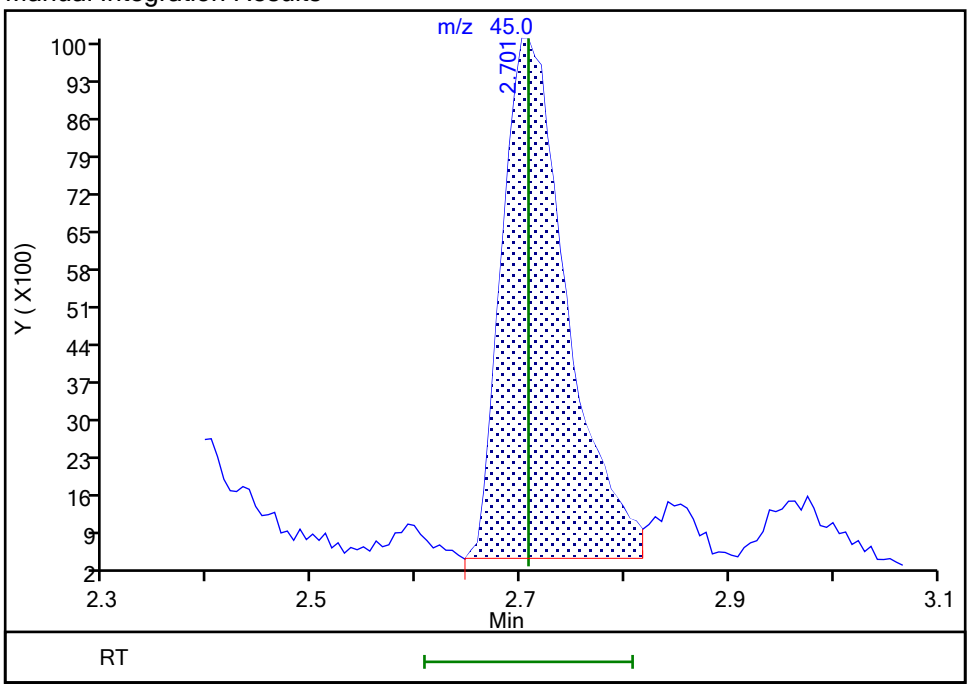
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 42181
Amount: 513.0511
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:09 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

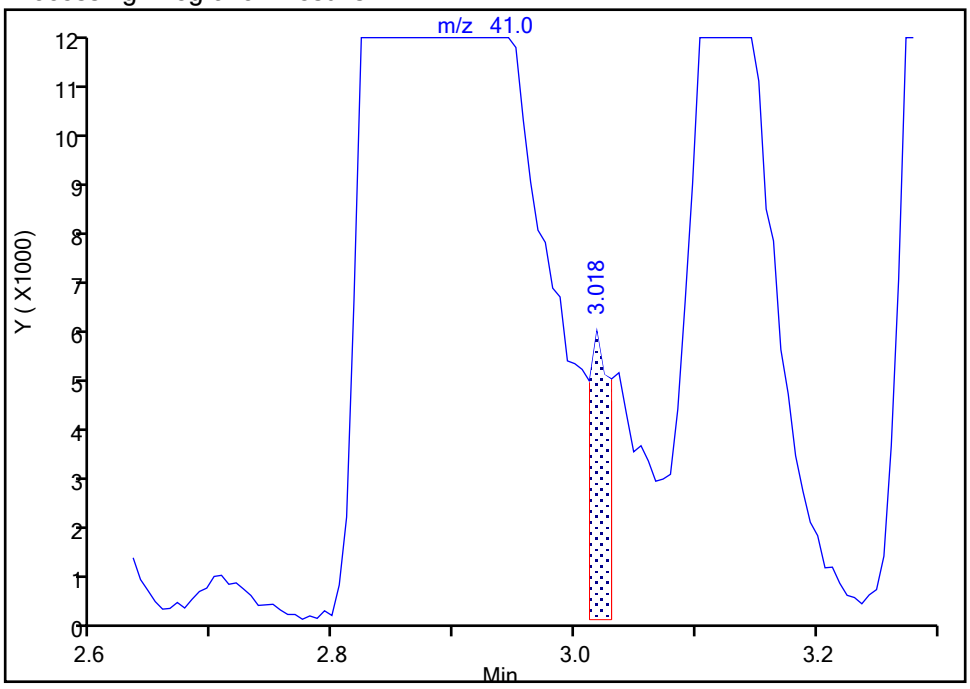
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

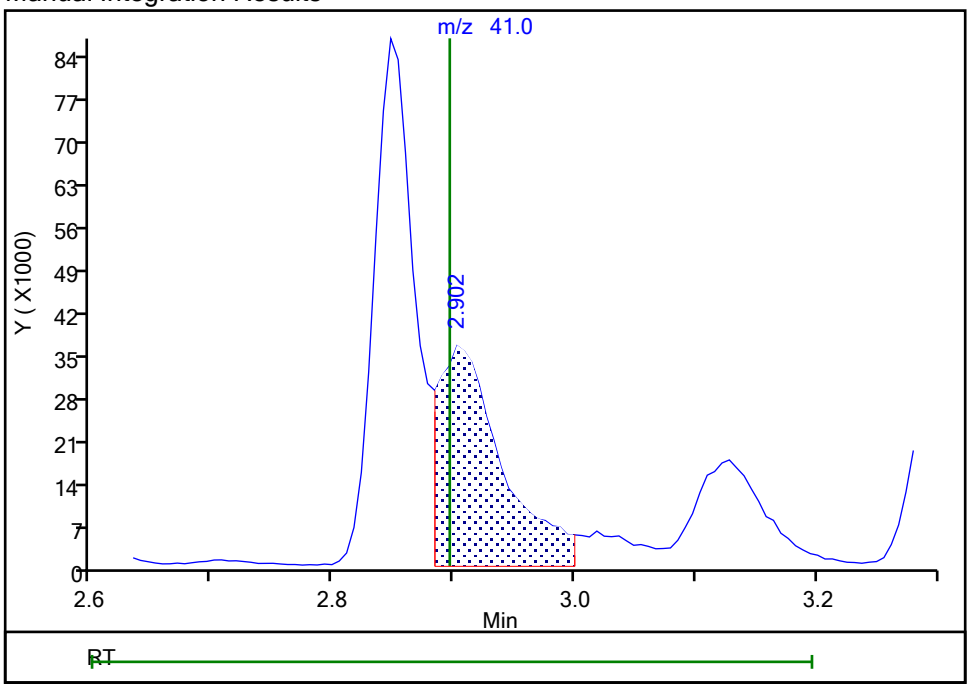
Processing Integration Results

RT: 3.02
Area: 7198
Amount: 48.408592
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 134369
Amount: 509.7449
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

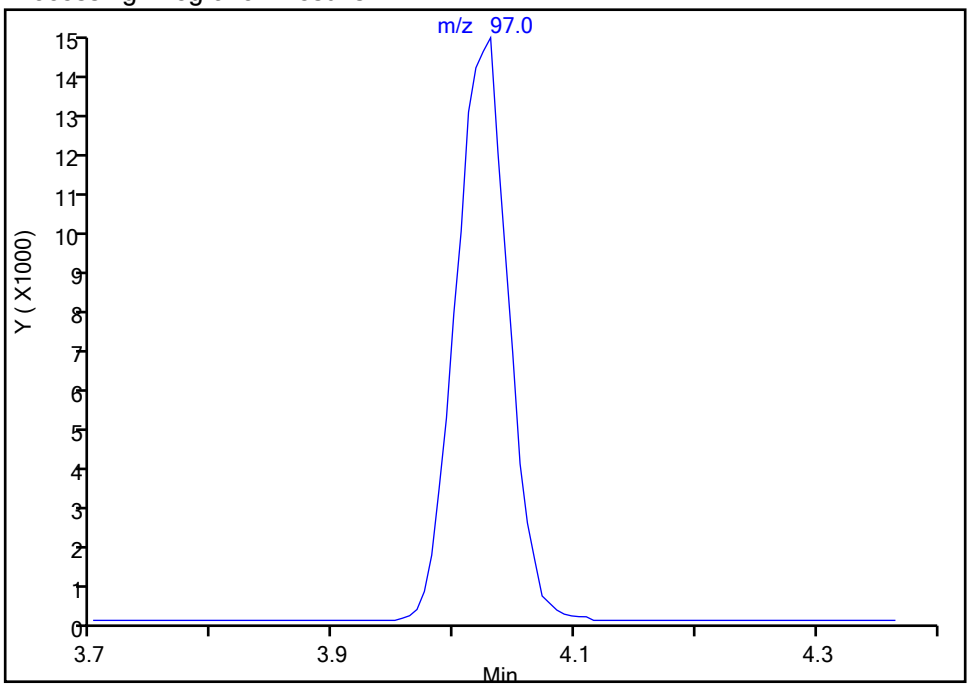
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76650.D
Injection Date: 22-Feb-2024 09:02:30 Instrument ID: CVOAMS17
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

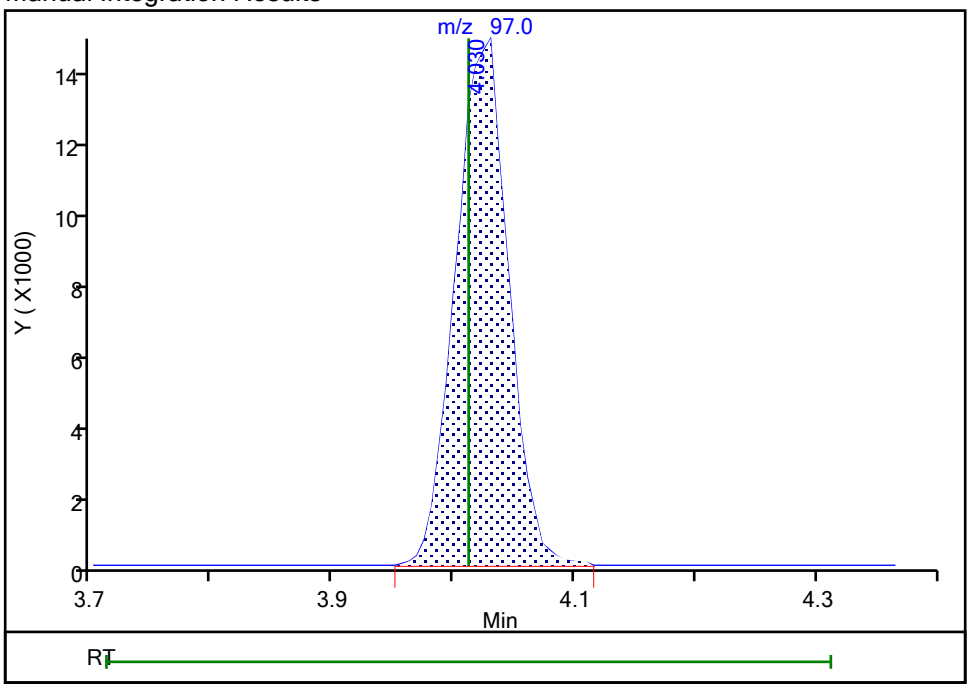
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 44273
Amount: 56.679680
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:04:30 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 22-Feb-2024 09:21:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0172593-009
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:29:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 09:44:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.360	0.006	86	88799	200.0	110.0	
2 1,1-Difluoroethane	65	1.378	1.372	0.006	96	190377	200.0	172.8	
4 Dichlorodifluoromethane	85	1.397	1.390	0.007	99	611097	200.0	218.0	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	67892	200.0	177.7	a
6 Chloromethane	50	1.561	1.561	0.000	99	565549	200.0	189.6	
7 Vinyl chloride	62	1.647	1.647	0.000	98	553336	200.0	200.2	
8 Butadiene	54	1.659	1.659	0.000	95	488734	200.0	205.1	
9 Bromomethane	94	1.921	1.915	0.006	99	379629	200.0	182.7	
10 Chloroethane	64	1.970	1.970	0.000	99	295478	200.0	188.0	
11 Dichlorofluoromethane	67	2.153	2.146	0.007	99	963780	200.0	207.3	
13 Pentane	72	2.165	2.165	0.000	97	78458	400.0	369.6	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	80	672411	200.0	215.7	
15 Ethyl ether	74	2.342	2.342	0.000	94	239634	200.0	168.3	
14 Ethanol	46	2.335	2.348	-0.013	92	56891	8000.0	8446.3	
16 2-Methyl-1,3-butadiene	53	2.366	2.360	0.006	93	276244	200.0	174.7	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.409	2.402	0.007	85	442542	200.0	200.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.463	0.000	91	664551	200.0	198.0	
19 Acrolein	56	2.506	2.506	0.000	93	80267	200.0	208.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.531	2.524	0.007	97	374495	200.0	185.3	
21 1,1-Dichloroethene	96	2.549	2.549	0.000	96	348050	200.0	163.9	
22 Acetone	43	2.622	2.616	0.006	89	500140	1000.0	1004.2	
23 Iodomethane	142	2.695	2.689	0.006	96	705143	200.0	172.3	
25 Isopropyl alcohol	45	2.701	2.707	-0.006	38	155666	2000.0	1859.7	a
24 Carbon disulfide	76	2.726	2.719	0.007	99	819897	200.0	107.4	
26 3-Chloro-1-propene	76	2.848	2.841	0.007	97	250765	200.0	184.2	
27 Methyl acetate	43	2.848	2.848	0.000	98	517898	400.0	372.6	
28 Cyclopentene	67	2.866	2.860	0.006	92	596281	200.0	145.6	
29 Acetonitrile	41	2.902	2.896	0.006	98	479813	2000.0	1882.5	a
* 31 TBA-d9 (IS)	66	2.963	2.957	0.006	0	27971	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	89	452249	200.0	183.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	99	306956	2000.0	2040.0	a
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	1230945	200.0	190.0	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	391711	200.0	166.0	
35 Acrylonitrile	53	3.213	3.207	0.006	94	1471562	2000.0	1948.5	
36 Hexane	57	3.293	3.293	0.000	90	323465	200.0	126.2	
37 Isopropyl ether	45	3.500	3.500	0.000	95	1313793	200.0	193.4	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	100	716635	200.0	191.3	
39 Vinyl acetate	86	3.536	3.543	-0.006	99	180738	400.0	431.6	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	353756	200.0	195.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	90	1290138	200.0	199.8	
* 42 2-Butanone-d5	46	3.988	3.988	0.000	0	187586	250.0	250.0	a
43 2,2-Dichloropropane	97	4.024	4.012	0.012	93	153596	200.0	198.5	
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	472322	200.0	185.2	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	203256	1000.0	991.7	
46 Ethyl acetate	70	4.049	4.049	0.001	95	87529	400.0	402.2	
47 Methyl acrylate	55	4.103	4.097	0.006	100	340684	200.0	203.8	
48 Propionitrile	54	4.170	4.170	0.000	99	522931	2000.0	1985.9	
50 Tetrahydrofuran	72	4.244	4.244	0.000	89	99759	400.0	376.4	
49 Chlorobromomethane	128	4.250	4.250	0.000	85	245610	200.0	191.9	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	1707711	2000.0	2062.6	
52 Chloroform	83	4.305	4.298	0.007	99	700258	200.0	190.8	
53 Cyclohexane	84	4.439	4.439	0.000	90	475103	200.0	169.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	98	599272	200.0	191.2	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	116950	50.0	49.4	
56 Carbon tetrachloride	117	4.567	4.561	0.006	97	520175	200.0	192.4	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	483615	200.0	180.1	
58 Isobutyl alcohol	43	4.707	4.707	0.000	96	287733	5000.0	5007.8	
59 Isooctane	57	4.762	4.756	0.006	98	1301086	200.0	189.5	
60 Benzene	78	4.786	4.786	0.000	95	1548231	200.0	179.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	117313	50.0	50.3	
63 Isopropyl acetate	61	4.847	4.841	0.006	96	221513	200.0	214.7	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	1341368	200.0	205.7	
64 1,2-Dichloroethane	62	4.872	4.872	0.000	95	467958	200.0	188.9	
65 n-Heptane	100	4.939	4.932	0.007	90	71513	200.0	191.0	
* 66 Fluorobenzene	96	5.067	5.067	0.000	99	457019	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	86	184126	5000.0	4992.6	
68 Trichloroethene	95	5.414	5.408	0.006	96	410192	200.0	187.6	
69 Methylcyclohexane	83	5.542	5.536	0.006	81	578696	200.0	176.9	
70 Ethyl acrylate	99	5.536	5.536	0.000	98	59025	200.0	197.6	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	95	423617	200.0	196.8	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	18965	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	85	225478	400.0	436.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	60320	4000.0	4202.2	
74 Dibromomethane	93	5.823	5.823	0.000	97	256273	200.0	195.4	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	500757	200.0	209.8	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	546147	200.0	203.1	
78 2-Nitropropane	41	6.304	6.310	-0.006	95	165938	400.0	417.7	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	94	258725	200.5	204.9	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	701274	4000.0	4132.1	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	680989	200.0	204.5	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	797431	1000.0	1096.9	
$ 83 Toluene-d8 (Surr)	98	6.713	6.713	0.000	99	444941	50.0	49.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	1672129	200.0	174.5	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	93	599275	200.0	208.2	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	534670	200.0	219.5	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	319603	200.0	195.6	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	442993	200.0	188.1	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	605812	200.0	202.3	
90 2-Hexanone	43	7.621	7.621	0.000	94	1055996	1000.0	1085.0	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	572488	200.0	212.8	
92 Chlorodibromomethane	129	7.780	7.779	0.001	98	447929	200.0	211.0	
93 Ethylene Dibromide	107	7.932	7.932	0.000	98	376804	200.0	197.9	
* 94 Chlorobenzene-d5	117	8.481	8.481	0.000	82	351741	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	1175018	200.0	193.2	
96 Ethylbenzene	106	8.627	8.621	0.006	97	635435	200.0	198.9	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	470565	200.0	210.5	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	773722	200.0	198.0	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	349436	200.0	227.9	
99 o-Xylene	106	9.298	9.297	0.001	95	811798	200.0	203.5	
101 Styrene	104	9.328	9.328	0.000	96	1260119	200.0	210.7	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	728187	200.0	222.0	
102 Bromoform	173	9.566	9.566	0.000	62	314012	200.0	208.2	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	1986706	200.0	203.3	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	95	144824	50.0	49.5	
106 Bromobenzene	156	10.084	10.084	0.000	94	541869	200.0	201.6	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	499458	200.0	202.5	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	2266651	200.0	194.4	
109 1,2,3-Trichloropropane	110	10.188	10.194	-0.006	97	136574	200.0	199.0	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	93	114911	200.0	204.8	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	1578813	200.0	197.5	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	1979994	200.0	199.9	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	94	1717824	200.0	208.8	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	1427278	200.0	194.2	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	638546	200.0	200.3	
116 tert-Butylbenzene	119	10.675	10.675	0.000	95	1513504	200.0	209.2	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	96	1768355	200.0	203.3	
118 sec-Butylbenzene	105	10.889	10.889	0.000	98	2228013	200.0	203.2	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	97	1034420	200.0	198.7	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	97	1981578	200.0	210.5	
* 121 1,4-Dichlorobenzene-d4	152	11.090	11.084	0.006	92	200827	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	95	1044224	200.0	198.8	
123 1,2,3-Trimethylbenzene	105	11.133	11.132	0.001	97	1936472	200.0	205.0	
124 Benzyl chloride	91	11.248	11.248	0.000	100	1013526	200.0	210.0	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	1824929	200.0	201.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	1268413	200.0	203.8	
127 n-Butylbenzene	92	11.395	11.395	0.000	98	992209	200.0	199.3	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	97	1027752	200.0	196.5	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	2009575	200.0	207.9	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	128611	200.0	209.6	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	943742	200.0	203.4	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	879024	200.0	198.5	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	391942	200.0	212.9	
134 Naphthalene	128	12.925	12.925	0.000	99	2011783	200.0	198.4	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	864504	200.0	198.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		400.0	351.3	
S 137 Xylenes, Total	100				0		400.0	401.5	
S 139 1,3-Dichloropropene, Total	1				0		400.0	412.6	
S 140 Total BTEX	1				0		1000.0	953.9	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

MIX 2 Hi_00145	Amount Added:	20.00	Units: uL	
MIX I Hi_00173	Amount Added:	20.00	Units: uL	
Ethanol mix_00086	Amount Added:	20.00	Units: uL	
7 Freons Hi_00002	Amount Added:	20.00	Units: uL	
ACROLEIN W_00165	Amount Added:	20.00	Units: uL	
GAS Hi_00463	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:29:41 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D

Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17

Lims ID: STD200

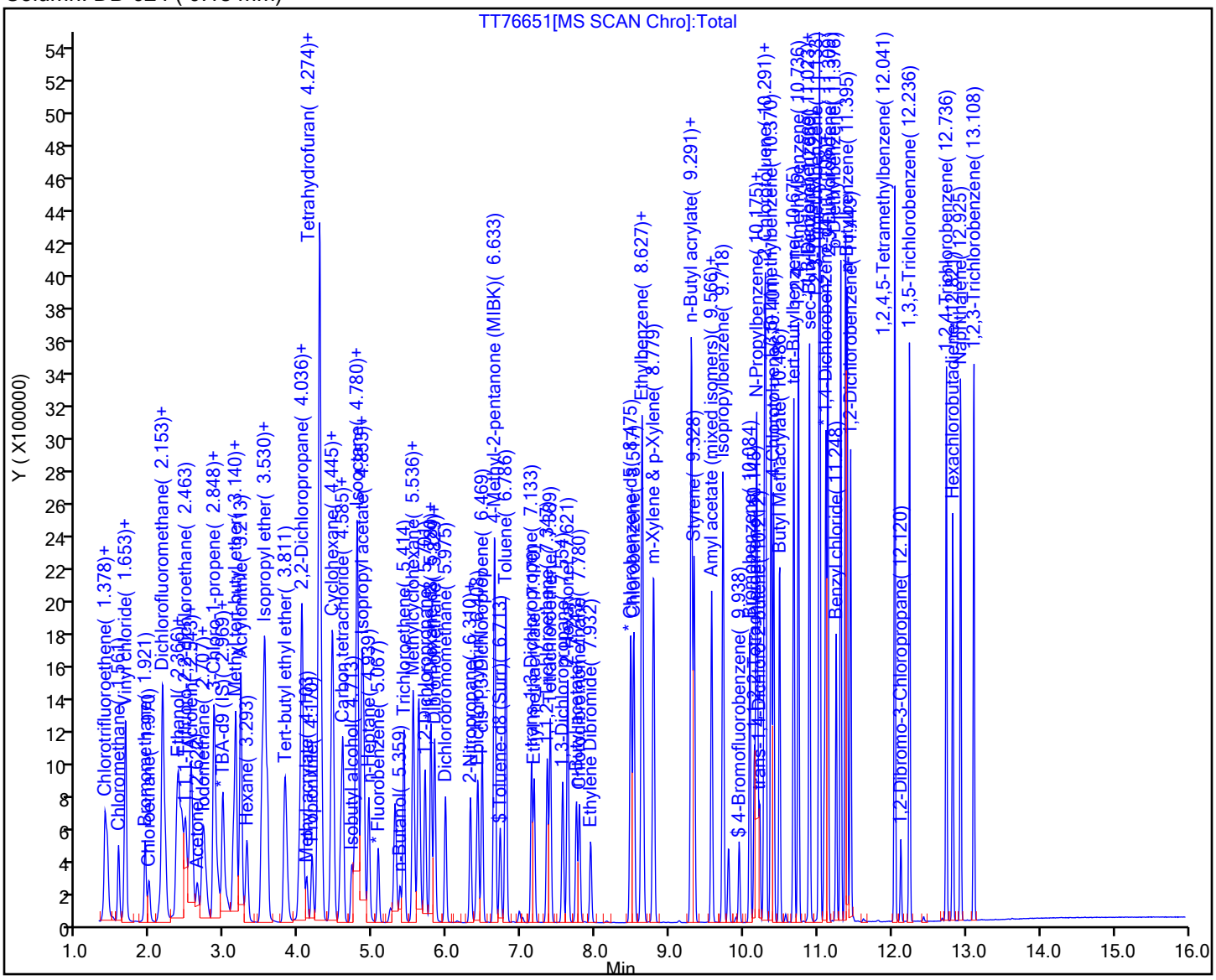
Client ID:

Operator ID: ALS Bottle#: 8 Worklist Smp#: 9

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

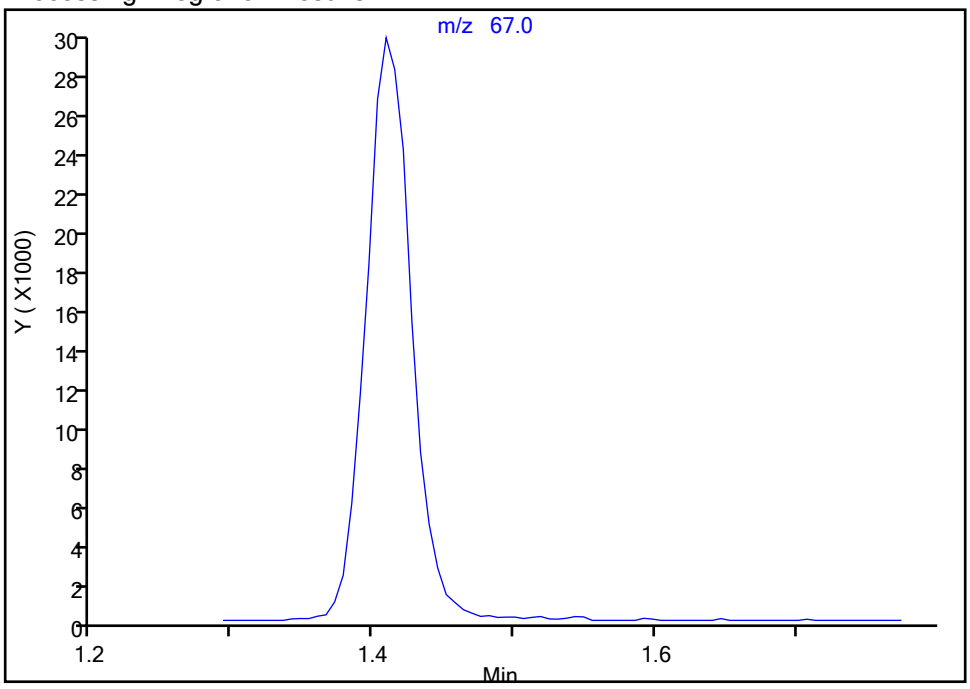
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

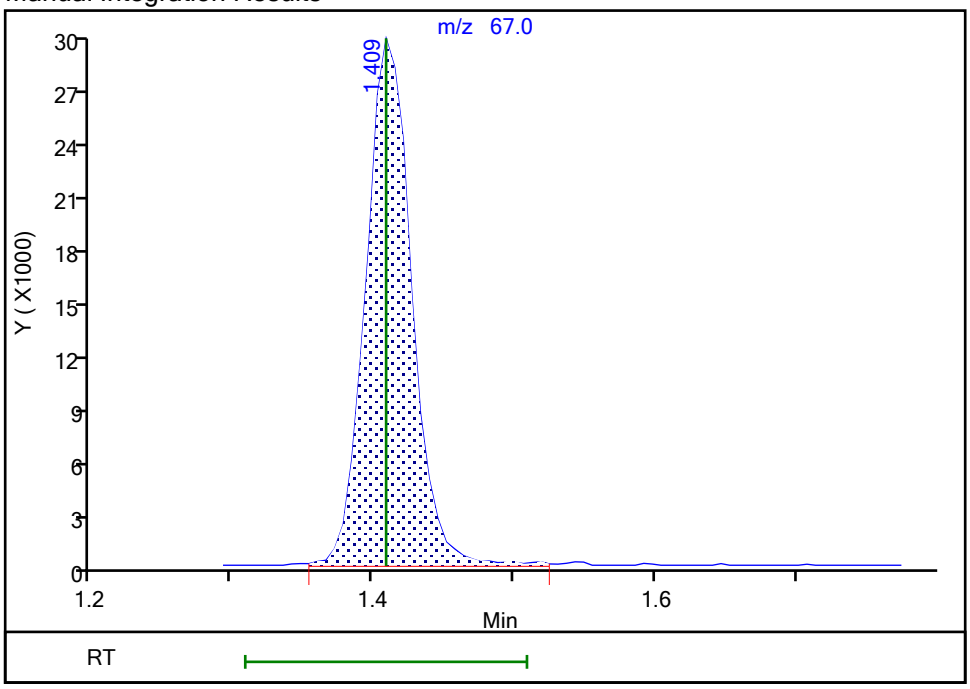
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 67892
Amount: 177.6981
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

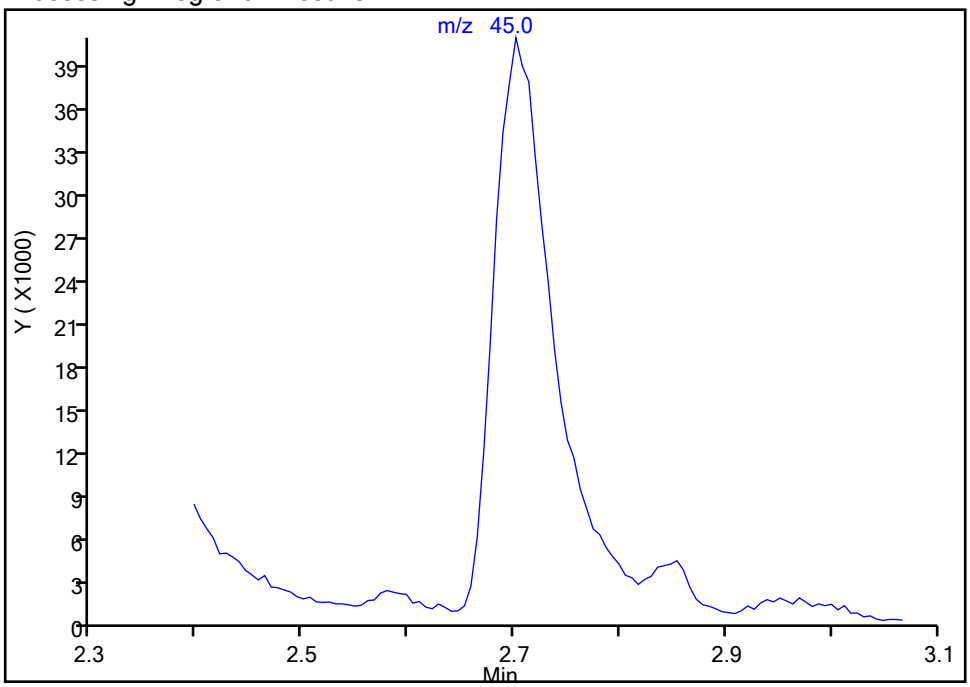
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

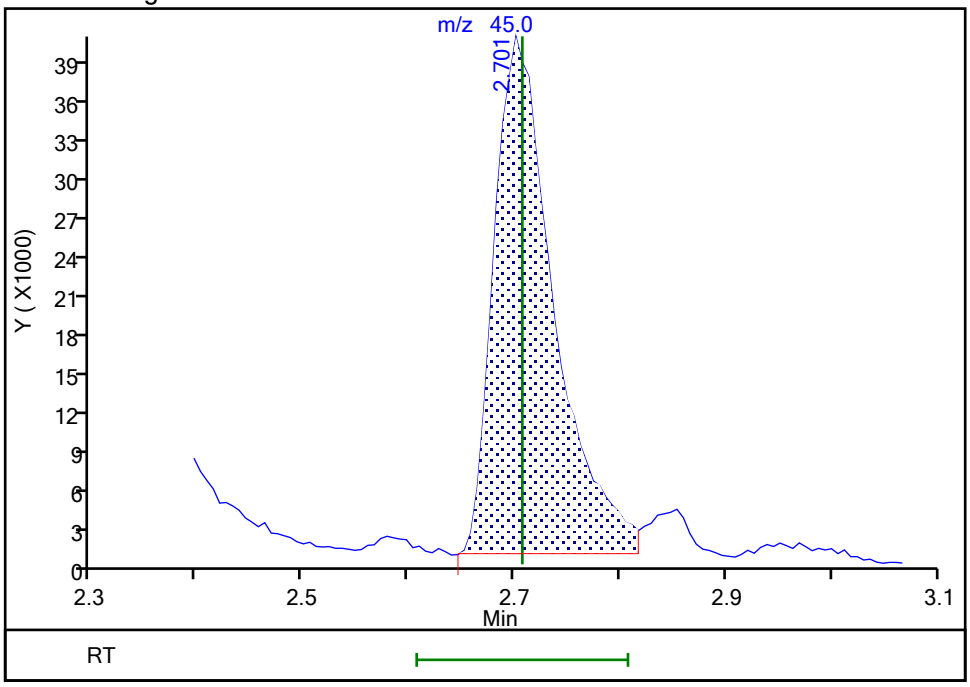
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 155666
Amount: 1859.6687
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

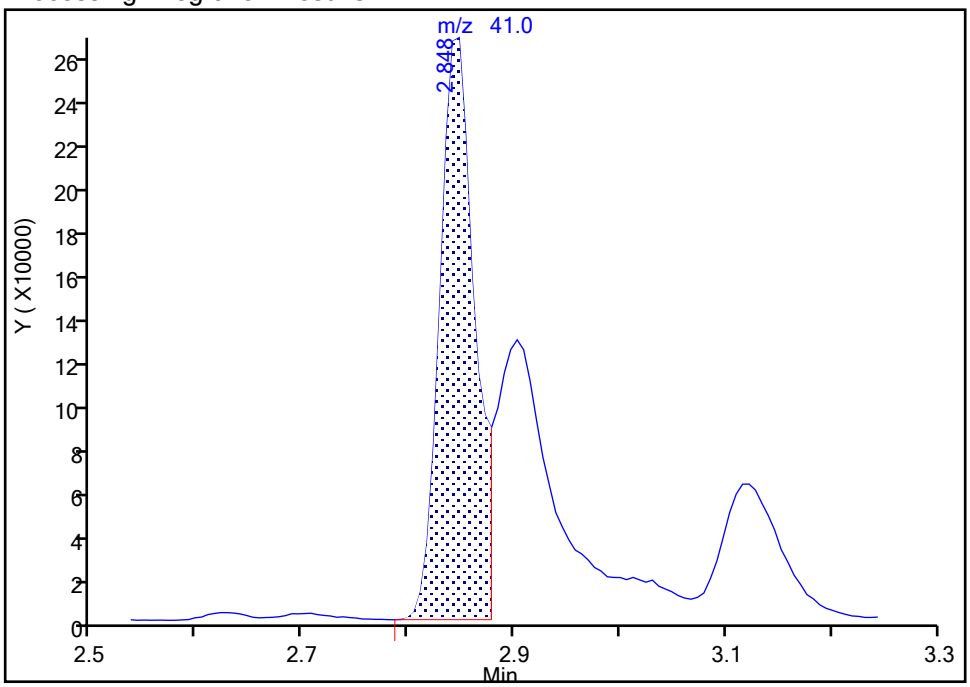
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

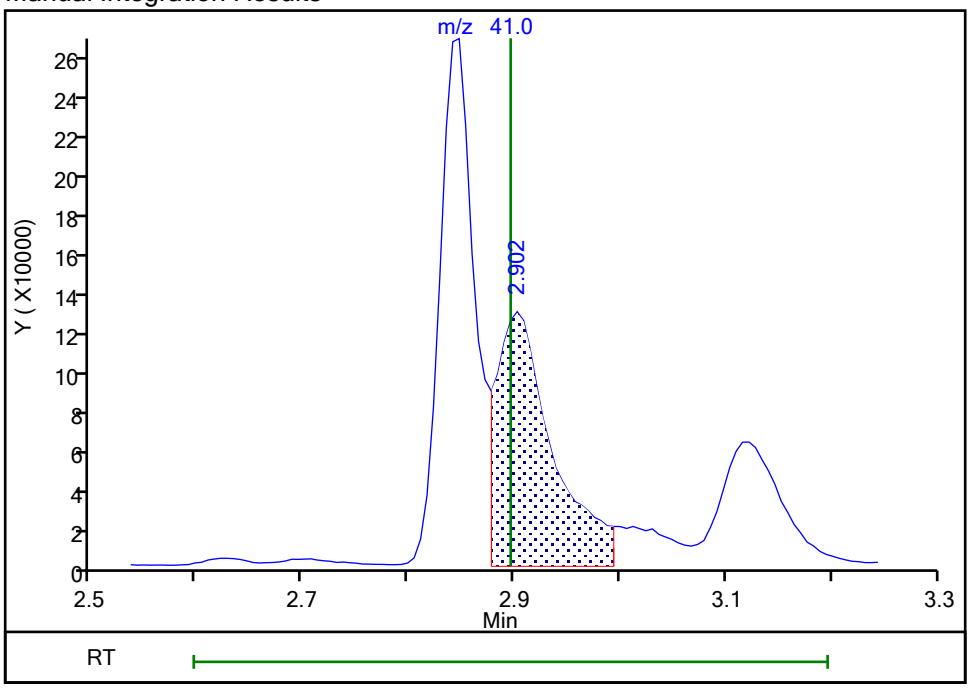
Processing Integration Results

RT: 2.85
Area: 622254
Amount: 2154.9973
Amount Units: ug/l



Manual Integration Results

RT: 2.90
Area: 479813
Amount: 1882.4658
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:02:03 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

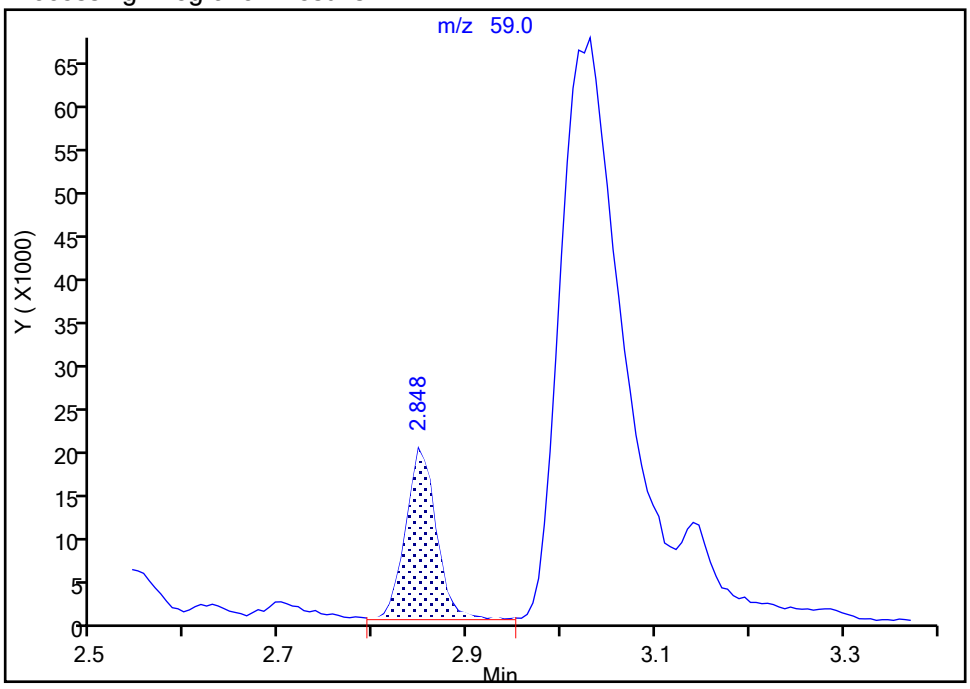
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

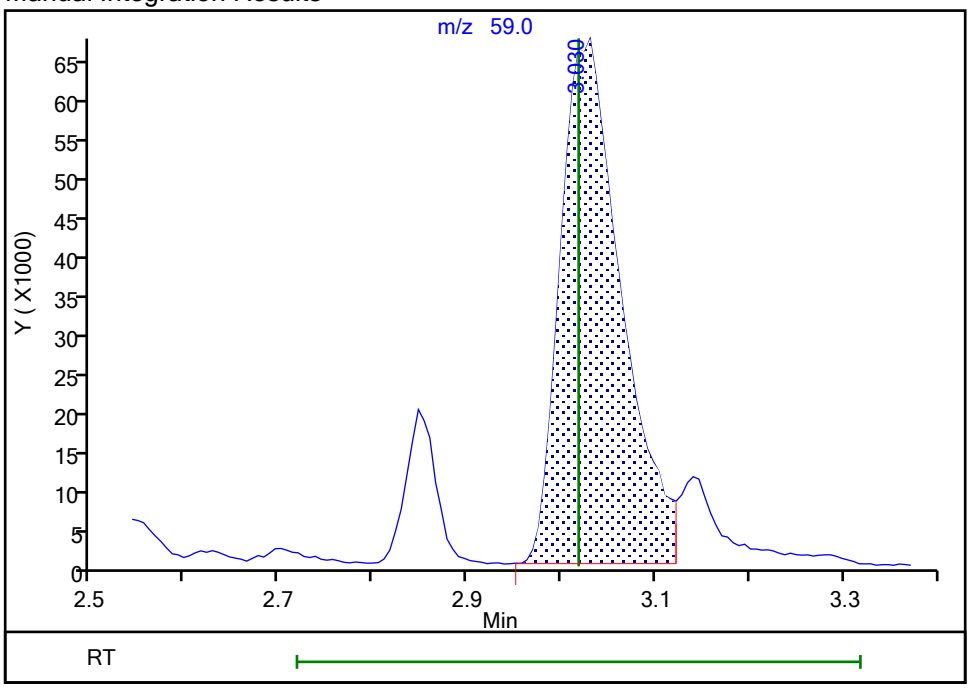
Processing Integration Results

RT: 2.85
Area: 44721
Amount: 344.3323
Amount Units: ug/l



Manual Integration Results

RT: 3.03
Area: 306956
Amount: 2040.0069
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:02:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison

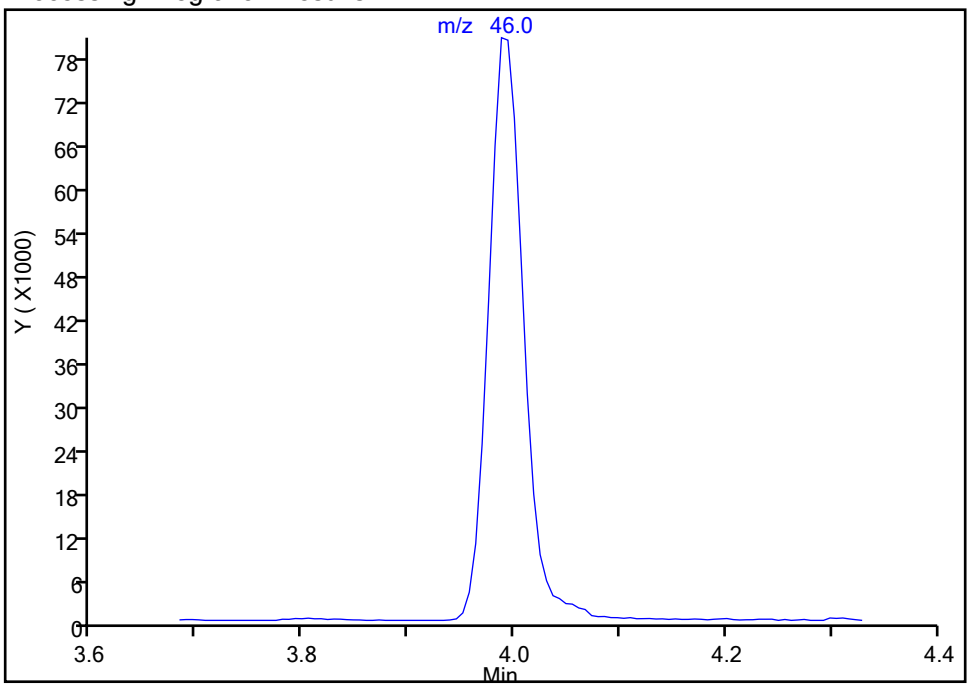
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76651.D
Injection Date: 22-Feb-2024 09:21:30 Instrument ID: CVOAMS17
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

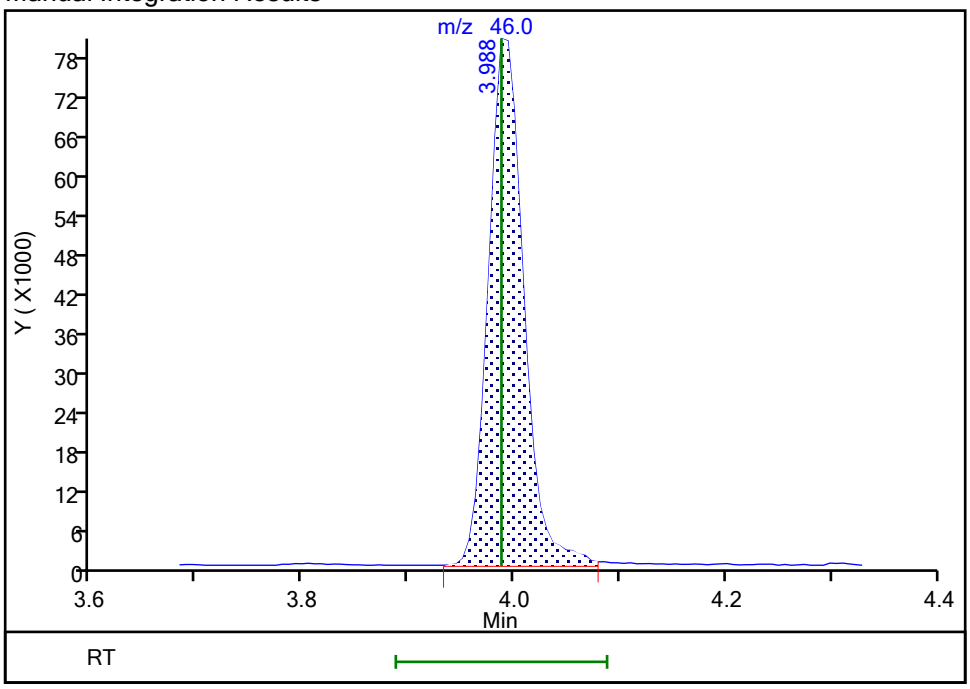
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 187586
Amount: 250.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 14:01:25 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 22-Feb-2024 09:41:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0172593-010
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 22-Feb-2024 18:30:05 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1654

First Level Reviewer: FK2C Date: 22-Feb-2024 10:12:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	208383	500.0	242.9	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	96	476542	500.0	406.9	
4 Dichlorodifluoromethane	85	1.403	1.390	0.013	99	1626794	500.0	546.1	
5 Chlorodifluoromethane	67	1.421	1.409	0.012	97	166857	500.0	410.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	1461213	500.0	460.9	
7 Vinyl chloride	62	1.653	1.647	0.006	98	1417109	500.0	482.4	
8 Butadiene	54	1.665	1.659	0.006	95	1270256	500.0	501.4	
9 Bromomethane	94	1.927	1.915	0.012	99	916672	500.0	415.1	
10 Chloroethane	64	1.982	1.970	0.012	99	751547	500.0	449.9	
11 Dichlorofluoromethane	67	2.159	2.146	0.013	99	2424191	500.0	490.5	
13 Pentane	72	2.177	2.165	0.012	97	213021	1000.0	1004.7	
12 Trichlorofluoromethane	101	2.177	2.165	0.012	99	1738008	500.0	524.5	
15 Ethyl ether	74	2.348	2.342	0.006	94	626249	500.0	413.7	
14 Ethanol	46	2.341	2.348	-0.007	83	166665	20000	23395	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	92	728670	500.0	433.6	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.421	2.402	0.019	84	1094745	500.0	466.9	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	91	1653091	500.0	463.4	
19 Acrolein	56	2.512	2.506	0.006	94	168967	400.0	413.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.537	2.524	0.012	97	1033141	500.0	480.9	
21 1,1-Dichloroethene	96	2.561	2.549	0.012	96	917283	500.0	406.4	
22 Acetone	43	2.628	2.616	0.012	88	1362613	2500.0	2499.4	
23 Iodomethane	142	2.701	2.689	0.012	97	1803569	500.0	414.7	
25 Isopropyl alcohol	45	2.707	2.707	0.000	90	442852	5000.0	5002.1	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	2136073	500.0	263.4	
26 3-Chloro-1-propene	76	2.854	2.841	0.013	94	665613	500.0	460.0	
27 Methyl acetate	43	2.854	2.848	0.006	98	1354862	1000.0	917.2	
28 Cyclopentene	67	2.872	2.860	0.012	93	1555213	500.0	357.2	
29 Acetonitrile	41	2.908	2.896	0.012	96	1465432	5000.0	5001.4	a
* 31 TBA-d9 (IS)	66	2.957	2.957	0.000	0	29584	1000.0	1000.0	a
30 Methylene Chloride	84	2.975	2.969	0.006	89	1175111	500.0	448.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.030	3.018	0.012	98	813188	5000.0	5109.7	
33 Methyl tert-butyl ether	73	3.128	3.116	0.012	97	3140233	500.0	456.1	
34 trans-1,2-Dichloroethene	96	3.152	3.140	0.012	92	1023918	500.0	408.3	
35 Acrylonitrile	53	3.219	3.207	0.012	94	3737347	5000.0	4655.6	
36 Hexane	57	3.299	3.293	0.006	91	931167	500.0	341.8	
37 Isopropyl ether	45	3.506	3.500	0.006	94	3361532	500.0	465.4	
38 1,1-Dichloroethane	63	3.536	3.524	0.012	99	1851554	500.0	465.1	
39 Vinyl acetate	86	3.542	3.543	0.000	100	465249	1000.0	966.4	
40 2-Chloro-1,3-butadiene	88	3.579	3.567	0.012	88	920940	500.0	478.3	
41 Tert-butyl ethyl ether	59	3.817	3.805	0.012	91	3308686	500.0	482.2	
* 42 2-Butanone-d5	46	3.994	3.988	0.006	0	215638	250.0	250.0	a
43 2,2-Dichloropropane	97	4.030	4.012	0.018	94	403870	500.0	491.1	
44 cis-1,2-Dichloroethene	96	4.036	4.030	0.006	98	1230827	500.0	454.1	
45 2-Butanone (MEK)	72	4.048	4.042	0.006	97	550717	2500.0	2337.5	
46 Ethyl acetate	70	4.055	4.049	0.006	96	232153	1000.0	927.9	
47 Methyl acrylate	55	4.103	4.097	0.006	100	865043	500.0	486.8	
48 Propionitrile	54	4.176	4.170	0.006	99	1378534	5000.0	4949.8	
50 Tetrahydrofuran	72	4.250	4.244	0.006	84	260050	1000.0	1045.2	
49 Chlorobromomethane	128	4.256	4.250	0.006	86	636746	500.0	468.1	
51 Methacrylonitrile	67	4.286	4.274	0.012	88	4175220	5000.0	4744.3	
52 Chloroform	83	4.311	4.298	0.013	99	1783050	500.0	457.1	
53 Cyclohexane	84	4.445	4.439	0.006	89	1307444	500.0	438.2	
54 1,1,1-Trichloroethane	97	4.457	4.451	0.006	98	1559346	500.0	468.2	
$ 55 Dibromofluoromethane (Surr)	113	4.463	4.457	0.006	97	126044	50.0	50.1	
56 Carbon tetrachloride	117	4.573	4.561	0.012	97	1374506	500.0	478.4	
57 1,1-Dichloropropene	75	4.597	4.591	0.006	98	1278904	500.0	448.0	
58 Isobutyl alcohol	43	4.713	4.707	0.006	96	767266	12500	12499	
59 Isooctane	57	4.768	4.756	0.012	98	3728460	500.0	510.9	
60 Benzene	78	4.786	4.786	0.000	96	3876945	500.0	405.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.804	4.798	0.006	0	135746	50.0	54.8	
63 Isopropyl acetate	61	4.847	4.841	0.006	97	580135	500.0	529.0	
62 Tert-amyl methyl ether	73	4.859	4.847	0.012	91	3395461	500.0	489.9	
64 1,2-Dichloroethane	62	4.878	4.872	0.006	95	1226041	500.0	465.6	
65 n-Heptane	100	4.945	4.932	0.013	90	210672	500.0	NQ	
* 66 Fluorobenzene	96	5.073	5.067	0.006	99	485775	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	85	558374	12500	12501	
68 Trichloroethene	95	5.414	5.408	0.006	97	1069212	500.0	460.2	
69 Methylcyclohexane	83	5.542	5.536	0.006	94	1626295	500.0	467.6	
70 Ethyl acrylate	99	5.542	5.536	0.006	99	164613	500.0	500.3	
71 1,2-Dichloropropane	63	5.701	5.695	0.006	94	1116173	500.0	487.8	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	20568	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	85	612794	1000.0	1115.5	
75 1,4-Dioxane	88	5.804	5.804	0.000	86	172984	10000	11112	
74 Dibromomethane	93	5.829	5.823	0.006	95	671423	500.0	481.7	
76 n-Propyl acetate	43	5.835	5.829	0.006	97	1350227	500.0	532.1	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	1434524	500.0	501.9	
78 2-Nitropropane	41	6.310	6.310	0.000	96	463756	1000.0	1099.7	
79 2-Chloroethyl vinyl ether	63	6.316	6.310	0.006	94	713492	501.2	531.6	
80 Epichlorohydrin	57	6.414	6.408	0.006	99	1838413	10000	9423.4	
81 cis-1,3-Dichloropropene	75	6.475	6.469	0.006	89	1808237	500.0	490.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.639	6.633	0.006	93	2067886	2500.0	2474.4	
$ 83 Toluene-d8 (Surr)	98	6.719	6.713	0.006	99	476693	50.0	48.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.792	6.786	0.006	95	4161775	500.0	392.7	
85 trans-1,3-Dichloropropene	75	7.139	7.133	0.006	95	1597356	500.0	501.8	
86 Ethyl methacrylate	69	7.176	7.170	0.006	88	1427663	500.0	530.1	
87 1,1,2-Trichloroethane	83	7.347	7.347	0.000	97	861774	500.0	477.0	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	1162773	500.0	446.4	
89 1,3-Dichloropropane	76	7.560	7.554	0.006	91	1603553	500.0	484.2	
90 2-Hexanone	43	7.627	7.621	0.006	93	2806164	2500.0	2508.2	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	1545960	500.0	519.7	
92 Chlorodibromomethane	129	7.785	7.779	0.006	98	1204603	500.0	513.1	
93 Ethylene Dibromide	107	7.938	7.932	0.006	98	1004434	500.0	477.0	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	80	388971	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	95	3054491	500.0	454.1	
96 Ethylbenzene	106	8.627	8.621	0.006	97	1664781	500.0	471.1	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	97	1238196	500.0	500.9	
98 m-Xylene & p-Xylene	106	8.785	8.785	0.000	0	2029866	500.0	469.8	
100 n-Butyl acrylate	73	9.291	9.291	0.000	99	936897	500.0	552.6	
99 o-Xylene	106	9.297	9.297	0.000	96	2076651	500.0	470.7	
101 Styrene	104	9.334	9.328	0.006	95	3234116	500.0	489.1	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	1906916	500.0	538.6	
102 Bromoform	173	9.572	9.566	0.006	65	831076	500.0	498.3	
104 Isopropylbenzene	105	9.724	9.718	0.006	96	4765685	500.0	440.9	
$ 105 4-Bromofluorobenzene	174	9.938	9.938	0.000	94	158839	50.0	49.1	
106 Bromobenzene	156	10.084	10.084	0.000	94	1409751	500.0	485.8	
107 1,1,2,2-Tetrachloroethane	83	10.145	10.139	0.006	98	1310599	500.0	492.3	
108 N-Propylbenzene	91	10.175	10.169	0.006	98	5264436	500.0	418.3	
109 1,2,3-Trichloropropane	110	10.194	10.194	0.000	98	359102	500.0	484.8	
110 trans-1,4-Dichloro-2-butene	53	10.218	10.212	0.006	95	311901	500.0	514.9	
111 2-Chlorotoluene	91	10.285	10.279	0.006	97	3899632	500.0	451.9	
112 4-Ethyltoluene	105	10.297	10.297	0.000	97	4711415	500.0	440.7	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	96	4098955	500.0	461.5	
114 4-Chlorotoluene	91	10.407	10.401	0.006	95	3481054	500.0	438.8	
115 Butyl Methacrylate	87	10.486	10.486	0.000	87	1684754	500.0	500.0	
116 tert-Butylbenzene	119	10.675	10.675	0.000	94	3662919	500.0	468.9	
117 1,2,4-Trimethylbenzene	105	10.742	10.736	0.006	96	4144709	500.0	441.3	
118 sec-Butylbenzene	105	10.889	10.889	0.000	96	5036320	500.0	425.5	
119 1,3-Dichlorobenzene	146	11.017	11.017	0.000	95	2529062	500.0	450.0	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	4435804	500.0	436.5	
* 121 1,4-Dichlorobenzene-d4	152	11.090	11.084	0.006	93	216807	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	94	2580959	500.0	455.1	
123 1,2,3-Trimethylbenzene	105	11.138	11.132	0.006	95	4409674	500.0	432.4	
124 Benzyl chloride	91	11.248	11.248	0.000	99	2568786	500.0	493.1	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	95	4185687	500.0	427.2	
126 p-Diethylbenzene	119	11.376	11.370	0.006	93	2955959	500.0	440.0	
127 n-Butylbenzene	92	11.395	11.395	0.000	98	2375756	500.0	441.9	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	96	2526417	500.0	447.4	
129 1,2,4,5-Tetramethylbenzene	119	12.041	12.035	0.006	98	4252085	500.0	407.5	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	336144	500.0	507.4	
131 1,3,5-Trichlorobenzene	180	12.242	12.236	0.006	98	2137622	500.0	426.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	95	1976309	500.0	413.4	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	95	918395	500.0	462.0	
134 Naphthalene	128	12.931	12.925	0.006	98	4264441	500.0	389.6	
135 1,2,3-Trichlorobenzene	180	13.108	13.108	0.000	96	1889494	500.0	401.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		1000.0	862.4	
S 137 Xylenes, Total	100				0		1000.0	940.5	
S 139 1,3-Dichloropropene, Total	1				0		1000.0	992.7	
S 140 Total BTEX	1				0		2500.0	2209.9	

QC Flag Legend

Processing Flags
NQ - Not Quantifiable
Review Flags
a - User Assigned ID

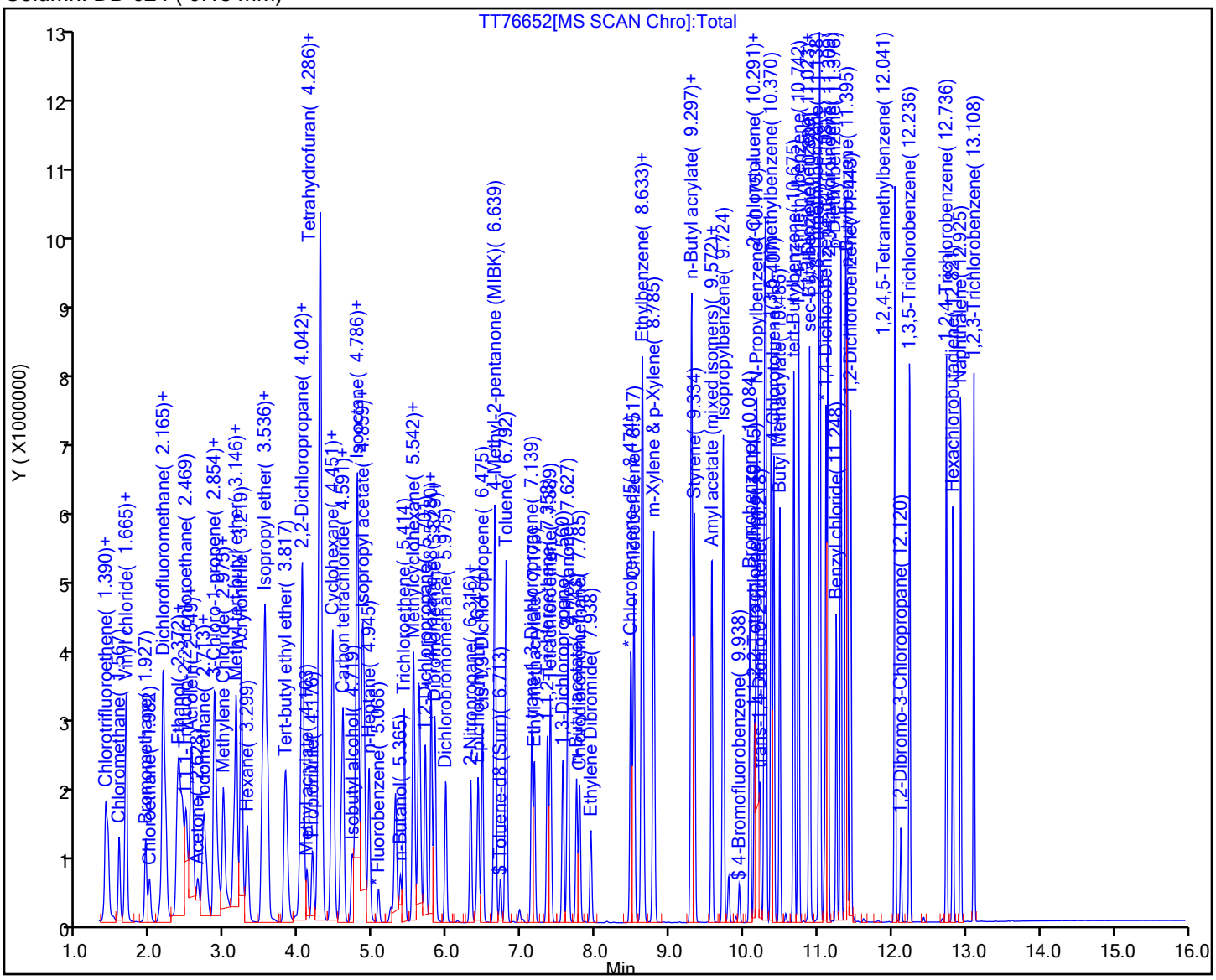
Reagents:

MIX 2 Hi_00145	Amount Added:	50.00	Units: uL	
MIX I Hi_00173	Amount Added:	50.00	Units: uL	
Ethanol mix_00086	Amount Added:	50.00	Units: uL	
7 Freons Hi_00002	Amount Added:	50.00	Units: uL	
ACROLEIN W_00165	Amount Added:	40.00	Units: uL	
GAS Hi_00463	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 22-Feb-2024 18:30:05 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

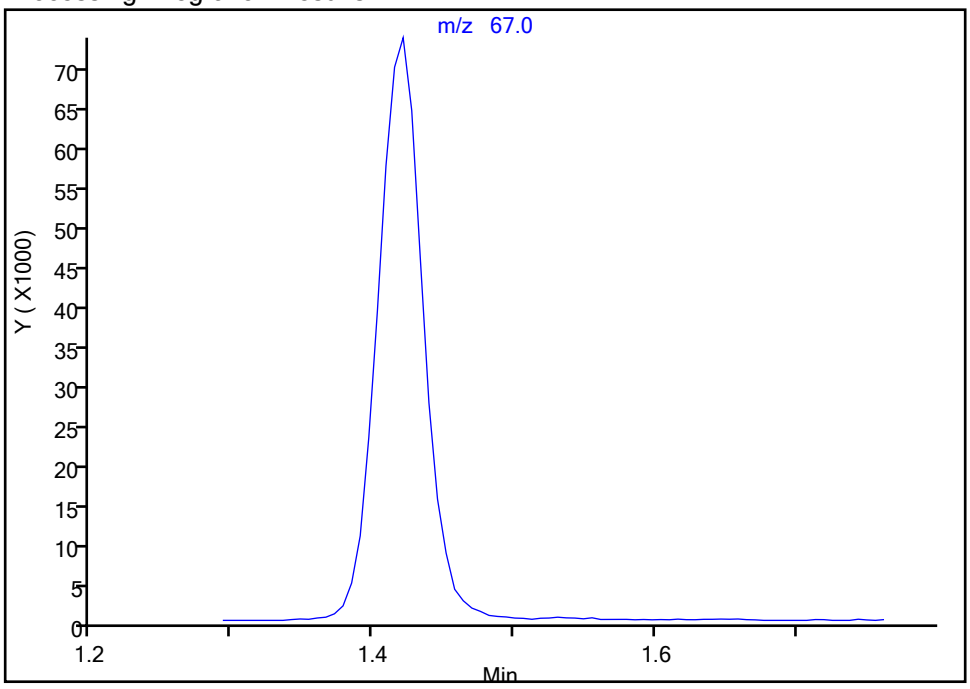
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

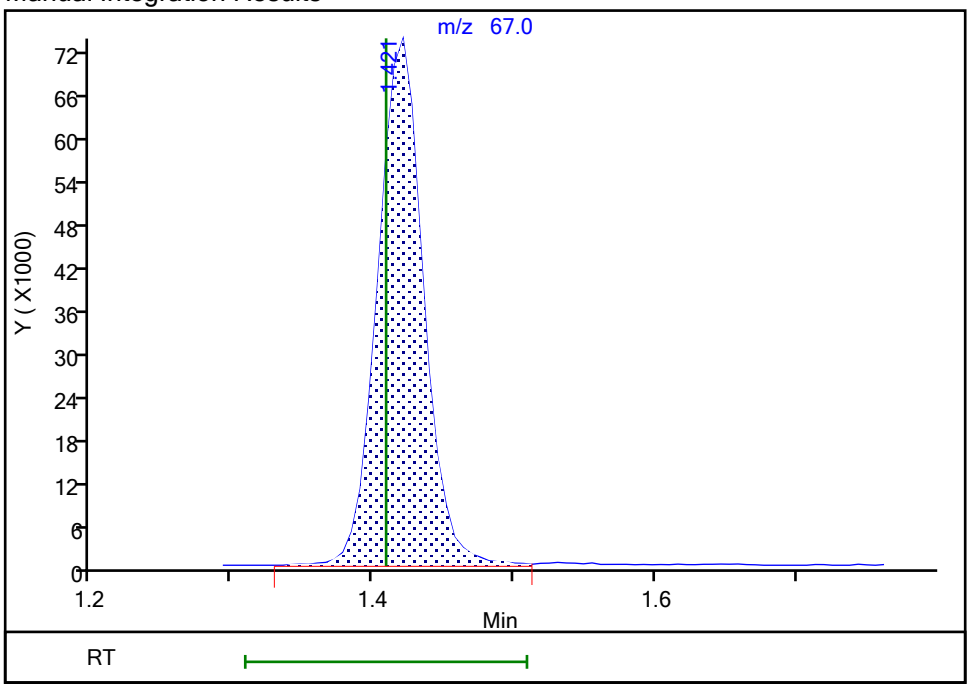
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.42
Area: 166857
Amount: 410.8731
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

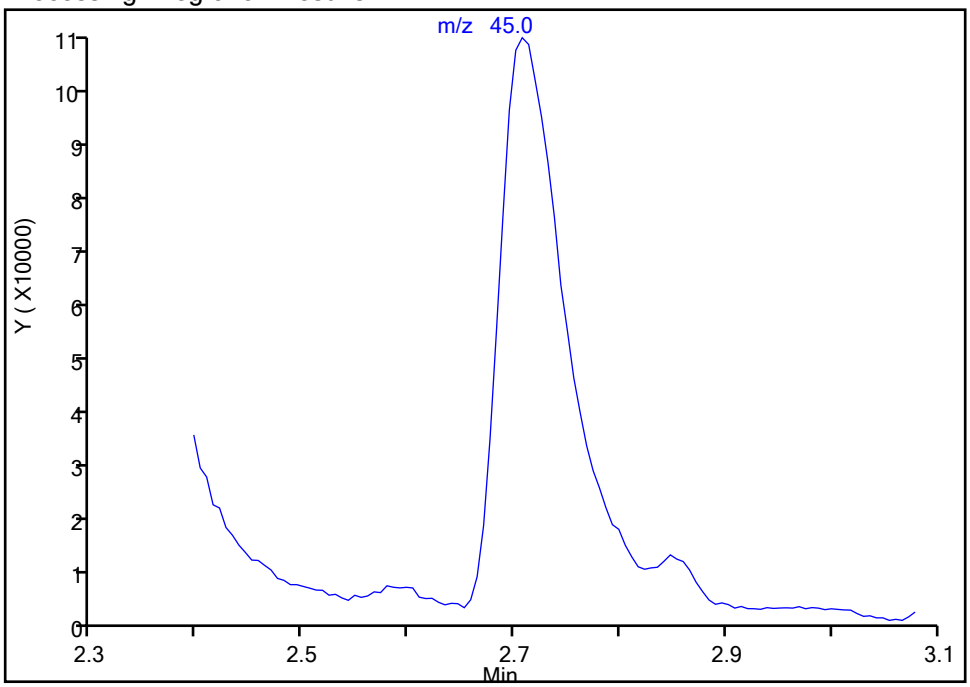
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

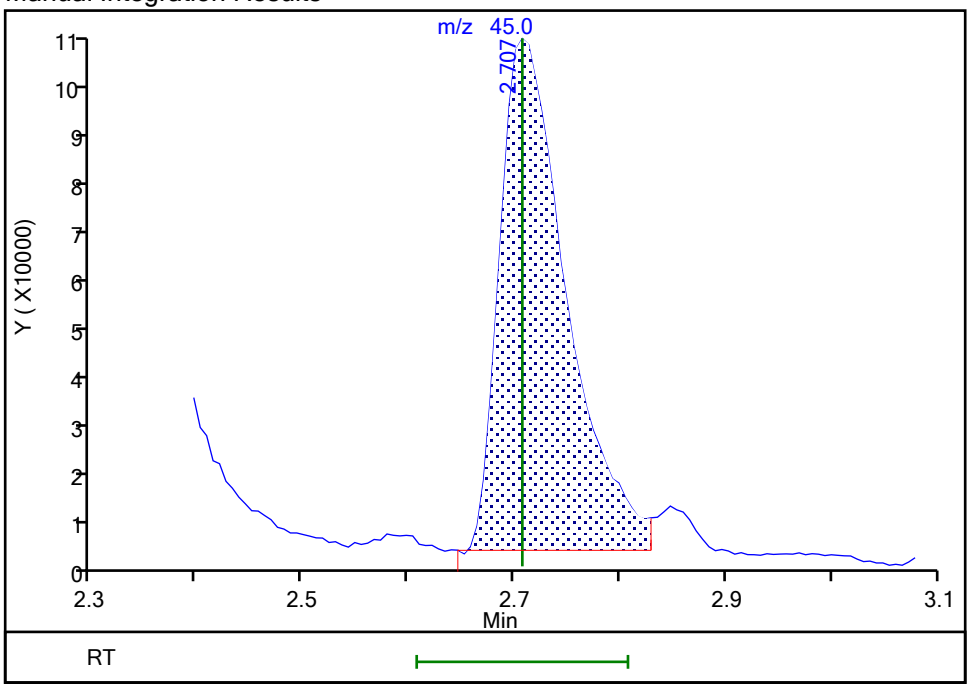
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.71
Area: 442852
Amount: 5002.0903
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:32 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

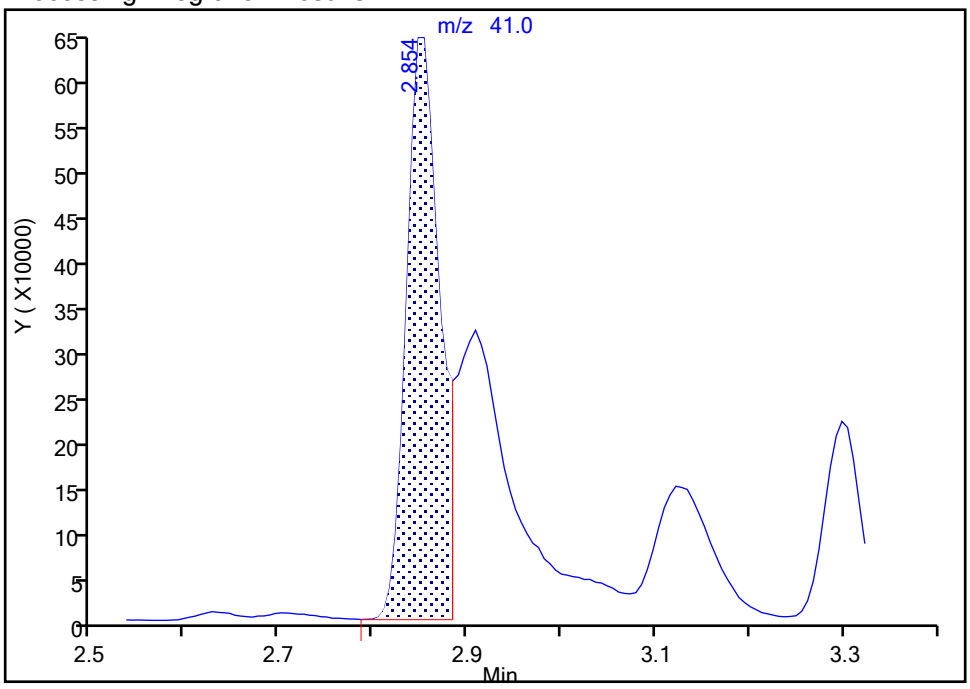
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

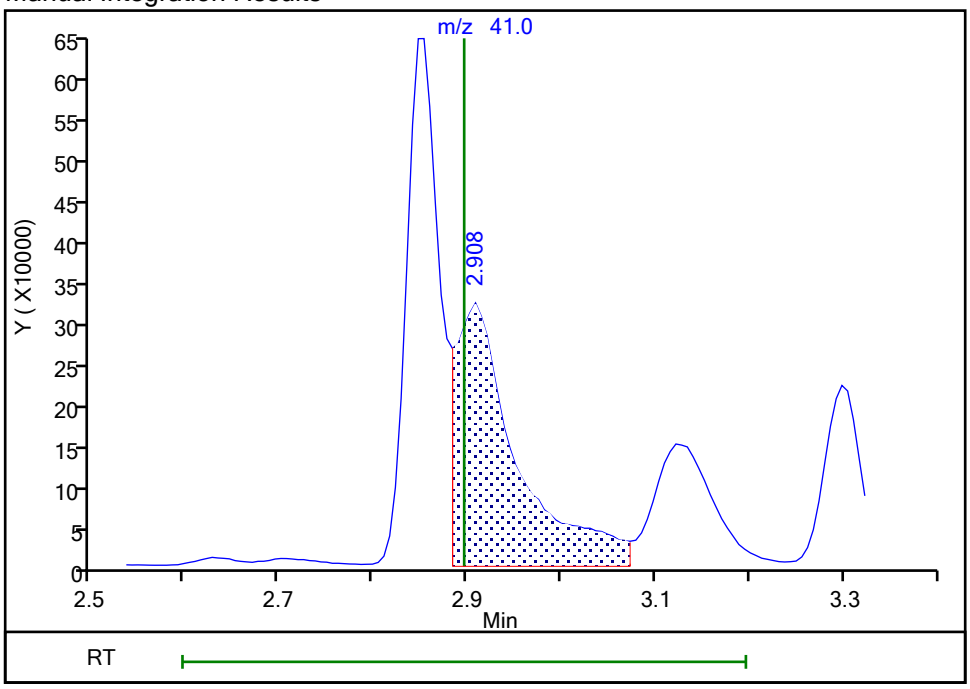
Processing Integration Results

RT: 2.85
Area: 1612743
Amount: 5002.9907
Amount Units: ug/l



Manual Integration Results

RT: 2.91
Area: 1465432
Amount: 5001.4495
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:58:40 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

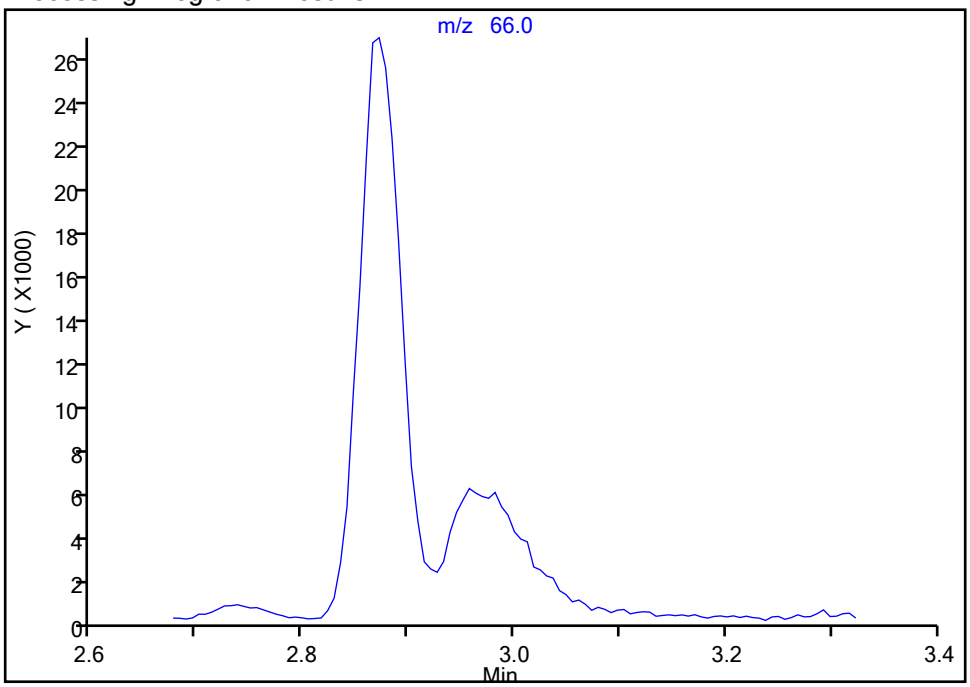
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 31 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

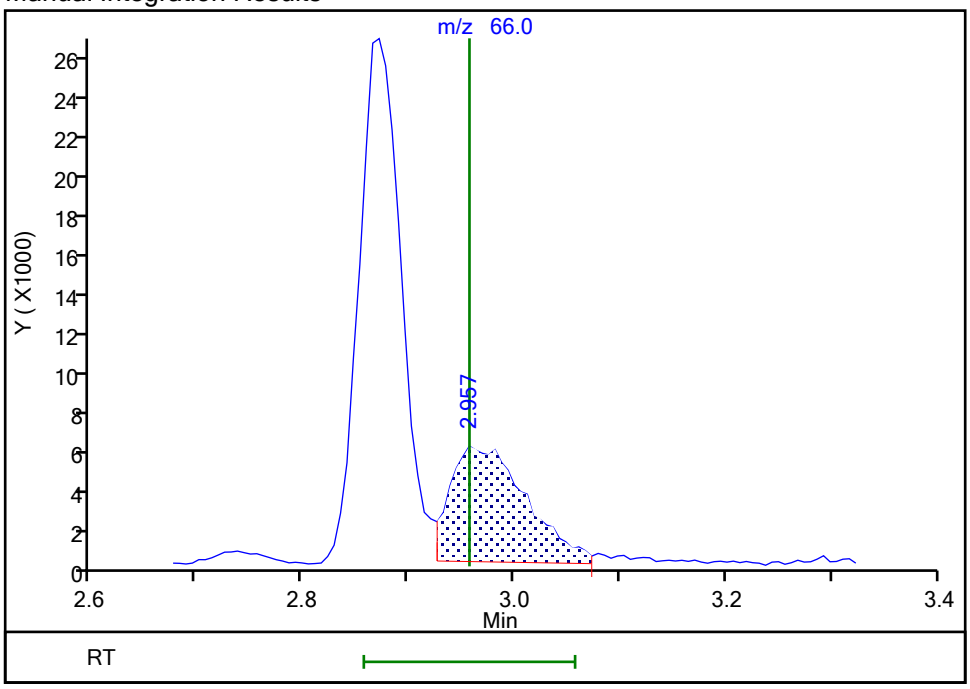
Not Detected
Expected RT: 2.96

Processing Integration Results



Manual Integration Results

RT: 2.96
Area: 29584
Amount: 1000.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:57:54 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

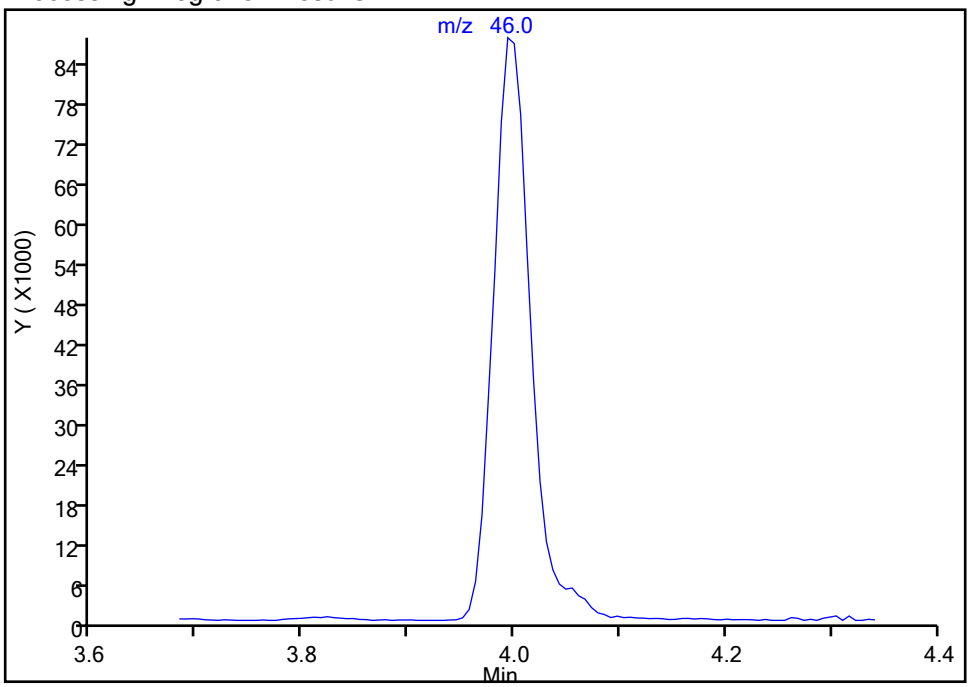
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D
Injection Date: 22-Feb-2024 09:41:30 Instrument ID: CVOAMS17
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

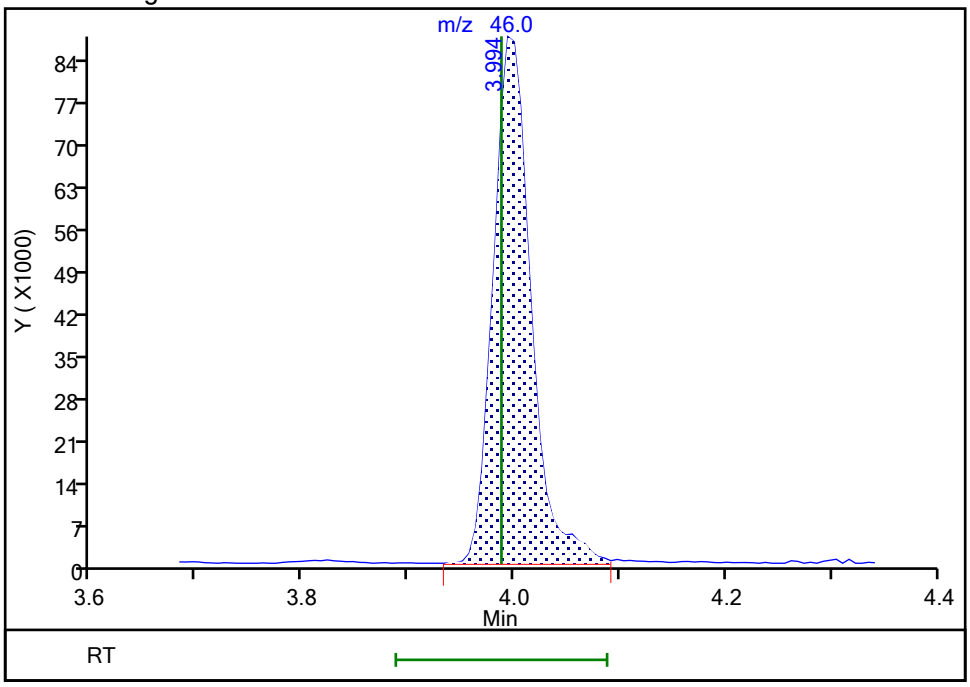
Not Detected
Expected RT: 3.99

Processing Integration Results



Manual Integration Results

RT: 3.99
Area: 215638
Amount: 250.0000
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 13:57:59 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Split Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 07/28/2023 03:54

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/28/2023 10:24

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0230			5.00	20.0		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2024 10:59:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0172593-014
Operator ID: Instrument ID: CVOAMS17
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Feb-2024 06:21:41 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1673

First Level Reviewer: FK2C Date: 23-Feb-2024 06:21:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	18731	20.0	22.5	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	97	28228	20.0	24.8	
4 Dichlorodifluoromethane	85	1.402	1.390	0.012	80	57771	20.0	20.0	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	95	7837	20.0	19.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	59015	20.0	19.2	
7 Vinyl chloride	62	1.652	1.647	0.005	97	59890	20.0	21.0	
8 Butadiene	54	1.665	1.659	0.006	96	48488	20.0	19.7	
9 Bromomethane	94	1.927	1.915	0.012	99	42533	20.0	19.9	
10 Chloroethane	64	1.982	1.970	0.012	99	33678	20.0	20.8	
11 Dichlorofluoromethane	67	2.158	2.146	0.012	99	103651	20.0	21.6	
13 Pentane	72	2.171	2.165	0.006	98	12926	40.0	57.4	
12 Trichlorofluoromethane	101	2.171	2.165	0.006	61	71218	20.0	22.2	
15 Ethyl ether	74	2.347	2.342	0.005	94	30011	20.0	20.4	
14 Ethanol	46	2.317	2.348	-0.031	91	5760	800.0	812.5	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	91	39113	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.414	2.402	0.012	89	49955	20.0	22.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	89	77865	20.0	22.5	
19 Acrolein	56	2.512	2.506	0.006	94	16079	39.5	40.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.536	2.524	0.012	95	43576	20.0	20.9	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	97	48897	20.0	22.3	
22 Acetone	43	2.628	2.616	0.012	87	57417	100.0	102.6	
23 Iodomethane	142	2.701	2.689	0.012	96	94174	20.0	22.3	
25 Isopropyl alcohol	45	2.695	2.707	-0.012	64	18832	200.0	213.8	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	169543	20.0	21.5	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	100	32421	20.0	23.1	
27 Methyl acetate	43	2.853	2.848	0.005	98	66358	40.0	46.3	
28 Cyclopentene	67	2.866	2.860	0.006	93	95467	20.0	22.6	
29 Acetonitrile	41	2.902	2.896	0.006	97	58453	200.0	209.9	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	29440	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	90	56852	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	94	34556	200.0	218.2	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	143257	20.0	21.4	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	52802	20.0	21.7	
35 Acrylonitrile	53	3.213	3.207	0.006	95	179230	200.0	230.1	
36 Hexane	57	3.298	3.293	0.005	91	52445	20.0	19.8	
37 Isopropyl ether	45	3.506	3.500	0.006	95	151692	20.0	21.6	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	87321	20.0	22.6	
39 Vinyl acetate	86	3.542	3.543	0.000	100	20073	40.0	43.9	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	45386	20.0	24.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	91	150226	20.0	22.6	
* 42 2-Butanone-d5	46	3.993	3.988	0.005	0	204915	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.012	0.006	93	18539	20.0	23.2	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	56651	20.0	21.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	24854	100.0	111.0	
46 Ethyl acetate	70	4.048	4.049	0.000	95	9829	40.0	41.3	
47 Methyl acrylate	55	4.103	4.097	0.006	99	40856	20.0	23.7	
48 Propionitrile	54	4.170	4.170	0.000	98	59903	200.0	216.1	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	72	11905	40.0	38.1	
49 Chlorobromomethane	128	4.249	4.250	-0.001	87	27864	20.0	21.1	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	202693	200.0	237.4	
52 Chloroform	83	4.304	4.298	0.006	99	81937	20.0	21.7	
53 Cyclohexane	84	4.438	4.439	-0.001	90	64279	20.0	22.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	96	71222	20.0	22.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122497	50.0	50.2	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	97	61035	20.0	21.9	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	61082	20.0	22.1	
58 Isobutyl alcohol	43	4.713	4.707	0.006	94	26159	500.0	435.3	
59 Isooctane	57	4.762	4.756	0.006	99	155097	20.0	21.9	
60 Benzene	78	4.786	4.786	0.000	96	194596	20.0	22.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119329	50.0	49.6	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	27860	20.0	26.2	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	150610	20.0	22.4	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	96	55883	20.0	21.9	
65 n-Heptane	100	4.944	4.932	0.012	89	10350	20.0	18.8	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	471263	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	89	17365	500.0	490.0	
68 Trichloroethene	95	5.414	5.408	0.006	96	49227	20.0	21.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	82	72938	20.0	21.6	
70 Ethyl acrylate	99	5.530	5.536	-0.006	97	6762	20.0	22.4	
71 1,2-Dichloropropane	63	5.700	5.695	0.005	96	49904	20.0	22.5	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	22382	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	86	23058	40.0	43.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	6309	400.0	372.4	
74 Dibromomethane	93	5.822	5.823	-0.001	90	30473	20.0	22.5	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	58344	20.0	23.7	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	58857	20.0	21.2	
78 2-Nitropropane	41	6.310	6.310	0.000	79	18545	40.0	44.5	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	85	27027	20.0	20.8	
80 Epichlorohydrin	57	6.414	6.408	0.006	95	4358	20.0	23.5	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	70421	20.0	20.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	86418	100.0	108.8	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	454569	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195829	20.0	20.2	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	65919	20.0	22.6	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	54296	20.0	22.0	
87 1,1,2-Trichloroethane	83	7.346	7.347	-0.001	97	35984	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	51618	20.0	21.7	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	67337	20.0	22.2	
90 2-Hexanone	43	7.621	7.621	0.000	95	120435	100.0	113.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	61599	20.0	22.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	47013	20.0	21.9	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	42234	20.0	21.9	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	355889	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	130565	20.0	21.2	
96 Ethylbenzene	106	8.621	8.621	0.000	98	70184	20.0	21.7	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	49109	20.0	21.7	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	85525	20.0	21.6	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	33015	20.0	21.3	
99 o-Xylene	106	9.297	9.297	0.000	95	87841	20.0	21.8	
101 Styrene	104	9.328	9.328	0.000	97	134115	20.0	22.2	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	76270	20.0	23.3	
102 Bromoform	173	9.566	9.566	0.000	61	31288	20.0	20.5	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	227888	20.0	23.0	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	148521	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	95	57889	20.0	21.6	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	57173	20.0	23.2	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	268147	20.0	23.0	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	96	15661	20.0	22.8	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	90	13273	20.0	23.7	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	177770	20.0	22.3	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	227231	20.0	23.0	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	95	189411	20.0	23.0	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	160648	20.0	21.9	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	62882	20.0	19.5	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	162251	20.0	22.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	193064	20.0	22.2	
118 sec-Butylbenzene	105	10.888	10.889	-0.001	99	252232	20.0	23.0	
119 1,3-Dichlorobenzene	146	11.016	11.017	-0.001	98	114859	20.0	22.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	216057	20.0	23.0	
* 121 1,4-Dichlorobenzene-d4	152	11.083	11.084	-0.001	94	200661	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	96	114822	20.0	21.9	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	211006	20.0	22.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	114163	20.0	23.7	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	209766	20.0	23.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	144381	20.0	23.2	
127 n-Butylbenzene	92	11.394	11.395	-0.001	98	114876	20.0	23.1	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	115406	20.0	22.1	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	225025	20.0	23.3	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	13298	20.0	21.7	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	105499	20.0	22.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	100015	20.0	22.6	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	43291	20.0	23.5	
134 Naphthalene	128	12.925	12.925	0.000	99	234233	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	13.107	13.108	-0.001	96	96742	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.2	
S 137 Xylenes, Total	100				0		40.0	43.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.5	
S 140 Total BTEX	1				0		100.0	107.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN SP_00162	Amount Added:	4.00	Units: uL	
GAS C SP_00555	Amount Added:	20.00	Units: uL	
7 Freons SS_00011	Amount Added:	20.00	Units: uL	
8260 SP_00177	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Feb-2024 06:21:42 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D

Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17

Lims ID: ICV

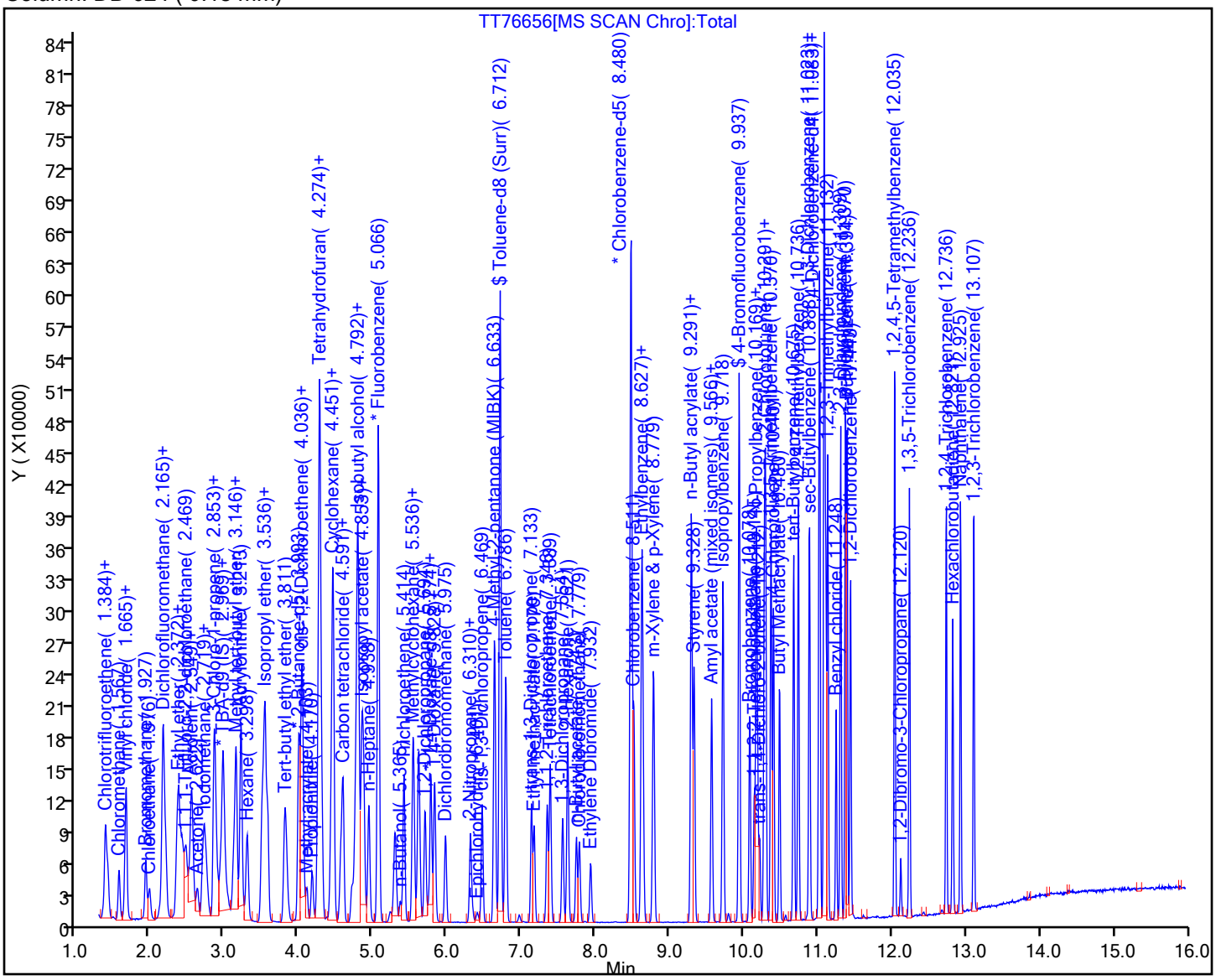
Client ID:

Operator ID: ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0883	0.0994		22.5	20.0	12.5	30.0
1,1-Difluoroethane	Ave	0.1205	0.1497		24.8	20.0	24.2	30.0
Dichlorodifluoromethane	Ave	0.3066	0.3065	0.1000	20.0	20.0	-0.0	30.0
Chlorodifluoromethane	Ave	0.0418	0.0416		19.9	20.0	-0.5	30.0
Chloromethane	Ave	0.3264	0.3131	0.1000	19.2	20.0	-4.1	30.0
Vinyl chloride	Ave	0.3024	0.3177	0.1000	21.0	20.0	5.1	30.0
Butadiene	Ave	0.2608	0.2572		19.7	20.0	-1.4	30.0
Bromomethane	Ave	0.2273	0.2256	0.1000	19.9	20.0	-0.7	30.0
Chloroethane	Ave	0.1719	0.1787	0.1000	20.8	20.0	3.9	30.0
Dichlorofluoromethane	Ave	0.5087	0.5499		21.6	20.0	8.1	30.0
Pentane	QuaF		0.0343		57.4	40.0	43.4*	30.0
Trichlorofluoromethane	Ave	0.3411	0.3778	0.1000	22.2	20.0	10.8	30.0
Ethanol	Ave	0.2408	0.2446		812	800	1.6	30.0
Ethyl ether	Ave	0.1558	0.1592		20.4	20.0	2.2	30.0
2-Methyl-1,3-butadiene	Ave	0.1730	0.2075		24.0	20.0	20.0	30.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2414	0.2650		22.0	20.0	9.8	30.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3672	0.4131		22.5	20.0	12.5	30.0
Acrolein	Ave	0.0421	0.0432		40.5	39.5	2.7	30.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2312	0.1000	20.9	20.0	4.5	30.0
1,1-Dichloroethene	Ave	0.2323	0.2594	0.1000	22.3	20.0	11.7	30.0
Acetone	QuaF		0.7005	0.0500	103	100	2.6	30.0
Isopropyl alcohol	Ave	2.993	3.198		214	200	6.9	30.0
Iodomethane	Ave	0.4477	0.4996		22.3	20.0	11.6	30.0
Carbon disulfide	Ave	0.8348	0.8994	0.1000	21.5	20.0	7.7	30.0
3-Chloro-1-propene	Ave	0.1489	0.1720		23.1	20.0	15.5	30.0
Methyl acetate	Ave	0.1520	0.1760	0.1000	46.3	40.0	15.8	30.0
Cyclopentene	Ave	0.4482	0.5064		22.6	20.0	13.0	30.0
Acetonitrile	Ave	0.3397	0.3566		210	200	5.0	30.0
Methylene Chloride	Ave	0.2699	0.3016	0.1000	22.3	20.0	11.7	30.0
2-Methyl-2-propanol	Ave	5.379	5.869		218	200	9.1	30.0
Methyl tert-butyl ether	Ave	0.7087	0.7600	0.1000	21.4	20.0	7.2	30.0
trans-1,2-Dichloroethene	Ave	0.2581	0.2801	0.1000	21.7	20.0	8.5	30.0
Acrylonitrile	Ave	0.0826	0.0951		230	200	15.1	30.0
Hexane	Ave	0.2804	0.2782		19.8	20.0	-0.8	30.0
Isopropyl ether	Ave	0.7434	0.8047		21.6	20.0	8.2	30.0
1,1-Dichloroethane	Ave	0.4097	0.4632	0.2000	22.6	20.0	13.1	30.0
Vinyl acetate	Ave	0.5581	0.6122		43.9	40.0	9.7	30.0
2-Chloro-1,3-butadiene	Ave	0.1982	0.2408		24.3	20.0	21.5	30.0
Tert-butyl ethyl ether	Ave	0.7063	0.7969		22.6	20.0	12.8	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.0847	0.0983		23.2	20.0	16.2	30.0
cis-1,2-Dichloroethene	Ave	0.2790	0.3005	0.1000	21.5	20.0	7.7	30.0
2-Butanone (MEK)	Ave	0.2731	0.3032	0.0500	111	100	11.0	30.0
Ethyl acetate	Ave	0.2901	0.2998		41.3	40.0	3.4	30.0
Methyl acrylate	Ave	0.1829	0.2167		23.7	20.0	18.5	30.0
Propionitrile	Ave	9.414	10.17		216	200	8.1	30.0
Tetrahydrofuran	Qua2		0.3631		38.1	40.0	-4.8	30.0
Chlorobromomethane	Ave	0.1400	0.1478		21.1	20.0	5.6	30.0
Methacrylonitrile	Ave	0.0906	0.1075		237	200	18.7	30.0
Chloroform	Ave	0.4015	0.4347	0.2000	21.7	20.0	8.3	30.0
Cyclohexane	Ave	0.3071	0.3410	0.1000	22.2	20.0	11.0	30.0
1,1,1-Trichloroethane	Ave	0.3428	0.3778	0.1000	22.0	20.0	10.2	30.0
Carbon tetrachloride	Ave	0.2958	0.3238	0.1000	21.9	20.0	9.5	30.0
1,1-Dichloropropene	Ave	0.2938	0.3240		22.1	20.0	10.3	30.0
Isobutyl alcohol	QuaF		1.777		435	500	-12.9	30.0
Isooctane	Ave	0.7511	0.8228		21.9	20.0	9.5	30.0
Benzene	Ave	1.229	1.367	0.5000	22.3	20.0	11.3	30.0
Isopropyl acetate	Ave	0.1129	0.1478		26.2	20.0	30.9*	30.0
Tert-amyl methyl ether	Ave	0.7133	0.7990		22.4	20.0	12.0	30.0
1,2-Dichloroethane	Ave	0.2711	0.2965	0.1000	21.9	20.0	9.4	30.0
n-Heptane	Qua2		0.0549		18.8	20.0	-6.0	30.0
n-Butanol	QuaF		1.180		490	500	-2.0	30.0
Trichloroethene	Ave	0.2392	0.2611	0.2000	21.8	20.0	9.2	30.0
Ethyl acrylate	QuaF		0.0359		22.4	20.0	12.1	30.0
Methylcyclohexane	Ave	0.3580	0.3869	0.1000	21.6	20.0	8.1	30.0
1,2-Dichloropropane	Ave	0.2355	0.2647	0.1000	22.5	20.0	12.4	30.0
Methyl methacrylate	Ave	0.0565	0.0612		43.3	40.0	8.2	30.0
1,4-Dioxane	Ave	0.7569	0.7047		372	400	-6.9	30.0
Dibromomethane	Ave	0.1435	0.1617		22.5	20.0	12.7	30.0
n-Propyl acetate	Ave	0.2612	0.3095		23.7	20.0	18.5	30.0
Dichlorobromomethane	Ave	0.2942	0.3122	0.2000	21.2	20.0	6.1	30.0
2-Chloroethyl vinyl ether	Ave	0.1381	0.1434		20.8	20.0	3.8	30.0
2-Nitropropane	Lin2		0.0492		44.5	40.0	11.1	30.0
Epichlorohydrin	Ave	0.2262	0.2658		23.5	20.0	17.5	30.0
cis-1,3-Dichloropropene	Ave	0.4735	0.4947	0.2000	20.9	20.0	4.5	30.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9689	1.054	0.0500	109	100	8.8	30.0
Toluene	Ave	1.362	1.376	0.4000	20.2	20.0	1.0	30.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4631	0.1000	22.6	20.0	13.2	30.0
Ethyl methacrylate	Ave	0.3462	0.3814		22.0	20.0	10.2	30.0
1,1,2-Trichloroethane	Ave	0.2322	0.2528	0.1000	21.8	20.0	8.9	30.0
Tetrachloroethene	Ave	0.3348	0.3626	0.2000	21.7	20.0	8.3	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4257	0.4730		22.2	20.0	11.1	30.0
2-Hexanone	Ave	1.297	1.469	0.0500	113	100	13.3	30.0
n-Butyl acetate	Ave	0.3824	0.4327		22.6	20.0	13.2	30.0
Chlorodibromomethane	Ave	0.3018	0.3303	0.1000	21.9	20.0	9.4	30.0
Ethylene Dibromide	Ave	0.2707	0.2967	0.1000	21.9	20.0	9.6	30.0
Chlorobenzene	Ave	0.8646	0.9172	0.5000	21.2	20.0	6.1	30.0
Ethylbenzene	Ave	0.4542	0.4930	0.1000	21.7	20.0	8.5	30.0
1,1,1,2-Tetrachloroethane	Ave	0.3177	0.3450		21.7	20.0	8.6	30.0
m-Xylene & p-Xylene	Ave	0.5554	0.6008	0.1000	21.6	20.0	8.2	30.0
n-Butyl acrylate	Ave	0.2179	0.2319		21.3	20.0	6.4	30.0
o-Xylene	Ave	0.5671	0.6171	0.3000	21.8	20.0	8.8	30.0
Styrene	Ave	0.8500	0.9421	0.3000	22.2	20.0	10.8	30.0
Amyl acetate (mixed isomers)	Ave	0.8165	0.9502		23.3	20.0	16.4	30.0
Bromoform	Ave	0.2144	0.2198	0.1000	20.5	20.0	2.5	30.0
Isopropylbenzene	Ave	1.389	1.601	0.1000	23.0	20.0	15.2	30.0
Bromobenzene	Ave	0.6693	0.7212		21.6	20.0	7.8	30.0
1,1,2,2-Tetrachloroethane	Ave	0.6139	0.7123	0.3000	23.2	20.0	16.0	30.0
N-Propylbenzene	Ave	2.902	3.341		23.0	20.0	15.1	30.0
1,2,3-Trichloropropane	Ave	0.1708	0.1951		22.8	20.0	14.2	30.0
trans-1,4-Dichloro-2-butene	Ave	0.1397	0.1654		23.7	20.0	18.4	30.0
2-Chlorotoluene	Ave	1.990	2.215		22.3	20.0	11.3	30.0
4-Ethyltoluene	Ave	2.465	2.831		23.0	20.0	14.8	30.0
1,3,5-Trimethylbenzene	Ave	2.048	2.360		23.0	20.0	15.2	30.0
4-Chlorotoluene	Ave	1.829	2.001		21.9	20.0	9.4	30.0
Butyl Methacrylate	QuaF		0.7834		19.5	20.0	-2.5	30.0
tert-Butylbenzene	Ave	1.802	2.021		22.4	20.0	12.2	30.0
1,2,4-Trimethylbenzene	Ave	2.166	2.405		22.2	20.0	11.1	30.0
sec-Butylbenzene	Ave	2.730	3.143		23.0	20.0	15.1	30.0
1,3-Dichlorobenzene	Ave	1.296	1.431	0.6000	22.1	20.0	10.4	30.0
4-Isopropyltoluene	Ave	2.344	2.692		23.0	20.0	14.9	30.0
1,4-Dichlorobenzene	Ave	1.308	1.431	0.5000	21.9	20.0	9.4	30.0
1,2,3-Trimethylbenzene	Ave	2.352	2.629		22.4	20.0	11.8	30.0
Benzyl chloride	Ave	1.202	1.422		23.7	20.0	18.4	30.0
Indan	Ave	2.260	2.613		23.1	20.0	15.7	30.0
p-Diethylbenzene	Ave	1.549	1.799		23.2	20.0	16.1	30.0
n-Butylbenzene	Ave	1.240	1.431		23.1	20.0	15.4	30.0
1,2-Dichlorobenzene	Ave	1.302	1.438	0.4000	22.1	20.0	10.4	30.0
1,2,4,5-Tetramethylbenzene	Ave	2.406	2.804		23.3	20.0	16.5	30.0
1,2-Dibromo-3-Chloropropane	Ave	0.1528	0.1657	0.0500	21.7	20.0	8.4	30.0
1,3,5-Trichlorobenzene	Ave	1.155	1.314		22.8	20.0	13.8	30.0
1,2,4-Trichlorobenzene	Ave	1.103	1.246	0.2000	22.6	20.0	13.0	30.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-960584/14 Calibration Date: 02/22/2024 10:59

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT76656.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.4584	0.5394		23.5	20.0	17.7	30.0
Naphthalene	Ave	2.524	2.918		23.1	20.0	15.6	30.0
1,2,3-Trichlorobenzene	Ave	1.085	1.205		22.2	20.0	11.1	30.0
Dibromofluoromethane (Surr)	Ave	0.2588	0.2599		50.2	50.0	0.4	30.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2551	0.2532		49.6	50.0	-0.7	30.0
Toluene-d8 (Surr)	Ave	1.267	1.277		50.4	50.0	0.8	30.0
4-Bromofluorobenzene	Ave	0.4159	0.4173		50.2	50.0	0.3	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 22-Feb-2024 10:59:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Misc. Info.: 460-0172593-014
Operator ID: Instrument ID: CVOAMS17
Sublist:

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 23-Feb-2024 06:21:41 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1673

First Level Reviewer: FK2C Date: 23-Feb-2024 06:21:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.372	1.360	0.012	88	18731	20.0	22.5	
2 1,1-Difluoroethane	65	1.384	1.372	0.012	97	28228	20.0	24.8	
4 Dichlorodifluoromethane	85	1.402	1.390	0.012	80	57771	20.0	20.0	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	95	7837	20.0	19.9	a
6 Chloromethane	50	1.567	1.561	0.006	99	59015	20.0	19.2	
7 Vinyl chloride	62	1.652	1.647	0.005	97	59890	20.0	21.0	
8 Butadiene	54	1.665	1.659	0.006	96	48488	20.0	19.7	
9 Bromomethane	94	1.927	1.915	0.012	99	42533	20.0	19.9	
10 Chloroethane	64	1.982	1.970	0.012	99	33678	20.0	20.8	
11 Dichlorofluoromethane	67	2.158	2.146	0.012	99	103651	20.0	21.6	
13 Pentane	72	2.171	2.165	0.006	98	12926	40.0	57.4	
12 Trichlorofluoromethane	101	2.171	2.165	0.006	61	71218	20.0	22.2	
15 Ethyl ether	74	2.347	2.342	0.005	94	30011	20.0	20.4	
14 Ethanol	46	2.317	2.348	-0.031	91	5760	800.0	812.5	
16 2-Methyl-1,3-butadiene	53	2.372	2.360	0.012	91	39113	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.414	2.402	0.012	89	49955	20.0	22.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.463	0.006	89	77865	20.0	22.5	
19 Acrolein	56	2.512	2.506	0.006	94	16079	39.5	40.5	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.536	2.524	0.012	95	43576	20.0	20.9	
21 1,1-Dichloroethene	96	2.555	2.549	0.006	97	48897	20.0	22.3	
22 Acetone	43	2.628	2.616	0.012	87	57417	100.0	102.6	
23 Iodomethane	142	2.701	2.689	0.012	96	94174	20.0	22.3	
25 Isopropyl alcohol	45	2.695	2.707	-0.012	64	18832	200.0	213.8	a
24 Carbon disulfide	76	2.738	2.719	0.019	98	169543	20.0	21.5	
26 3-Chloro-1-propene	76	2.847	2.841	0.006	100	32421	20.0	23.1	
27 Methyl acetate	43	2.853	2.848	0.005	98	66358	40.0	46.3	
28 Cyclopentene	67	2.866	2.860	0.006	93	95467	20.0	22.6	
29 Acetonitrile	41	2.902	2.896	0.006	97	58453	200.0	209.9	a
* 31 TBA-d9 (IS)	66	2.969	2.957	0.012	0	29440	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.969	0.000	90	56852	20.0	22.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.018	3.018	0.000	94	34556	200.0	218.2	
33 Methyl tert-butyl ether	73	3.122	3.116	0.006	97	143257	20.0	21.4	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	92	52802	20.0	21.7	
35 Acrylonitrile	53	3.213	3.207	0.006	95	179230	200.0	230.1	
36 Hexane	57	3.298	3.293	0.005	91	52445	20.0	19.8	
37 Isopropyl ether	45	3.506	3.500	0.006	95	151692	20.0	21.6	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	99	87321	20.0	22.6	
39 Vinyl acetate	86	3.542	3.543	0.000	100	20073	40.0	43.9	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	87	45386	20.0	24.3	
41 Tert-butyl ethyl ether	59	3.811	3.805	0.006	91	150226	20.0	22.6	
* 42 2-Butanone-d5	46	3.993	3.988	0.005	0	204915	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.012	0.006	93	18539	20.0	23.2	a
44 cis-1,2-Dichloroethene	96	4.030	4.030	0.000	99	56651	20.0	21.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	24854	100.0	111.0	
46 Ethyl acetate	70	4.048	4.049	0.000	95	9829	40.0	41.3	
47 Methyl acrylate	55	4.103	4.097	0.006	99	40856	20.0	23.7	
48 Propionitrile	54	4.170	4.170	0.000	98	59903	200.0	216.1	
50 Tetrahydrofuran	72	4.243	4.244	-0.001	72	11905	40.0	38.1	
49 Chlorobromomethane	128	4.249	4.250	-0.001	87	27864	20.0	21.1	
51 Methacrylonitrile	67	4.274	4.274	0.000	89	202693	200.0	237.4	
52 Chloroform	83	4.304	4.298	0.006	99	81937	20.0	21.7	
53 Cyclohexane	84	4.438	4.439	-0.001	90	64279	20.0	22.2	
54 1,1,1-Trichloroethane	97	4.451	4.451	0.000	96	71222	20.0	22.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.457	0.000	98	122497	50.0	50.2	
56 Carbon tetrachloride	117	4.560	4.561	-0.001	97	61035	20.0	21.9	
57 1,1-Dichloropropene	75	4.591	4.591	0.000	98	61082	20.0	22.1	
58 Isobutyl alcohol	43	4.713	4.707	0.006	94	26159	500.0	435.3	
59 Isooctane	57	4.762	4.756	0.006	99	155097	20.0	21.9	
60 Benzene	78	4.786	4.786	0.000	96	194596	20.0	22.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.798	0.000	0	119329	50.0	49.6	
63 Isopropyl acetate	61	4.841	4.841	0.000	95	27860	20.0	26.2	
62 Tert-amyl methyl ether	73	4.853	4.847	0.006	91	150610	20.0	22.4	
64 1,2-Dichloroethane	62	4.871	4.872	-0.001	96	55883	20.0	21.9	
65 n-Heptane	100	4.944	4.932	0.012	89	10350	20.0	18.8	
* 66 Fluorobenzene	96	5.066	5.067	-0.001	99	471263	50.0	50.0	
67 n-Butanol	56	5.365	5.359	0.006	89	17365	500.0	490.0	
68 Trichloroethene	95	5.414	5.408	0.006	96	49227	20.0	21.8	
69 Methylcyclohexane	83	5.542	5.536	0.006	82	72938	20.0	21.6	
70 Ethyl acrylate	99	5.530	5.536	-0.006	97	6762	20.0	22.4	
71 1,2-Dichloropropane	63	5.700	5.695	0.005	96	49904	20.0	22.5	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	22382	1000.0	1000.0	
73 Methyl methacrylate	100	5.780	5.780	0.000	86	23058	40.0	43.3	
75 1,4-Dioxane	88	5.804	5.804	0.000	84	6309	400.0	372.4	
74 Dibromomethane	93	5.822	5.823	-0.001	90	30473	20.0	22.5	
76 n-Propyl acetate	43	5.835	5.829	0.006	98	58344	20.0	23.7	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	58857	20.0	21.2	
78 2-Nitropropane	41	6.310	6.310	0.000	79	18545	40.0	44.5	
79 2-Chloroethyl vinyl ether	63	6.310	6.310	0.000	85	27027	20.0	20.8	
80 Epichlorohydrin	57	6.414	6.408	0.006	95	4358	20.0	23.5	
81 cis-1,3-Dichloropropene	75	6.469	6.469	0.000	89	70421	20.0	20.9	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.633	0.000	94	86418	100.0	108.8	
$ 83 Toluene-d8 (Surr)	98	6.712	6.713	-0.001	99	454569	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.786	6.786	0.000	93	195829	20.0	20.2	
85 trans-1,3-Dichloropropene	75	7.133	7.133	0.000	92	65919	20.0	22.6	
86 Ethyl methacrylate	69	7.170	7.170	0.000	87	54296	20.0	22.0	
87 1,1,2-Trichloroethane	83	7.346	7.347	-0.001	97	35984	20.0	21.8	
88 Tetrachloroethene	166	7.389	7.389	0.000	95	51618	20.0	21.7	
89 1,3-Dichloropropane	76	7.554	7.554	0.000	91	67337	20.0	22.2	
90 2-Hexanone	43	7.621	7.621	0.000	95	120435	100.0	113.3	
91 n-Butyl acetate	43	7.743	7.737	0.006	98	61599	20.0	22.6	
92 Chlorodibromomethane	129	7.779	7.779	0.000	98	47013	20.0	21.9	
93 Ethylene Dibromide	107	7.932	7.932	0.000	99	42234	20.0	21.9	
* 94 Chlorobenzene-d5	117	8.480	8.481	-0.001	84	355889	50.0	50.0	
95 Chlorobenzene	112	8.517	8.517	0.000	97	130565	20.0	21.2	
96 Ethylbenzene	106	8.621	8.621	0.000	98	70184	20.0	21.7	
97 1,1,1,2-Tetrachloroethane	131	8.639	8.633	0.006	96	49109	20.0	21.7	
98 m-Xylene & p-Xylene	106	8.779	8.785	-0.006	0	85525	20.0	21.6	
100 n-Butyl acrylate	73	9.291	9.291	0.000	98	33015	20.0	21.3	
99 o-Xylene	106	9.297	9.297	0.000	95	87841	20.0	21.8	
101 Styrene	104	9.328	9.328	0.000	97	134115	20.0	22.2	
103 Amyl acetate (mixed isomers)	43	9.566	9.566	0.000	92	76270	20.0	23.3	
102 Bromoform	173	9.566	9.566	0.000	61	31288	20.0	20.5	
104 Isopropylbenzene	105	9.718	9.718	0.000	95	227888	20.0	23.0	
$ 105 4-Bromofluorobenzene	174	9.937	9.938	-0.001	94	148521	50.0	50.2	
106 Bromobenzene	156	10.084	10.084	0.000	95	57889	20.0	21.6	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	57173	20.0	23.2	
108 N-Propylbenzene	91	10.169	10.169	0.000	100	268147	20.0	23.0	
109 1,2,3-Trichloropropane	110	10.187	10.194	-0.007	96	15661	20.0	22.8	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	90	13273	20.0	23.7	
111 2-Chlorotoluene	91	10.279	10.279	0.000	97	177770	20.0	22.3	
112 4-Ethyltoluene	105	10.297	10.297	0.000	98	227231	20.0	23.0	
113 1,3,5-Trimethylbenzene	105	10.370	10.370	0.000	95	189411	20.0	23.0	
114 4-Chlorotoluene	91	10.401	10.401	0.000	96	160648	20.0	21.9	
115 Butyl Methacrylate	87	10.486	10.486	0.000	86	62882	20.0	19.5	
116 tert-Butylbenzene	119	10.675	10.675	0.000	96	162251	20.0	22.4	
117 1,2,4-Trimethylbenzene	105	10.736	10.736	0.000	97	193064	20.0	22.2	
118 sec-Butylbenzene	105	10.888	10.889	-0.001	99	252232	20.0	23.0	
119 1,3-Dichlorobenzene	146	11.016	11.017	-0.001	98	114859	20.0	22.1	
120 4-Isopropyltoluene	119	11.029	11.029	0.000	98	216057	20.0	23.0	
* 121 1,4-Dichlorobenzene-d4	152	11.083	11.084	-0.001	94	200661	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.108	11.108	0.000	96	114822	20.0	21.9	
123 1,2,3-Trimethylbenzene	105	11.132	11.132	0.000	98	211006	20.0	22.4	
124 Benzyl chloride	91	11.248	11.248	0.000	100	114163	20.0	23.7	
125 2,3-Dihydroindene	117	11.309	11.309	0.000	94	209766	20.0	23.1	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	144381	20.0	23.2	
127 n-Butylbenzene	92	11.394	11.395	-0.001	98	114876	20.0	23.1	
128 1,2-Dichlorobenzene	146	11.443	11.443	0.000	98	115406	20.0	22.1	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	225025	20.0	23.3	
130 1,2-Dibromo-3-Chloropropane	157	12.120	12.120	0.000	92	13298	20.0	21.7	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	98	105499	20.0	22.8	
132 1,2,4-Trichlorobenzene	180	12.736	12.736	0.000	94	100015	20.0	22.6	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	96	43291	20.0	23.5	
134 Naphthalene	128	12.925	12.925	0.000	99	234233	20.0	23.1	
135 1,2,3-Trichlorobenzene	180	13.107	13.108	-0.001	96	96742	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.2	
S 137 Xylenes, Total	100				0		40.0	43.4	
S 139 1,3-Dichloropropene, Total	1				0		40.0	43.5	
S 140 Total BTEX	1				0		100.0	107.5	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN SP_00162	Amount Added:	4.00	Units: uL	
GAS C SP_00555	Amount Added:	20.00	Units: uL	
7 Freons SS_00011	Amount Added:	20.00	Units: uL	
8260 SP_00177	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 23-Feb-2024 06:21:42 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D

Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17

Lims ID: ICV

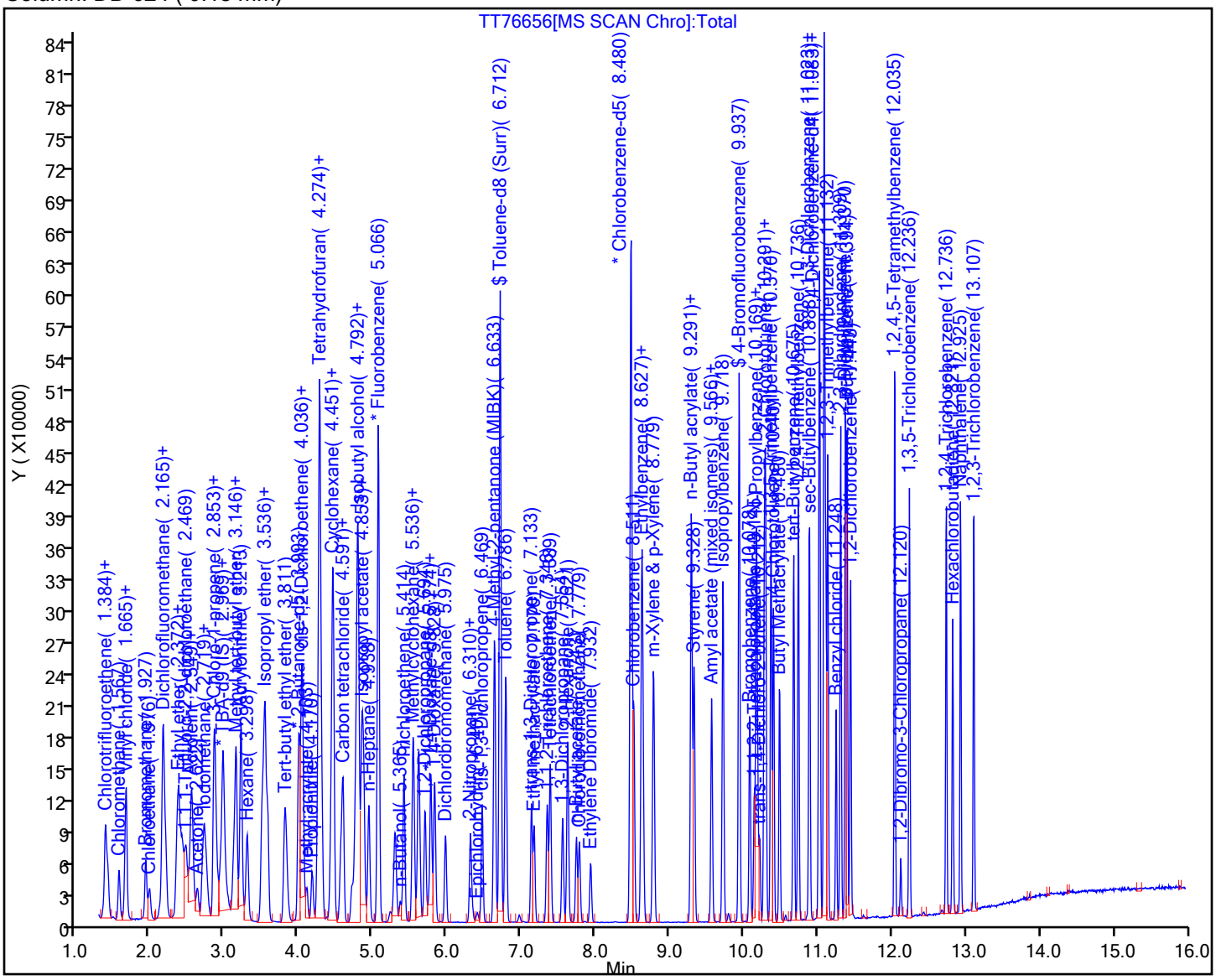
Client ID:

Operator ID: ALS Bottle#: 13 Worklist Smp#: 14

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

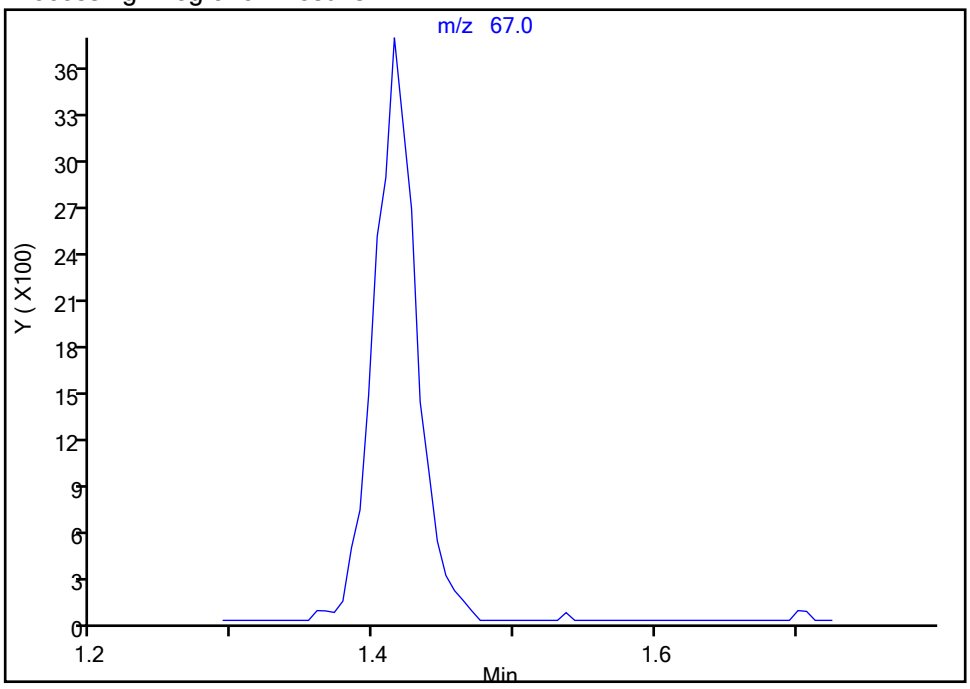
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

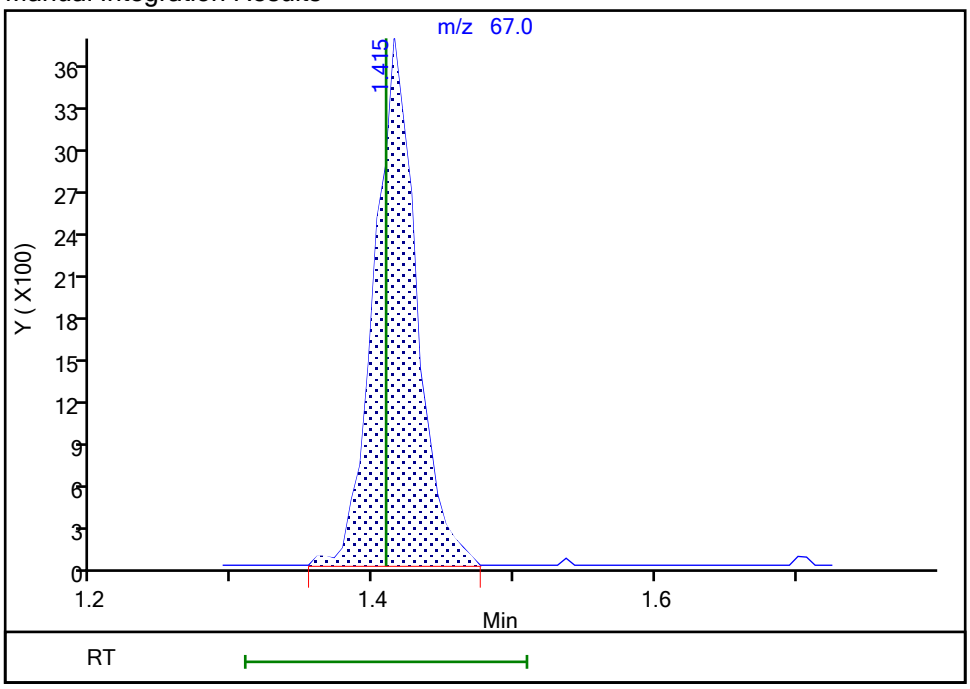
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 7837
Amount: 19.892297
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

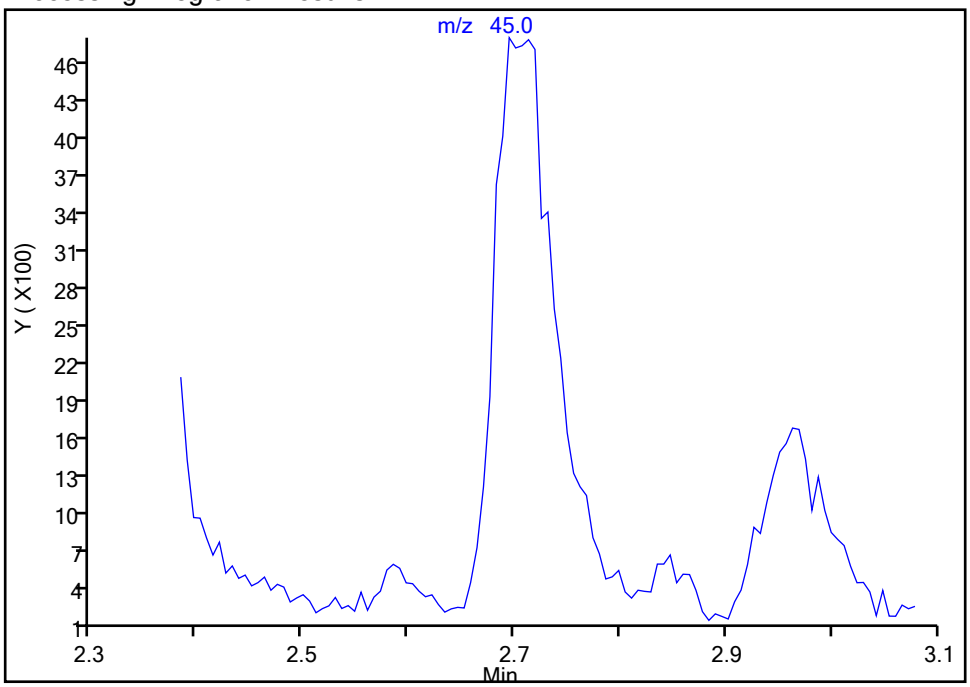
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

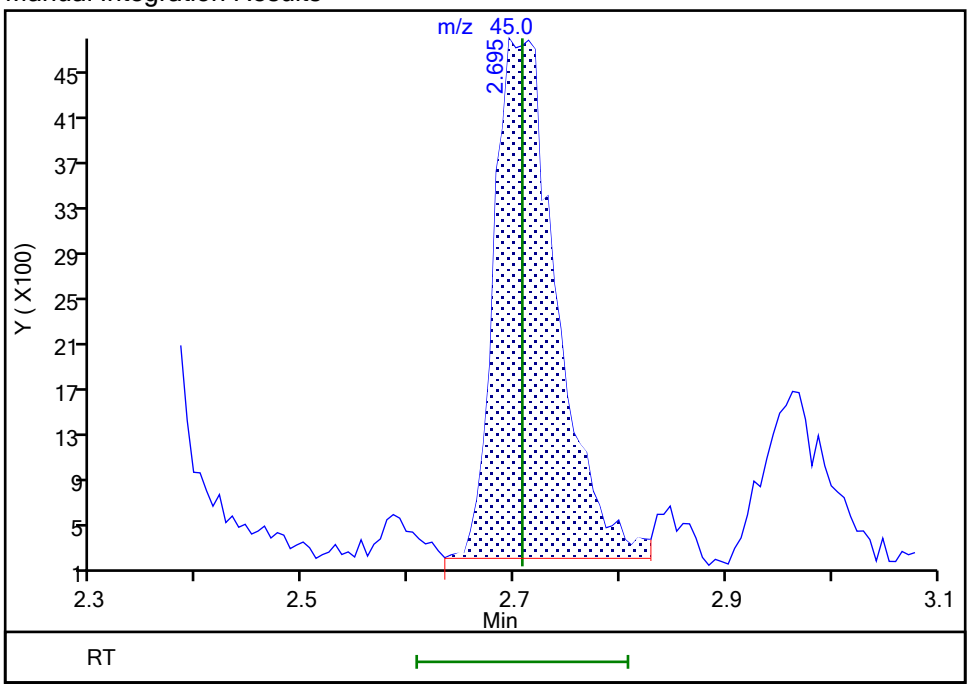
Not Detected
Expected RT: 2.71

Processing Integration Results



Manual Integration Results

RT: 2.69
Area: 18832
Amount: 213.7511
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

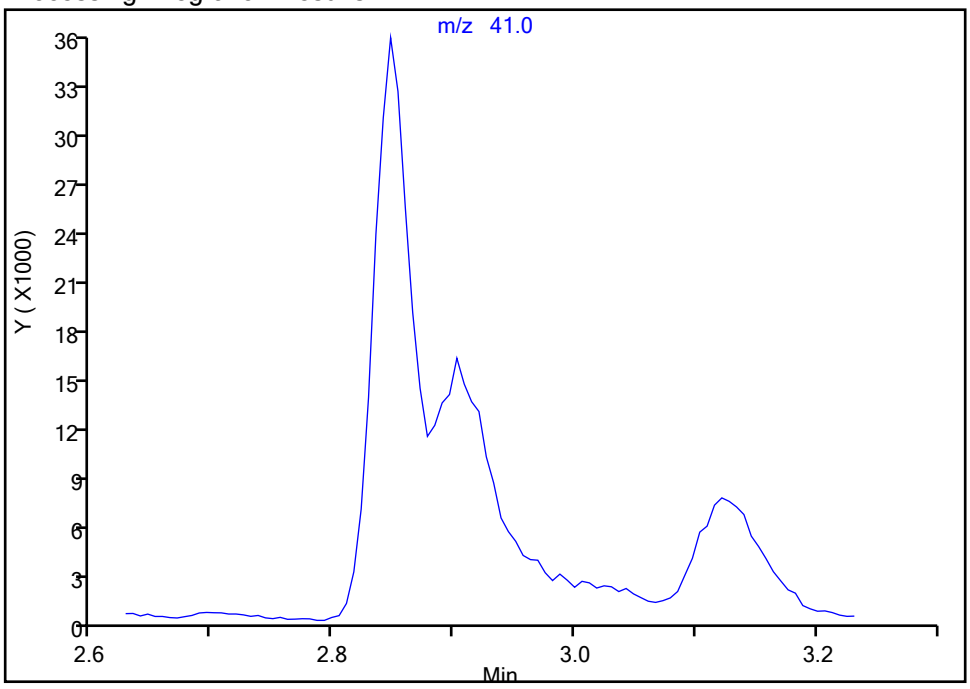
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

29 Acetonitrile, CAS: 75-05-8

Signal: 1

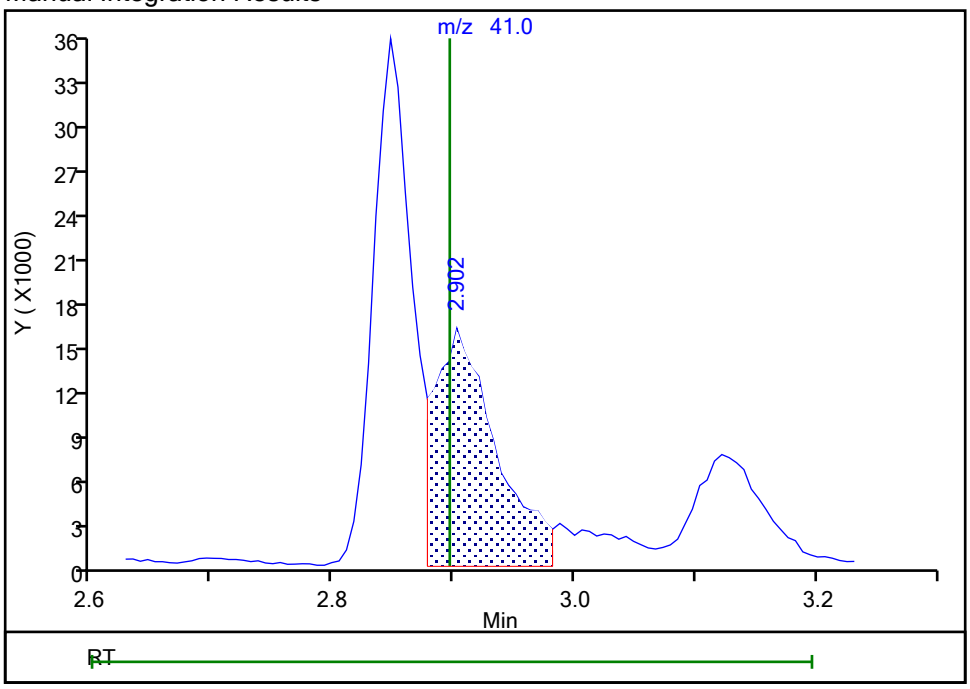
Not Detected
Expected RT: 2.90

Processing Integration Results



Manual Integration Results

RT: 2.90
Area: 58453
Amount: 209.9368
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

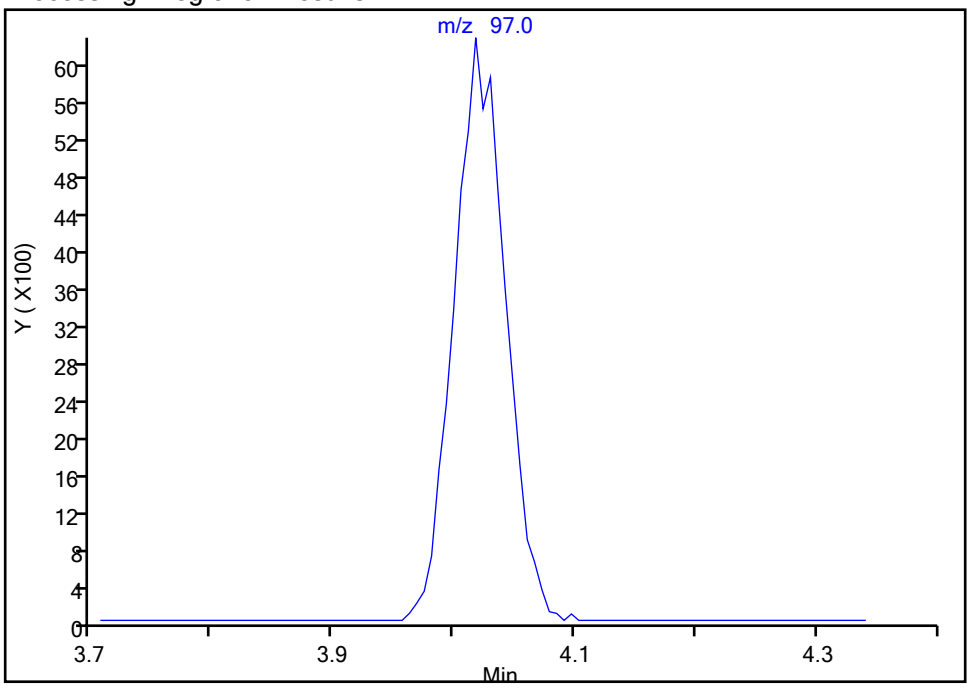
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76656.D
Injection Date: 22-Feb-2024 10:59:30 Instrument ID: CVOAMS17
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

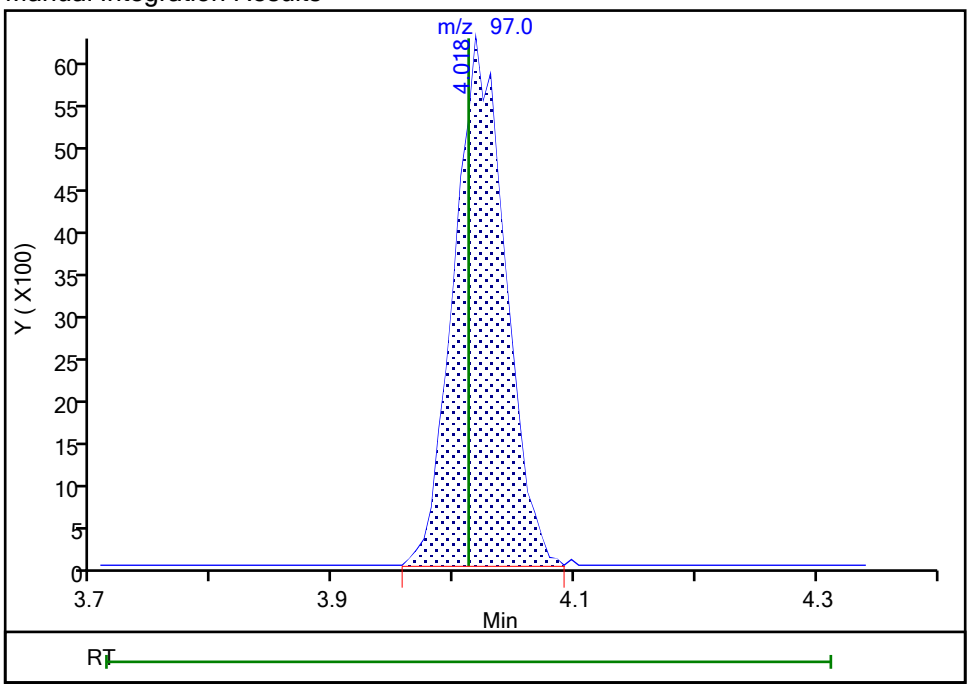
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.02
Area: 18539
Amount: 23.235816
Amount Units: ug/l



Reviewer: W9CM, 22-Feb-2024 18:21:51 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965476/1 Calibration Date: 03/22/2024 17:11

Instrument ID: CVOAMS17 Calib Start Date: 07/28/2023 03:54

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 07/28/2023 10:24

Lab File ID: TT77719.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Monochloropentafluoroethane	Ave	0.0230			5.00	20.0		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 17:11:30 ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0173705-001
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:54:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:35:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	57	21034	20.0	21.3	
2 1,1-Difluoroethane	65	1.378	1.378	0.000	97	34218	20.0	25.3	
4 Dichlorodifluoromethane	85	1.396	1.396	0.000	97	62494	20.0	18.2	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	11304	20.0	24.1	a
6 Chloromethane	50	1.561	1.561	0.000	98	64930	20.0	17.8	
7 Vinyl chloride	62	1.640	1.640	0.000	98	66470	20.0	19.6	
8 Butadiene	54	1.659	1.659	0.000	94	58092	20.0	19.9	
9 Bromomethane	94	1.921	1.921	0.000	98	48502	20.0	19.1	
10 Chloroethane	64	1.976	1.976	0.000	99	37656	20.0	19.6	
11 Dichlorofluoromethane	67	2.152	2.152	0.000	99	106761	20.0	18.7	
13 Pentane	72	2.165	2.165	0.000	96	15429	40.0	57.6	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	66	74039	20.0	19.4	
14 Ethanol	46	2.317	2.317	0.000	91	10088	800.0	1044.1	
15 Ethyl ether	74	2.341	2.341	0.000	94	34858	20.0	20.0	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	94	46472	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.408	0.000	84	62510	20.0	23.1	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.457	2.457	0.000	92	92381	20.0	22.5	
19 Acrolein	56	2.500	2.500	0.000	93	14981	40.0	31.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.524	2.524	0.000	97	54848	20.0	22.1	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	97	57721	20.0	22.2	
22 Acetone	43	2.616	2.616	0.000	88	71186	100.0	110.5	
23 Iodomethane	142	2.689	2.689	0.000	96	113768	20.0	22.7	
25 Isopropyl alcohol	45	2.701	2.701	0.000	32	27894	200.0	232.3	a
24 Carbon disulfide	76	2.719	2.719	0.000	98	207659	20.0	22.2	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	93	36281	20.0	21.8	
27 Methyl acetate	43	2.847	2.847	0.000	83	69687	40.0	40.9	
28 Cyclopentene	67	2.860	2.860	0.000	92	119507	20.0	23.8	
29 Acetonitrile	41	2.902	2.902	0.000	97	71682	200.0	223.6	
* 31 TBA-d9 (IS)	66	2.951	2.951	0.000	0	40124	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	89	68676	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.024	3.024	0.000	99	50797	200.0	235.3	
33 Methyl tert-butyl ether	73	3.110	3.110	0.000	96	170422	20.0	21.5	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	93	64486	20.0	22.3	
35 Acrylonitrile	53	3.207	3.207	0.000	94	197085	200.0	213.0	
36 Hexane	57	3.286	3.286	0.000	90	64241	20.0	20.5	
37 Isopropyl ether	45	3.494	3.494	0.000	95	170247	20.0	20.5	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	105885	20.0	23.1	
39 Vinyl acetate	86	3.536	3.536	0.000	100	13129	40.0	24.9	
40 2-Chloro-1,3-butadiene	88	3.567	3.567	0.000	89	50824	20.0	22.9	
41 Tert-butyl ethyl ether	59	3.798	3.798	0.000	90	171743	20.0	21.7	
* 42 2-Butanone-d5	46	3.987	3.987	0.000	0	235912	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.012	0.000	84	20164	20.0	21.3	a
44 cis-1,2-Dichloroethene	96	4.024	4.024	0.000	99	68031	20.0	21.8	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	98	29679	100.0	115.1	
46 Ethyl acetate	70	4.048	4.048	0.000	96	10911	40.0	39.9	
47 Methyl acrylate	55	4.097	4.097	0.000	100	42725	20.0	20.9	
48 Propionitrile	54	4.164	4.164	0.000	98	69223	200.0	183.3	
50 Tetrahydrofuran	72	4.243	4.243	0.000	85	13563	40.0	37.7	
49 Chlorobromomethane	128	4.243	4.243	0.000	83	34434	20.0	22.0	
51 Methacrylonitrile	67	4.268	4.268	0.000	90	220965	200.0	217.8	
52 Chloroform	83	4.298	4.298	0.000	99	97381	20.0	21.7	
53 Cyclohexane	84	4.432	4.432	0.000	89	80503	20.0	23.4	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	78	84175	20.0	21.9	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	142391	50.0	49.1	
56 Carbon tetrachloride	117	4.560	4.560	0.000	99	74569	20.0	22.5	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	99	75478	20.0	22.9	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	42740	500.0	521.7	
59 Isooctane	57	4.756	4.756	0.000	98	173080	20.0	20.6	
60 Benzene	78	4.780	4.780	0.000	96	230695	20.0	22.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	142770	50.0	50.0	
63 Isopropyl acetate	61	4.835	4.835	0.000	94	27862	20.0	22.0	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	176466	20.0	22.1	
64 1,2-Dichloroethane	62	4.871	4.871	0.000	97	66040	20.0	21.8	
65 n-Heptane	100	4.932	4.932	0.000	89	11583	20.0	17.7	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	559916	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	85	27996	500.0	578.6	
68 Trichloroethene	95	5.408	5.408	0.000	97	61823	20.0	23.1	
70 Ethyl acrylate	99	5.530	5.530	0.000	96	7291	20.0	20.3	
69 Methylcyclohexane	83	5.530	5.530	0.000	81	90436	20.0	22.6	
71 1,2-Dichloropropane	63	5.694	5.694	0.000	95	56203	20.0	21.3	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	26662	1000.0	1000.0	
73 Methyl methacrylate	100	5.768	5.768	0.000	85	26032	40.0	41.1	
75 1,4-Dioxane	88	5.804	5.804	0.000	85	11610	400.0	575.3	
74 Dibromomethane	93	5.816	5.816	0.000	94	34051	20.0	21.2	
76 n-Propyl acetate	43	5.828	5.828	0.000	98	57814	20.0	19.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	67132	20.0	20.4	
78 2-Nitropropane	41	6.298	6.298	0.000	81	18762	40.0	37.7	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	84	31080	20.0	20.1	
80 Epichlorohydrin	57	6.402	6.402	0.000	99	89968	400.0	421.5	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	86874	20.0	22.1	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	94	94166	100.0	103.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	100	529442	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.780	6.780	0.000	93	231695	20.0	20.4	
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	93	70556	20.0	20.7	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	59877	20.0	20.8	
87 1,1,2-Trichloroethane	83	7.340	7.340	0.000	96	40420	20.0	20.9	
88 Tetrachloroethene	166	7.383	7.383	0.000	96	63380	20.0	22.8	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	90	79031	20.0	22.3	
90 2-Hexanone	43	7.615	7.615	0.000	94	135656	100.0	110.8	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	66119	20.0	20.8	
92 Chlorodibromomethane	129	7.773	7.773	0.000	97	52671	20.0	21.0	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	47945	20.0	21.3	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	415910	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	157757	20.0	21.9	
96 Ethylbenzene	106	8.615	8.615	0.000	98	84953	20.0	22.5	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	95	57505	20.0	21.8	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	102503	20.0	22.2	
100 n-Butyl acrylate	73	9.285	9.285	0.000	98	36664	20.0	20.2	
99 o-Xylene	106	9.291	9.291	0.000	95	106259	20.0	22.5	
101 Styrene	104	9.322	9.322	0.000	96	158455	20.0	22.4	
103 Amyl acetate (mixed isomers)	43	9.559	9.559	0.000	93	80701	20.0	19.8	
102 Bromoform	173	9.559	9.559	0.000	66	38742	20.0	21.7	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	263704	20.0	22.8	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	193205	50.0	55.8	
106 Bromobenzene	156	10.078	10.078	0.000	94	74706	20.0	22.3	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	59150	20.0	19.3	
108 N-Propylbenzene	91	10.163	10.163	0.000	99	319352	20.0	22.0	
109 1,2,3-Trichloropropane	110	10.181	10.181	0.000	98	18356	20.0	21.5	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	93	12814	20.0	18.4	a
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	212426	20.0	21.4	
112 4-Ethyltoluene	105	10.291	10.291	0.000	98	265403	20.0	21.5	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	226645	20.0	22.1	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	196805	20.0	21.5	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	68378	20.0	17.0	
116 tert-Butylbenzene	119	10.669	10.669	0.000	96	190914	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	240474	20.0	22.2	
118 sec-Butylbenzene	105	10.882	10.882	0.000	99	296157	20.0	21.7	
119 1,3-Dichlorobenzene	146	11.010	11.010	0.000	98	141141	20.0	21.8	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	261476	20.0	22.3	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	249928	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	142697	20.0	21.8	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	252675	20.0	21.5	
124 Benzyl chloride	91	11.242	11.242	0.000	99	108952	20.0	18.1	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	243641	20.0	21.6	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	166227	20.0	21.5	
127 n-Butylbenzene	92	11.388	11.388	0.000	97	137209	20.0	22.1	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	141535	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	255772	20.0	21.3	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	94	15855	20.0	20.8	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	135728	20.0	23.5	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	129286	20.0	23.5	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	98	65460	20.0	28.6	
134 Naphthalene	128	12.925	12.925	0.000	99	270615	20.0	21.4	
135 1,2,3-Trichlorobenzene	180	13.101	13.101	0.000	95	126996	20.0	23.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	44.1	
S 137 Xylenes, Total	100				0		40.0	44.7	
S 139 1,3-Dichloropropene, Total	1				0		40.0	42.8	
S 140 Total BTEX	1				0		100.0	110.2	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 24-Mar-2024 06:54:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D

Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

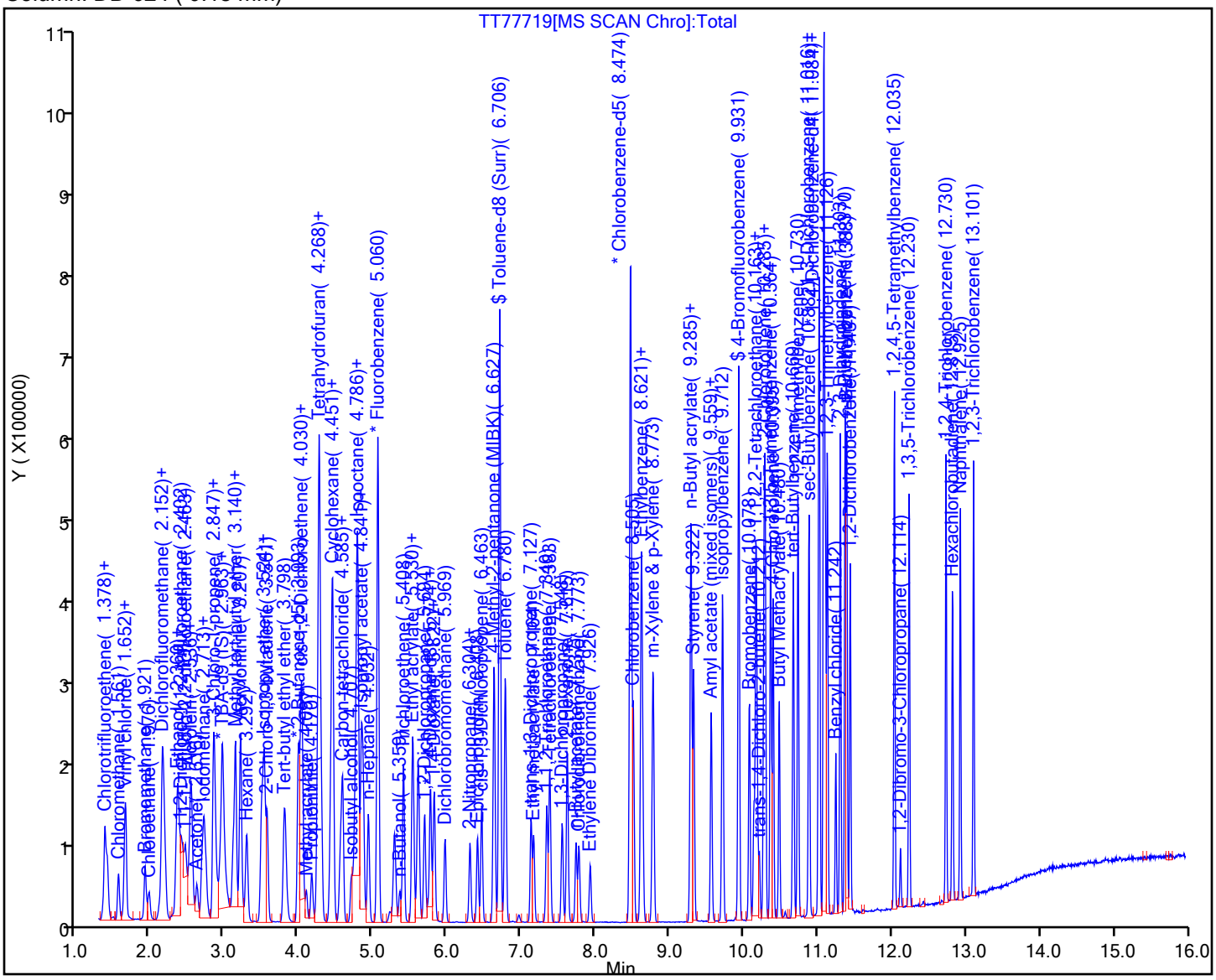
Client ID:

Operator ID: ALS Bottle#: 16 Worklist Smp#: 1

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965476/1 Calibration Date: 03/22/2024 17:11

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77719.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.0883	0.0939		21.3	20.0	6.3	20.0
1,1-Difluoroethane	Ave	0.1205	0.1528		25.3	20.0	26.7*	20.0
Dichlorodifluoromethane	Ave	0.3066	0.2790	0.1000	18.2	20.0	-9.0	20.0
Chlorodifluoromethane	Ave	0.0418	0.0505		24.1	20.0	20.7*	20.0
Chloromethane	Ave	0.3264	0.2899	0.1000	17.8	20.0	-11.2	20.0
Vinyl chloride	Ave	0.3024	0.2968	0.1000	19.6	20.0	-1.9	20.0
Butadiene	Ave	0.2608	0.2594		19.9	20.0	-0.5	20.0
Bromomethane	Ave	0.2273	0.2166	0.1000	19.1	20.0	-4.7	50.0
Chloroethane	Ave	0.1719	0.1681	0.1000	19.6	20.0	-2.2	50.0
Dichlorofluoromethane	Ave	0.5087	0.4767		18.7	20.0	-6.3	20.0
Pentane	QuaF		0.0344		57.6	40.0	44.1*	20.0
Trichlorofluoromethane	Ave	0.3411	0.3306	0.1000	19.4	20.0	-3.1	20.0
Ethanol	Ave	0.2408	0.3143		1040	800	30.5	50.0
Ethyl ether	Ave	0.1558	0.1556		20.0	20.0	-0.1	20.0
2-Methyl-1,3-butadiene	Ave	0.1730	0.2075		24.0	20.0	20.0	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2414	0.2791		23.1	20.0	15.6	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3672	0.4125		22.5	20.0	12.3	20.0
Acrolein	Ave	0.0421	0.0334		31.8	40.0	-20.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2211	0.2449	0.1000	22.1	20.0	10.7	20.0
1,1-Dichloroethene	Ave	0.2323	0.2577	0.1000	22.2	20.0	10.9	20.0
Acetone	QuaF		0.7544	0.0500	110	100	10.5	50.0
Iodomethane	Ave	0.4477	0.5080		22.7	20.0	13.5	20.0
Isopropyl alcohol	Ave	2.993	3.476		232	200	16.2	50.0
Carbon disulfide	Ave	0.8348	0.9272	0.1000	22.2	20.0	11.1	50.0
3-Chloro-1-propene	Ave	0.1489	0.1620		21.8	20.0	8.8	20.0
Methyl acetate	Ave	0.1520	0.1556	0.1000	40.9	40.0	2.3	20.0
Cyclopentene	Ave	0.4482	0.5336		23.8	20.0	19.1	20.0
Acetonitrile	Ave	0.3397	0.3798		224	200	11.8	20.0
Methylene Chloride	Ave	0.2699	0.3066	0.1000	22.7	20.0	13.6	20.0
2-Methyl-2-propanol	Ave	5.379	6.330		235	200	17.7	50.0
Methyl tert-butyl ether	Ave	0.7087	0.7609	0.1000	21.5	20.0	7.4	20.0
trans-1,2-Dichloroethene	Ave	0.2581	0.2879	0.1000	22.3	20.0	11.5	20.0
Acrylonitrile	Ave	0.0826	0.0880		213	200	6.5	20.0
Hexane	Ave	0.2804	0.2868		20.5	20.0	2.3	20.0
Isopropyl ether	Ave	0.7434	0.7601		20.5	20.0	2.3	20.0
1,1-Dichloroethane	Ave	0.4097	0.4728	0.2000	23.1	20.0	15.4	20.0
Vinyl acetate	Ave	0.5581	0.3478		24.9	40.0	-37.7*	20.0
2-Chloro-1,3-butadiene	Ave	0.1982	0.2269		22.9	20.0	14.5	20.0
Tert-butyl ethyl ether	Ave	0.7063	0.7668		21.7	20.0	8.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965476/1 Calibration Date: 03/22/2024 17:11

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77719.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,2-Dichloropropane	Ave	0.0847	0.0900		21.3	20.0	6.4	20.0
cis-1,2-Dichloroethene	Ave	0.2790	0.3038	0.1000	21.8	20.0	8.9	20.0
2-Butanone (MEK)	Ave	0.2731	0.3145	0.0500	115	100	15.1	50.0
Ethyl acetate	Ave	0.2901	0.2891		39.9	40.0	-0.3	20.0
Methyl acrylate	Ave	0.1829	0.1908		20.9	20.0	4.3	20.0
Propionitrile	Ave	9.414	8.626		183	200	-8.4	20.0
Chlorobromomethane	Ave	0.1400	0.1537		22.0	20.0	9.8	20.0
Tetrahydrofuran	Qua2		0.3593		37.7	40.0	-5.8	20.0
Methacrylonitrile	Ave	0.0906	0.0987		218	200	8.9	20.0
Chloroform	Ave	0.4015	0.4348	0.2000	21.7	20.0	8.3	20.0
Cyclohexane	Ave	0.3071	0.3594	0.1000	23.4	20.0	17.0	50.0
1,1,1-Trichloroethane	Ave	0.3428	0.3758	0.1000	21.9	20.0	9.6	20.0
Carbon tetrachloride	Ave	0.2958	0.3329	0.1000	22.5	20.0	12.6	20.0
1,1-Dichloropropene	Ave	0.2938	0.3370		22.9	20.0	14.7	20.0
Isobutyl alcohol	QuaF		2.130		522	500	4.3	20.0
Isooctane	Ave	0.7511	0.7728		20.6	20.0	2.9	20.0
Benzene	Ave	1.229	1.387	0.5000	22.6	20.0	12.9	20.0
Isopropyl acetate	Ave	0.1129	0.1244		22.0	20.0	10.2	20.0
Tert-amyl methyl ether	Ave	0.7133	0.7879		22.1	20.0	10.5	20.0
1,2-Dichloroethane	Ave	0.2711	0.2949	0.1000	21.8	20.0	8.8	20.0
n-Heptane	Qua2		0.0517		17.7	20.0	-11.6	20.0
n-Butanol	QuaF		1.395		579	500	15.7	50.0
Trichloroethene	Ave	0.2392	0.2760	0.2000	23.1	20.0	15.4	20.0
Ethyl acrylate	QuaF		0.0326		20.3	20.0	1.7	20.0
Methylcyclohexane	Ave	0.3580	0.4038	0.1000	22.6	20.0	12.8	50.0
1,2-Dichloropropane	Ave	0.2355	0.2509	0.1000	21.3	20.0	6.5	20.0
Methyl methacrylate	Ave	0.0565	0.0581		41.1	40.0	2.8	20.0
1,4-Dioxane	Ave	0.7569	1.089		575	400	43.8	50.0
Dibromomethane	Ave	0.1435	0.1520		21.2	20.0	6.0	20.0
n-Propyl acetate	Ave	0.2612	0.2581		19.8	20.0	-1.2	20.0
Dichlorobromomethane	Ave	0.2942	0.2997	0.2000	20.4	20.0	1.9	20.0
2-Nitropropane	Lin2		0.0419		37.7	40.0	-5.7	20.0
2-Chloroethyl vinyl ether	Ave	0.1381	0.1384		20.1	20.0	0.2	20.0
Epichlorohydrin	Ave	0.2262	0.2384		422	400	5.4	20.0
cis-1,3-Dichloropropene	Ave	0.4735	0.5222	0.2000	22.1	20.0	10.3	50.0
4-Methyl-2-pentanone (MIBK)	Ave	0.9689	0.998	0.0500	103	100	3.0	50.0
Toluene	Ave	1.362	1.393	0.4000	20.4	20.0	2.2	20.0
trans-1,3-Dichloropropene	Ave	0.4092	0.4241	0.1000	20.7	20.0	3.6	50.0
Ethyl methacrylate	Ave	0.3462	0.3599		20.8	20.0	4.0	20.0
1,1,2-Trichloroethane	Ave	0.2322	0.2430	0.1000	20.9	20.0	4.6	20.0
Tetrachloroethene	Ave	0.3348	0.3810	0.2000	22.8	20.0	13.8	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965476/1 Calibration Date: 03/22/2024 17:11

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77719.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	0.4257	0.4750		22.3	20.0	11.6	20.0
2-Hexanone	Ave	1.297	1.438	0.0500	111	100	10.8	50.0
n-Butyl acetate	Ave	0.3824	0.3974		20.8	20.0	3.9	20.0
Chlorodibromomethane	Ave	0.3018	0.3166	0.1000	21.0	20.0	4.9	50.0
Ethylene Dibromide	Ave	0.2707	0.2882	0.1000	21.3	20.0	6.5	20.0
Chlorobenzene	Ave	0.8646	0.9483	0.5000	21.9	20.0	9.7	20.0
Ethylbenzene	Ave	0.4542	0.5106	0.1000	22.5	20.0	12.4	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3177	0.3457		21.8	20.0	8.8	20.0
m-Xylene & p-Xylene	Ave	0.5554	0.6161	0.1000	22.2	20.0	10.9	20.0
n-Butyl acrylate	Ave	0.2179	0.2204		20.2	20.0	1.1	20.0
o-Xylene	Ave	0.5671	0.6387	0.3000	22.5	20.0	12.6	20.0
Styrene	Ave	0.8500	0.9525	0.3000	22.4	20.0	12.1	20.0
Amyl acetate (mixed isomers)	Ave	0.8165	0.8072		19.8	20.0	-1.1	20.0
Bromoform	Ave	0.2144	0.2329	0.1000	21.7	20.0	8.6	20.0
Isopropylbenzene	Ave	1.389	1.585	0.1000	22.8	20.0	14.1	20.0
Bromobenzene	Ave	0.6693	0.7473		22.3	20.0	11.7	20.0
1,1,2,2-Tetrachloroethane	Ave	0.6139	0.5917	0.3000	19.3	20.0	-3.6	20.0
N-Propylbenzene	Ave	2.902	3.194		22.0	20.0	10.1	20.0
1,2,3-Trichloropropane	Ave	0.1708	0.1836		21.5	20.0	7.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1397	0.1282		18.4	20.0	-8.2	20.0
2-Chlorotoluene	Ave	1.990	2.125		21.4	20.0	6.8	20.0
4-Ethyltoluene	Ave	2.465	2.655		21.5	20.0	7.7	20.0
1,3,5-Trimethylbenzene	Ave	2.048	2.267		22.1	20.0	10.7	20.0
4-Chlorotoluene	Ave	1.829	1.969		21.5	20.0	7.6	20.0
Butyl Methacrylate	QuaF		0.6840		17.0	20.0	-14.9	20.0
tert-Butylbenzene	Ave	1.802	1.910		21.2	20.0	6.0	20.0
1,2,4-Trimethylbenzene	Ave	2.166	2.405		22.2	20.0	11.1	20.0
sec-Butylbenzene	Ave	2.730	2.962		21.7	20.0	8.5	20.0
1,3-Dichlorobenzene	Ave	1.296	1.412	0.6000	21.8	20.0	8.9	20.0
4-Isopropyltoluene	Ave	2.344	2.616		22.3	20.0	11.6	20.0
1,4-Dichlorobenzene	Ave	1.308	1.427	0.5000	21.8	20.0	9.1	20.0
1,2,3-Trimethylbenzene	Ave	2.352	2.527		21.5	20.0	7.5	20.0
Benzyl chloride	Ave	1.202	1.090		18.1	20.0	-9.3	50.0
Indan	Ave	2.260	2.437		21.6	20.0	7.9	20.0
p-Diethylbenzene	Ave	1.549	1.663		21.5	20.0	7.3	20.0
n-Butylbenzene	Ave	1.240	1.372		22.1	20.0	10.7	20.0
1,2-Dichlorobenzene	Ave	1.302	1.416	0.4000	21.7	20.0	8.7	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.406	2.558		21.3	20.0	6.3	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1528	0.1586	0.0500	20.8	20.0	3.8	50.0
1,3,5-Trichlorobenzene	Ave	1.155	1.358		23.5	20.0	17.5	20.0
1,2,4-Trichlorobenzene	Ave	1.103	1.293	0.2000	23.5	20.0	17.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965476/1 Calibration Date: 03/22/2024 17:11

Instrument ID: CVOAMS17 Calib Start Date: 02/22/2024 07:23

GC Column: DB-624 ID: 0.18(mm) Calib End Date: 02/22/2024 09:41

Lab File ID: TT77719.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.4584	0.6548		28.6	20.0	42.8*	20.0
Naphthalene	Ave	2.524	2.707		21.4	20.0	7.2	50.0
1,2,3-Trichlorobenzene	Ave	1.085	1.270		23.4	20.0	17.1	20.0
Dibromofluoromethane (Surr)	Ave	0.2588	0.2543		49.1	50.0	-1.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2551	0.2550		50.0	50.0	-0.0	20.0
Toluene-d8 (Surr)	Ave	1.267	1.273		50.2	50.0	0.5	20.0
4-Bromofluorobenzene	Ave	0.4159	0.4645		55.8	50.0	11.7	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 17:11:30 ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0173705-001
Operator ID: Instrument ID: CVOAMS17
Sublist: chrom-8260W_17*sub11

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:54:40 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:35:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	57	21034	20.0	21.3	
2 1,1-Difluoroethane	65	1.378	1.378	0.000	97	34218	20.0	25.3	
4 Dichlorodifluoromethane	85	1.396	1.396	0.000	97	62494	20.0	18.2	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	11304	20.0	24.1	a
6 Chloromethane	50	1.561	1.561	0.000	98	64930	20.0	17.8	
7 Vinyl chloride	62	1.640	1.640	0.000	98	66470	20.0	19.6	
8 Butadiene	54	1.659	1.659	0.000	94	58092	20.0	19.9	
9 Bromomethane	94	1.921	1.921	0.000	98	48502	20.0	19.1	
10 Chloroethane	64	1.976	1.976	0.000	99	37656	20.0	19.6	
11 Dichlorofluoromethane	67	2.152	2.152	0.000	99	106761	20.0	18.7	
13 Pentane	72	2.165	2.165	0.000	96	15429	40.0	57.6	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	66	74039	20.0	19.4	
14 Ethanol	46	2.317	2.317	0.000	91	10088	800.0	1044.1	
15 Ethyl ether	74	2.341	2.341	0.000	94	34858	20.0	20.0	
16 2-Methyl-1,3-butadiene	53	2.360	2.360	0.000	94	46472	20.0	24.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.408	2.408	0.000	84	62510	20.0	23.1	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.457	2.457	0.000	92	92381	20.0	22.5	
19 Acrolein	56	2.500	2.500	0.000	93	14981	40.0	31.8	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.524	2.524	0.000	97	54848	20.0	22.1	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	97	57721	20.0	22.2	
22 Acetone	43	2.616	2.616	0.000	88	71186	100.0	110.5	
23 Iodomethane	142	2.689	2.689	0.000	96	113768	20.0	22.7	
25 Isopropyl alcohol	45	2.701	2.701	0.000	32	27894	200.0	232.3	a
24 Carbon disulfide	76	2.719	2.719	0.000	98	207659	20.0	22.2	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	93	36281	20.0	21.8	
27 Methyl acetate	43	2.847	2.847	0.000	83	69687	40.0	40.9	
28 Cyclopentene	67	2.860	2.860	0.000	92	119507	20.0	23.8	
29 Acetonitrile	41	2.902	2.902	0.000	97	71682	200.0	223.6	
* 31 TBA-d9 (IS)	66	2.951	2.951	0.000	0	40124	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	89	68676	20.0	22.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.024	3.024	0.000	99	50797	200.0	235.3	
33 Methyl tert-butyl ether	73	3.110	3.110	0.000	96	170422	20.0	21.5	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	93	64486	20.0	22.3	
35 Acrylonitrile	53	3.207	3.207	0.000	94	197085	200.0	213.0	
36 Hexane	57	3.286	3.286	0.000	90	64241	20.0	20.5	
37 Isopropyl ether	45	3.494	3.494	0.000	95	170247	20.0	20.5	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	105885	20.0	23.1	
39 Vinyl acetate	86	3.536	3.536	0.000	100	13129	40.0	24.9	
40 2-Chloro-1,3-butadiene	88	3.567	3.567	0.000	89	50824	20.0	22.9	
41 Tert-butyl ethyl ether	59	3.798	3.798	0.000	90	171743	20.0	21.7	
* 42 2-Butanone-d5	46	3.987	3.987	0.000	0	235912	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.012	0.000	84	20164	20.0	21.3	a
44 cis-1,2-Dichloroethene	96	4.024	4.024	0.000	99	68031	20.0	21.8	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	98	29679	100.0	115.1	
46 Ethyl acetate	70	4.048	4.048	0.000	96	10911	40.0	39.9	
47 Methyl acrylate	55	4.097	4.097	0.000	100	42725	20.0	20.9	
48 Propionitrile	54	4.164	4.164	0.000	98	69223	200.0	183.3	
50 Tetrahydrofuran	72	4.243	4.243	0.000	85	13563	40.0	37.7	
49 Chlorobromomethane	128	4.243	4.243	0.000	83	34434	20.0	22.0	
51 Methacrylonitrile	67	4.268	4.268	0.000	90	220965	200.0	217.8	
52 Chloroform	83	4.298	4.298	0.000	99	97381	20.0	21.7	
53 Cyclohexane	84	4.432	4.432	0.000	89	80503	20.0	23.4	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	78	84175	20.0	21.9	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	142391	50.0	49.1	
56 Carbon tetrachloride	117	4.560	4.560	0.000	99	74569	20.0	22.5	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	99	75478	20.0	22.9	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	42740	500.0	521.7	
59 Isooctane	57	4.756	4.756	0.000	98	173080	20.0	20.6	
60 Benzene	78	4.780	4.780	0.000	96	230695	20.0	22.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	142770	50.0	50.0	
63 Isopropyl acetate	61	4.835	4.835	0.000	94	27862	20.0	22.0	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	92	176466	20.0	22.1	
64 1,2-Dichloroethane	62	4.871	4.871	0.000	97	66040	20.0	21.8	
65 n-Heptane	100	4.932	4.932	0.000	89	11583	20.0	17.7	
* 66 Fluorobenzene	96	5.060	5.060	0.000	99	559916	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	85	27996	500.0	578.6	
68 Trichloroethene	95	5.408	5.408	0.000	97	61823	20.0	23.1	
70 Ethyl acrylate	99	5.530	5.530	0.000	96	7291	20.0	20.3	
69 Methylcyclohexane	83	5.530	5.530	0.000	81	90436	20.0	22.6	
71 1,2-Dichloropropane	63	5.694	5.694	0.000	95	56203	20.0	21.3	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	26662	1000.0	1000.0	
73 Methyl methacrylate	100	5.768	5.768	0.000	85	26032	40.0	41.1	
75 1,4-Dioxane	88	5.804	5.804	0.000	85	11610	400.0	575.3	
74 Dibromomethane	93	5.816	5.816	0.000	94	34051	20.0	21.2	
76 n-Propyl acetate	43	5.828	5.828	0.000	98	57814	20.0	19.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	67132	20.0	20.4	
78 2-Nitropropane	41	6.298	6.298	0.000	81	18762	40.0	37.7	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	84	31080	20.0	20.1	
80 Epichlorohydrin	57	6.402	6.402	0.000	99	89968	400.0	421.5	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.000	89	86874	20.0	22.1	
82 4-Methyl-2-pentanone (MIBK)	58	6.627	6.627	0.000	94	94166	100.0	103.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	100	529442	50.0	50.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.780	6.780	0.000	93	231695	20.0	20.4	
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	93	70556	20.0	20.7	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	59877	20.0	20.8	
87 1,1,2-Trichloroethane	83	7.340	7.340	0.000	96	40420	20.0	20.9	
88 Tetrachloroethene	166	7.383	7.383	0.000	96	63380	20.0	22.8	
89 1,3-Dichloropropane	76	7.548	7.548	0.000	90	79031	20.0	22.3	
90 2-Hexanone	43	7.615	7.615	0.000	94	135656	100.0	110.8	
91 n-Butyl acetate	43	7.737	7.737	0.000	98	66119	20.0	20.8	
92 Chlorodibromomethane	129	7.773	7.773	0.000	97	52671	20.0	21.0	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	47945	20.0	21.3	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	415910	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	157757	20.0	21.9	
96 Ethylbenzene	106	8.615	8.615	0.000	98	84953	20.0	22.5	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	95	57505	20.0	21.8	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	102503	20.0	22.2	
100 n-Butyl acrylate	73	9.285	9.285	0.000	98	36664	20.0	20.2	
99 o-Xylene	106	9.291	9.291	0.000	95	106259	20.0	22.5	
101 Styrene	104	9.322	9.322	0.000	96	158455	20.0	22.4	
103 Amyl acetate (mixed isomers)	43	9.559	9.559	0.000	93	80701	20.0	19.8	
102 Bromoform	173	9.559	9.559	0.000	66	38742	20.0	21.7	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	263704	20.0	22.8	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	193205	50.0	55.8	
106 Bromobenzene	156	10.078	10.078	0.000	94	74706	20.0	22.3	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	59150	20.0	19.3	
108 N-Propylbenzene	91	10.163	10.163	0.000	99	319352	20.0	22.0	
109 1,2,3-Trichloropropane	110	10.181	10.181	0.000	98	18356	20.0	21.5	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	93	12814	20.0	18.4	a
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	212426	20.0	21.4	
112 4-Ethyltoluene	105	10.291	10.291	0.000	98	265403	20.0	21.5	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	226645	20.0	22.1	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	196805	20.0	21.5	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	68378	20.0	17.0	
116 tert-Butylbenzene	119	10.669	10.669	0.000	96	190914	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	240474	20.0	22.2	
118 sec-Butylbenzene	105	10.882	10.882	0.000	99	296157	20.0	21.7	
119 1,3-Dichlorobenzene	146	11.010	11.010	0.000	98	141141	20.0	21.8	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	261476	20.0	22.3	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	249928	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	142697	20.0	21.8	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	252675	20.0	21.5	
124 Benzyl chloride	91	11.242	11.242	0.000	99	108952	20.0	18.1	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	243641	20.0	21.6	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	166227	20.0	21.5	
127 n-Butylbenzene	92	11.388	11.388	0.000	97	137209	20.0	22.1	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	141535	20.0	21.7	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	255772	20.0	21.3	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	94	15855	20.0	20.8	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	135728	20.0	23.5	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	129286	20.0	23.5	
133 Hexachlorobutadiene	225	12.821	12.821	0.000	98	65460	20.0	28.6	
134 Naphthalene	128	12.925	12.925	0.000	99	270615	20.0	21.4	
135 1,2,3-Trichlorobenzene	180	13.101	13.101	0.000	95	126996	20.0	23.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	44.1	
S 137 Xylenes, Total	100				0		40.0	44.7	
S 139 1,3-Dichloropropene, Total	1				0		40.0	42.8	
S 140 Total BTEX	1				0		100.0	110.2	

QC Flag Legend

Processing Flags
Review Flags
a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 24-Mar-2024 06:54:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D

Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17

Lims ID: CCVIS

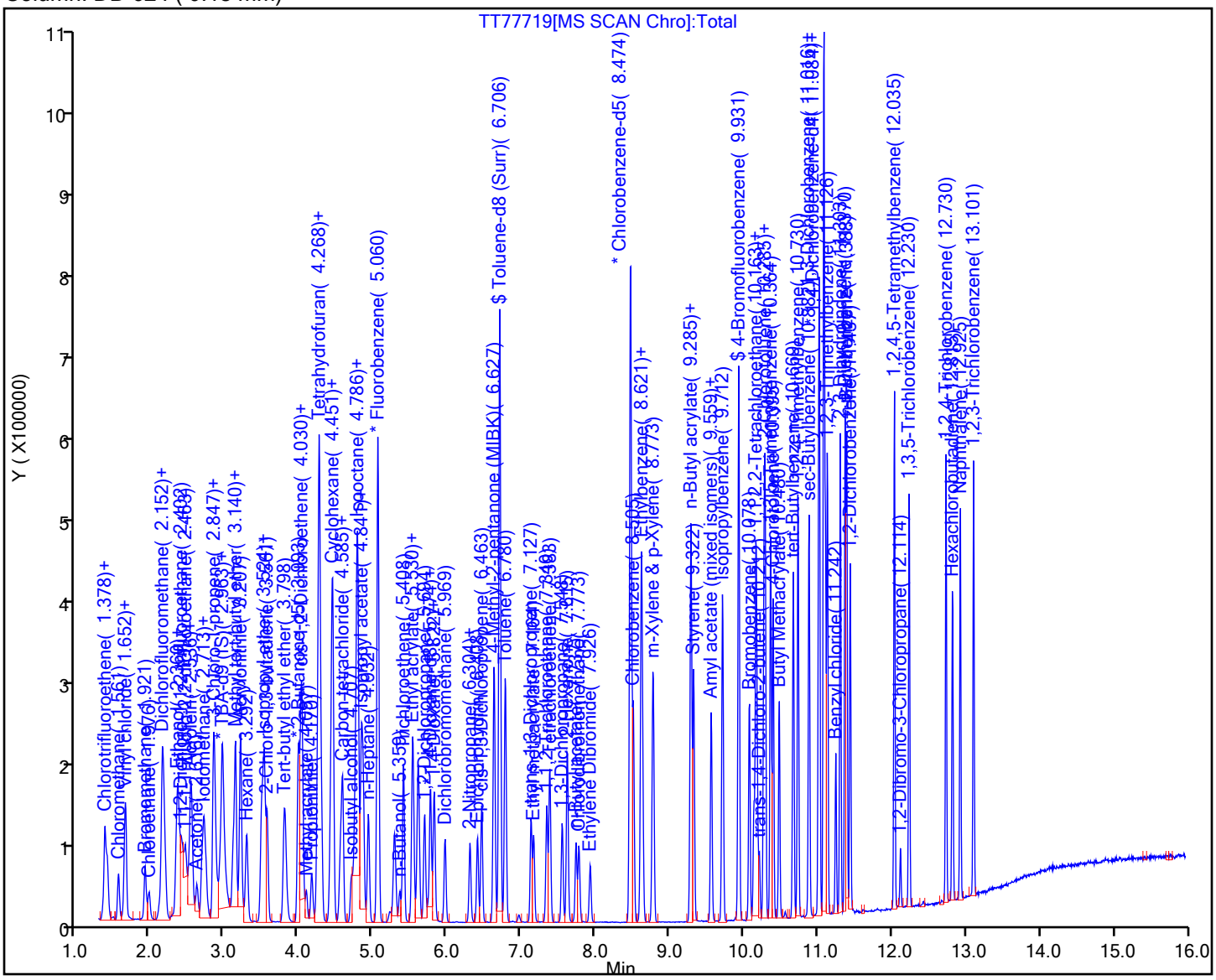
Client ID:

Operator ID: ALS Bottle#: 16 Worklist Smp#: 1

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

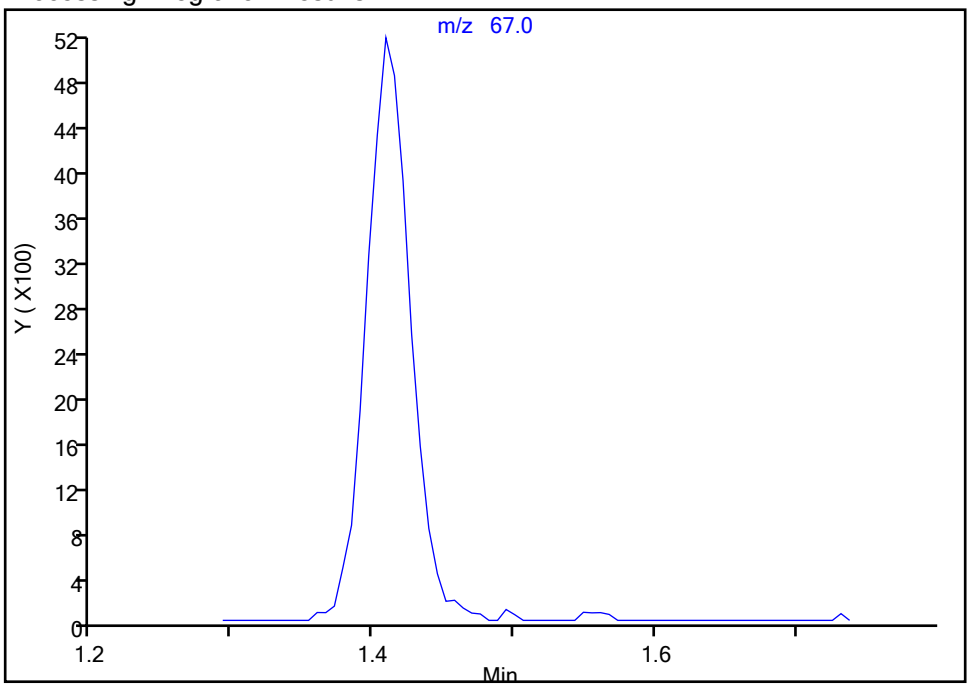
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

5 Chlorodifluoromethane, CAS: 75-45-6

Signal: 1

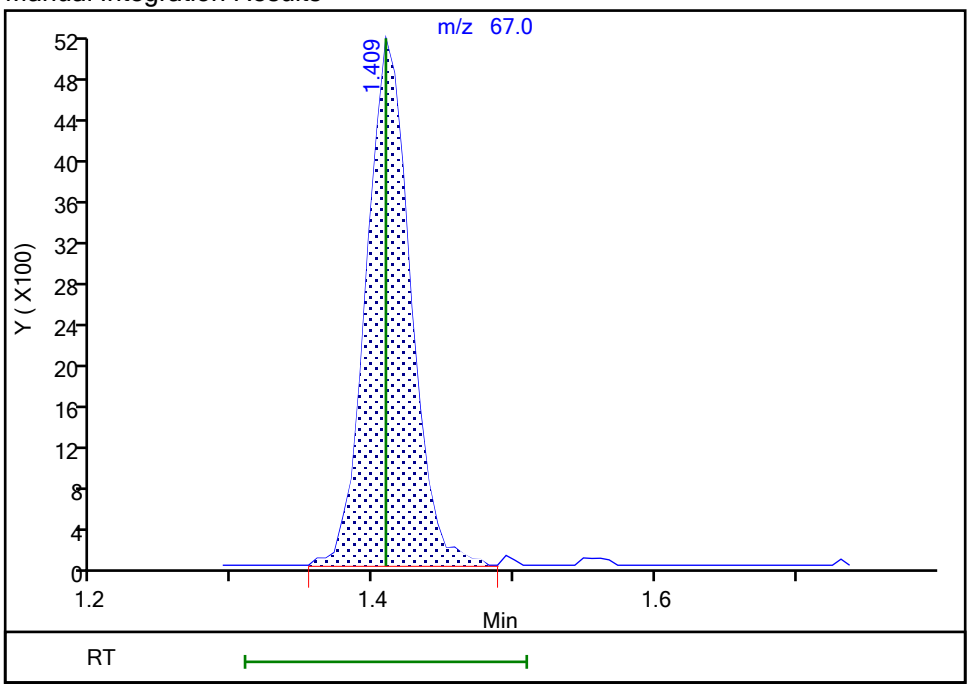
Not Detected
Expected RT: 1.41

Processing Integration Results



Manual Integration Results

RT: 1.41
Area: 11304
Amount: 24.149475
Amount Units: ug/l



Reviewer: FK2C, 24-Mar-2024 06:34:59 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

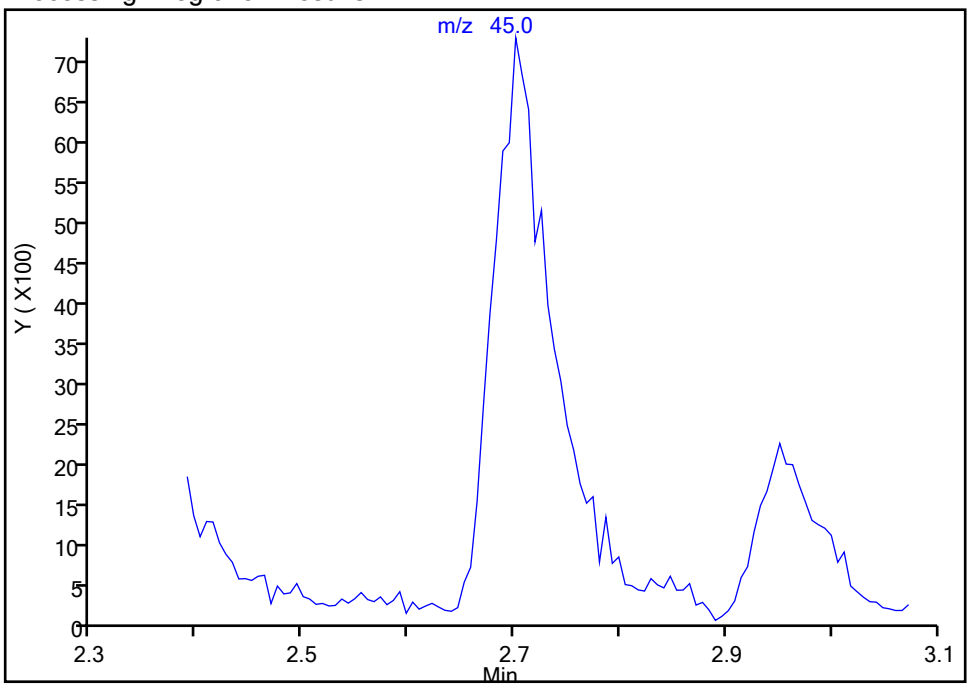
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

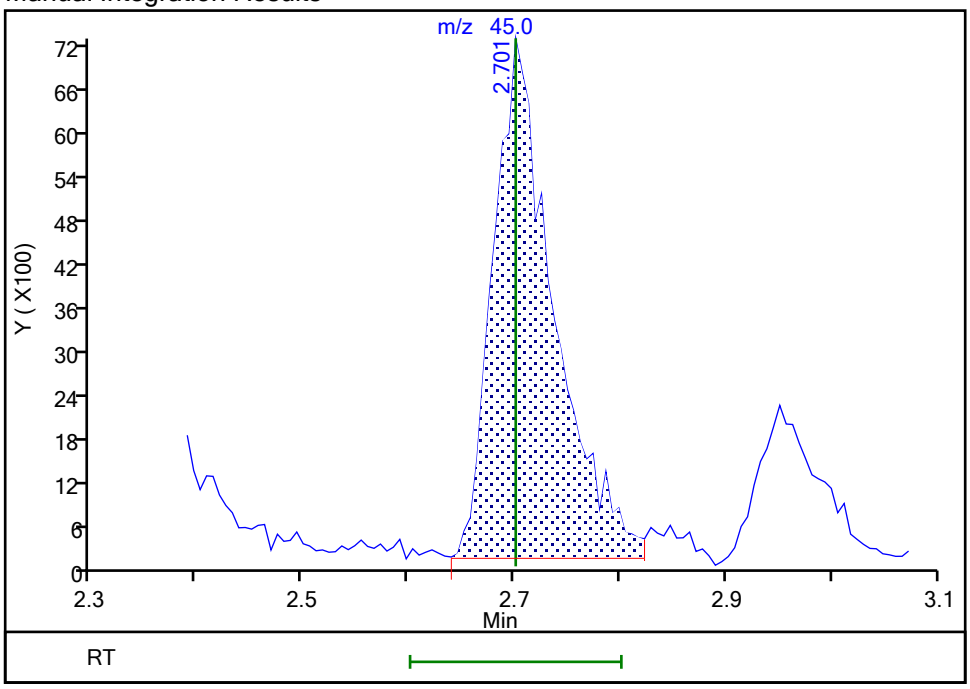
Not Detected
Expected RT: 2.70

Processing Integration Results



Manual Integration Results

RT: 2.70
Area: 27894
Amount: 232.3038
Amount Units: ug/l



Reviewer: FK2C, 24-Mar-2024 06:34:55 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

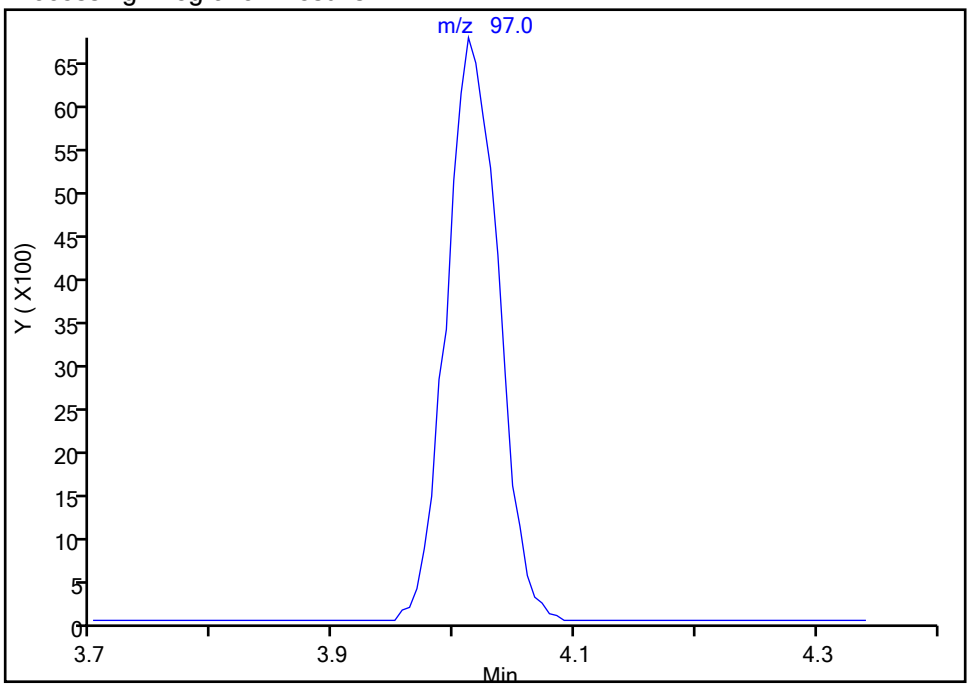
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

43 2,2-Dichloropropane, CAS: 594-20-7

Signal: 1

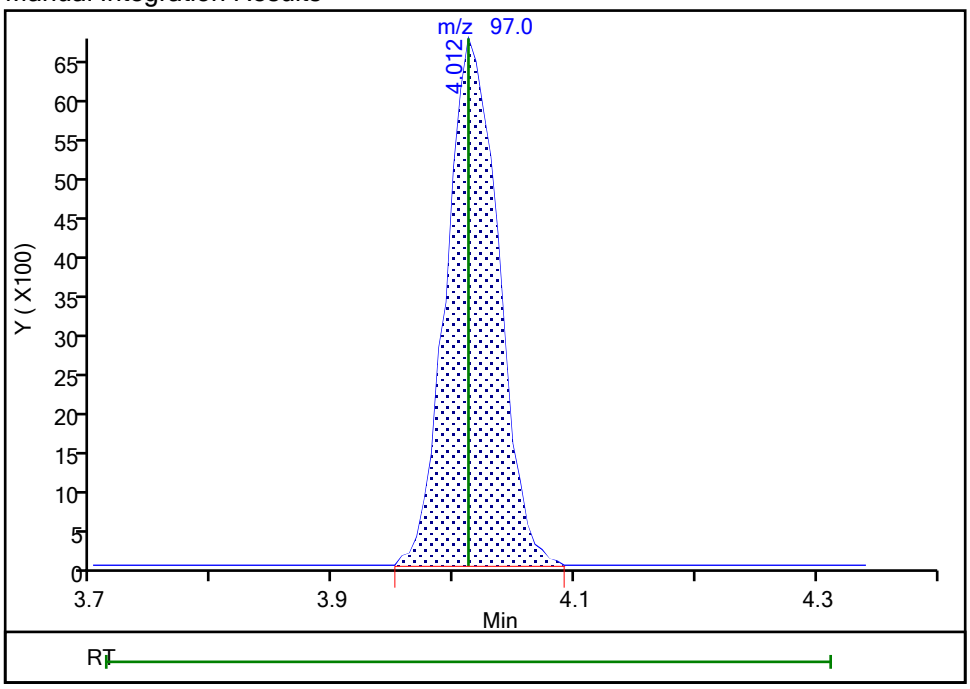
Not Detected
Expected RT: 4.01

Processing Integration Results



Manual Integration Results

RT: 4.01
Area: 20164
Amount: 21.271043
Amount Units: ug/l



Reviewer: FK2C, 24-Mar-2024 06:35:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

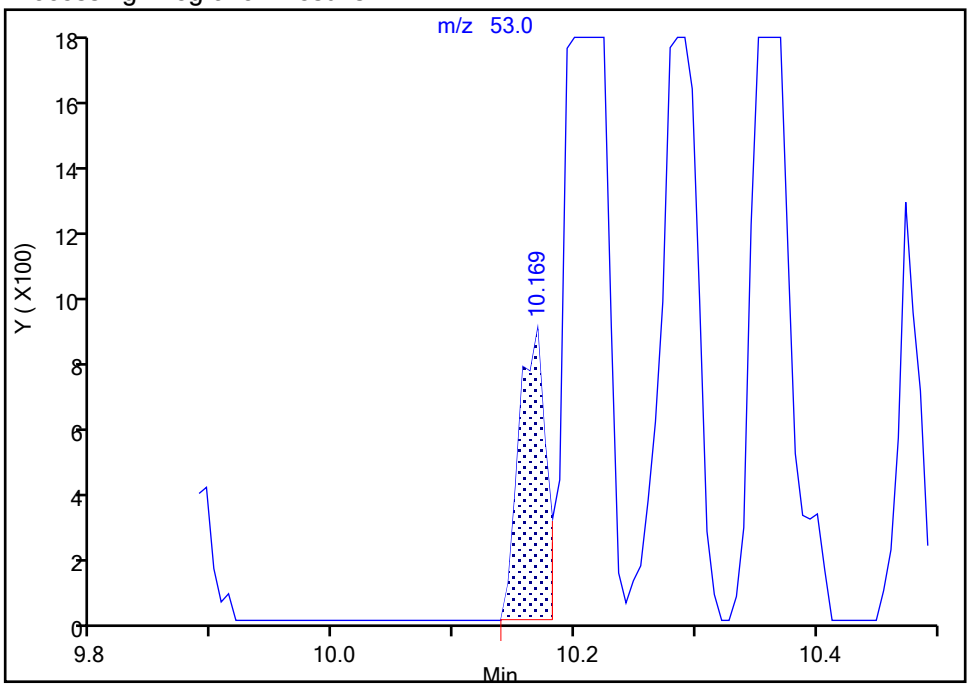
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77719.D
Injection Date: 22-Mar-2024 17:11:30 Instrument ID: CVOAMS17
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 16 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm) Detector MS Quad

110 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

Signal: 1

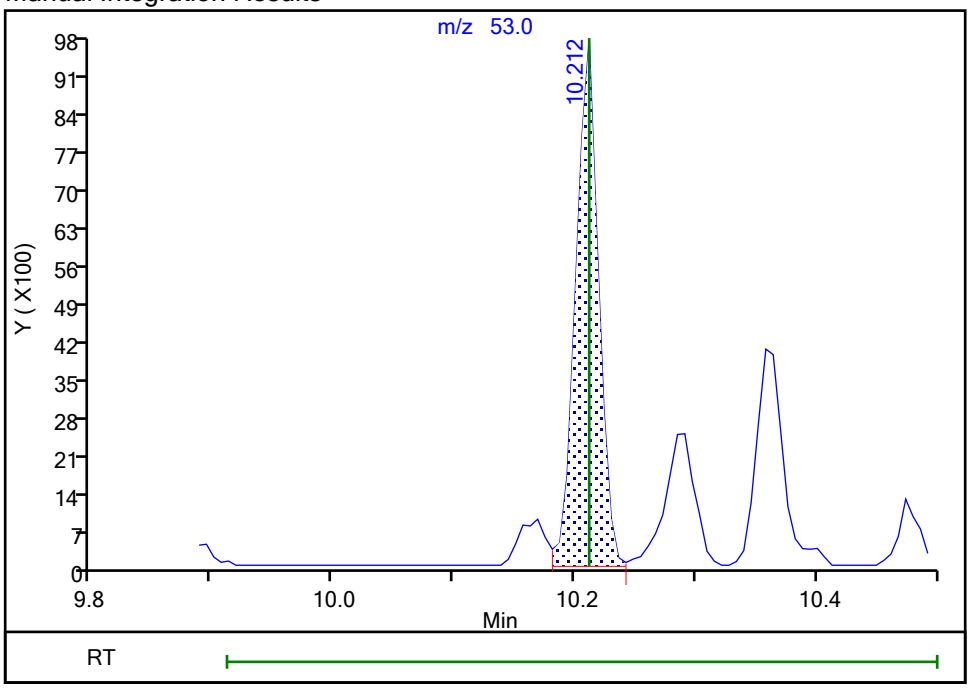
Processing Integration Results

RT: 10.17
Area: 1334
Amount: 1.910476
Amount Units: ug/l



Manual Integration Results

RT: 10.21
Area: 12814
Amount: 18.351457
Amount Units: ug/l



Reviewer: FK2C, 24-Mar-2024 06:35:35 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D				
Lims ID:	BFB				
Client ID:					
Sample Type:	BFB				
Inject. Date:	22-Feb-2024 06:43:30	ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Sample Info:	BFB				
Misc. Info.:	460-0172593-001				
Operator ID:		Instrument ID:	CVOAMS17		
Method:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\8260W_17.m				
Limit Group:	VOA - 8260D Water and Solid				
Last Update:	23-Feb-2024 06:20:17	Calib Date:	22-Feb-2024 09:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D				
Column 1 :	DB-624 (0.18 mm)		Det: MS Quad		
Process Host:	CTX1673				
First Level Reviewer: FK2C		Date:	23-Feb-2024 06:20:17		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags

$ 141 BFB

QC Flag Legend

Processing Flags

Reagents:

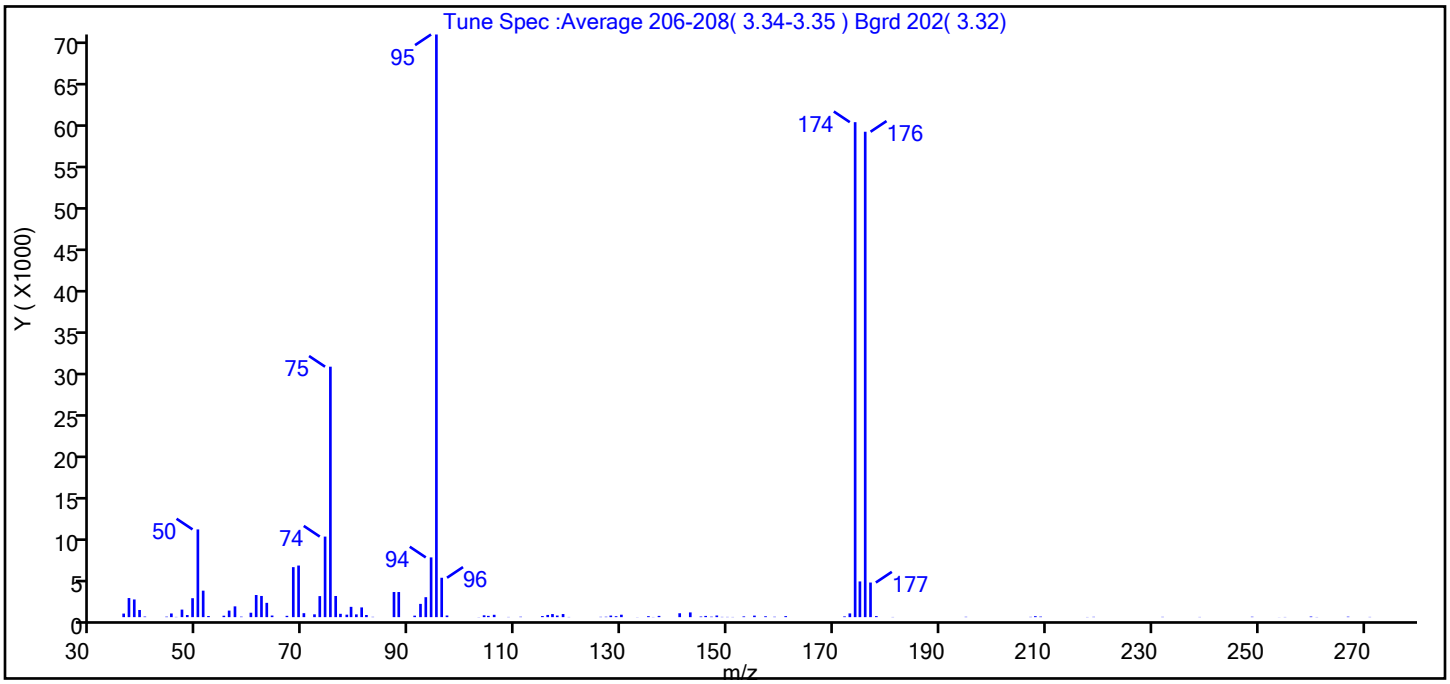
BFB_00035 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D
Injection Date: 22-Feb-2024 06:43:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Tune Method: BFB Method 8260D

$ 141 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	50 to 200% of m/z 174	100.0 (117.7)
96	5 to 9% of m/z 95	6.8
173	<2% of m/z 174	0.6 (0.8)
174	50 to 200% of m/z 95	85.0
175	5 to 9% of m/z 174	6.1 (7.2)
176	95 to 105% of m/z 174	83.3 (98.1)
177	5 to 10% of m/z 176	5.9 (7.1)

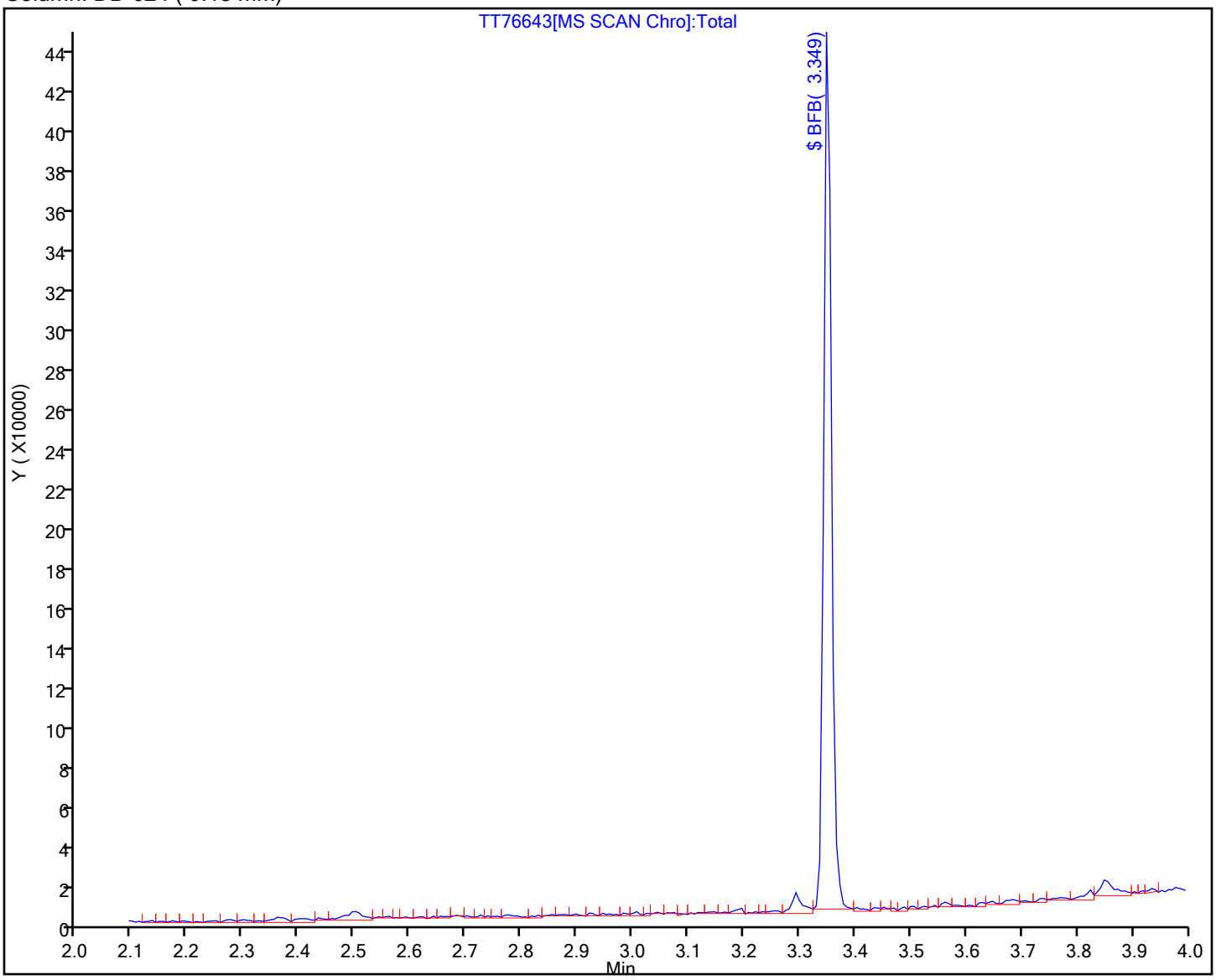
Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D\8260W_17.rslt\spectra.d
Injection Date: 22-Feb-2024 06:43:30
Spectrum: Tune Spec :Average 206-208(3.34-3.35) Bgrd 202(3.32)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 106

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	432	72.00	340	115.00	132	159.00	46
37.00	2313	73.00	2549	116.00	267	161.00	125
38.00	2142	74.00	9760	117.00	375	172.00	90
39.00	867	75.00	30344	118.00	193	173.00	452
40.00	71	76.00	2562	119.00	377	174.00	59968
44.00	59	77.00	403	120.00	23	175.00	4327
45.00	447	78.00	301	126.00	38	176.00	58808
46.00	28	79.00	1247	127.00	49	177.00	4194
47.00	914	80.00	334	128.00	191	178.00	125
48.00	254	81.00	1180	129.00	114	181.00	22
49.00	2294	82.00	261	130.00	294	195.00	41
50.00	10629	83.00	37	133.00	14	207.00	35
51.00	3209	87.00	3043	135.00	117	208.00	116
52.00	132	88.00	3042	136.00	20	209.00	66
55.00	173	91.00	180	137.00	152	218.00	20
56.00	794	92.00	1606	141.00	472	219.00	38
57.00	1307	93.00	2418	143.00	574	232.00	35
58.00	59	94.00	7237	145.00	75	239.00	25
60.00	534	95.00	70592	146.00	149	249.00	49
61.00	2682	96.00	4773	147.00	58	254.00	10
62.00	2567	97.00	198	148.00	198	255.00	22
63.00	1731	103.00	17	149.00	31	260.00	73
64.00	195	104.00	222	150.00	29	261.00	19
67.00	160	105.00	156	151.00	23	267.00	57
68.00	6058	106.00	284	153.00	90	271.00	28
69.00	6251	109.00	25	155.00	185		
70.00	480	111.00	49	157.00	107		

Report Date: 23-Feb-2024 06:20:17 Chrom Revision: 2.3 14-Feb-2024 16:13:40

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76643.D
Injection Date: 22-Feb-2024 06:43:30 Instrument ID: CVOAMS17
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
11:47:49 AM

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965476/8

Matrix: Water | Lab File ID: TT77726.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	1.0	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31
79-00-5	1,1,2-Trichloroethane	1.0	U	1.0	0.20
75-34-3	1,1-Dichloroethane	1.0	U	1.0	0.26
75-35-4	1,1-Dichloroethene	1.0	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	1.0	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	1.0	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38
95-50-1	1,2-Dichlorobenzene	1.0	U	1.0	0.21
107-06-2	1,2-Dichloroethane	1.0	U	1.0	0.43
78-87-5	1,2-Dichloropropane	1.0	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	1.0	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	1.0	U	1.0	0.33
123-91-1	1,4-Dioxane	50	U	50	28
78-93-3	2-Butanone (MEK)	5.0	U	5.0	1.9
591-78-6	2-Hexanone	5.0	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3
67-64-1	Acetone	5.0	U	5.0	4.4
71-43-2	Benzene	1.0	U	1.0	0.20
75-25-2	Bromoform	1.0	U	1.0	0.54
74-83-9	Bromomethane	1.0	U	1.0	0.55
75-15-0	Carbon disulfide	1.0	U	1.0	0.82
56-23-5	Carbon tetrachloride	1.0	U	1.0	0.21
108-90-7	Chlorobenzene	1.0	U	1.0	0.38
74-97-5	Chlorobromomethane	1.0	U	1.0	0.41
124-48-1	Chlorodibromomethane	1.0	U	1.0	0.28
75-00-3	Chloroethane	1.0	U	1.0	0.32
67-66-3	Chloroform	1.0	U	1.0	0.33
74-87-3	Chloromethane	1.0	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	1.0	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	1.0	U	1.0	0.22
110-82-7	Cyclohexane	1.0	U	1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965476/8

Matrix: Water | Lab File ID: TT77726.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	1.0	U	1.0	0.34
75-71-8	Dichlorodifluoromethane	1.0	U	1.0	0.31
100-41-4	Ethylbenzene	1.0	U	1.0	0.30
106-93-4	Ethylene Dibromide	1.0	U	1.0	0.50
98-82-8	Isopropylbenzene	1.0	U	1.0	0.34
79-20-9	Methyl acetate	5.0	U	5.0	0.79
1634-04-4	Methyl tert-butyl ether	1.0	U	1.0	0.22
108-87-2	Methylcyclohexane	1.0	U	1.0	0.71
75-09-2	Methylene Chloride	1.0	U	1.0	0.32
179601-23-1	m-Xylene & p-Xylene	1.0	U	1.0	0.30
95-47-6	o-Xylene	1.0	U	1.0	0.36
100-42-5	Styrene	1.0	U	1.0	0.42
127-18-4	Tetrachloroethene	1.0	U	1.0	0.25
108-88-3	Toluene	1.0	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	1.0	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	1.0	U	1.0	0.22
79-01-6	Trichloroethene	1.0	U	1.0	0.31
75-69-4	Trichlorofluoromethane	1.0	U	1.0	0.32
75-01-4	Vinyl chloride	1.0	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	102		70-128
460-00-4	4-Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	97		77-132
2037-26-5	Toluene-d8 (Surr)	102		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77726.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 19:28:30 ALS Bottle#: 23 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173705-008
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:40:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	66	2.957	2.951	0.006	0	38850	1000.0	1000.0	
* 42 2-Butanone-d5	46	3.994	3.987	0.007	0	244021	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.457	4.451	0.006	99	143885	50.0	48.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	148448	50.0	50.8	
* 66 Fluorobenzene	96	5.067	5.060	0.007	99	572693	50.0	50.0	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	26279	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	99	546388	50.0	50.9	
* 94 Chlorobenzene-d5	117	8.475	8.474	0.000	84	423843	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	97	191323	50.0	54.3	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	94	246718	50.0	50.0	

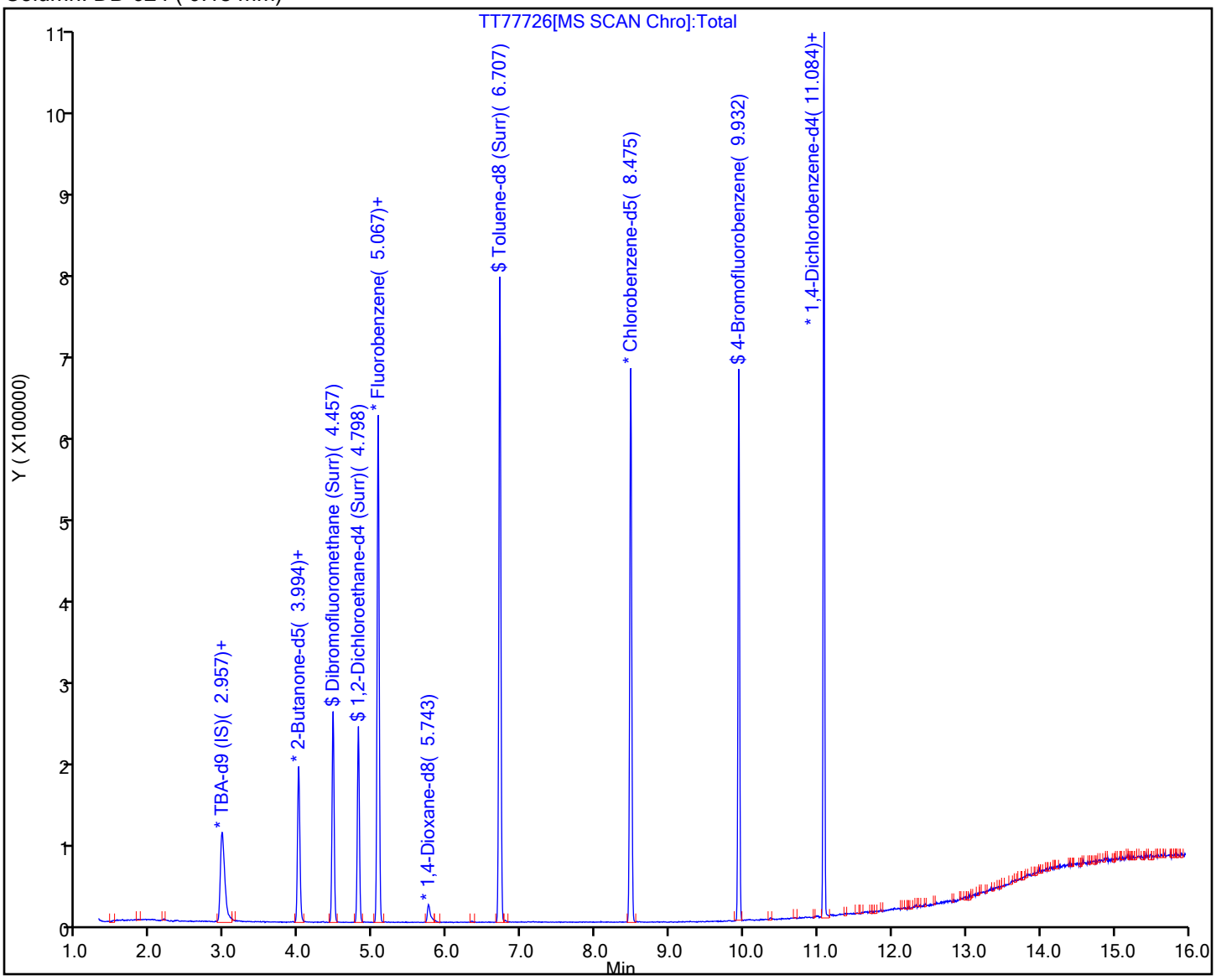
QC Flag Legend
Processing Flags

Reagents:
VOA6IS/SURR_00071 Amount Added: 5.00 Units: uL Run Reagent

Report Date: 24-Mar-2024 06:54:04 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77726.D
Injection Date: 22-Mar-2024 19:28:30 Instrument ID: CVOAMS17
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid
Column: DB-624 (0.18 mm)



3/27/2024
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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77726.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 19:28:30 ALS Bottle#: 23 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0173705-008
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:40:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	48.5	97.07
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.8	101.61
$ 83 Toluene-d8 (Surr)	50.0	50.9	101.76
$ 105 4-Bromofluorobenzene	50.0	54.3	108.53

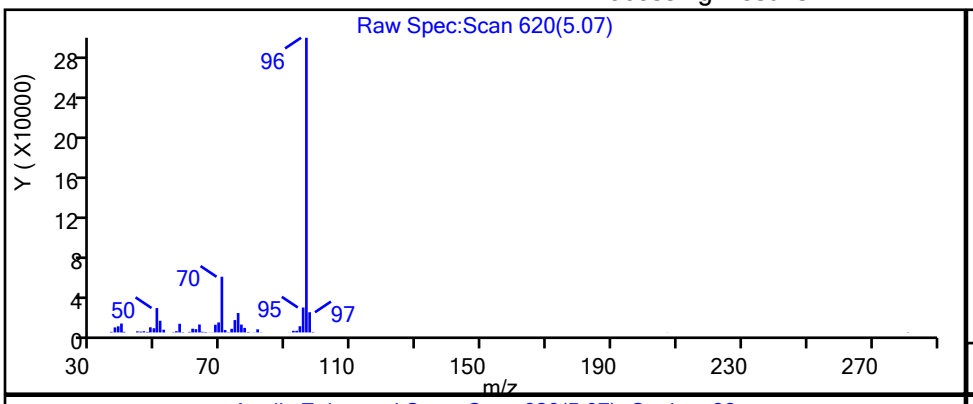
User Disabled Compound Report

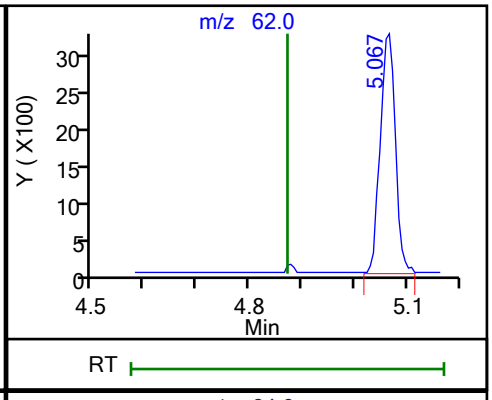
Eurofins Edison

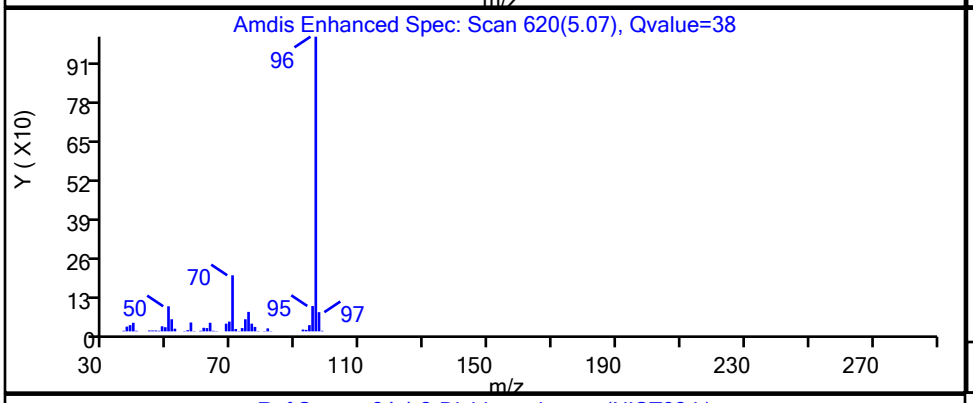
Data File:	\\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77726.D				
Injection Date:	22-Mar-2024 19:28:30	Instrument ID:	CVOAMS17		
Lims ID:	MB				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	8
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260W_17	Limit Group:	VOA - 8260D Water and Solid		
Column:	DB-624 (0.18 mm)	Detector	MS Quad		

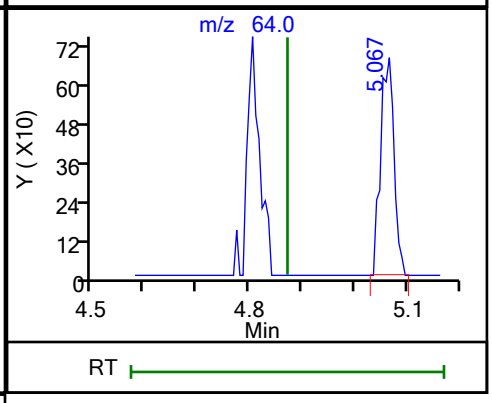
64 1,2-Dichloroethane, CAS: 107-06-2

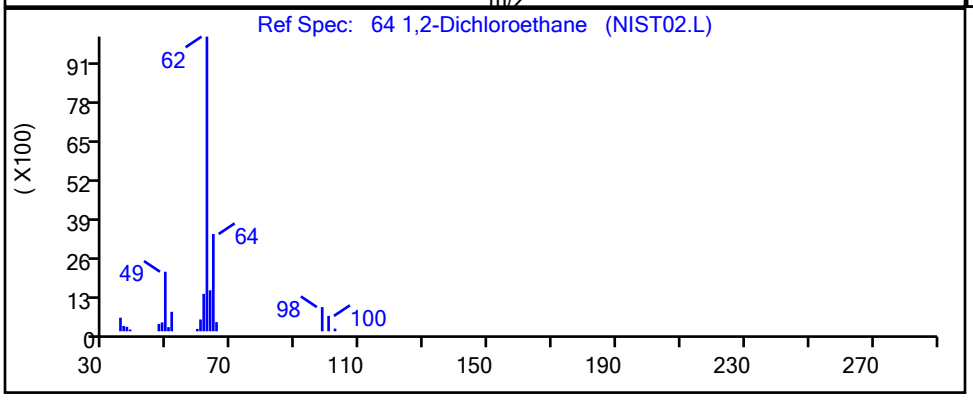
Processing Results











RT	Mass	Response	Amount
5.07	62.00	6552	2.110323
5.07	64.00	1224	

Reviewer: FK2C, 24-Mar-2024 06:40:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965476/3

Matrix: Water | Lab File ID: TT77721.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	21.2		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.1		1.0	0.20
75-34-3	1,1-Dichloroethane	22.2		1.0	0.26
75-35-4	1,1-Dichloroethene	21.6		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	23.3		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	23.5		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	20.6		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.0		1.0	0.21
107-06-2	1,2-Dichloroethane	21.3		1.0	0.43
78-87-5	1,2-Dichloropropane	21.6		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.9		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.1		1.0	0.33
123-91-1	1,4-Dioxane	551		50	28
78-93-3	2-Butanone (MEK)	115		5.0	1.9
591-78-6	2-Hexanone	112		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	102		5.0	1.3
67-64-1	Acetone	112		5.0	4.4
71-43-2	Benzene	22.2		1.0	0.20
75-25-2	Bromoform	21.5		1.0	0.54
74-83-9	Bromomethane	17.9		1.0	0.55
75-15-0	Carbon disulfide	22.0		1.0	0.82
56-23-5	Carbon tetrachloride	22.1		1.0	0.21
108-90-7	Chlorobenzene	21.7		1.0	0.38
74-97-5	Chlorobromomethane	22.5		1.0	0.41
124-48-1	Chlorodibromomethane	20.9		1.0	0.28
75-00-3	Chloroethane	18.0		1.0	0.32
67-66-3	Chloroform	21.5		1.0	0.33
74-87-3	Chloromethane	17.5		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.3		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.4		1.0	0.22
110-82-7	Cyclohexane	23.3		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965476/3

Matrix: Water | Lab File ID: TT77721.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 17:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	20.4		1.0	0.34
75-71-8	Dichlorodifluoromethane	17.7		1.0	0.31
100-41-4	Ethylbenzene	22.2		1.0	0.30
106-93-4	Ethylene Dibromide	21.2		1.0	0.50
98-82-8	Isopropylbenzene	22.4		1.0	0.34
79-20-9	Methyl acetate	40.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	20.9		1.0	0.22
108-87-2	Methylcyclohexane	22.2		1.0	0.71
75-09-2	Methylene Chloride	22.6		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	22.1		1.0	0.30
95-47-6	o-Xylene	22.1		1.0	0.36
100-42-5	Styrene	22.2		1.0	0.42
127-18-4	Tetrachloroethene	22.6		1.0	0.25
108-88-3	Toluene	20.6		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	22.1		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.4		1.0	0.22
79-01-6	Trichloroethene	23.4		1.0	0.31
75-69-4	Trichlorofluoromethane	20.0		1.0	0.32
75-01-4	Vinyl chloride	19.2		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	101		70-128
460-00-4	4-Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	101		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77721.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 17:50:30 ALS Bottle#: 18 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173705-003
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:38:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	94	21325	20.0	20.8	
2 1,1-Difluoroethane	65	1.384	1.378	0.006	96	35288	20.0	25.3	
4 Dichlorodifluoromethane	85	1.396	1.396	0.000	98	62814	20.0	17.7	
5 Chlorodifluoromethane	67	1.415	1.409	0.006	97	11816	20.0	24.4	a
6 Chloromethane	50	1.561	1.561	0.000	100	66112	20.0	17.5	
7 Vinyl chloride	62	1.653	1.640	0.013	98	67303	20.0	19.2	
8 Butadiene	54	1.665	1.659	0.006	93	57518	20.0	19.0	
9 Bromomethane	94	1.927	1.921	0.006	99	47220	20.0	17.9	
10 Chloroethane	64	1.976	1.976	0.000	99	35792	20.0	18.0	
11 Dichlorofluoromethane	67	2.152	2.152	0.000	99	126624	20.0	21.5	
13 Pentane	72	2.171	2.165	0.006	97	17499	40.0	63.2	
12 Trichlorofluoromethane	101	2.171	2.165	0.006	59	78944	20.0	20.0	
14 Ethanol	46	2.311	2.317	-0.006	66	10277	800.0	1079.6	a
15 Ethyl ether	74	2.341	2.341	0.000	94	36063	20.0	20.0	
16 2-Methyl-1,3-butadiene	53	2.366	2.360	0.006	93	46656	20.0	23.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.408	0.007	86	62111	20.0	22.2	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.469	2.457	0.012	90	92352	20.0	21.7	
19 Acrolein	56	2.506	2.500	0.006	94	15066	40.0	30.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.530	2.524	0.006	96	54384	20.0	21.2	
21 1,1-Dichloroethene	96	2.549	2.543	0.006	98	58150	20.0	21.6	
22 Acetone	43	2.622	2.616	0.006	90	75325	100.0	112.3	
23 Iodomethane	142	2.695	2.689	0.006	96	116535	20.0	22.5	
25 Isopropyl alcohol	45	2.701	2.701	0.000	79	27726	200.0	234.4	a
24 Carbon disulfide	76	2.725	2.719	0.006	99	212654	20.0	22.0	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	99	38324	20.0	22.2	
27 Methyl acetate	43	2.854	2.847	0.007	98	71050	40.0	40.3	
28 Cyclopentene	67	2.866	2.860	0.006	94	121541	20.0	23.4	
29 Acetonitrile	41	2.902	2.902	0.000	96	71682	200.0	214.7	a
* 31 TBA-d9 (IS)	66	2.957	2.951	0.006	0	39531	1000.0	1000.0	
30 Methylene Chloride	84	2.963	2.963	0.000	89	70810	20.0	22.6	
32 2-Methyl-2-propanol	59	3.024	3.024	0.000	99	49757	200.0	234.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.122	3.110	0.012	97	171720	20.0	20.9	
34 trans-1,2-Dichloroethene	96	3.146	3.140	0.006	93	65988	20.0	22.1	
35 Acrylonitrile	53	3.213	3.207	0.006	94	200954	200.0	209.9	
36 Hexane	57	3.292	3.286	0.006	91	64554	20.0	19.9	
37 Isopropyl ether	45	3.500	3.494	0.006	96	176485	20.0	20.5	
38 1,1-Dichloroethane	63	3.530	3.524	0.006	100	105405	20.0	22.2	
39 Vinyl acetate	86	3.542	3.536	0.006	100	11944	40.0	21.8	
40 2-Chloro-1,3-butadiene	88	3.573	3.567	0.006	89	51848	20.0	22.6	
41 Tert-butyl ethyl ether	59	3.805	3.798	0.007	90	177784	20.0	21.7	
* 42 2-Butanone-d5	46	3.987	3.987	0.000	0	245670	250.0	250.0	
43 2,2-Dichloropropane	97	4.012	4.012	0.000	91	19551	20.0	19.9	
44 cis-1,2-Dichloroethene	96	4.030	4.024	0.006	99	68799	20.0	21.3	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	98	30751	100.0	114.6	
46 Ethyl acetate	70	4.042	4.048	-0.006	93	11760	40.0	41.3	
47 Methyl acrylate	55	4.103	4.097	0.006	99	43073	20.0	20.3	
48 Propionitrile	54	4.170	4.164	0.006	99	72785	200.0	195.6	
50 Tetrahydrofuran	72	4.237	4.243	-0.006	74	13569	40.0	36.2	
49 Chlorobromomethane	128	4.250	4.243	0.007	86	36572	20.0	22.5	
51 Methacrylonitrile	67	4.274	4.268	0.006	88	225759	200.0	215.1	
52 Chloroform	83	4.304	4.298	0.006	99	100034	20.0	21.5	
53 Cyclohexane	84	4.432	4.432	0.000	90	82826	20.0	23.3	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	97	86098	20.0	21.7	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	99	146865	50.0	49.0	
56 Carbon tetrachloride	117	4.560	4.560	0.000	97	75701	20.0	22.1	
57 1,1-Dichloropropene	75	4.591	4.585	0.006	98	77933	20.0	22.9	
58 Isobutyl alcohol	43	4.707	4.707	0.000	97	41367	500.0	512.6	
59 Isooctane	57	4.756	4.756	0.000	99	176670	20.0	20.3	
60 Benzene	78	4.780	4.780	0.000	96	238940	20.0	22.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.798	4.792	0.006	0	148689	50.0	50.3	
63 Isopropyl acetate	61	4.841	4.835	0.006	95	29005	20.0	22.2	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	90	180830	20.0	21.9	
64 1,2-Dichloroethane	62	4.871	4.871	0.000	96	67037	20.0	21.3	
65 n-Heptane	100	4.938	4.932	0.006	89	11343	20.0	16.7	
* 66 Fluorobenzene	96	5.066	5.060	0.006	99	579430	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	85	30126	500.0	631.2	
68 Trichloroethene	95	5.408	5.408	0.000	97	64891	20.0	23.4	
70 Ethyl acrylate	99	5.530	5.530	0.000	95	7535	20.0	20.3	
69 Methylcyclohexane	83	5.536	5.530	0.006	82	92098	20.0	22.2	
71 1,2-Dichloropropane	63	5.694	5.694	0.000	95	59024	20.0	21.6	
* 72 1,4-Dioxane-d8	96	5.749	5.743	0.006	0	27852	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	85	26718	40.0	40.8	
75 1,4-Dioxane	88	5.804	5.804	0.000	85	11608	400.0	550.6	
74 Dibromomethane	93	5.822	5.816	0.006	92	34784	20.0	20.9	
76 n-Propyl acetate	43	5.829	5.828	0.001	98	59601	20.0	19.7	
77 Dichlorobromomethane	83	5.975	5.969	0.006	99	69538	20.0	20.4	
78 2-Nitropropane	41	6.298	6.298	0.000	81	19729	40.0	38.3	
79 2-Chloroethyl vinyl ether	63	6.310	6.304	0.006	85	32900	20.0	20.6	
80 Epichlorohydrin	57	6.408	6.402	0.006	99	92678	400.0	417.0	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.001	89	88962	20.0	21.4	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.627	0.006	95	97147	100.0	102.0	
$ 83 Toluene-d8 (Surr)	98	6.706	6.706	0.000	99	561926	50.0	50.6	
84 Toluene	91	6.786	6.780	0.006	93	246103	20.0	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.133	7.127	0.006	95	76703	20.0	21.4	
86 Ethyl methacrylate	69	7.164	7.164	0.000	88	62799	20.0	20.7	
87 1,1,2-Trichloroethane	83	7.340	7.340	0.000	97	42966	20.0	21.1	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	66451	20.0	22.6	
89 1,3-Dichloropropane	76	7.554	7.548	0.006	91	82716	20.0	22.2	
90 2-Hexanone	43	7.621	7.615	0.006	94	142898	100.0	112.1	
91 n-Butyl acetate	43	7.737	7.737	0.000	97	69138	20.0	20.6	
92 Chlorodibromomethane	129	7.773	7.773	0.000	98	55208	20.0	20.9	
93 Ethylene Dibromide	107	7.926	7.926	0.000	98	50238	20.0	21.2	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	438335	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	164114	20.0	21.7	
96 Ethylbenzene	106	8.621	8.615	0.006	97	88281	20.0	22.2	
97 1,1,1,2-Tetrachloroethane	131	8.633	8.633	0.000	96	59452	20.0	21.3	
98 m-Xylene & p-Xylene	106	8.779	8.773	0.006	0	107566	20.0	22.1	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	38547	20.0	20.2	
99 o-Xylene	106	9.285	9.291	-0.006	95	109740	20.0	22.1	
101 Styrene	104	9.322	9.322	0.000	96	165243	20.0	22.2	
103 Amyl acetate (mixed isomers)	43	9.560	9.559	0.001	92	84577	20.0	20.3	
102 Bromoform	173	9.560	9.559	0.001	66	40407	20.0	21.5	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	272562	20.0	22.4	
$ 105 4-Bromofluorobenzene	174	9.931	9.931	0.000	97	199506	50.0	54.7	
106 Bromobenzene	156	10.078	10.078	0.000	95	76205	20.0	22.3	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	59186	20.0	18.9	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	327589	20.0	22.1	
109 1,2,3-Trichloropropane	110	10.187	10.181	0.006	97	18288	20.0	21.0	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	80	12778	20.0	17.9	a
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	221696	20.0	21.9	
112 4-Ethyltoluene	105	10.291	10.291	0.000	97	270726	20.0	21.5	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	236540	20.0	22.7	
114 4-Chlorotoluene	91	10.395	10.395	0.000	97	204785	20.0	22.0	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	70569	20.0	17.2	
116 tert-Butylbenzene	119	10.669	10.669	0.000	95	196753	20.0	21.4	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	246449	20.0	22.3	
118 sec-Butylbenzene	105	10.882	10.882	0.000	99	305888	20.0	22.0	
119 1,3-Dichlorobenzene	146	11.010	11.010	0.000	97	144531	20.0	21.9	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	269579	20.0	22.6	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	254833	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	97	147009	20.0	22.1	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	98	262368	20.0	21.9	
124 Benzyl chloride	91	11.242	11.242	0.000	99	105343	20.0	17.2	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	95	249706	20.0	21.7	
126 p-Diethylbenzene	119	11.370	11.370	0.000	95	169558	20.0	21.5	
127 n-Butylbenzene	92	11.388	11.388	0.000	97	139833	20.0	22.1	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	145970	20.0	22.0	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	265188	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	92	16068	20.0	20.6	
131 1,3,5-Trichlorobenzene	180	12.230	12.236	-0.006	97	138185	20.0	23.5	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	131866	20.0	23.5	
133 Hexachlorobutadiene	225	12.815	12.821	-0.006	98	66866	20.0	28.6	
134 Naphthalene	128	12.925	12.925	0.000	99	273845	20.0	21.3	
135 1,2,3-Trichlorobenzene	180	13.102	13.101	0.001	95	129008	20.0	23.3	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	44.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	42.8	
S 140 Total BTEX	1				0		100.0	109.1	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 24-Mar-2024 06:54:28 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77721.D

Injection Date: 22-Mar-2024 17:50:30 Instrument ID: CVOAMS17

Lims ID: LCS

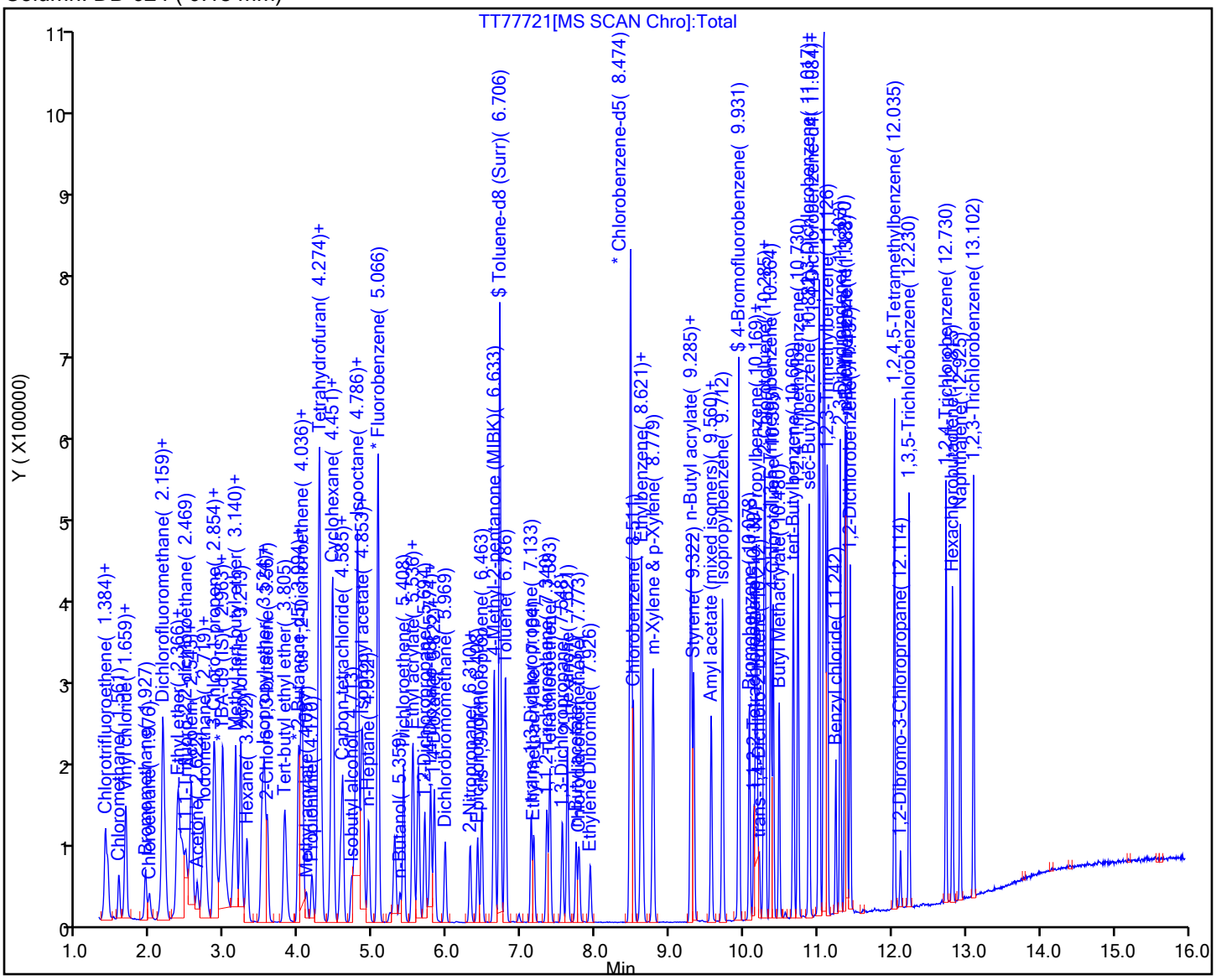
Client ID:

Operator ID: ALS Bottle#: 18 Worklist Smp#: 3

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77721.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 17:50:30 ALS Bottle#: 18 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0173705-003
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:38:07

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.0	97.93
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	50.3	100.59
$ 83 Toluene-d8 (Surr)	50.0	50.6	101.19
$ 105 4-Bromofluorobenzene	50.0	54.7	109.43

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965476/4

Matrix: Water | Lab File ID: TT77722.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 18:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.6		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	21.1		1.0	0.37
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	19.3		1.0	0.31
79-00-5	1,1,2-Trichloroethane	21.0		1.0	0.20
75-34-3	1,1-Dichloroethane	22.5		1.0	0.26
75-35-4	1,1-Dichloroethene	21.6		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	23.8		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	24.4		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.0	0.38
95-50-1	1,2-Dichlorobenzene	22.6		1.0	0.21
107-06-2	1,2-Dichloroethane	21.5		1.0	0.43
78-87-5	1,2-Dichloropropane	21.3		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.5		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.3		1.0	0.33
123-91-1	1,4-Dioxane	613		50	28
78-93-3	2-Butanone (MEK)	114		5.0	1.9
591-78-6	2-Hexanone	108		5.0	1.1
108-10-1	4-Methyl-2-pentanone (MIBK)	103		5.0	1.3
67-64-1	Acetone	109		5.0	4.4
71-43-2	Benzene	22.2		1.0	0.20
75-25-2	Bromoform	20.8		1.0	0.54
74-83-9	Bromomethane	18.1		1.0	0.55
75-15-0	Carbon disulfide	21.8		1.0	0.82
56-23-5	Carbon tetrachloride	22.0		1.0	0.21
108-90-7	Chlorobenzene	21.9		1.0	0.38
74-97-5	Chlorobromomethane	22.0		1.0	0.41
124-48-1	Chlorodibromomethane	20.6		1.0	0.28
75-00-3	Chloroethane	18.1		1.0	0.32
67-66-3	Chloroform	21.0		1.0	0.33
74-87-3	Chloromethane	17.5		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.4		1.0	0.22
110-82-7	Cyclohexane	21.6		1.0	0.32

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965476/4

Matrix: Water | Lab File ID: TT77722.D

Analysis Method: 8260D | Date Collected:

Sample wt/vol: 5(mL) | Date Analyzed: 03/22/2024 18:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 ID: 0.18(mm)

Purge Volume: 5.0(mL) | Heated Purge: (Y/N) N pH:

% Moisture: % Solids: | Level: (low/med) Low

Analysis Batch No.: 965476 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
75-27-4	Dichlorobromomethane	20.5		1.0	0.34
75-71-8	Dichlorodifluoromethane	15.9		1.0	0.31
100-41-4	Ethylbenzene	22.1		1.0	0.30
106-93-4	Ethylene Dibromide	20.8		1.0	0.50
98-82-8	Isopropylbenzene	22.6		1.0	0.34
79-20-9	Methyl acetate	40.3		5.0	0.79
1634-04-4	Methyl tert-butyl ether	21.4		1.0	0.22
108-87-2	Methylcyclohexane	20.2		1.0	0.71
75-09-2	Methylene Chloride	22.7		1.0	0.32
179601-23-1	m-Xylene & p-Xylene	22.0		1.0	0.30
95-47-6	o-Xylene	22.1		1.0	0.36
100-42-5	Styrene	22.4		1.0	0.42
127-18-4	Tetrachloroethene	22.0		1.0	0.25
108-88-3	Toluene	20.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.6		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	21.1		1.0	0.22
79-01-6	Trichloroethene	21.6		1.0	0.31
75-69-4	Trichlorofluoromethane	18.9		1.0	0.32
75-01-4	Vinyl chloride	19.5		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	99		70-128
460-00-4	4-Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	98		77-132
2037-26-5	Toluene-d8 (Surr)	100		80-120

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77722.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 18:09:30 ALS Bottle#: 19 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173705-004
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:39:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.366	1.366	0.000	60	19412	20.0	18.9	
2 1,1-Difluoroethane	65	1.378	1.378	0.000	96	35306	20.0	25.2	
4 Dichlorodifluoromethane	85	1.397	1.396	0.001	57	56583	20.0	15.9	
5 Chlorodifluoromethane	67	1.409	1.409	0.000	97	11664	20.0	24.0	
6 Chloromethane	50	1.561	1.561	0.000	100	66229	20.0	17.5	
7 Vinyl chloride	62	1.647	1.640	0.007	97	68587	20.0	19.5	
8 Butadiene	54	1.659	1.659	0.000	93	58200	20.0	19.2	
9 Bromomethane	94	1.921	1.921	0.000	99	47823	20.0	18.1	
10 Chloroethane	64	1.976	1.976	0.000	99	36059	20.0	18.1	
11 Dichlorofluoromethane	67	2.153	2.152	0.001	99	119840	20.0	20.3	
13 Pentane	72	2.165	2.165	0.000	95	15654	40.0	56.4	
12 Trichlorofluoromethane	101	2.165	2.165	0.000	59	74809	20.0	18.9	
14 Ethanol	46	2.311	2.317	-0.006	65	9786	800.0	980.7	a
15 Ethyl ether	74	2.342	2.341	0.001	95	35283	20.0	19.5	
16 2-Methyl-1,3-butadiene	53	2.366	2.360	0.006	93	43935	20.0	21.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.415	2.408	0.007	81	61803	20.0	22.1	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.463	2.457	0.006	97	91815	20.0	21.5	
19 Acrolein	56	2.506	2.500	0.006	95	15308	40.0	31.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.531	2.524	0.007	95	49433	20.0	19.3	
21 1,1-Dichloroethene	96	2.543	2.543	0.000	97	58242	20.0	21.6	
22 Acetone	43	2.622	2.616	0.006	89	73212	100.0	108.9	
23 Iodomethane	142	2.695	2.689	0.006	96	118173	20.0	22.7	
25 Isopropyl alcohol	45	2.713	2.701	0.012	31	28333	200.0	228.5	a
24 Carbon disulfide	76	2.726	2.719	0.007	98	211203	20.0	21.8	
26 3-Chloro-1-propene	76	2.841	2.841	0.000	96	39387	20.0	22.8	
27 Methyl acetate	43	2.848	2.847	0.001	97	71160	40.0	40.3	
28 Cyclopentene	67	2.860	2.860	0.000	93	117529	20.0	22.6	a
29 Acetonitrile	41	2.902	2.902	0.000	95	77052	200.0	230.4	a
* 31 TBA-d9 (IS)	66	2.957	2.951	0.006	0	41438	1000.0	1000.0	
30 Methylene Chloride	84	2.969	2.963	0.006	88	71019	20.0	22.7	
32 2-Methyl-2-propanol	59	3.024	3.024	0.000	98	53506	200.0	240.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.116	3.110	0.006	97	175822	20.0	21.4	
34 trans-1,2-Dichloroethene	96	3.140	3.140	0.000	93	64642	20.0	21.6	
35 Acrylonitrile	53	3.207	3.207	0.000	95	203722	200.0	212.3	
36 Hexane	57	3.293	3.286	0.007	91	59335	20.0	18.2	
37 Isopropyl ether	45	3.500	3.494	0.006	96	176938	20.0	20.5	
38 1,1-Dichloroethane	63	3.524	3.524	0.000	99	106829	20.0	22.5	
39 Vinyl acetate	86	3.536	3.536	0.000	100	18417	40.0	33.5	
40 2-Chloro-1,3-butadiene	88	3.567	3.567	0.000	88	52220	20.0	22.7	
41 Tert-butyl ethyl ether	59	3.805	3.798	0.007	90	179629	20.0	21.9	
* 42 2-Butanone-d5	46	3.988	3.987	0.001	0	246104	250.0	250.0	
43 2,2-Dichloropropane	97	4.018	4.012	0.006	93	19709	20.0	20.0	a
44 cis-1,2-Dichloroethene	96	4.030	4.024	0.006	98	69791	20.0	21.5	
45 2-Butanone (MEK)	72	4.042	4.042	0.000	97	30616	100.0	113.9	
46 Ethyl acetate	70	4.049	4.048	0.000	95	11514	40.0	40.3	
47 Methyl acrylate	55	4.097	4.097	0.000	100	43891	20.0	20.7	
48 Propionitrile	54	4.164	4.164	0.000	99	73349	200.0	188.0	
50 Tetrahydrofuran	72	4.244	4.243	0.001	67	13603	40.0	36.2	
49 Chlorobromomethane	128	4.244	4.243	0.001	79	35849	20.0	22.0	
51 Methacrylonitrile	67	4.274	4.268	0.006	88	226824	200.0	215.6	
52 Chloroform	83	4.298	4.298	0.000	99	97708	20.0	21.0	
53 Cyclohexane	84	4.433	4.432	0.001	89	77000	20.0	21.6	
54 1,1,1-Trichloroethane	97	4.445	4.445	0.000	97	86124	20.0	21.6	
$ 55 Dibromofluoromethane (Surr)	113	4.451	4.451	0.000	98	147513	50.0	49.1	
56 Carbon tetrachloride	117	4.561	4.560	0.001	96	75652	20.0	22.0	
57 1,1-Dichloropropene	75	4.585	4.585	0.000	98	76905	20.0	22.5	
58 Isobutyl alcohol	43	4.707	4.707	0.000	96	51707	500.0	611.1	
59 Isooctane	57	4.756	4.756	0.000	98	163698	20.0	18.8	
60 Benzene	78	4.780	4.780	0.000	96	236450	20.0	22.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	4.792	4.792	0.000	0	147235	50.0	49.7	
63 Isopropyl acetate	61	4.841	4.835	0.006	97	29702	20.0	22.7	
62 Tert-amyl methyl ether	73	4.847	4.847	0.000	91	182477	20.0	22.0	
64 1,2-Dichloroethane	62	4.872	4.871	0.001	97	67613	20.0	21.5	
65 n-Heptane	100	4.939	4.932	0.007	90	11096	20.0	16.3	
* 66 Fluorobenzene	96	5.061	5.060	0.000	99	580633	50.0	50.0	
67 n-Butanol	56	5.359	5.359	0.000	88	29293	500.0	586.1	
68 Trichloroethene	95	5.408	5.408	0.000	96	60084	20.0	21.6	
70 Ethyl acrylate	99	5.536	5.530	0.006	95	7110	20.0	19.1	
69 Methylcyclohexane	83	5.536	5.530	0.006	80	84069	20.0	20.2	
71 1,2-Dichloropropane	63	5.695	5.694	0.001	94	58265	20.0	21.3	
* 72 1,4-Dioxane-d8	96	5.743	5.743	0.000	0	27812	1000.0	1000.0	
73 Methyl methacrylate	100	5.774	5.768	0.006	88	27601	40.0	42.0	
75 1,4-Dioxane	88	5.792	5.804	-0.012	87	12897	400.0	612.7	
74 Dibromomethane	93	5.816	5.816	0.000	93	35670	20.0	21.4	
76 n-Propyl acetate	43	5.829	5.828	0.001	97	60017	20.0	19.8	
77 Dichlorobromomethane	83	5.969	5.969	0.000	99	70038	20.0	20.5	
78 2-Nitropropane	41	6.304	6.298	0.006	78	19553	40.0	37.9	
79 2-Chloroethyl vinyl ether	63	6.304	6.304	0.000	85	32456	20.0	20.2	
80 Epichlorohydrin	57	6.408	6.402	0.006	99	92673	400.0	416.2	
81 cis-1,3-Dichloropropene	75	6.463	6.463	0.001	89	87634	20.0	21.4	
82 4-Methyl-2-pentanone (MIBK)	58	6.633	6.627	0.006	94	97797	100.0	102.5	
$ 83 Toluene-d8 (Surr)	98	6.707	6.706	0.001	99	551006	50.0	50.2	
84 Toluene	91	6.780	6.780	0.000	93	239054	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.127	7.127	0.000	96	74755	20.0	21.1	
86 Ethyl methacrylate	69	7.164	7.164	0.000	87	62140	20.0	20.7	
87 1,1,2-Trichloroethane	83	7.341	7.340	0.001	97	42319	20.0	21.0	
88 Tetrachloroethene	166	7.383	7.383	0.000	95	63732	20.0	22.0	
89 1,3-Dichloropropane	76	7.554	7.548	0.006	90	82033	20.0	22.3	
90 2-Hexanone	43	7.621	7.615	0.006	94	138118	100.0	108.2	
91 n-Butyl acetate	43	7.731	7.737	-0.006	98	66804	20.0	20.2	
92 Chlorodibromomethane	129	7.779	7.773	0.006	98	53898	20.0	20.6	
93 Ethylene Dibromide	107	7.926	7.926	0.000	99	48856	20.0	20.8	
* 94 Chlorobenzene-d5	117	8.474	8.474	0.000	84	432905	50.0	50.0	
95 Chlorobenzene	112	8.511	8.511	0.000	97	164277	20.0	21.9	
96 Ethylbenzene	106	8.615	8.615	0.000	98	86829	20.0	22.1	
97 1,1,1,2-Tetrachloroethane	131	8.627	8.633	-0.006	95	59939	20.0	21.8	
98 m-Xylene & p-Xylene	106	8.773	8.773	0.000	0	105884	20.0	22.0	
100 n-Butyl acrylate	73	9.285	9.285	0.000	97	37147	20.0	19.7	
99 o-Xylene	106	9.285	9.291	-0.006	95	108739	20.0	22.1	
101 Styrene	104	9.328	9.322	0.006	97	164843	20.0	22.4	
103 Amyl acetate (mixed isomers)	43	9.560	9.559	0.001	93	82039	20.0	20.1	
102 Bromoform	173	9.560	9.559	0.001	66	38645	20.0	20.8	
104 Isopropylbenzene	105	9.712	9.712	0.000	95	271271	20.0	22.6	
$ 105 4-Bromofluorobenzene	174	9.932	9.931	0.001	97	194143	50.0	53.9	
106 Bromobenzene	156	10.078	10.078	0.000	94	75399	20.0	22.6	
107 1,1,2,2-Tetrachloroethane	83	10.139	10.139	0.000	98	64758	20.0	21.1	
108 N-Propylbenzene	91	10.163	10.163	0.000	100	323970	20.0	22.4	
109 1,2,3-Trichloropropane	110	10.188	10.181	0.007	97	18614	20.0	21.8	
110 trans-1,4-Dichloro-2-butene	53	10.212	10.212	0.000	93	12736	20.0	18.3	a
111 2-Chlorotoluene	91	10.273	10.273	0.000	97	220318	20.0	22.2	
112 4-Ethyltoluene	105	10.291	10.291	0.000	97	269747	20.0	21.9	
113 1,3,5-Trimethylbenzene	105	10.364	10.364	0.000	93	232163	20.0	22.7	
114 4-Chlorotoluene	91	10.395	10.395	0.000	96	199045	20.0	21.8	
115 Butyl Methacrylate	87	10.480	10.480	0.000	87	70277	20.0	17.5	
116 tert-Butylbenzene	119	10.669	10.669	0.000	96	196046	20.0	21.8	
117 1,2,4-Trimethylbenzene	105	10.730	10.730	0.000	97	246878	20.0	22.9	
118 sec-Butylbenzene	105	10.883	10.882	0.001	99	304356	20.0	22.4	
119 1,3-Dichlorobenzene	146	11.011	11.010	0.001	98	145557	20.0	22.5	
120 4-Isopropyltoluene	119	11.023	11.023	0.000	98	269535	20.0	23.1	
* 121 1,4-Dichlorobenzene-d4	152	11.084	11.084	0.000	93	249385	50.0	50.0	
122 1,4-Dichlorobenzene	146	11.102	11.102	0.000	96	145489	20.0	22.3	
123 1,2,3-Trimethylbenzene	105	11.126	11.126	0.000	97	263519	20.0	22.5	
124 Benzyl chloride	91	11.242	11.242	0.000	99	104862	20.0	17.5	
125 2,3-Dihydroindene	117	11.303	11.303	0.000	94	253757	20.0	22.5	
126 p-Diethylbenzene	119	11.370	11.370	0.000	94	168556	20.0	21.8	
127 n-Butylbenzene	92	11.389	11.388	0.001	97	139021	20.0	22.5	
128 1,2-Dichlorobenzene	146	11.437	11.437	0.000	98	146921	20.0	22.6	
129 1,2,4,5-Tetramethylbenzene	119	12.035	12.035	0.000	98	264521	20.0	22.0	
130 1,2-Dibromo-3-Chloropropane	157	12.114	12.114	0.000	94	15870	20.0	20.8	
131 1,3,5-Trichlorobenzene	180	12.236	12.236	0.000	97	139563	20.0	24.2	
132 1,2,4-Trichlorobenzene	180	12.730	12.730	0.000	94	134100	20.0	24.4	
133 Hexachlorobutadiene	225	12.815	12.821	-0.006	98	66579	20.0	29.1	
134 Naphthalene	128	12.925	12.925	0.000	99	280424	20.0	22.3	
135 1,2,3-Trichlorobenzene	180	13.102	13.101	0.001	95	128954	20.0	23.8	
S 136 1,2-Dichloroethene, Total	100				0		40.0	43.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	44.2	
S 139 1,3-Dichloropropene, Total	1				0		40.0	42.5	
S 140 Total BTEX	1				0		100.0	108.7	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

ACROLEIN W_00166	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00184	Amount Added:	20.00	Units: uL	
524FREONS_00016	Amount Added:	20.00	Units: uL	
GASES Li_00576	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00071	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 24-Mar-2024 06:54:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77722.D

Injection Date: 22-Mar-2024 18:09:30 Instrument ID: CVOAMS17

Lims ID: LCSD

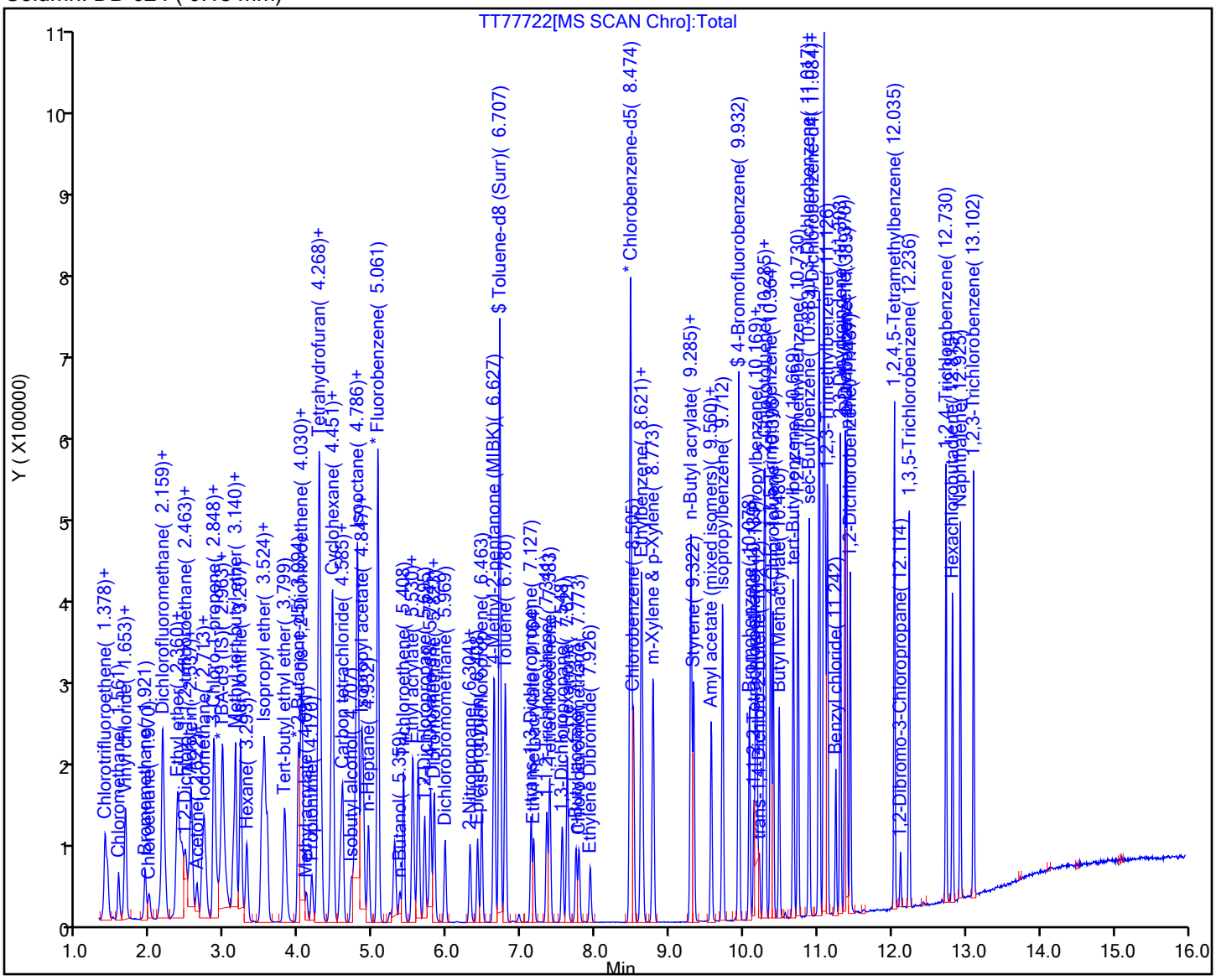
Client ID:

Operator ID: ALS Bottle#: 19 Worklist Smp#: 4

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260W_17 Limit Group: VOA - 8260D Water and Solid

Column: DB-624 (0.18 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\TT77722.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 18:09:30 ALS Bottle#: 19 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0173705-004
Operator ID: Instrument ID: CVOAMS17

Method: \\chromfs\Edison\ChromData\CVOAMS17\20240322-173705.b\8260W_17.m
Limit Group: VOA - 8260D Water and Solid
Last Update: 24-Mar-2024 06:53:32 Calib Date: 22-Feb-2024 09:41:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS17\20240222-172593.b\TT76652.D

Column 1 : DB-624 (0.18 mm) Det: MS Quad
Process Host: CTX1612

First Level Reviewer: FK2C Date: 24-Mar-2024 06:39:30

Compound	Amount Added	Amount Recovered	% Rec.
$ 55 Dibromofluoromethane (Surr)	50.0	49.1	98.16
$ 61 1,2-Dichloroethane-d4 (Surr)	50.0	49.7	99.40
$ 83 Toluene-d8 (Surr)	50.0	50.2	100.47
$ 105 4-Bromofluorobenzene	50.0	53.9	107.82

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 02/22/2024 06:43

Analysis Batch Number: 960584 End Date: 02/22/2024 20:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-960584/1		02/22/2024 06:43	1	TT76643.D	DB-624 0.18(mm)
STD8 460-960584/3 IC		02/22/2024 07:23	1	TT76645.D	DB-624 0.18(mm)
STD05 460-960584/4 IC		02/22/2024 07:42	1	TT76646.D	DB-624 0.18(mm)
STD1 460-960584/5 IC		02/22/2024 08:03	1	TT76647.D	DB-624 0.18(mm)
STD5 460-960584/6 IC		02/22/2024 08:23	1	TT76648.D	DB-624 0.18(mm)
STD20 460-960584/7 ICIS		02/22/2024 08:42	1	TT76649.D	DB-624 0.18(mm)
STD50 460-960584/8 IC		02/22/2024 09:02	1	TT76650.D	DB-624 0.18(mm)
STD200 460-960584/9 IC		02/22/2024 09:21	1	TT76651.D	DB-624 0.18(mm)
STD500 460-960584/10 IC		02/22/2024 09:41	1	TT76652.D	DB-624 0.18(mm)
ICV 460-960584/14		02/22/2024 10:59	1	TT76656.D	DB-624 0.18(mm)
ZZZZZ		02/22/2024 11:18	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 12:38	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:17	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:17	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:37	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:37	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 13:56	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:16	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:36	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 14:55	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:15	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:35	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 15:54	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:14	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:33	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 16:53	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:13	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:32	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 17:52	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:11	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:31	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 18:50	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:10	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:29	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 19:49	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:08	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:28	1		DB-624 0.18(mm)
ZZZZZ		02/22/2024 20:47	1		DB-624 0.18(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CVOAMS17 Start Date: 03/22/2024 17:11

Analysis Batch Number: 965476 End Date: 03/23/2024 02:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965476/1		03/22/2024 17:11	1	TT77719.D	DB-624 0.18(mm)
LCS 460-965476/3		03/22/2024 17:50	1	TT77721.D	DB-624 0.18(mm)
LCSD 460-965476/4		03/22/2024 18:09	1	TT77722.D	DB-624 0.18(mm)
MB 460-965476/8		03/22/2024 19:28	1	TT77726.D	DB-624 0.18(mm)
ZZZZZ		03/22/2024 19:47	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 20:07	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 20:26	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 20:46	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 21:05	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 21:25	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 21:44	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 22:04	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 22:23	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 23:03	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 23:22	1		DB-624 0.18(mm)
ZZZZZ		03/22/2024 23:42	1		DB-624 0.18(mm)
ZZZZZ		03/23/2024 00:01	1		DB-624 0.18(mm)
ZZZZZ		03/23/2024 00:21	1		DB-624 0.18(mm)
ZZZZZ		03/23/2024 00:40	1		DB-624 0.18(mm)
ZZZZZ		03/23/2024 01:00	1		DB-624 0.18(mm)
460-300430-1	MW-18R	03/23/2024 01:38	1	TT77745.D	DB-624 0.18(mm)
460-300430-3	MW-13	03/23/2024 01:58	1	TT77746.D	DB-624 0.18(mm)
460-300430-2	MW-15	03/23/2024 02:17	1	TT77747.D	DB-624 0.18(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	14DIOXINTER 00166	524FREONS 00015	7 Freons Hi 00002	7 Freons SS 00011
BFB 460-960584/1		8260D			5 mL	5 mL				
STD8 460-960584/3 IC		8260D			5 mL	5 mL				
STD05 460-960584/4 IC		8260D			5 mL	5 mL	15 uL	5 uL		
STD1 460-960584/5 IC		8260D			5 mL	5 mL	30 uL	10 uL		
STD5 460-960584/6 IC		8260D			5 mL	5 mL		10 uL		
STD20 460-960584/7 ICIS		8260D			5 mL	5 mL		20 uL		
STD50 460-960584/8 IC		8260D			5 mL	5 mL		50 uL		
STD200 460-960584/9 IC		8260D			5 mL	5 mL			20 uL	
STD500 460-960584/10 IC		8260D			5 mL	5 mL			50 uL	
ICV 460-960584/14		8260D			5 mL	5 mL				20 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00177	8260MIX1COMB 00183	ACROLEIN SP 00162	ACROLEIN W 00165	ACRY/EPIH MIX 00122	BFB 00035
BFB 460-960584/1		8260D								1 uL
STD8 460-960584/3 IC		8260D							20 uL	
STD05 460-960584/4 IC		8260D				5 uL		2 uL		
STD1 460-960584/5 IC		8260D				10 uL		4 uL		
STD5 460-960584/6 IC		8260D				10 uL		4 uL		
STD20 460-960584/7 ICIS		8260D				20 uL		4 uL		
STD50 460-960584/8 IC		8260D				50 uL		10 uL		
STD200 460-960584/9 IC		8260D						20 uL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	8260 SP 00177	8260MIX1COMB 00183	ACROLEIN SP 00162	ACROLEIN W 00165	ACRY/EPIH MIX 00122	BFB 00035
STD500 460-960584/10 IC		8260D						40 uL		
ICV 460-960584/14		8260D			20 uL		4 uL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	Ethanol mix 00086	GAS C SP 00555	GAS Hi 00463	GASES Li 00572	MIX 2 Hi 00145	MIX I Hi 00173
BFB 460-960584/1		8260D								
STD8 460-960584/3 IC		8260D						2.5 uL		
STD05 460-960584/4 IC		8260D						5 uL		
STD1 460-960584/5 IC		8260D						10 uL		
STD5 460-960584/6 IC		8260D						10 uL		
STD20 460-960584/7 ICIS		8260D						20 uL		
STD50 460-960584/8 IC		8260D						50 uL		
STD200 460-960584/9 IC		8260D			20 uL		20 uL		20 uL	20 uL
STD500 460-960584/10 IC		8260D			50 uL		50 uL		50 uL	50 uL
ICV 460-960584/14		8260D				20 uL				

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VOA6IS/SURR 00071					
BFB 460-960584/1		8260D								
STD8 460-960584/3 IC		8260D			5 uL					
STD05 460-960584/4 IC		8260D			5 uL					
STD1 460-960584/5 IC		8260D			5 uL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 960584 Batch Start Date: 02/22/24 06:43 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	VOA6IS/SURR 00071					
STD5 460-960584/6 IC		8260D			5 uL					
STD20 460-960584/7 ICIS		8260D			5 uL					
STD50 460-960584/8 IC		8260D			5 uL					
STD200 460-960584/9 IC		8260D			5 uL					
STD500 460-960584/10 IC		8260D			5 uL					
ICV 460-960584/14		8260D			5 uL					

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965476 Batch Start Date: 03/22/24 17:11 Batch Analyst: Desai, Saurab

Batch Method: 8260D Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	Initial pH	524FREONS 00016	8260MIX1COMB 00184	ACROLEIN W 00166
CCVIS 460-965476/1		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
LCS 460-965476/3		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
LCSD 460-965476/4		8260D			5 mL	5 mL		20 uL	20 uL	4 uL
MB 460-965476/8		8260D			5 mL	5 mL				
460-300430-A-1	MW-18R	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300430-A-3	MW-13	8260D	Water	T	5 mL	5 mL	<2 PH Units			
460-300430-A-2	MW-15	8260D	Water	T	5 mL	5 mL	<2 PH Units			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	GASES Li 00576	VOA6IS/SURR 00071				
CCVIS 460-965476/1		8260D			20 uL	5 uL				
LCS 460-965476/3		8260D			20 uL	5 uL				
LCSD 460-965476/4		8260D			20 uL	5 uL				
MB 460-965476/8		8260D				5 uL				
460-300430-A-1	MW-18R	8260D	Water	T		5 uL				
460-300430-A-3	MW-13	8260D	Water	T		5 uL				
460-300430-A-2	MW-15	8260D	Water	T		5 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-18R	460-300430-1	46	31	92	89	97	40
MW-15	460-300430-2	76	57 *	110	103	113	68
MW-13	460-300430-3	78	58 *	114	104	114	67
	MB 460-965454/1-A	70	55	90	82	87	57
	MB 460-965565/1-A	44	31	78	75	79	72
	LCS 460-965454/17-A	52	39	109	89	105	80
	LCS 460-965565/2-A	52	40	86	84	92	78
	LCSD 460-965454/18-A	54	40	109	89	102	79
	LCSD 460-965565/3-A	52	40	86	85	90	77
	460-300484-D-2-C MS	72	53	113	103	111	75
	460-300522-E-4-B MS	45	30	93	88	94	48
	460-300484-E-2-C MSD	75	57 *	115	106	116	82
	460-300522-E-4-C MSD	45	31	91	87	98	51

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	16-80
PHL = Phenol-d5 (Surr)	10-56
NBZ = Nitrobenzene-d5 (Surr)	51-145
FBP = 2-Fluorobiphenyl	46-139
TBP = 2,4,6-Tribromophenol (Surr)	37-150
TPHL = Terphenyl-d14 (Surr)	13-150

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84291.D

Lab ID: LCS 460-965454/17-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	68.2	85	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	57.9	72	46-136	
2,2'-oxybis[1-chloropropane]	80.0	77.2	96	19-132	
2,3,4,6-Tetrachlorophenol	80.0	78.4	98	66-143	
2,4,5-Trichlorophenol	80.0	73.1	91	67-131	
2,4,6-Trichlorophenol	80.0	77.3	97	68-134	
2,4-Dichlorophenol	80.0	71.6	90	65-120	
2,4-Dimethylphenol	80.0	50.6	63	58-120	
2,4-Dinitrophenol	160	150	94	39-120	
2,4-Dinitrotoluene	80.0	105	132	68-146	
2,6-Dinitrotoluene	80.0	91.1	114	74-141	
2-Chloronaphthalene	80.0	64.6	81	52-131	
2-Chlorophenol	80.0	62.5	78	53-120	
2-Methylnaphthalene	80.0	60.9	76	44-120	
2-Methylphenol	80.0	56.6	71	44-120	
2-Nitroaniline	80.0	93.3	117	44-148	
2-Nitrophenol	80.0	75.3	94	60-125	
3,3'-Dichlorobenzidine	80.0	89.6	112	56-137	
3-Nitroaniline	80.0	69.6	87	54-120	
4,6-Dinitro-2-methylphenol	160	164	103	64-150	
4-Bromophenyl phenyl ether	80.0	78.8	98	62-136	
4-Chloro-3-methylphenol	80.0	69.1	86	61-120	
4-Chloroaniline	80.0	64.8	81	51-127	
4-Chlorophenyl phenyl ether	80.0	83.7	105	59-135	
4-Methylphenol	80.0	50.4	63	37-120	
4-Nitroaniline	80.0	85.6	107	52-141	
4-Nitrophenol	160	80.8	51	10-120	
Acenaphthene	80.0	83.5	104	57-132	
Acenaphthylene	80.0	73.9	92	54-120	
Acetophenone	80.0	89.7	112	62-120	
Anthracene	80.0	89.6	112	65-120	
Atrazine	40.0	53.0	132	10-150	
Benzaldehyde	40.0	47.0	118	10-150	
Benzo[a]anthracene	80.0	92.4	116	67-132	
Benzo[a]pyrene	80.0	91.6	114	60-126	
Benzo[b]fluoranthene	80.0	89.2	112	66-136	
Benzo[g,h,i]perylene	80.0	81.6	102	59-150	
Benzo[k]fluoranthene	80.0	89.3	112	64-135	
Bis(2-chloroethoxy)methane	80.0	80.1	100	60-120	
Bis(2-chloroethyl)ether	80.0	79.1	99	55-120	
Bis(2-ethylhexyl) phthalate	80.0	107	134	60-150	
Butyl benzyl phthalate	80.0	101	126	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84291.D

Lab ID: LCS 460-965454/17-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Caprolactam	40.0	11.2	28	10-120	
Carbazole	80.0	92.7	116	65-129	
Chrysene	80.0	89.4	112	63-127	
Dibenz(a,h)anthracene	80.0	85.2	107	62-150	
Dibenzofuran	80.0	82.5	103	58-132	
Diethyl phthalate	80.0	87.8	110	70-129	
Dimethyl phthalate	80.0	88.7	111	72-131	
Di-n-butyl phthalate	80.0	99.2	124	66-133	
Di-n-octyl phthalate	80.0	104	130	36-150	
Fluoranthene	80.0	94.3	118	65-130	
Fluorene	80.0	88.0	110	63-133	
Hexachlorobenzene	80.0	84.1	105	61-142	
Hexachlorobutadiene	80.0	37.6	47	21-120	
Hexachlorocyclopentadiene	80.0	21.2	26	14-135	
Hexachloroethane	80.0	37.3	47	16-120	
Indeno[1,2,3-cd]pyrene	80.0	95.4	119	65-150	
Isophorone	80.0	89.6	112	61-121	
Naphthalene	80.0	58.3	73	43-120	
Nitrobenzene	80.0	88.1	110	64-120	
N-Nitrosodi-n-propylamine	80.0	91.9	115	53-120	
N-Nitrosodiphenylamine	80.0	84.1	105	63-120	
Pentachlorophenol	160	171	107	51-150	
Phenanthrene	80.0	87.6	110	65-120	
Phenol	80.0	32.2	40	17-120	
Pyrene	80.0	91.9	115	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49371.d

Lab ID: LCS 460-965565/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1'-Biphenyl	80.0	62.6	78	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	63.9	80	46-136	
2,2'-oxybis[1-chloropropane]	80.0	57.0	71	19-132	
2,3,4,6-Tetrachlorophenol	80.0	65.1	81	66-143	
2,4,5-Trichlorophenol	80.0	63.9	80	67-131	
2,4,6-Trichlorophenol	80.0	66.7	83	68-134	
2,4-Dichlorophenol	80.0	60.7	76	65-120	
2,4-Dimethylphenol	80.0	43.8	55	58-120	*
2,4-Dinitrophenol	160	129	80	39-120	
2,4-Dinitrotoluene	80.0	66.1	83	68-146	
2,6-Dinitrotoluene	80.0	66.1	83	74-141	
2-Chloronaphthalene	80.0	62.3	78	52-131	
2-Chlorophenol	80.0	54.0	67	53-120	
2-Methylnaphthalene	80.0	63.0	79	44-120	
2-Methylphenol	80.0	48.1	60	44-120	
2-Nitroaniline	80.0	60.2	75	44-148	
2-Nitrophenol	80.0	62.2	78	60-125	
3,3'-Dichlorobenzidine	80.0	69.7	87	56-137	
3-Nitroaniline	80.0	47.8	60	54-120	
4,6-Dinitro-2-methylphenol	160	143	90	64-150	
4-Bromophenyl phenyl ether	80.0	61.8	77	62-136	
4-Chloro-3-methylphenol	80.0	57.9	72	61-120	
4-Chloroaniline	80.0	45.6	57	51-127	
4-Chlorophenyl phenyl ether	80.0	62.3	78	59-135	
4-Methylphenol	80.0	43.8	55	37-120	
4-Nitroaniline	80.0	56.3	70	52-141	
4-Nitrophenol	160	65.3	41	10-120	
Acenaphthene	80.0	62.5	78	57-132	
Acenaphthylene	80.0	58.7	73	54-120	
Acetophenone	80.0	60.3	75	62-120	
Anthracene	80.0	61.8	77	65-120	
Atrazine	40.0	56.6	142	10-150	
Benzaldehyde	40.0	47.9	120	10-150	
Benzo[a]anthracene	80.0	69.6	87	67-132	
Benzo[a]pyrene	80.0	72.9	91	60-126	
Benzo[b]fluoranthene	80.0	68.1	85	66-136	
Benzo[g,h,i]perylene	80.0	63.0	79	59-150	
Benzo[k]fluoranthene	80.0	67.5	84	64-135	
Bis(2-chloroethoxy)methane	80.0	59.6	74	60-120	
Bis(2-chloroethyl)ether	80.0	59.1	74	55-120	
Bis(2-ethylhexyl) phthalate	80.0	75.4	94	60-150	
Butyl benzyl phthalate	80.0	76.6	96	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49371.d

Lab ID: LCS 460-965565/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Caprolactam	40.0	15.9	40	10-120	
Carbazole	80.0	63.7	80	65-129	
Chrysene	80.0	68.4	85	63-127	
Dibenz(a,h)anthracene	80.0	69.8	87	62-150	
Dibenzofuran	80.0	62.4	78	58-132	
Diethyl phthalate	80.0	64.4	80	70-129	
Dimethyl phthalate	80.0	63.6	80	72-131	
Di-n-butyl phthalate	80.0	73.5	92	66-133	
Di-n-octyl phthalate	80.0	73.0	91	36-150	
Fluoranthene	80.0	65.8	82	65-130	
Fluorene	80.0	61.8	77	63-133	
Hexachlorobenzene	80.0	64.5	81	61-142	
Hexachlorobutadiene	80.0	62.6	78	21-120	
Hexachlorocyclopentadiene	80.0	37.2	46	14-135	
Hexachloroethane	80.0	56.8	71	16-120	
Indeno[1,2,3-cd]pyrene	80.0	75.8	95	65-150	
Isophorone	80.0	61.9	77	61-121	
Naphthalene	80.0	60.0	75	43-120	
Nitrobenzene	80.0	60.5	76	64-120	
N-Nitrosodi-n-propylamine	80.0	60.6	76	53-120	
N-Nitrosodiphenylamine	80.0	62.5	78	63-120	
Pentachlorophenol	160	136	85	51-150	
Phenanthrene	80.0	62.1	78	65-120	
Phenol	80.0	28.4	35	17-120	
Pyrene	80.0	65.5	82	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84292.D

Lab ID: LCSD 460-965454/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	68.1	85	0	30	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	57.6	72	1	30	46-136	
2,2'-oxybis[1-chloropropane]	80.0	79.8	100	3	30	19-132	
2,3,4,6-Tetrachlorophenol	80.0	77.2	97	2	30	66-143	
2,4,5-Trichlorophenol	80.0	72.7	91	1	30	67-131	
2,4,6-Trichlorophenol	80.0	77.3	97	0	30	68-134	
2,4-Dichlorophenol	80.0	71.7	90	0	30	65-120	
2,4-Dimethylphenol	80.0	51.3	64	1	30	58-120	
2,4-Dinitrophenol	160	153	96	2	30	39-120	
2,4-Dinitrotoluene	80.0	105	131	1	30	68-146	
2,6-Dinitrotoluene	80.0	92.4	116	1	30	74-141	
2-Chloronaphthalene	80.0	65.1	81	1	30	52-131	
2-Chlorophenol	80.0	62.0	77	1	30	53-120	
2-Methylnaphthalene	80.0	59.6	74	2	30	44-120	
2-Methylphenol	80.0	58.4	73	3	30	44-120	
2-Nitroaniline	80.0	96.5	121	3	30	44-148	
2-Nitrophenol	80.0	76.0	95	1	30	60-125	
3,3'-Dichlorobenzidine	80.0	88.7	111	1	30	56-137	
3-Nitroaniline	80.0	69.4	87	0	30	54-120	
4,6-Dinitro-2-methylphenol	160	164	102	0	30	64-150	
4-Bromophenyl phenyl ether	80.0	76.2	95	3	30	62-136	
4-Chloro-3-methylphenol	80.0	69.0	86	0	30	61-120	
4-Chloroaniline	80.0	65.3	82	1	30	51-127	
4-Chlorophenyl phenyl ether	80.0	83.6	105	0	30	59-135	
4-Methylphenol	80.0	51.0	64	1	30	37-120	
4-Nitroaniline	80.0	87.0	109	2	30	52-141	
4-Nitrophenol	160	83.0	52	3	30	10-120	
Acenaphthene	80.0	82.6	103	1	30	57-132	
Acenaphthylene	80.0	73.7	92	0	30	54-120	
Acetophenone	80.0	91.8	115	2	30	62-120	
Anthracene	80.0	87.9	110	2	30	65-120	
Atrazine	40.0	52.4	131	1	30	10-150	
Benzaldehyde	40.0	48.7	122	4	30	10-150	
Benzo[a]anthracene	80.0	92.2	115	0	30	67-132	
Benzo[a]pyrene	80.0	91.5	114	0	30	60-126	
Benzo[b]fluoranthene	80.0	88.2	110	1	30	66-136	
Benzo[g,h,i]perylene	80.0	81.0	101	1	30	59-150	
Benzo[k]fluoranthene	80.0	89.6	112	0	30	64-135	
Bis(2-chloroethoxy)methane	80.0	80.6	101	1	30	60-120	
Bis(2-chloroethyl)ether	80.0	80.7	101	2	30	55-120	
Bis(2-ethylhexyl) phthalate	80.0	109	136	2	30	60-150	
Butyl benzyl phthalate	80.0	103	128	2	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84292.D

Lab ID: LCSD 460-965454/18-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	11.2	28	0	30	10-120	
Carbazole	80.0	91.8	115	1	30	65-129	
Chrysene	80.0	90.6	113	1	30	63-127	
Dibenz(a,h)anthracene	80.0	86.7	108	2	30	62-150	
Dibenzofuran	80.0	82.8	104	0	30	58-132	
Diethyl phthalate	80.0	88.9	111	1	30	70-129	
Dimethyl phthalate	80.0	89.3	112	1	30	72-131	
Di-n-butyl phthalate	80.0	98.5	123	1	30	66-133	
Di-n-octyl phthalate	80.0	105	131	1	30	36-150	
Fluoranthene	80.0	92.9	116	2	30	65-130	
Fluorene	80.0	87.2	109	1	30	63-133	
Hexachlorobenzene	80.0	81.4	102	3	30	61-142	
Hexachlorobutadiene	80.0	38.2	48	2	30	21-120	
Hexachlorocyclopentadiene	80.0	20.8	26	2	30	14-135	
Hexachloroethane	80.0	37.9	47	2	30	16-120	
Indeno[1,2,3-cd]pyrene	80.0	94.5	118	1	30	65-150	
Isophorone	80.0	88.5	111	1	30	61-121	
Naphthalene	80.0	58.0	72	1	30	43-120	
Nitrobenzene	80.0	88.0	110	0	30	64-120	
N-Nitrosodi-n-propylamine	80.0	93.0	116	1	30	53-120	
N-Nitrosodiphenylamine	80.0	82.9	104	2	30	63-120	
Pentachlorophenol	160	168	105	2	30	51-150	
Phenanthrene	80.0	88.0	110	0	30	65-120	
Phenol	80.0	32.7	41	2	30	17-120	
Pyrene	80.0	92.3	115	0	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49372.d

Lab ID: LCSD 460-965565/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	80.0	62.8	79	0	30	53-131	
1,2,4,5-Tetrachlorobenzene	80.0	64.0	80	0	30	46-136	
2,2'-oxybis[1-chloropropane]	80.0	57.1	71	0	30	19-132	
2,3,4,6-Tetrachlorophenol	80.0	64.5	81	1	30	66-143	
2,4,5-Trichlorophenol	80.0	63.4	79	1	30	67-131	
2,4,6-Trichlorophenol	80.0	66.7	83	0	30	68-134	
2,4-Dichlorophenol	80.0	60.6	76	0	30	65-120	
2,4-Dimethylphenol	80.0	43.7	55	0	30	58-120	*
2,4-Dinitrophenol	160	129	81	1	30	39-120	
2,4-Dinitrotoluene	80.0	65.4	82	1	30	68-146	
2,6-Dinitrotoluene	80.0	65.2	81	1	30	74-141	
2-Chloronaphthalene	80.0	63.0	79	1	30	52-131	
2-Chlorophenol	80.0	53.5	67	1	30	53-120	
2-Methylnaphthalene	80.0	62.6	78	1	30	44-120	
2-Methylphenol	80.0	47.4	59	2	30	44-120	
2-Nitroaniline	80.0	59.9	75	0	30	44-148	
2-Nitrophenol	80.0	62.4	78	0	30	60-125	
3,3'-Dichlorobenzidine	80.0	72.6	91	4	30	56-137	
3-Nitroaniline	80.0	47.7	60	0	30	54-120	
4,6-Dinitro-2-methylphenol	160	143	90	0	30	64-150	
4-Bromophenyl phenyl ether	80.0	62.1	78	0	30	62-136	
4-Chloro-3-methylphenol	80.0	57.3	72	1	30	61-120	
4-Chloroaniline	80.0	45.0	56	1	30	51-127	
4-Chlorophenyl phenyl ether	80.0	62.9	79	1	30	59-135	
4-Methylphenol	80.0	42.9	54	2	30	37-120	
4-Nitroaniline	80.0	57.1	71	1	30	52-141	
4-Nitrophenol	160	64.5	40	1	30	10-120	
Acenaphthene	80.0	62.2	78	0	30	57-132	
Acenaphthylene	80.0	58.9	74	0	30	54-120	
Acetophenone	80.0	60.1	75	0	30	62-120	
Anthracene	80.0	62.3	78	1	30	65-120	
Atrazine	40.0	57.3	143	1	30	10-150	
Benzaldehyde	40.0	47.8	120	0	30	10-150	
Benzo[a]anthracene	80.0	70.4	88	1	30	67-132	
Benzo[a]pyrene	80.0	72.7	91	0	30	60-126	
Benzo[b]fluoranthene	80.0	68.0	85	0	30	66-136	
Benzo[g,h,i]perylene	80.0	63.7	80	1	30	59-150	
Benzo[k]fluoranthene	80.0	67.1	84	1	30	64-135	
Bis(2-chloroethoxy)methane	80.0	59.5	74	0	30	60-120	
Bis(2-chloroethyl)ether	80.0	59.5	74	1	30	55-120	
Bis(2-ethylhexyl) phthalate	80.0	75.6	95	0	30	60-150	
Butyl benzyl phthalate	80.0	76.2	95	1	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49372.d

Lab ID: LCSD 460-965565/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	15.1	38	5	30	10-120	
Carbazole	80.0	64.3	80	1	30	65-129	
Chrysene	80.0	69.1	86	1	30	63-127	
Dibenz(a,h)anthracene	80.0	71.0	89	2	30	62-150	
Dibenzofuran	80.0	62.1	78	1	30	58-132	
Diethyl phthalate	80.0	64.1	80	0	30	70-129	
Dimethyl phthalate	80.0	63.1	79	1	30	72-131	
Di-n-butyl phthalate	80.0	74.6	93	1	30	66-133	
Di-n-octyl phthalate	80.0	72.0	90	1	30	36-150	
Fluoranthene	80.0	66.8	83	2	30	65-130	
Fluorene	80.0	61.4	77	1	30	63-133	
Hexachlorobenzene	80.0	65.4	82	1	30	61-142	
Hexachlorobutadiene	80.0	62.6	78	0	30	21-120	
Hexachlorocyclopentadiene	80.0	38.2	48	3	30	14-135	
Hexachloroethane	80.0	57.4	72	1	30	16-120	
Indeno[1,2,3-cd]pyrene	80.0	76.5	96	1	30	65-150	
Isophorone	80.0	61.3	77	1	30	61-121	
Naphthalene	80.0	59.5	74	1	30	43-120	
Nitrobenzene	80.0	60.4	76	0	30	64-120	
N-Nitrosodi-n-propylamine	80.0	60.5	76	0	30	53-120	
N-Nitrosodiphenylamine	80.0	63.3	79	1	30	63-120	
Pentachlorophenol	160	137	86	1	30	51-150	
Phenanthrene	80.0	62.2	78	0	30	65-120	
Phenol	80.0	28.5	36	0	30	17-120	
Pyrene	80.0	64.7	81	1	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84282.D

Lab ID: 460-300484-D-2-C MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	40.0	10 U	46.0	115	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	10 U	42.5	106	46-136	
2,2'-oxybis[1-chloropropane]	40.0	10 U	45.9	115	19-132	
2,3,4,6-Tetrachlorophenol	40.0	10 U	48.9	122	66-143	
2,4,5-Trichlorophenol	40.0	10 U	46.4	116	67-131	
2,4,6-Trichlorophenol	40.0	10 U	49.4	124	68-134	
2,4-Dichlorophenol	40.0	1.2 J	47.9	117	65-120	
2,4-Dimethylphenol	40.0	10 U	32.0	80	58-120	
2,4-Dinitrophenol	80.0	40 U	107	133	39-120	*
2,4-Dinitrotoluene	40.0	10 U	59.0	147	68-146	*
2,6-Dinitrotoluene	40.0	2.0 U	51.7	129	74-141	
2-Chloronaphthalene	40.0	10 U	43.8	109	52-131	
2-Chlorophenol	40.0	9.4 J	48.6	98	53-120	
2-Methylnaphthalene	40.0	10 U	45.5	114	44-120	
2-Methylphenol	40.0	10 U	39.2	98	44-120	
2-Nitroaniline	40.0	10 U	56.4	141	44-148	
2-Nitrophenol	40.0	10 U	48.0	120	60-125	
3,3'-Dichlorobenzidine	40.0	10 U	10 U	0	56-137	*
3-Nitroaniline	40.0	10 U	29.6	74	54-120	
4,6-Dinitro-2-methylphenol	80.0	20 U	106	133	64-150	
4-Bromophenyl phenyl ether	40.0	10 U	43.5	109	62-136	
4-Chloro-3-methylphenol	40.0	10 U	46.6	116	61-120	
4-Chloroaniline	40.0	10 U	5.53 J	14	51-127	*
4-Chlorophenyl phenyl ether	40.0	10 U	47.2	118	59-135	
4-Methylphenol	40.0	10 U	35.8	89	37-120	
4-Nitroaniline	40.0	10 U	47.7	119	52-141	
4-Nitrophenol	80.0	20 U	68.1	85	10-120	
Acenaphthene	40.0	10 U	50.6	127	57-132	
Acenaphthylene	40.0	10 U	45.1	113	54-120	
Acetophenone	40.0	10 U	48.4	121	62-120	*
Anthracene	40.0	10 U	49.0	123	65-120	*
Atrazine	40.0	2.0 U	75.4	188	10-150	E *
Benzaldehyde	40.0	10 U	74.4	186	10-150	E *
Benzo[a]anthracene	40.0	1.0 U	51.2	128	67-132	
Benzo[a]pyrene	40.0	1.0 U	51.3	128	60-126	*
Benzo[b]fluoranthene	40.0	2.0 U	48.9	122	66-136	
Benzo[g,h,i]perylene	40.0	10 U	44.2	110	59-150	
Benzo[k]fluoranthene	40.0	1.0 U	49.0	122	64-135	
Bis(2-chloroethoxy)methane	40.0	10 U	46.1	115	60-120	
Bis(2-chloroethyl)ether	40.0	1.0 U	44.9	112	55-120	
Bis(2-ethylhexyl) phthalate	40.0	2.0 U	64.6	161	60-150	*
Butyl benzyl phthalate	40.0	10 U	59.4	148	63-147	*

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84282.D

Lab ID: 460-300484-D-2-C MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	40.0	10 U	20.1	50	10-120	
Carbazole	40.0	10 U	50.1	125	65-129	
Chrysene	40.0	2.0 U	50.9	127	63-127	
Dibenz(a,h)anthracene	40.0	1.0 U	45.8	115	62-150	
Dibenzofuran	40.0	10 U	48.9	122	58-132	
Diethyl phthalate	40.0	10 U	50.2	126	70-129	
Dimethyl phthalate	40.0	10 U	50.5	126	72-131	
Di-n-butyl phthalate	40.0	10 U	55.1	138	66-133	*
Di-n-octyl phthalate	40.0	10 U	61.3	153	36-150	*
Fluoranthene	40.0	10 U	52.4	131	65-130	*
Fluorene	40.0	10 U	50.0	125	63-133	
Hexachlorobenzene	40.0	1.0 U	46.5	116	61-142	
Hexachlorobutadiene	40.0	1.0 U	33.3	83	21-120	
Hexachlorocyclopentadiene	40.0	10 U	23.0	58	14-135	
Hexachloroethane	40.0	2.0 U	31.6	79	16-120	
Indeno[1,2,3-cd]pyrene	40.0	2.0 U	51.5	129	65-150	
Isophorone	40.0	10 U	50.5	126	61-121	*
Naphthalene	40.0	8.0	46.3	96	43-120	
Nitrobenzene	40.0	1.0 U	48.7	122	64-120	*
N-Nitrosodi-n-propylamine	40.0	1.0 U	50.5	126	53-120	*
N-Nitrosodiphenylamine	40.0	10 U	46.9	117	63-120	
Pentachlorophenol	80.0	20 U	106	133	51-150	
Phenanthrene	40.0	10 U	49.0	123	65-120	*
Phenol	40.0	10 U	23.2	58	17-120	
Pyrene	40.0	10 U	52.3	131	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49385.d

Lab ID: 460-300522-E-4-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
1,1'-Biphenyl	40.0	10 U	38.7	97	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	10 U	39.7	99	46-136	
2,2'-oxybis[1-chloropropane]	40.0	10 U	36.1	90	19-132	
2,3,4,6-Tetrachlorophenol	40.0	10 U	39.0	98	66-143	
2,4,5-Trichlorophenol	40.0	10 U	37.4	94	67-131	
2,4,6-Trichlorophenol	40.0	10 U	39.7	99	68-134	
2,4-Dichlorophenol	40.0	10 U	36.4	91	65-120	
2,4-Dimethylphenol	40.0	10 U	24.9	62	58-120	
2,4-Dinitrophenol	80.0	40 U	80.4	100	39-120	
2,4-Dinitrotoluene	40.0	10 U	41.0	102	68-146	
2,6-Dinitrotoluene	40.0	2.0 U	40.4	101	74-141	
2-Chloronaphthalene	40.0	10 U	38.3	96	52-131	
2-Chlorophenol	40.0	10 U	32.0	80	53-120	
2-Methylnaphthalene	40.0	10 U	39.2	98	44-120	
2-Methylphenol	40.0	10 U	25.2	63	44-120	
2-Nitroaniline	40.0	10 U	37.5	94	44-148	
2-Nitrophenol	40.0	10 U	38.7	97	60-125	
3,3'-Dichlorobenzidine	40.0	10 U	29.0	72	56-137	
3-Nitroaniline	40.0	10 U	29.9	75	54-120	
4,6-Dinitro-2-methylphenol	80.0	20 U	85.9	107	64-150	
4-Bromophenyl phenyl ether	40.0	10 U	37.6	94	62-136	
4-Chloro-3-methylphenol	40.0	10 U	32.8	82	61-120	
4-Chloroaniline	40.0	10 U	26.6	66	51-127	
4-Chlorophenyl phenyl ether	40.0	10 U	38.6	97	59-135	
4-Methylphenol	40.0	10 U	21.8	55	37-120	
4-Nitroaniline	40.0	10 U	32.5	81	52-141	
4-Nitrophenol	80.0	20 U	27.3	34	10-120	
Acenaphthene	40.0	10 U	39.0	97	57-132	
Acenaphthylene	40.0	10 U	36.7	92	54-120	
Acetophenone	40.0	10 U	36.8	92	62-120	
Anthracene	40.0	10 U	38.1	95	65-120	
Atrazine	40.0	2.0 U	45.1	113	10-150	
Benzaldehyde	40.0	10 U	40.1	100	10-150	E
Benzo[a]anthracene	40.0	1.0 U	42.8	107	67-132	
Benzo[a]pyrene	40.0	1.0 U	44.3	111	60-126	
Benzo[b]fluoranthene	40.0	2.0 U	41.1	103	66-136	
Benzo[g,h,i]perylene	40.0	10 U	39.3	98	59-150	
Benzo[k]fluoranthene	40.0	1.0 U	40.2	100	64-135	
Bis(2-chloroethoxy)methane	40.0	10 U	37.2	93	60-120	
Bis(2-chloroethyl)ether	40.0	1.0 U	38.0	95	55-120	
Bis(2-ethylhexyl) phthalate	40.0	2.0 U	48.7	122	60-150	
Butyl benzyl phthalate	40.0	10 U	49.6	124	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49385.d

Lab ID: 460-300522-E-4-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC	QC LIMITS REC	#
Caprolactam	40.0	10 U	9.66 J	24	10-120	
Carbazole	40.0	10 U	38.7	97	65-129	
Chrysene	40.0	2.0 U	42.4	106	63-127	
Dibenz(a,h)anthracene	40.0	1.0 U	41.8	105	62-150	
Dibenzofuran	40.0	10 U	38.7	97	58-132	
Diethyl phthalate	40.0	10 U	39.9	100	70-129	
Dimethyl phthalate	40.0	10 U	39.8	100	72-131	
Di-n-butyl phthalate	40.0	10 U	46.2	116	66-133	
Di-n-octyl phthalate	40.0	10 U	45.9	115	36-150	
Fluoranthene	40.0	10 U	40.2	100	65-130	
Fluorene	40.0	10 U	38.2	96	63-133	
Hexachlorobenzene	40.0	1.0 U	40.0	100	61-142	
Hexachlorobutadiene	40.0	1.0 U	39.7	99	21-120	
Hexachlorocyclopentadiene	40.0	10 U	23.4	58	14-135	
Hexachloroethane	40.0	2.0 U	36.6	91	16-120	
Indeno[1,2,3-cd]pyrene	40.0	2.0 U	47.2	118	65-150	
Isophorone	40.0	10 U	38.9	97	61-121	
Naphthalene	40.0	2.0 U	38.1	95	43-120	
Nitrobenzene	40.0	1.0 U	37.8	95	64-120	
N-Nitrosodi-n-propylamine	40.0	1.0 U	36.7	92	53-120	
N-Nitrosodiphenylamine	40.0	10 U	38.6	96	63-120	
Pentachlorophenol	80.0	20 U	84.3	105	51-150	
Phenanthrene	40.0	10 U	38.4	96	65-120	
Phenol	40.0	10 U	13.3	33	17-120	
Pyrene	40.0	10 U	41.5	104	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84283.D

Lab ID: 460-300484-E-2-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	40.0	44.7	112	3	30	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	40.8	102	4	30	46-136	
2,2'-oxybis[1-chloropropane]	40.0	44.7	112	3	30	19-132	
2,3,4,6-Tetrachlorophenol	40.0	47.6	119	3	30	66-143	
2,4,5-Trichlorophenol	40.0	44.9	112	3	30	67-131	
2,4,6-Trichlorophenol	40.0	47.0	118	5	30	68-134	
2,4-Dichlorophenol	40.0	46.8	114	2	30	65-120	
2,4-Dimethylphenol	40.0	31.7	79	1	30	58-120	
2,4-Dinitrophenol	80.0	100	125	6	30	39-120	*
2,4-Dinitrotoluene	40.0	57.2	143	3	30	68-146	
2,6-Dinitrotoluene	40.0	51.4	129	1	30	74-141	
2-Chloronaphthalene	40.0	42.4	106	3	30	52-131	
2-Chlorophenol	40.0	49.9	101	3	30	53-120	
2-Methylnaphthalene	40.0	45.0	112	1	30	44-120	
2-Methylphenol	40.0	39.4	99	1	30	44-120	
2-Nitroaniline	40.0	52.5	131	7	30	44-148	
2-Nitrophenol	40.0	45.5	114	5	30	60-125	
3,3'-Dichlorobenzidine	40.0	10 U	0	NC	30	56-137	*
3-Nitroaniline	40.0	35.5	89	18	30	54-120	
4,6-Dinitro-2-methylphenol	80.0	102	127	4	30	64-150	
4-Bromophenyl phenyl ether	40.0	42.3	106	3	30	62-136	
4-Chloro-3-methylphenol	40.0	46.4	116	0	30	61-120	
4-Chloroaniline	40.0	11.3	28	68	30	51-127	*
4-Chlorophenyl phenyl ether	40.0	45.4	113	4	30	59-135	
4-Methylphenol	40.0	36.4	91	2	30	37-120	
4-Nitroaniline	40.0	43.7	109	9	30	52-141	
4-Nitrophenol	80.0	66.2	83	3	30	10-120	
Acenaphthene	40.0	48.6	122	4	30	57-132	
Acenaphthylene	40.0	43.8	109	3	30	54-120	
Acetophenone	40.0	47.6	119	2	30	62-120	
Anthracene	40.0	48.2	120	2	30	65-120	
Atrazine	40.0	58.6	147	25	30	10-150	E
Benzaldehyde	40.0	59.1	148	23	30	10-150	E
Benzo[a]anthracene	40.0	49.3	123	4	30	67-132	
Benzo[a]pyrene	40.0	49.6	124	3	30	60-126	
Benzo[b]fluoranthene	40.0	47.4	119	3	30	66-136	
Benzo[g,h,i]perylene	40.0	42.4	106	4	30	59-150	
Benzo[k]fluoranthene	40.0	47.0	117	4	30	64-135	
Bis(2-chloroethoxy)methane	40.0	44.9	112	3	30	60-120	
Bis(2-chloroethyl)ether	40.0	45.0	112	0	30	55-120	
Bis(2-ethylhexyl) phthalate	40.0	62.1	155	4	30	60-150	*
Butyl benzyl phthalate	40.0	58.3	146	2	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: P84283.D

Lab ID: 460-300484-E-2-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	16.2	41	21	30	10-120	
Carbazole	40.0	48.8	122	3	30	65-129	
Chrysene	40.0	49.8	125	2	30	63-127	
Dibenz(a,h)anthracene	40.0	44.3	111	3	30	62-150	
Dibenzofuran	40.0	47.7	119	3	30	58-132	
Diethyl phthalate	40.0	48.9	122	3	30	70-129	
Dimethyl phthalate	40.0	48.4	121	4	30	72-131	
Di-n-butyl phthalate	40.0	53.5	134	3	30	66-133	*
Di-n-octyl phthalate	40.0	58.9	147	4	30	36-150	
Fluoranthene	40.0	50.2	125	4	30	65-130	
Fluorene	40.0	48.0	120	4	30	63-133	
Hexachlorobenzene	40.0	44.9	112	4	30	61-142	
Hexachlorobutadiene	40.0	33.4	83	0	30	21-120	
Hexachlorocyclopentadiene	40.0	23.2	58	1	30	14-135	
Hexachloroethane	40.0	31.7	79	0	30	16-120	
Indeno[1,2,3-cd]pyrene	40.0	49.6	124	4	30	65-150	
Isophorone	40.0	50.2	126	1	30	61-121	*
Naphthalene	40.0	49.2	103	6	30	43-120	
Nitrobenzene	40.0	47.5	119	3	30	64-120	
N-Nitrosodi-n-propylamine	40.0	48.8	122	3	30	53-120	*
N-Nitrosodiphenylamine	40.0	45.8	115	2	30	63-120	
Pentachlorophenol	80.0	102	128	4	30	51-150	
Phenanthrene	40.0	47.9	120	2	30	65-120	
Phenol	40.0	23.3	58	1	30	17-120	
Pyrene	40.0	51.2	128	2	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49386.d

Lab ID: 460-300522-E-4-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1'-Biphenyl	40.0	38.1	95	1	30	53-131	
1,2,4,5-Tetrachlorobenzene	40.0	38.4	96	3	30	46-136	
2,2'-oxybis[1-chloropropane]	40.0	36.6	92	1	30	19-132	
2,3,4,6-Tetrachlorophenol	40.0	39.5	99	1	30	66-143	
2,4,5-Trichlorophenol	40.0	37.4	94	0	30	67-131	
2,4,6-Trichlorophenol	40.0	39.5	99	0	30	68-134	
2,4-Dichlorophenol	40.0	36.2	91	1	30	65-120	
2,4-Dimethylphenol	40.0	25.1	63	1	30	58-120	
2,4-Dinitrophenol	80.0	85.9	107	7	30	39-120	
2,4-Dinitrotoluene	40.0	42.3	106	3	30	68-146	
2,6-Dinitrotoluene	40.0	41.8	104	3	30	74-141	
2-Chloronaphthalene	40.0	38.0	95	1	30	52-131	
2-Chlorophenol	40.0	31.6	79	1	30	53-120	
2-Methylnaphthalene	40.0	39.0	98	0	30	44-120	
2-Methylphenol	40.0	26.2	66	4	30	44-120	
2-Nitroaniline	40.0	38.0	95	1	30	44-148	
2-Nitrophenol	40.0	37.8	94	2	30	60-125	
3,3'-Dichlorobenzidine	40.0	29.3	73	1	30	56-137	
3-Nitroaniline	40.0	31.2	78	4	30	54-120	
4,6-Dinitro-2-methylphenol	80.0	85.4	107	1	30	64-150	
4-Bromophenyl phenyl ether	40.0	35.7	89	5	30	62-136	
4-Chloro-3-methylphenol	40.0	33.4	83	2	30	61-120	
4-Chloroaniline	40.0	27.1	68	2	30	51-127	
4-Chlorophenyl phenyl ether	40.0	39.2	98	2	30	59-135	
4-Methylphenol	40.0	23.0	58	5	30	37-120	
4-Nitroaniline	40.0	34.1	85	5	30	52-141	
4-Nitrophenol	80.0	29.9	37	9	30	10-120	
Acenaphthene	40.0	38.9	97	0	30	57-132	
Acenaphthylene	40.0	36.3	91	1	30	54-120	
Acetophenone	40.0	38.2	96	4	30	62-120	
Anthracene	40.0	37.5	94	1	30	65-120	
Atrazine	40.0	50.7	127	12	30	10-150	
Benzaldehyde	40.0	43.6	109	8	30	10-150	E
Benzo[a]anthracene	40.0	42.4	106	1	30	67-132	
Benzo[a]pyrene	40.0	43.4	108	2	30	60-126	
Benzo[b]fluoranthene	40.0	40.3	101	2	30	66-136	
Benzo[g,h,i]perylene	40.0	37.5	94	5	30	59-150	
Benzo[k]fluoranthene	40.0	39.8	100	1	30	64-135	
Bis(2-chloroethoxy)methane	40.0	36.9	92	1	30	60-120	
Bis(2-chloroethyl)ether	40.0	36.8	92	3	30	55-120	
Bis(2-ethylhexyl) phthalate	40.0	49.1	123	1	30	60-150	
Butyl benzyl phthalate	40.0	48.3	121	3	30	63-147	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: N49386.d

Lab ID: 460-300522-E-4-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Caprolactam	40.0	12.5	31	26	30	10-120	
Carbazole	40.0	38.2	95	1	30	65-129	
Chrysene	40.0	41.6	104	2	30	63-127	
Dibenz(a,h)anthracene	40.0	41.3	103	1	30	62-150	
Dibenzofuran	40.0	38.9	97	0	30	58-132	
Diethyl phthalate	40.0	41.9	105	5	30	70-129	
Dimethyl phthalate	40.0	40.3	101	1	30	72-131	
Di-n-butyl phthalate	40.0	46.3	116	0	30	66-133	
Di-n-octyl phthalate	40.0	47.0	117	2	30	36-150	
Fluoranthene	40.0	41.0	102	2	30	65-130	
Fluorene	40.0	38.9	97	2	30	63-133	
Hexachlorobenzene	40.0	37.6	94	6	30	61-142	
Hexachlorobutadiene	40.0	38.9	97	2	30	21-120	
Hexachlorocyclopentadiene	40.0	22.3	56	5	30	14-135	
Hexachloroethane	40.0	37.8	94	3	30	16-120	
Indeno[1,2,3-cd]pyrene	40.0	45.5	114	4	30	65-150	
Isophorone	40.0	38.7	97	1	30	61-121	
Naphthalene	40.0	37.3	93	2	30	43-120	
Nitrobenzene	40.0	38.6	96	2	30	64-120	
N-Nitrosodi-n-propylamine	40.0	38.5	96	5	30	53-120	
N-Nitrosodiphenylamine	40.0	36.7	92	5	30	63-120	
Pentachlorophenol	80.0	82.6	103	2	30	51-150	
Phenanthrene	40.0	37.4	94	3	30	65-120	
Phenol	40.0	13.7	34	3	30	17-120	
Pyrene	40.0	39.9	100	4	30	56-144	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: P84272.D Lab Sample ID: MB 460-965454/1-A

Matrix: Water Date Extracted: 03/22/2024 09:13

Instrument ID: CBNAMS18 Date Analyzed: 03/22/2024 13:30

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-15	460-300430-2	P84278.D	03/22/2024 15:37
MW-13	460-300430-3	P84279.D	03/22/2024 15:59
	460-300484-D-2-C MS	P84282.D	03/22/2024 17:03
	460-300484-E-2-C MSD	P84283.D	03/22/2024 17:24
	LCS 460-965454/17-A	P84291.D	03/22/2024 23:41
	LCSD 460-965454/18-A	P84292.D	03/23/2024 00:11

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: N49370.d Lab Sample ID: MB 460-965565/1-A

Matrix: Water Date Extracted: 03/23/2024 07:39

Instrument ID: CBNAMS14 Date Analyzed: 03/23/2024 16:10

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-965565/2-A	N49371.d	03/23/2024 16:32
	LCSD 460-965565/3-A	N49372.d	03/23/2024 16:56
MW-18R	460-300430-1	N49373.d	03/23/2024 17:18
	460-300522-E-4-B MS	N49385.d	03/23/2024 21:34
	460-300522-E-4-C MSD	N49386.d	03/23/2024 21:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: N48922.d DFTPP Injection Date: 03/04/2024

Instrument ID: CBNAMS14 DFTPP Injection Time: 10:03

Analysis Batch No.: 962239

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.0	(0.0) 1
69	Present	45.0	
70	Less than 2% of m/z 69	0.3	(0.6) 1
197	Less than 2% of m/z 198	0.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.9	
365	Greater than 1% of Base Peak	4.8	
441	Less than 150% of m/z 443	31.0	(82.5) 3
442	Present	193.5	
443	15-24% of m/z 442	37.6	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-962239/2	N48924.d	03/04/2024	10:25
	STD24 460-962239/3	N48926.d	03/04/2024	11:09
	STD16 460-962239/4	N48928.d	03/04/2024	11:52
	STD4 460-962239/5	N48930.d	03/04/2024	12:35
	STD2 460-962239/6	N48932.d	03/04/2024	13:17
	STD1 460-962239/7	N48934.d	03/04/2024	14:00
	STD04 460-962239/8	N48936.d	03/04/2024	14:44
	STD02 460-962239/9	N48938.d	03/04/2024	15:28
	STD01 460-962239/10	N48940.d	03/04/2024	16:11
	ICV 460-962239/11	N48942.d	03/04/2024	16:55

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab File ID: P83864a.D DFTPP Injection Date: 03/04/2024

Instrument ID: CBNAMS18 DFTPP Injection Time: 11:06

Analysis Batch No.: 962246

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	0.8	(1.9) 1
69	Present	39.9	
70	Less than 2% of m/z 69	0.2	(0.4) 1
197	Less than 2% of m/z 198	1.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	6.8	
365	Greater than 1% of Base Peak	4.5	
441	Less than 150% of m/z 443	22.6	(81.6) 3
442	Present	135.3	
443	15-24% of m/z 442	27.6	(20.4) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-962246/2	P83865.D	03/04/2024	11:22
	STD24 460-962246/3	P83867.D	03/04/2024	12:05
	STD16 460-962246/4	P83869.D	03/04/2024	12:47
	STD4 460-962246/5	P83871.D	03/04/2024	13:30
	STD2 460-962246/6	P83873.D	03/04/2024	14:12
	STD1 460-962246/7	P83875.D	03/04/2024	14:54
	STD04 460-962246/8	P83877.D	03/04/2024	15:37
	STD02 460-962246/9	P83879.D	03/04/2024	16:19
	STD01 460-962246/10	P83881.D	03/04/2024	17:02
	ICV 460-962246/11	P83883.D	03/04/2024	17:44

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: ICIS 460-962239/2 Date Analyzed: 03/04/2024 10:25

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N48924.d Heated Purge: (Y/N) N

Calibration ID: 96170

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		633602	4.39	2174053	5.60	1046862	7.27
UPPER LIMIT		1267204	4.89	4348106	6.10	2093724	7.77
LOWER LIMIT		316801	3.89	1087027	5.10	523431	6.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962239/11		562274	4.38	1949182	5.60	922230	7.27

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: ICIS 460-962239/2 Date Analyzed: 03/04/2024 10:25

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N48924.d Heated Purge: (Y/N) N

Calibration ID: 96170

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1644476	8.68	1042469	11.30	1073792	13.18
UPPER LIMIT		3288952	9.18	2084938	11.80	2147584	13.68
LOWER LIMIT		822238	8.18	521235	10.80	536896	12.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962239/11		1431287	8.67	952235	11.30	1002492	13.18

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965598/2 Date Analyzed: 03/23/2024 15:26

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N49368.d Heated Purge: (Y/N) N

Calibration ID: 96170

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		739702	4.32	2417042	5.53	1096630	7.21
UPPER LIMIT		1479404	4.82	4834084	6.03	2193260	7.71
LOWER LIMIT		369851	3.82	1208521	5.03	548315	6.71
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965565/1-A		996862	4.32	3599143	5.53	1779576	7.20
LCS 460-965565/2-A		797290	4.32	2737825	5.54	1321509	7.21
LCSD 460-965565/3-A		769424	4.32	2658339	5.54	1261709	7.21
460-300430-1	MW-18R	865706	4.32	3086065	5.53	1525849	7.21
460-300522-E-4-B MS		909346	4.32	3081044	5.54	1495643	7.21
460-300522-E-4-C MSD		857484	4.32	3003173	5.54	1491721	7.21

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965598/2 Date Analyzed: 03/23/2024 15:26

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): N49368.d Heated Purge: (Y/N) N

Calibration ID: 96170

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1650152	8.61	1071201	11.23	1137453	13.09
UPPER LIMIT		3300304	9.11	2142402	11.73	2274906	13.59
LOWER LIMIT		825076	8.11	535601	10.73	568727	12.59
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965565/1-A		2994118	8.61	1675530	11.23	1725418	13.10
LCS 460-965565/2-A		2063503	8.61	1280686	11.24	1402070	13.10
LCSD 460-965565/3-A		1932532	8.62	1225377	11.24	1383920	13.10
460-300430-1	MW-18R	2552907	8.61	1494708	11.23	1568767	13.10
460-300522-E-4-B MS		2314503	8.62	1388917	11.24	1566932	13.10
460-300522-E-4-C MSD		2506257	8.62	1566361	11.24	1758109	13.10

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: ICIS 460-962246/2 Date Analyzed: 03/04/2024 11:22

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P83865.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		379005	4.25	1505123	5.46	782399	7.13
UPPER LIMIT		758010	4.75	3010246	5.96	1564798	7.63
LOWER LIMIT		189503	3.75	752562	4.96	391200	6.63
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962246/11		337142	4.24	1337583	5.46	716413	7.13

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: ICIS 460-962246/2 Date Analyzed: 03/04/2024 11:22

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P83865.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1324110	8.54	934782	11.13	948919	12.96
UPPER LIMIT		2648220	9.04	1869564	11.63	1897838	13.46
LOWER LIMIT		662055	8.04	467391	10.63	474460	12.46
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-962246/11		1198958	8.53	841450	11.13	829833	12.95

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965372/2 Date Analyzed: 03/22/2024 06:07

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84251.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		287860	4.14	1104197	5.36	586294	7.03
UPPER LIMIT		575720	4.64	2208394	5.86	1172588	7.53
LOWER LIMIT		143930	3.64	552099	4.86	293147	6.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965454/1-A		295902	4.13	1226488	5.36	703858	7.02
460-300430-2	MW-15	265506	4.13	1090536	5.36	614500	7.02
460-300430-3	MW-13	245372	4.13	995333	5.36	561400	7.02
460-300484-D-2-C MS		274224	4.13	1103466	5.35	601969	7.03
460-300484-E-2-C MSD		251654	4.13	1025077	5.35	569634	7.03

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965372/2 Date Analyzed: 03/22/2024 06:07

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84251.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1011315	8.43	799384	11.00	725843	12.78
UPPER LIMIT		2022630	8.93	1598768	11.50	1451686	13.28
LOWER LIMIT		505658	7.93	399692	10.50	362922	12.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965454/1-A		1305131	8.43	876030	11.00	880959	12.78
460-300430-2	MW-15	1115439	8.43	749188	11.00	722992	12.78
460-300430-3	MW-13	989225	8.42	671224	11.00	677903	12.78
460-300484-D-2-C MS		1068921	8.43	751931	11.00	744019	12.78
460-300484-E-2-C MSD		996805	8.43	687786	11.00	683092	12.78

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965547/2 Date Analyzed: 03/22/2024 22:34

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84288.D Heated Purge: (Y/N) N

Calibration ID: 96191

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		280285	4.13	1115018	5.36	602325	7.03
UPPER LIMIT		560570	4.63	2230036	5.86	1204650	7.53
LOWER LIMIT		140143	3.63	557509	4.86	301163	6.53
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965454/17-A		267156	4.13	1080561	5.36	592499	7.03
LCSD 460-965454/18-A		261565	4.13	1068234	5.36	578694	7.03

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965547/2 Date Analyzed: 03/22/2024 22:34

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): P84288.D Heated Purge: (Y/N) N

Calibration ID: 96191

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1041920	8.43	778527	11.01	721470	12.78
UPPER LIMIT		2083840	8.93	1557054	11.51	1442940	13.28
LOWER LIMIT		520960	7.93	389264	10.51	360735	12.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-965454/17-A		1048366	8.43	765831	11.00	737647	12.78
LCSD 460-965454/18-A		1029815	8.43	732373	11.01	716722	12.79

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: N49373.d

Analysis Method: 8270E | Date Collected: 03/20/2024 08:00

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 17:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U *	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: N49373.d

Analysis Method: 8270E | Date Collected: 03/20/2024 08:00

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 17:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: N49373.d

Analysis Method: 8270E | Date Collected: 03/20/2024 08:00

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 17:18

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	97		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	46		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	92		51-145
4165-62-2	Phenol-d5 (Surr)	31		10-56
1718-51-0	Terphenyl-d14 (Surr)	40		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49373.d
Lims ID: 460-300430-G-1-A
Client ID: MW-18R
Sample Type: Client
Inject. Date: 23-Mar-2024 17:18:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-007
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:39:38

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.101	3.098	0.003	97	678076	4.63	
$ 6 Phenol-d5	99	3.979	3.983	-0.004	94	537217	3.13	
* 14 1,4-Dichlorobenzene-d4	152	4.317	4.315	0.002	95	865706	8.00	
$ 27 Nitrobenzene-d5	82	4.844	4.849	-0.005	85	1309473	9.20	
* 38 Naphthalene-d8	136	5.534	5.533	0.001	99	3086065	8.00	
$ 51 2-Fluorobiphenyl	172	6.569	6.569	0.000	97	2526017	8.86	
* 64 Acenaphthene-d10	164	7.205	7.206	-0.001	95	1525849	8.00	
$ 80 2,4,6-Tribromophenol	330	7.954	7.955	-0.001	90	507764	9.74	
* 87 Phenanthrene-d10	188	8.611	8.614	-0.003	99	2552907	8.00	
$ 96 Terphenyl-d14	244	10.139	10.140	-0.001	97	943074	3.99	
* 102 Chrysene-d12	240	11.232	11.234	-0.002	99	1494708	8.00	
* 109 Perylene-d12	264	13.095	13.094	0.001	99	1568767	8.00	

QC Flag Legend
Processing Flags

Reagents:
sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

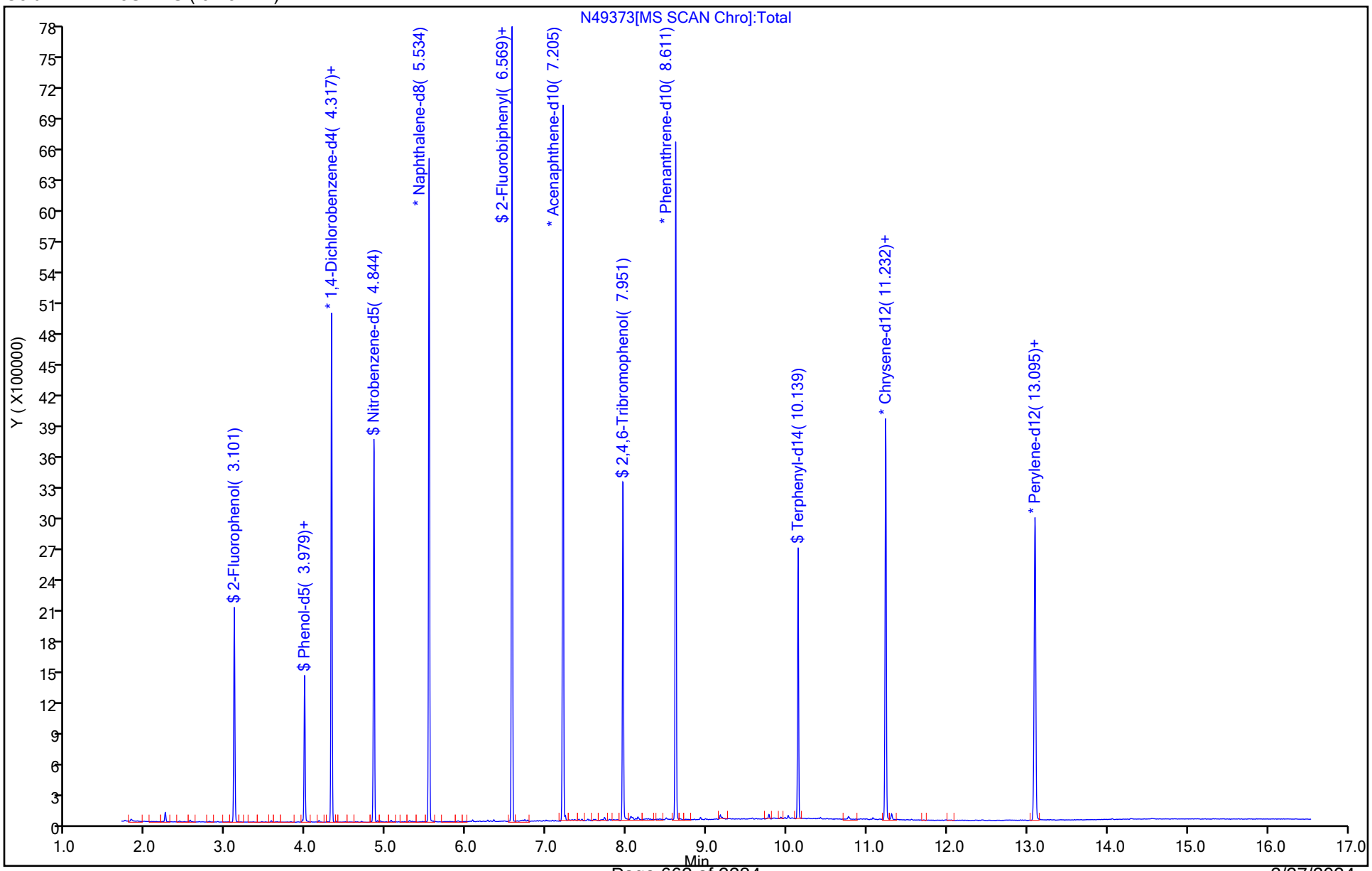
Report Date: 25-Mar-2024 07:58:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49373.d

Injection Date:	23-Mar-2024 17:18:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-300430-G-1-A	Lab Sample ID:	460-300430-1	Worklist Smp#:	7
Client ID:	MW-18R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49373.d
Lims ID: 460-300430-G-1-A
Client ID: MW-18R
Sample Type: Client
Inject. Date: 23-Mar-2024 17:18:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-007
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:39:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.63	46.33
$ 6 Phenol-d5	10.0	3.13	31.31
$ 27 Nitrobenzene-d5	10.0	9.20	91.96
$ 51 2-Fluorobiphenyl	10.0	8.86	88.58
$ 80 2,4,6-Tribromophenol	10.0	9.74	97.39
$ 96 Terphenyl-d14	10.0	3.99	39.86

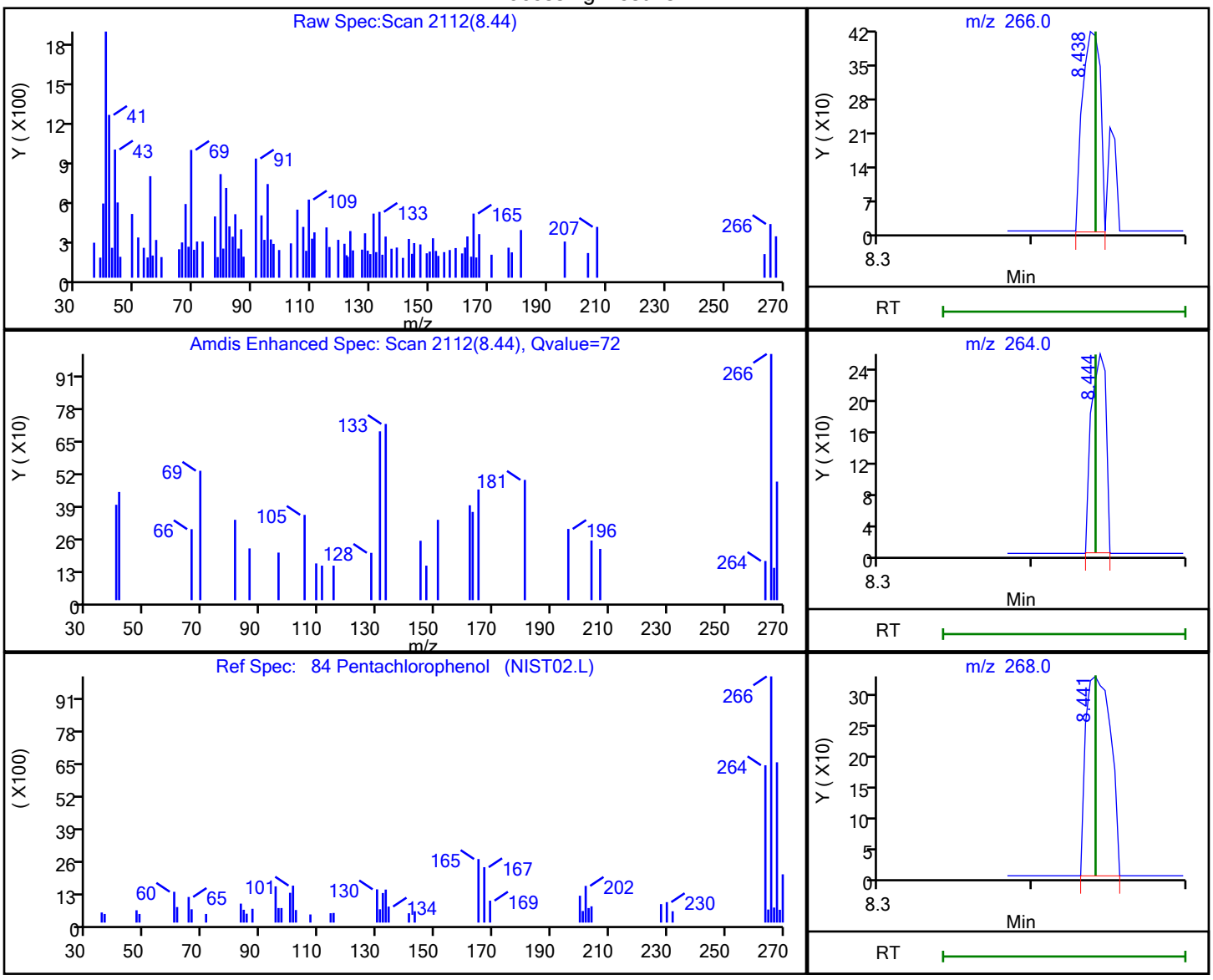
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49373.d				
Injection Date:	23-Mar-2024 17:18:30	Instrument ID:	CBNAMS14		
Lims ID:	460-300430-G-1-A	Lab Sample ID:	460-300430-1		
Client ID:	MW-18R				
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

84 Pentachlorophenol, CAS: 87-86-5

Processing Results



RT	Mass	Response	Amount
8.44	266.00	334	0.006440
8.44	264.00	173	
8.44	268.00	367	

Reviewer: U6BX, 24-Mar-2024 14:39:31 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: P84278.D

Analysis Method: 8270E | Date Collected: 03/20/2024 09:20

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:37

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	3.3	J	10	0.53
95-48-7	2-Methylphenol	0.78	J	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	2.0	J	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	5.1	J	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: P84278.D

Analysis Method: 8270E | Date Collected: 03/20/2024 09:20

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:37

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	1.8	J	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	1.8	J	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	0.88	J	10	0.84
86-73-7	Fluorene	2.5	J	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	26		2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: P84278.D

Analysis Method: 8270E | Date Collected: 03/20/2024 09:20

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:37

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	4.7	J	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	113		37-150
321-60-8	2-Fluorobiphenyl	103		46-139
367-12-4	2-Fluorophenol (Surr)	76		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	110		51-145
4165-62-2	Phenol-d5 (Surr)	57	*	10-56
1718-51-0	Terphenyl-d14 (Surr)	68		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D
Lims ID: 460-300430-G-2-A
Client ID: MW-15
Sample Type: Client
Inject. Date: 22-Mar-2024 15:37:30 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-029
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:06:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	322203	7.60	
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	286667	5.69	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	265506	8.00	
20 2-Methylphenol	108	4.398	4.398	-0.004	93	4057	0.0976	
26 4-Methylphenol	108	4.554	4.548	0.002	92	11084	0.2492	
$ 28 Nitrobenzene-d5	82	4.669	4.670	-0.002	88	485929	11.0	
* 38 Naphthalene-d8	136	5.356	5.358	-0.002	99	1090536	8.00	
39 Naphthalene	128	5.375	5.376	-0.002	99	479086	3.21	
46 2-Methylnaphthalene	142	6.040	6.041	-0.002	85	39694	0.4133	
$ 53 2-Fluorobiphenyl	172	6.394	6.396	-0.003	97	1163676	10.3	
* 64 Acenaphthene-d10	164	7.024	7.027	-0.003	95	614500	8.00	
65 Acenaphthene	154	7.053	7.058	-0.006	97	58337	0.6362	
70 Dibenzofuran	168	7.219	7.221	-0.003	96	30157	0.2196	
73 Fluorene	166	7.543	7.544	-0.002	94	33377	0.3077	
$ 79 2,4,6-Tribromophenol	330	7.773	7.775	-0.002	93	219169	11.3	
* 88 Phenanthrene-d10	188	8.426	8.428	-0.002	98	1115439	8.00	
89 Phenanthrene	178	8.445	8.451	-0.005	98	89911	0.5882	
91 Carbazole	167	8.657	8.662	-0.004	96	30461	0.2292	
93 Fluoranthene	202	9.569	9.572	-0.003	97	15975	0.1099	
$ 97 Terphenyl-d14	244	9.947	9.951	-0.002	97	780536	6.84	
* 103 Chrysene-d12	240	10.998	11.001	-0.003	99	749188	8.00	
* 110 Perylene-d12	264	12.781	12.782	-0.001	99	722992	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

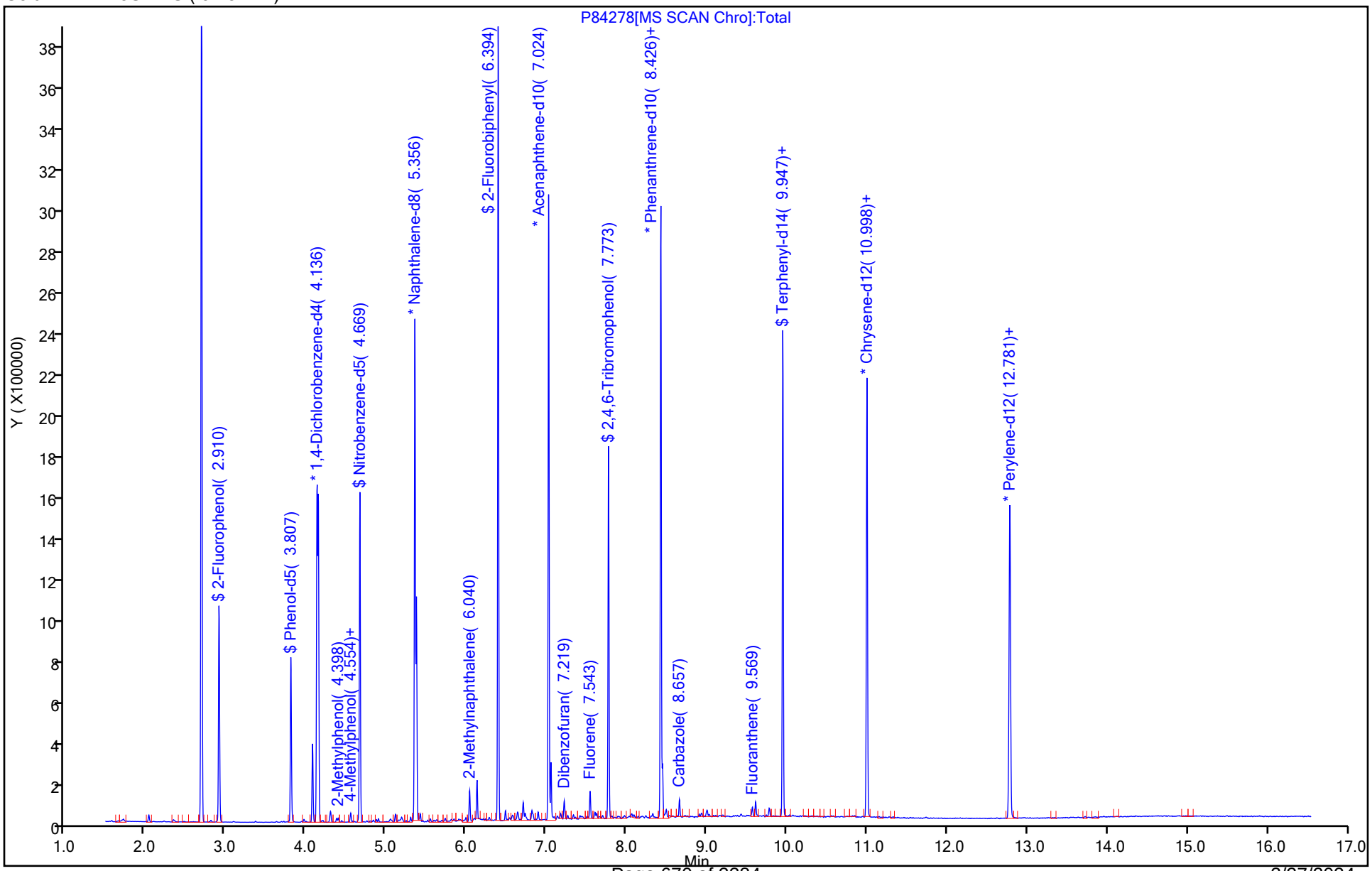
Report Date: 25-Mar-2024 08:28:45 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D

Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2	Worklist Smp#:	29
Client ID:	MW-15				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D
Lims ID: 460-300430-G-2-A
Client ID: MW-15
Sample Type: Client
Inject. Date: 22-Mar-2024 15:37:30 ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-029
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:06:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.60	76.01
$ 6 Phenol-d5	10.0	5.69	56.93
$ 28 Nitrobenzene-d5	10.0	11.0	110.01
$ 53 2-Fluorobiphenyl	10.0	10.3	102.61
$ 79 2,4,6-Tribromophenol	10.0	11.3	113.34
$ 97 Terphenyl-d14	10.0	6.84	68.42

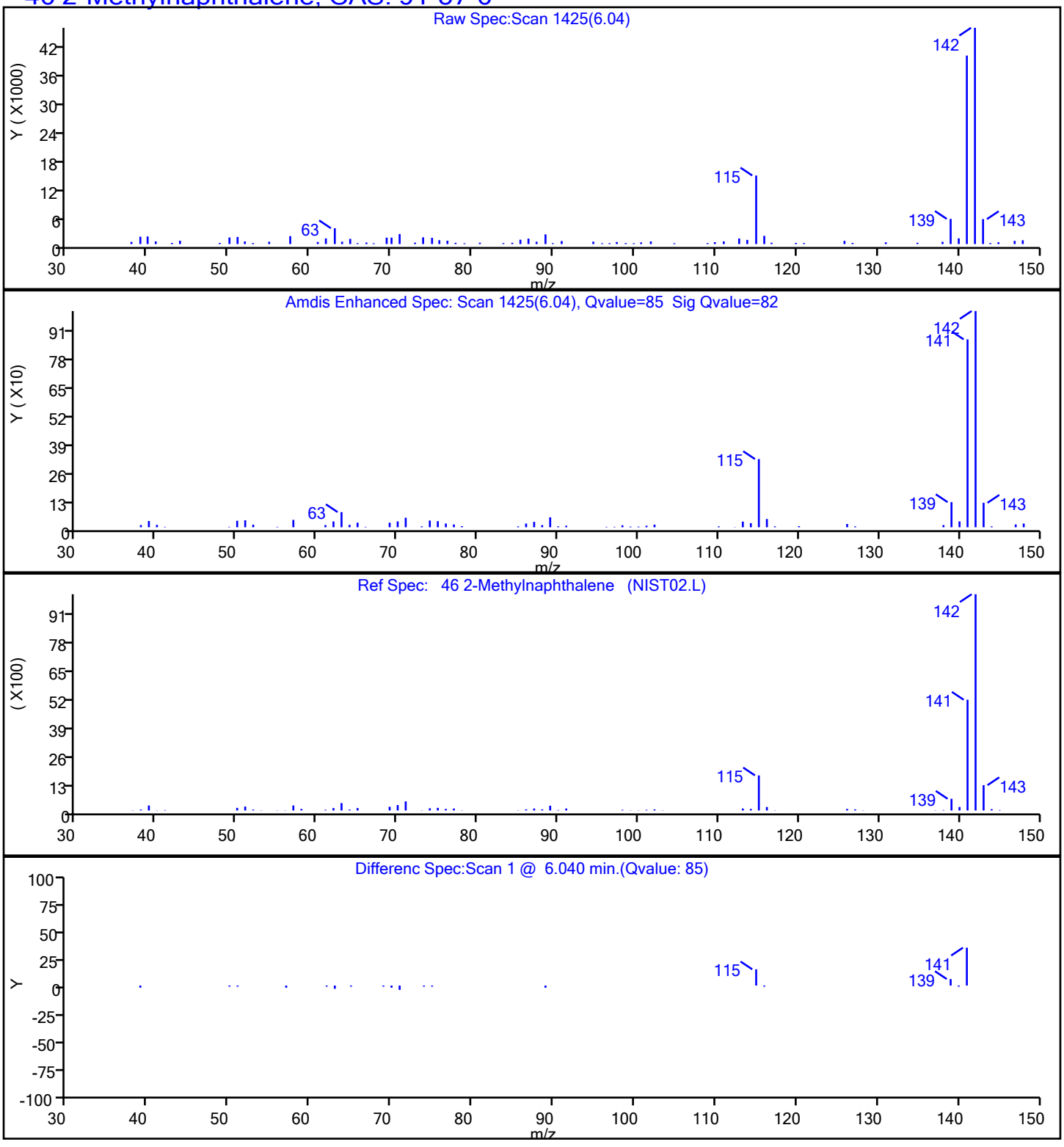
Report Date: 25-Mar-2024 08:28:45 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D

Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

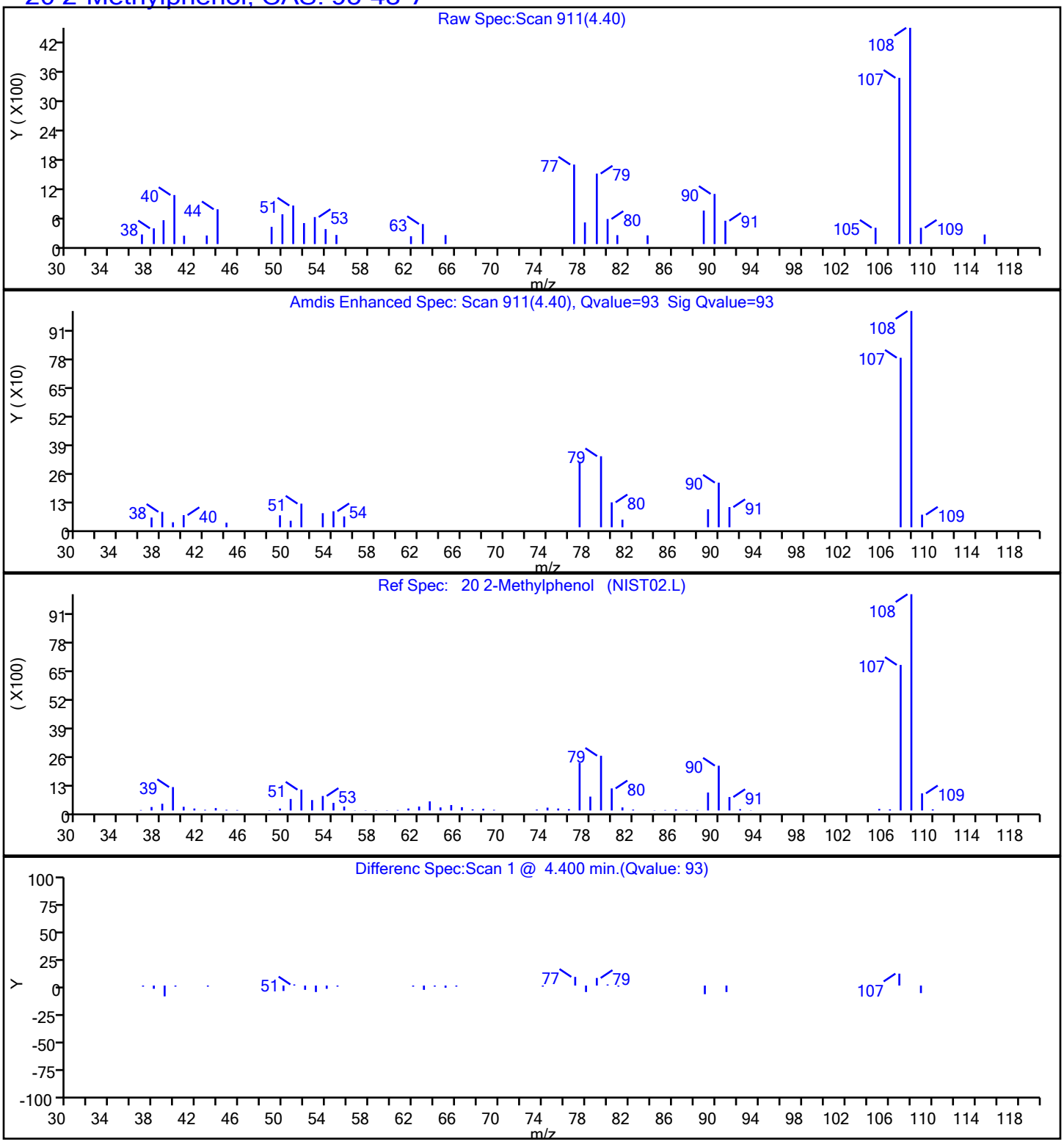
46 2-Methylnaphthalene, CAS: 91-57-6



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 2-Methylphenol, CAS: 95-48-7



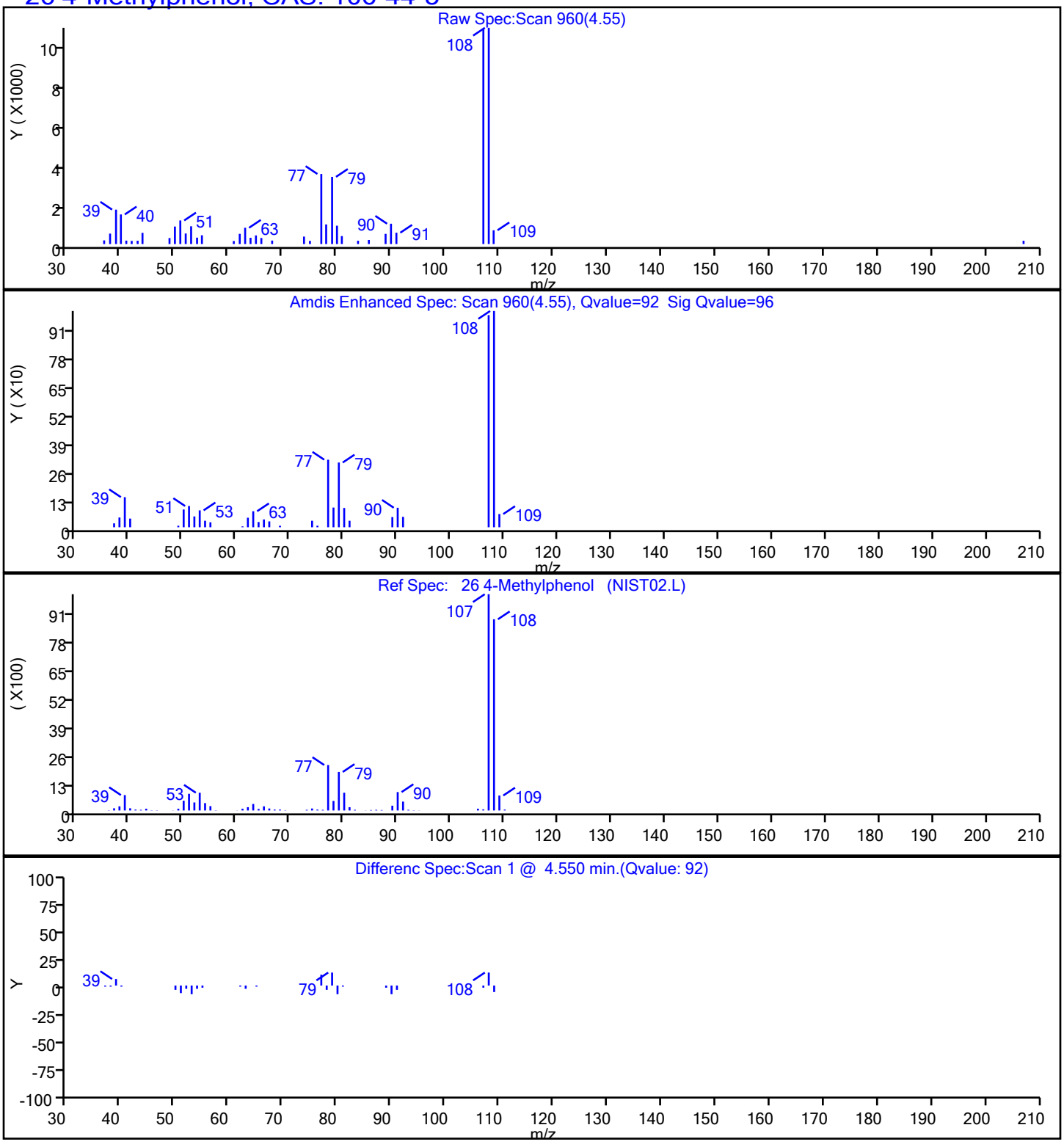
Report Date: 25-Mar-2024 08:28:45 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D

Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

26 4-Methylphenol, CAS: 106-44-5



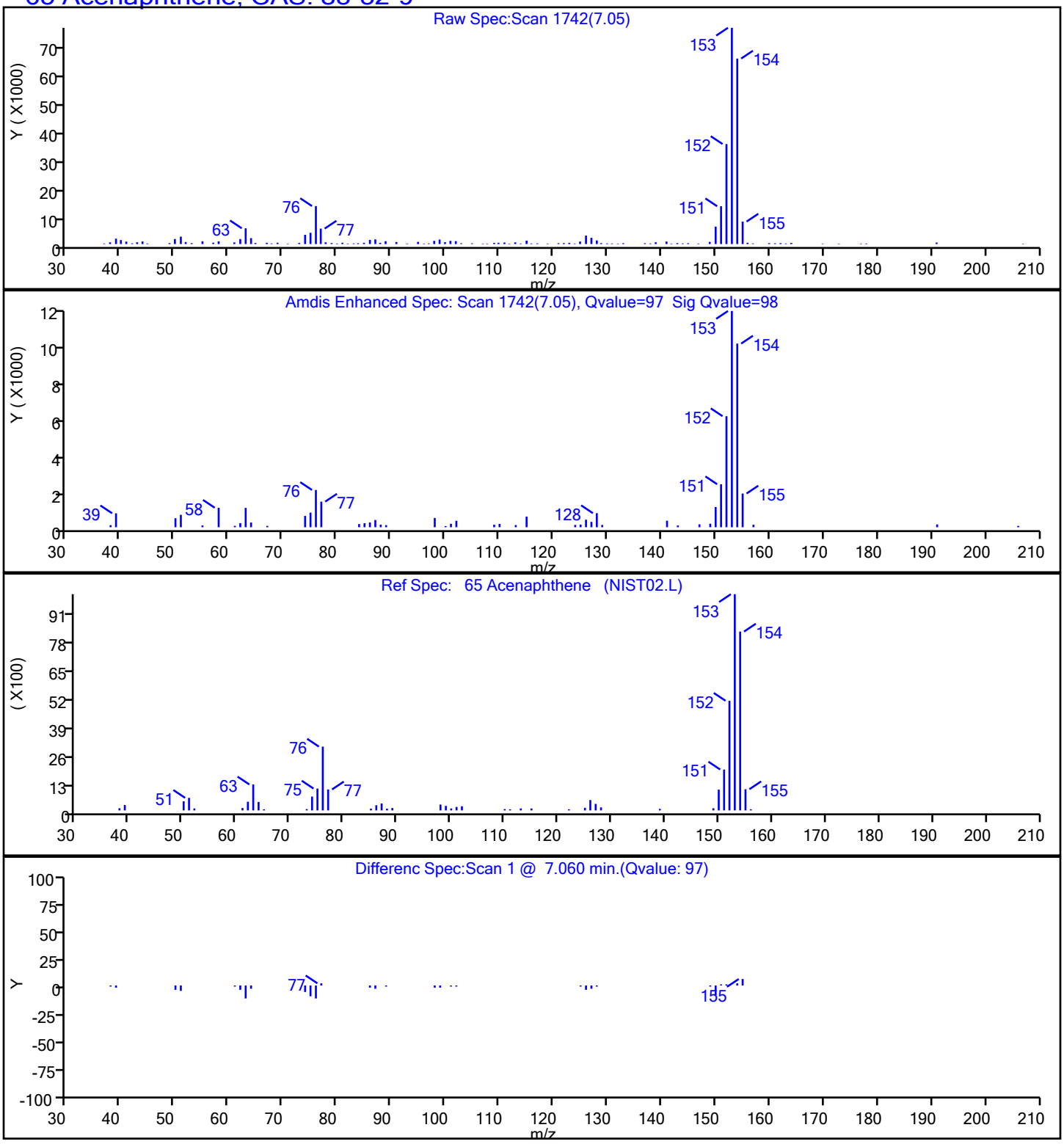
Report Date: 25-Mar-2024 08:28:45 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D

Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

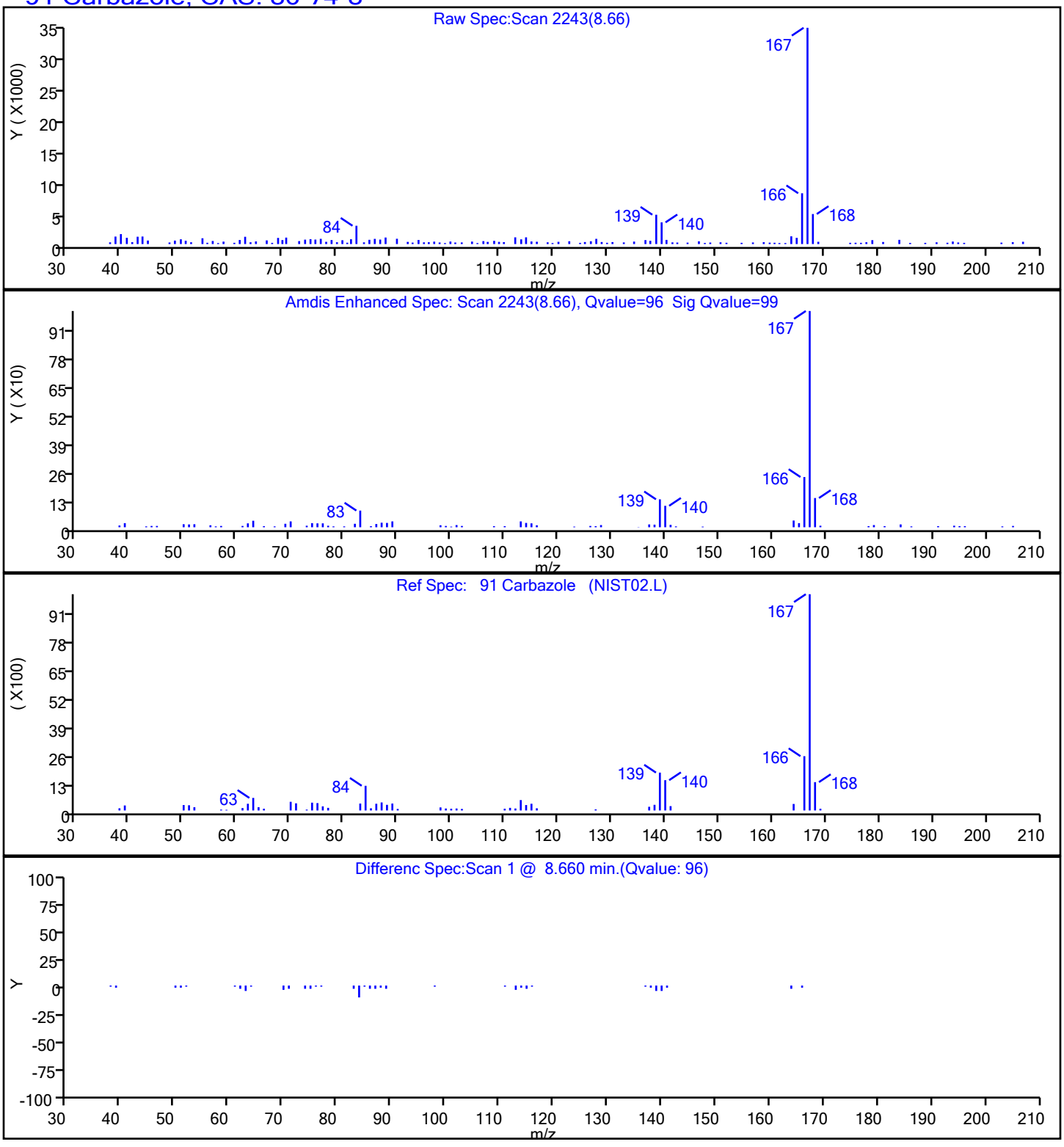
65 Acenaphthene, CAS: 83-32-9



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

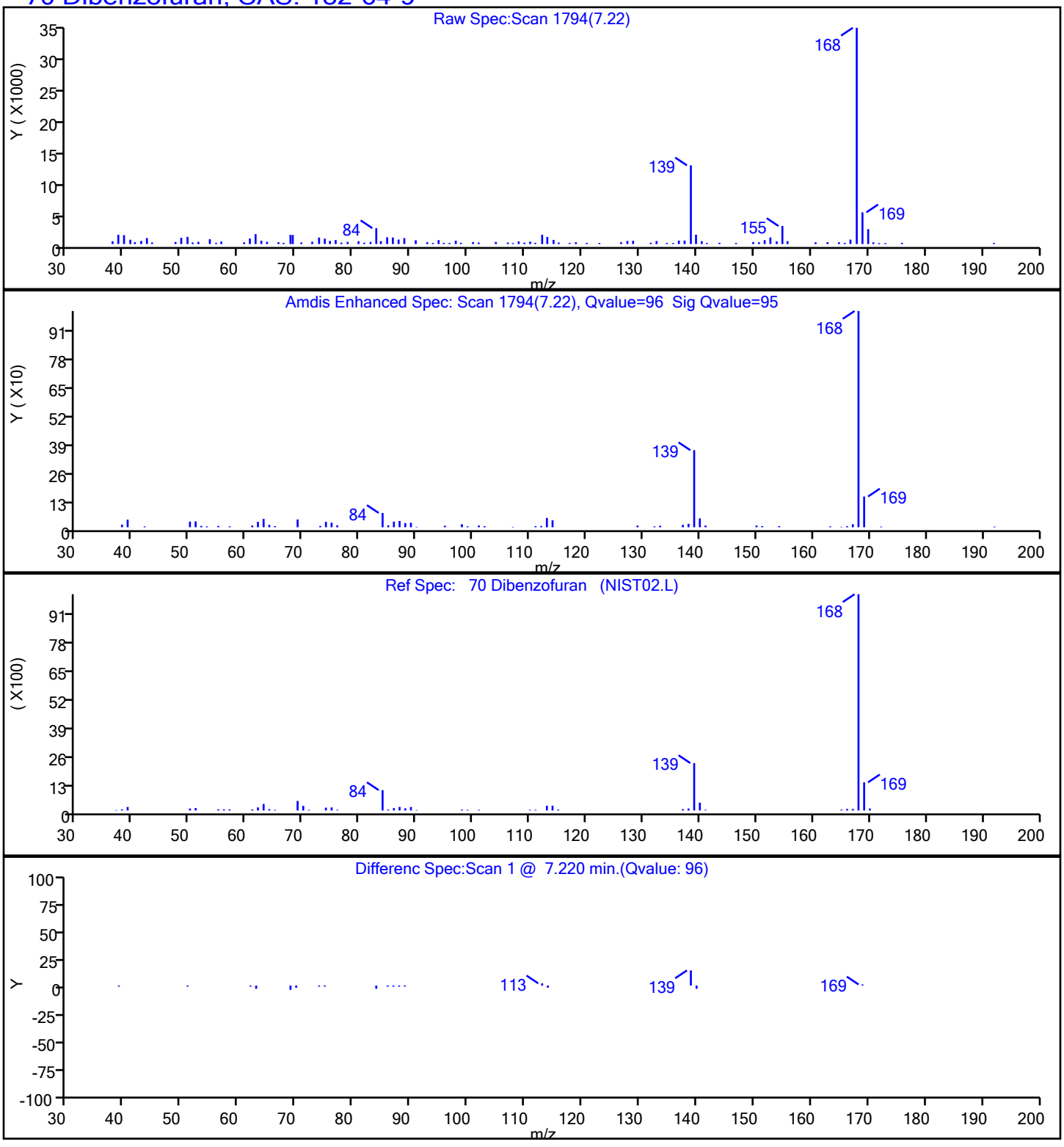
91 Carbazole, CAS: 86-74-8



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

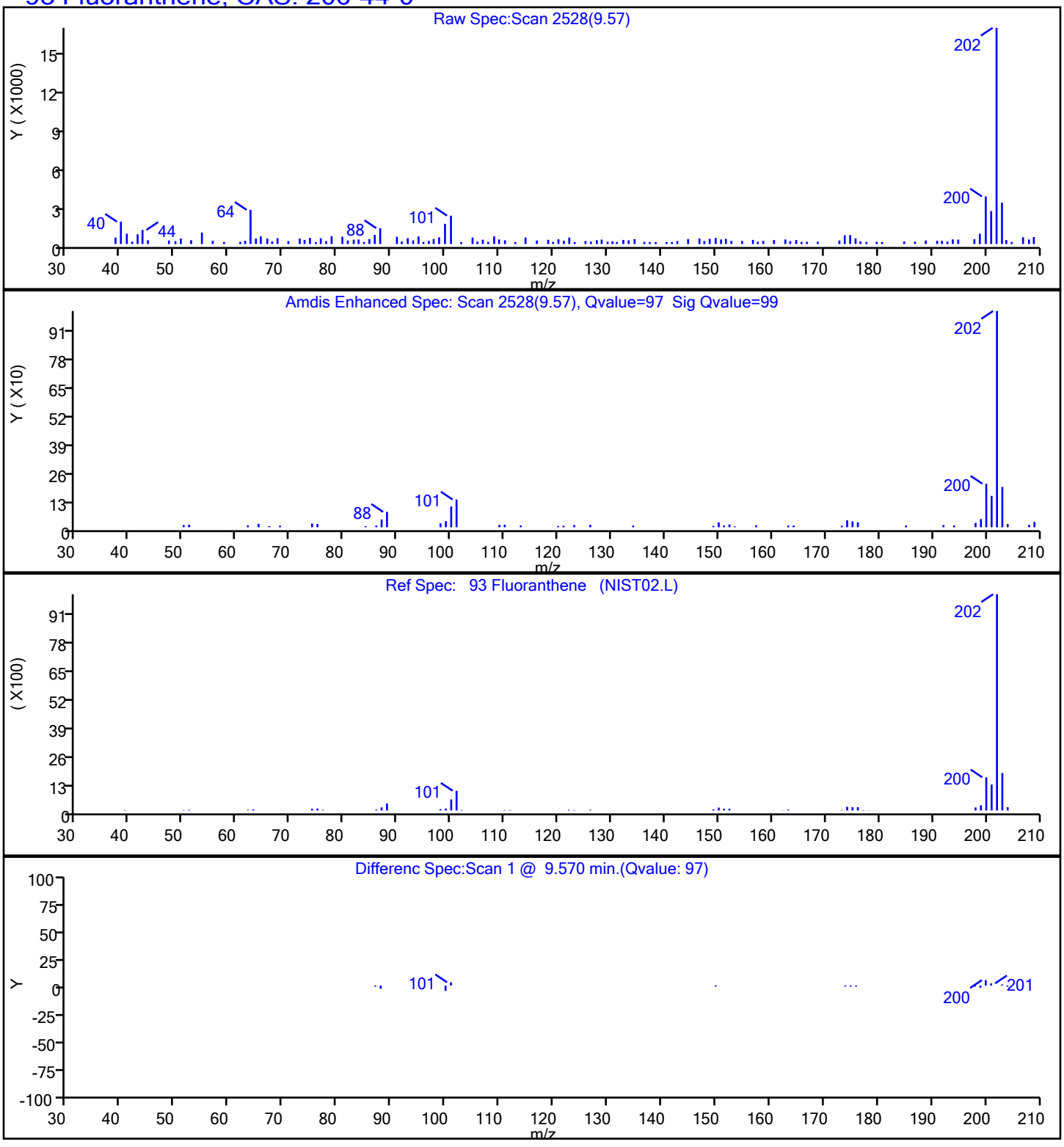
70 Dibenzofuran, CAS: 132-64-9



Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D
Injection Date: 22-Mar-2024 15:37:30 Instrument ID: CBNAMS18
Lims ID: 460-300430-G-2-A Lab Sample ID: 460-300430-2
Client ID: MW-15
Operator ID: ALS Bottle#: 29 Worklist Smp#: 29
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

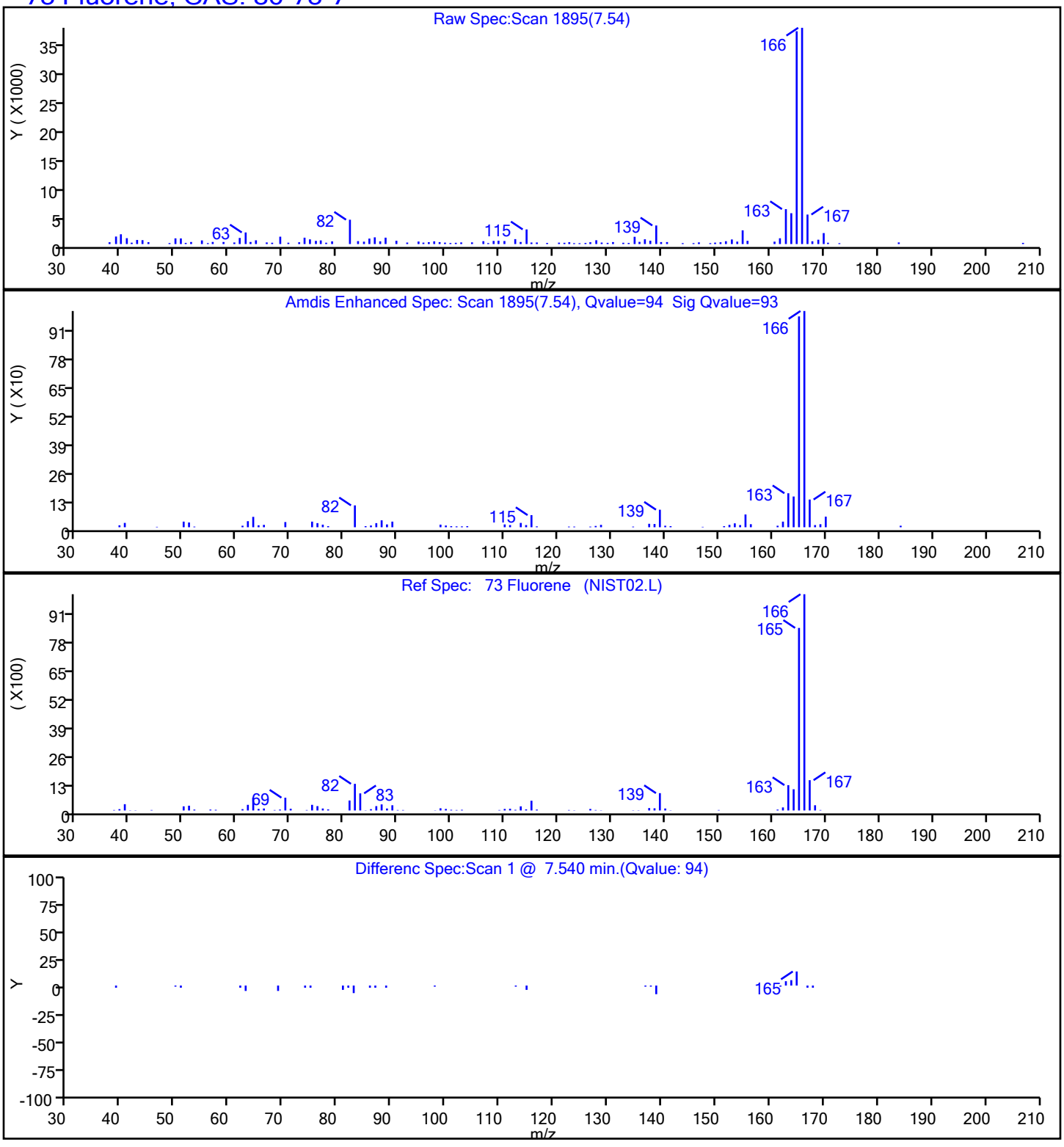
93 Fluoranthene, CAS: 206-44-0



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D		
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2
Client ID:	MW-15		
Operator ID:		ALS Bottle#:	29 Worklist Smp#: 29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

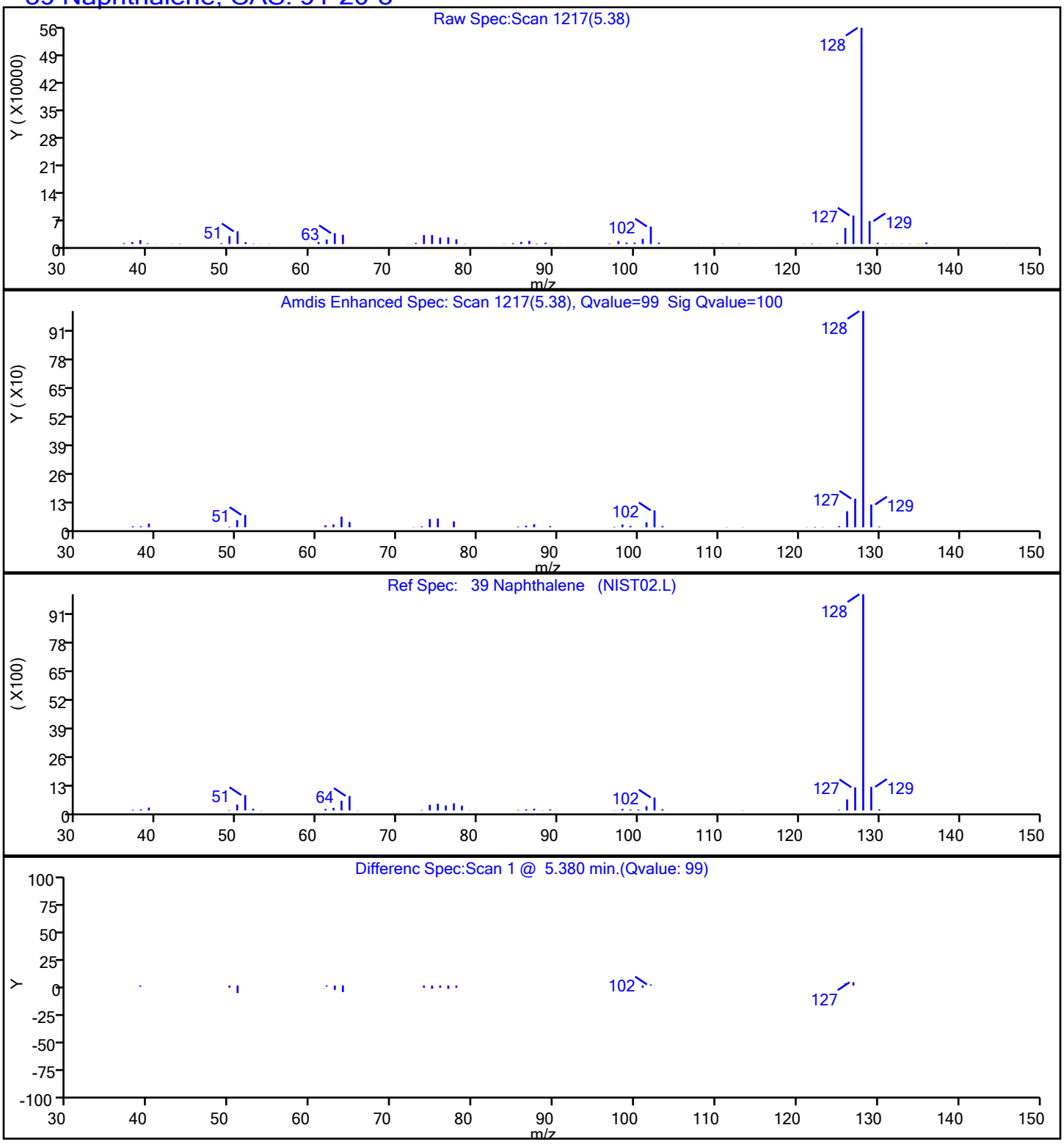
73 Fluorene, CAS: 86-73-7



Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



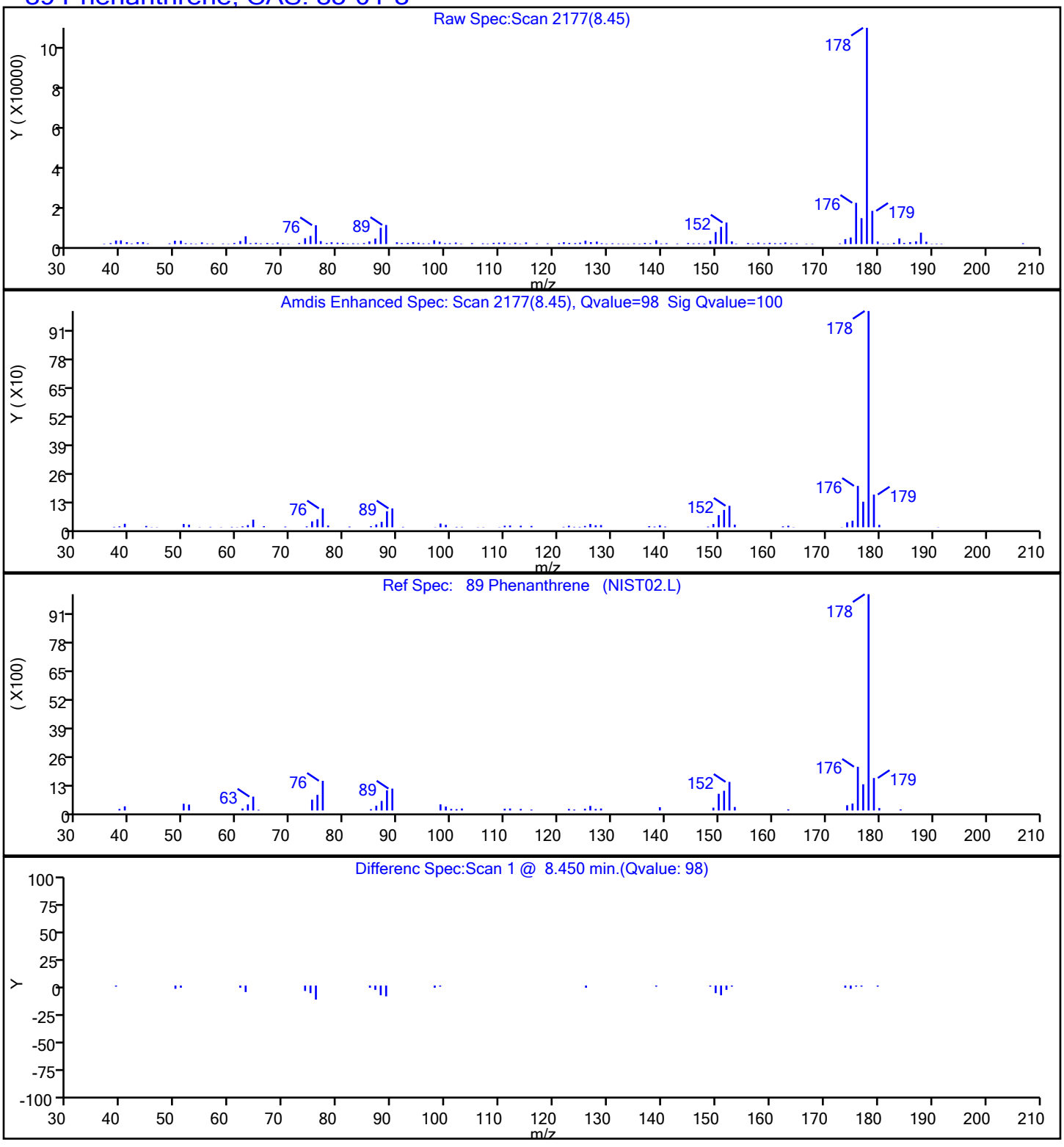
Report Date: 25-Mar-2024 08:28:45 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D

Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Phenanthrene, CAS: 85-01-8



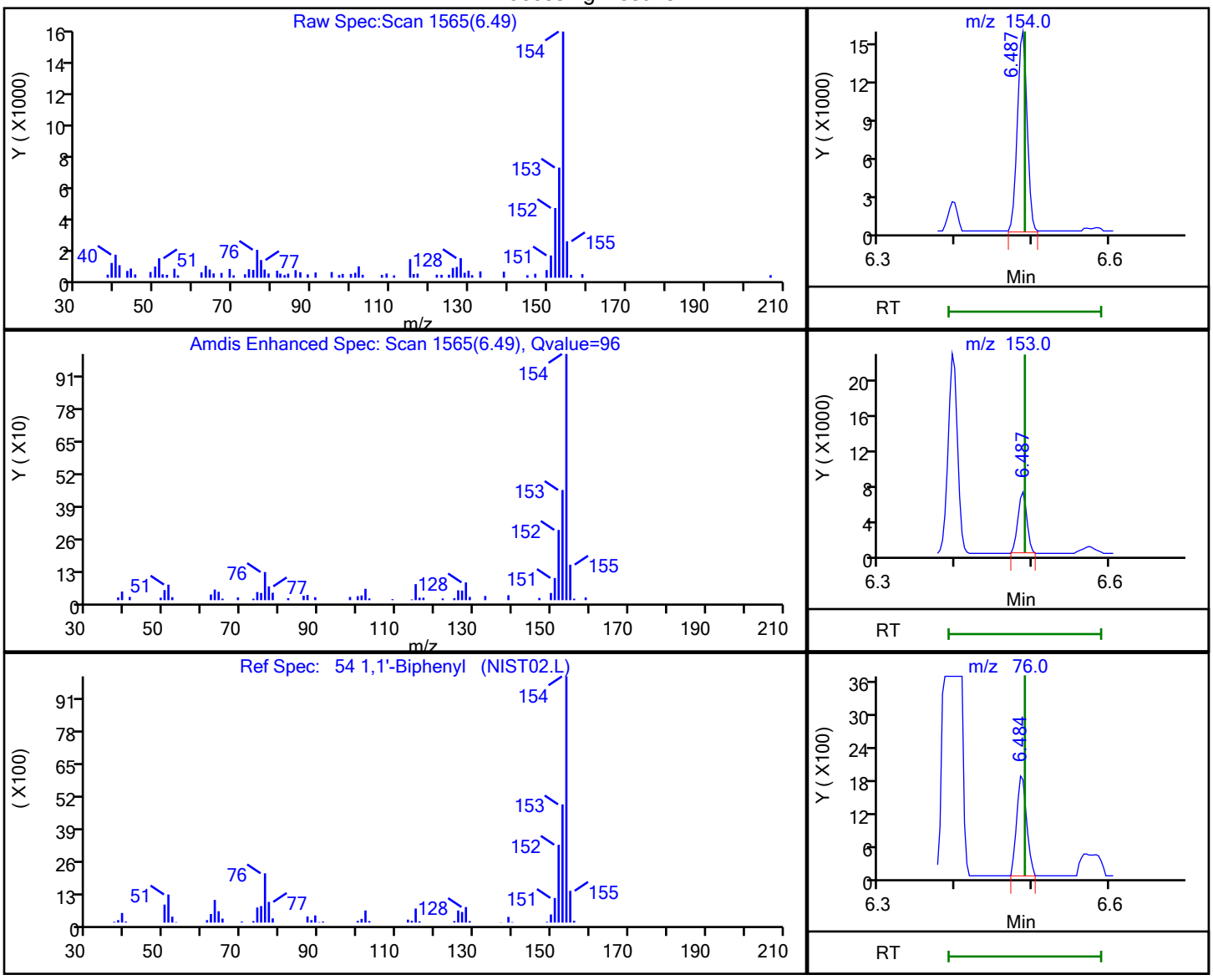
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.49	154.00	13542	0.106550
6.49	153.00	5664	
6.48	76.00	1648	

Reviewer: V5XH, 25-Mar-2024 08:28:16 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

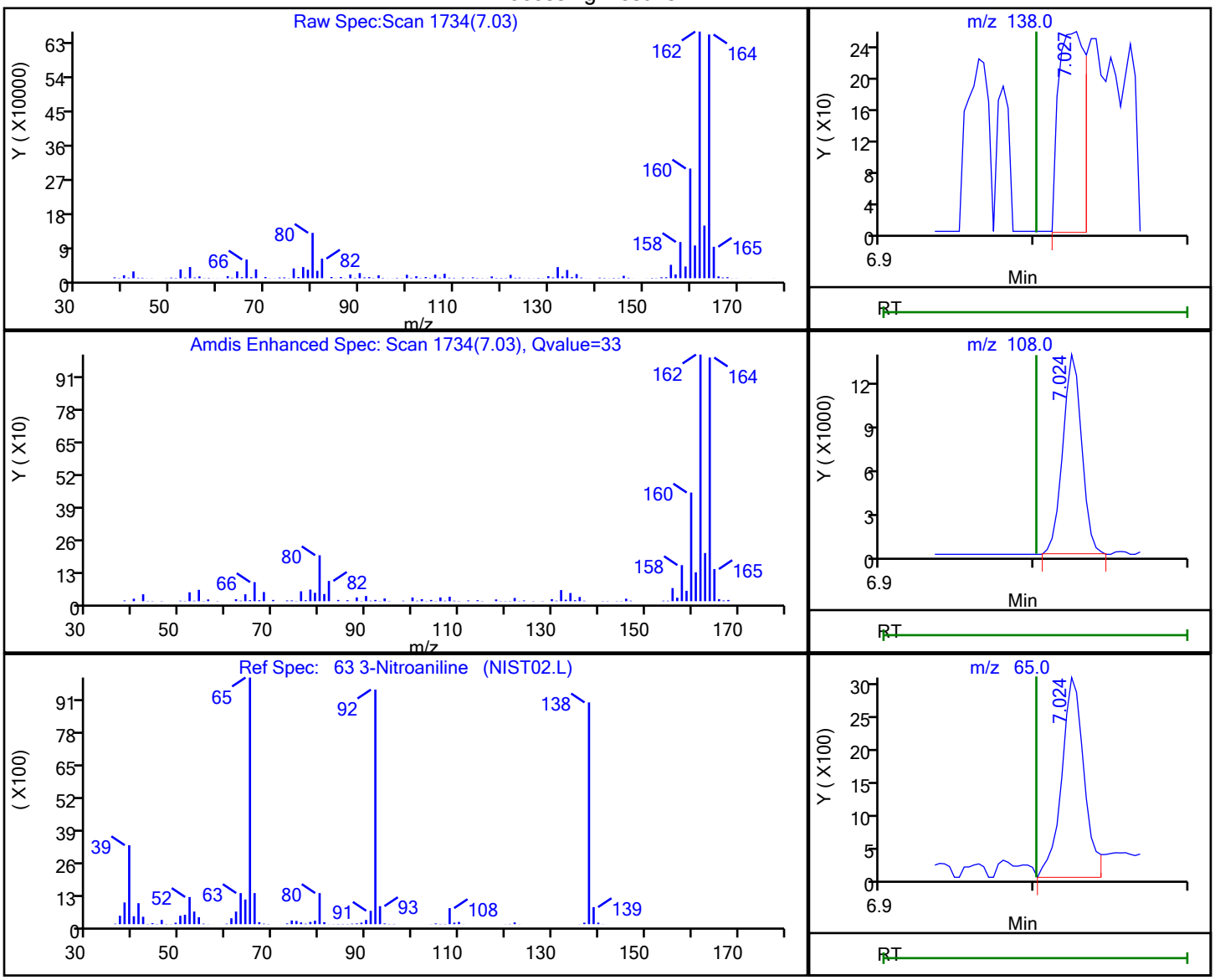
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.03	138.00	313	0.013019
7.02	108.00	11391	
7.02	65.00	3096	

Reviewer: U6BX, 22-Mar-2024 18:06:35 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

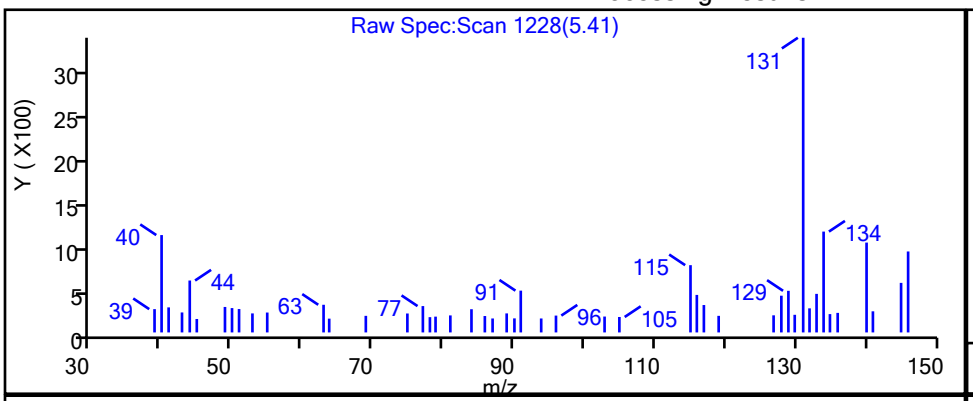
User Disabled Compound Report

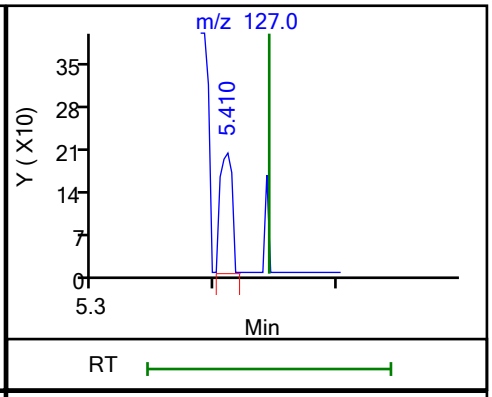
Eurofins Edison

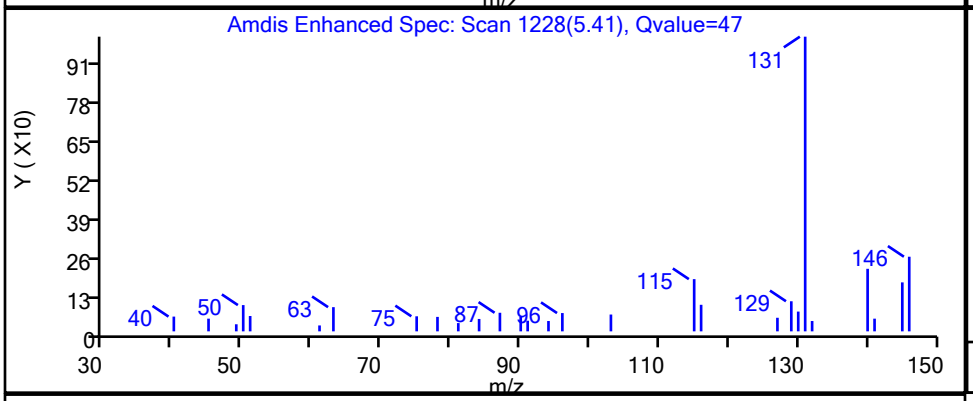
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

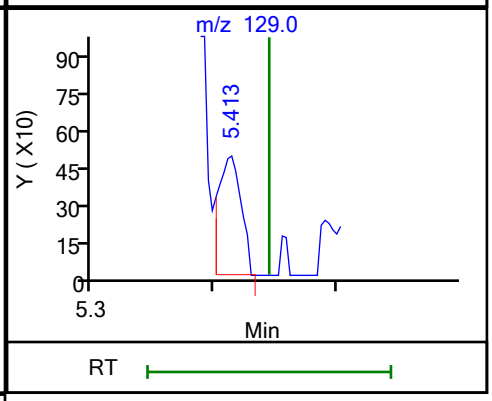
40 4-Chloroaniline, CAS: 106-47-8

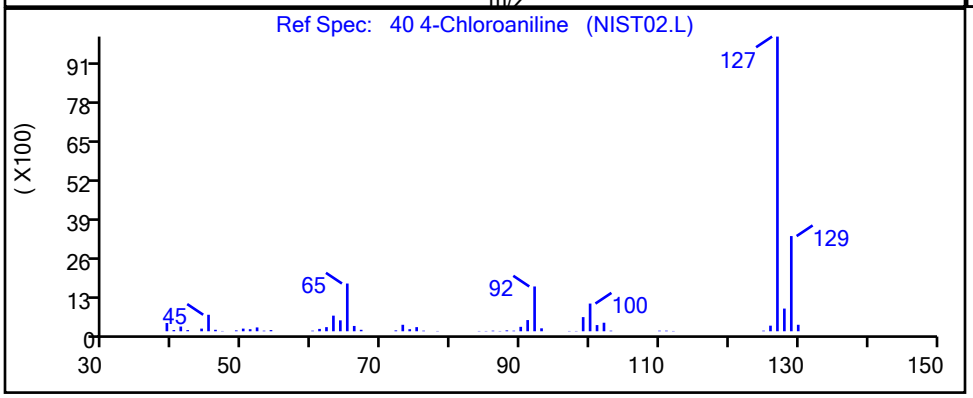
Processing Results











RT	Mass	Response	Amount
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5.41	129.00	622	

Reviewer: U6BX, 22-Mar-2024 18:06:32 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

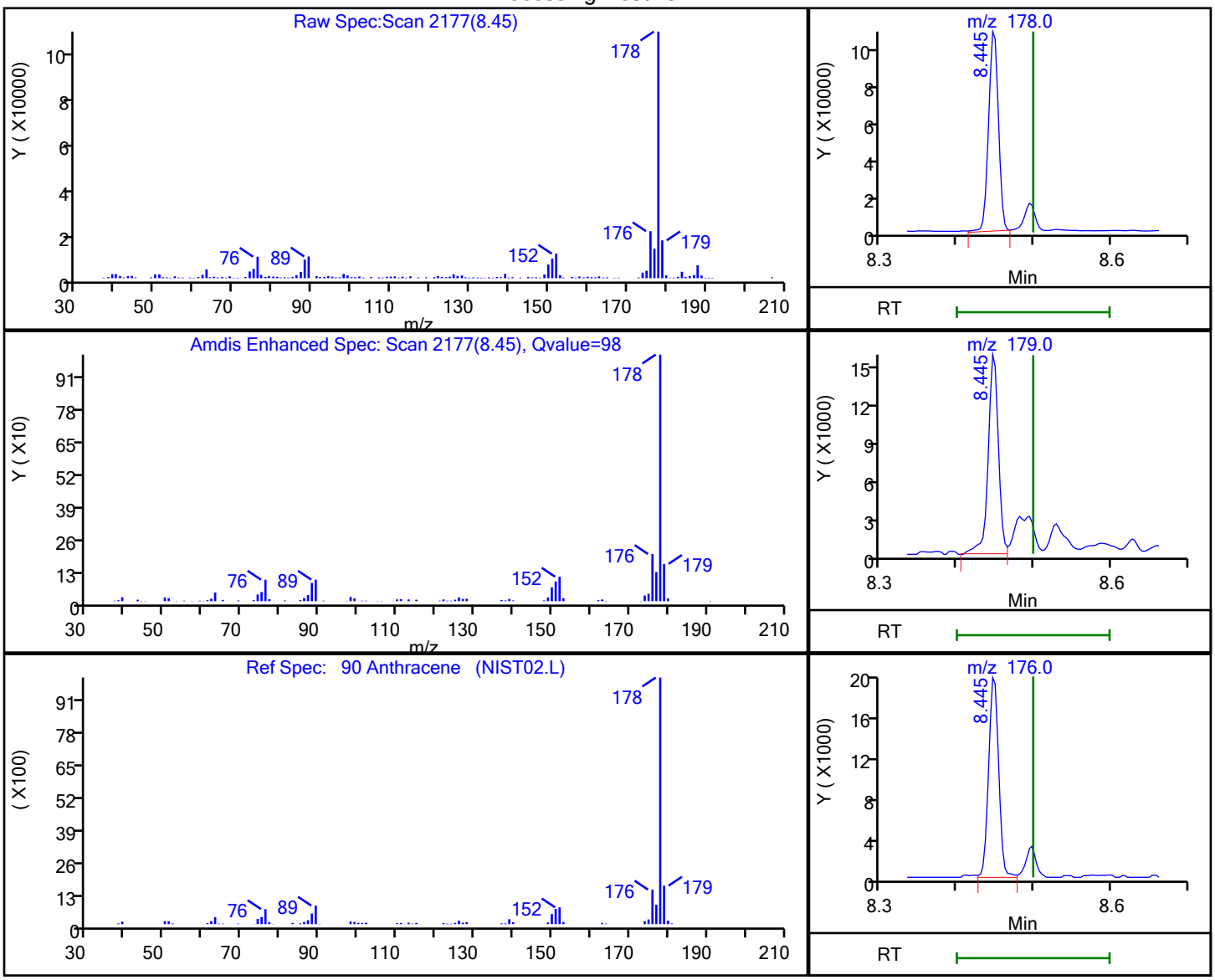
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Anthracene, CAS: 120-12-7

Processing Results



RT	Mass	Response	Amount
8.45	178.00	89911	0.583584
8.45	179.00	14505	
8.45	176.00	17627	

Reviewer: V5XH, 25-Mar-2024 08:28:40 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

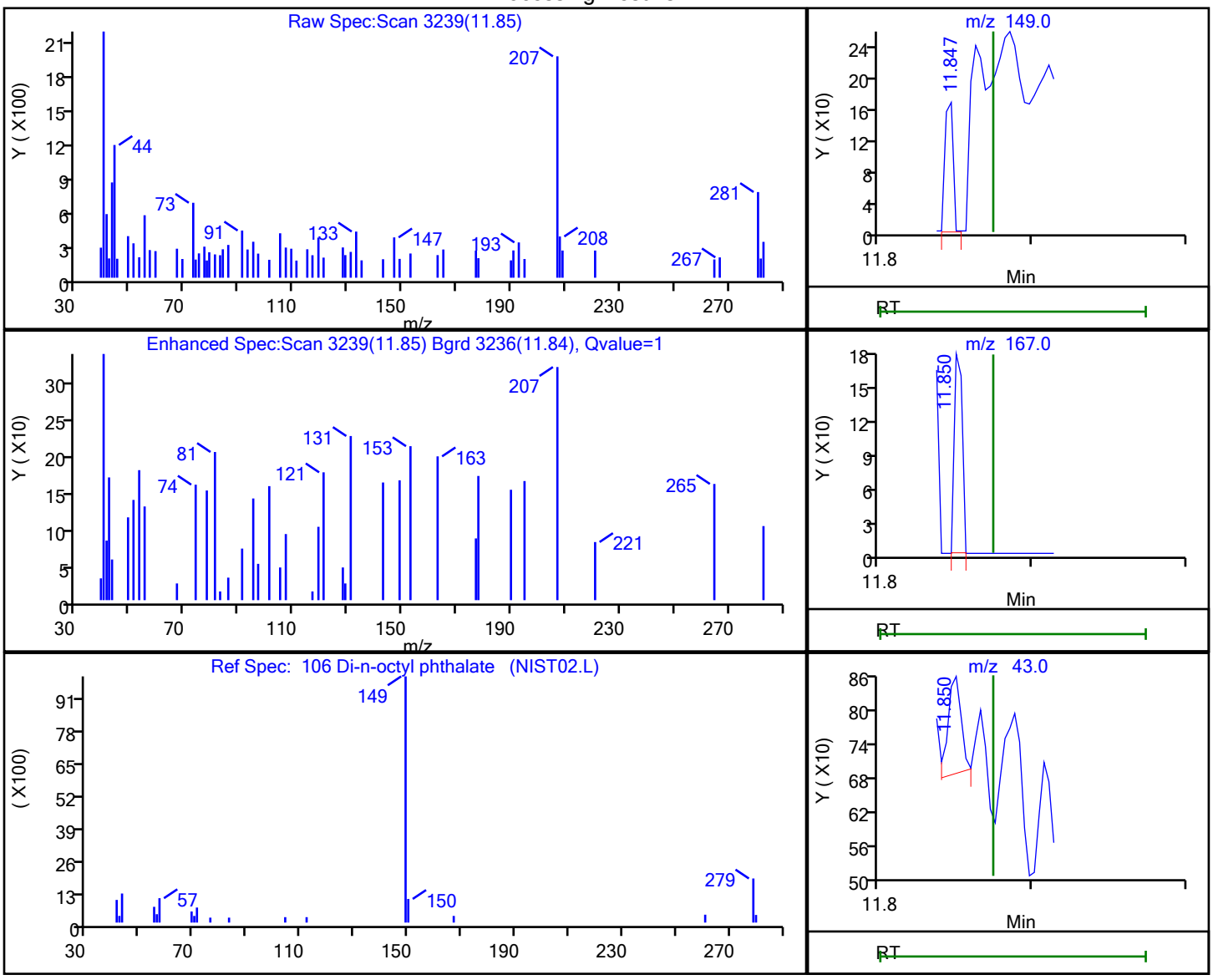
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.85	149.00	61	0.000519
11.85	167.00	63	
11.85	43.00	101	

Reviewer: U6BX, 22-Mar-2024 18:06:43 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

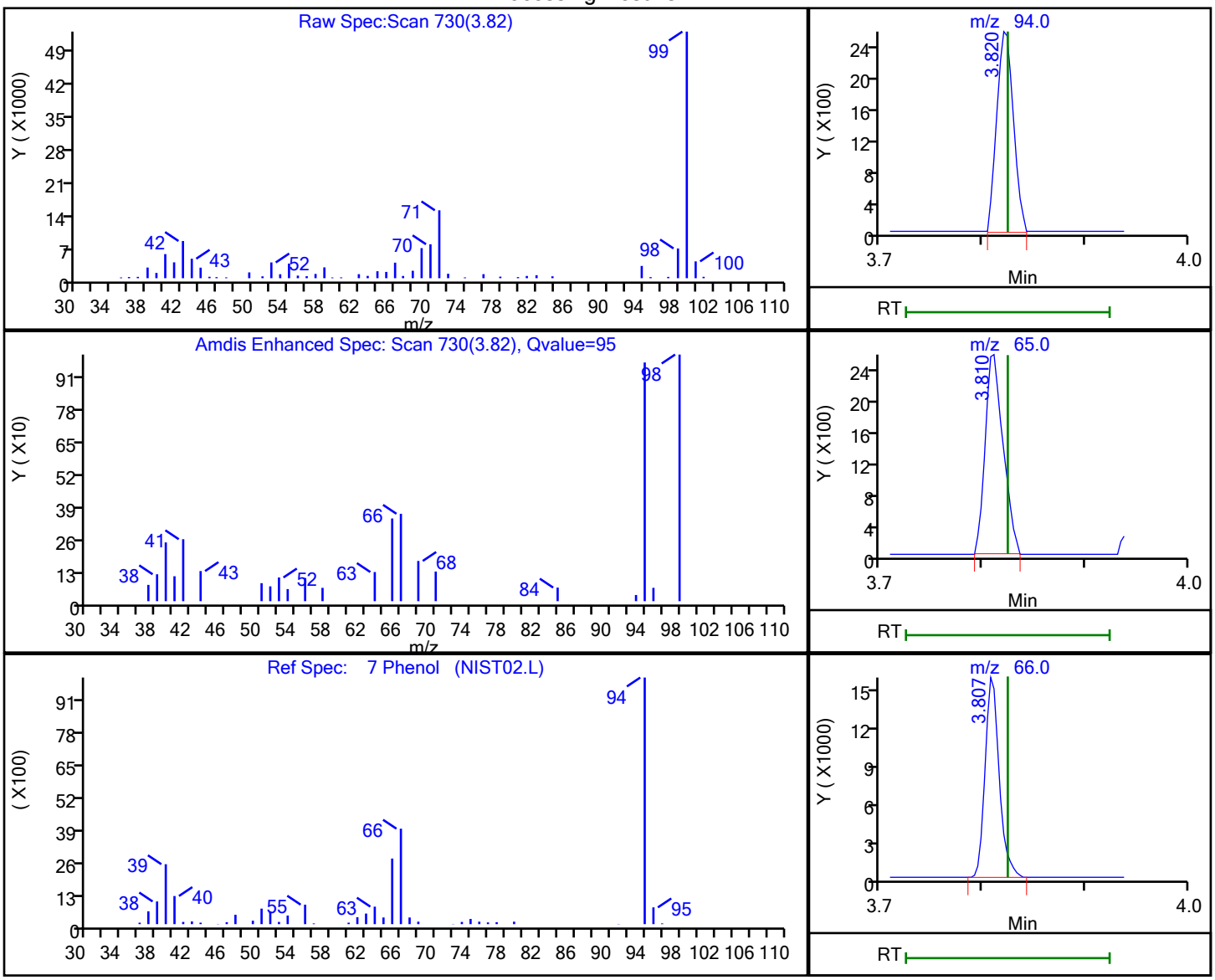
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84278.D				
Injection Date:	22-Mar-2024 15:37:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	29	Worklist Smp#:	29
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

7 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
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3.81	65.00	3138	
3.81	66.00	14705	

Reviewer: U6BX, 22-Mar-2024 18:06:28 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: P84279.D

Analysis Method: 8270E | Date Collected: 03/20/2024 11:05

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: P84279.D

Analysis Method: 8270E | Date Collected: 03/20/2024 11:05

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: P84279.D

Analysis Method: 8270E | Date Collected: 03/20/2024 11:05

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	114		37-150
321-60-8	2-Fluorobiphenyl	104		46-139
367-12-4	2-Fluorophenol (Surr)	78		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	114		51-145
4165-62-2	Phenol-d5 (Surr)	58	*	10-56
1718-51-0	Terphenyl-d14 (Surr)	67		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D
Lims ID: 460-300430-G-3-A
Client ID: MW-13
Sample Type: Client
Inject. Date: 22-Mar-2024 15:59:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-030
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:07:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	306386	7.82	
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	271228	5.83	
* 14 1,4-Dichlorobenzene-d4	152	4.132	4.137	-0.005	96	245372	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.670	-0.002	87	459530	11.4	
* 38 Naphthalene-d8	136	5.355	5.358	-0.003	99	995333	8.00	
$ 53 2-Fluorobiphenyl	172	6.394	6.396	-0.003	97	1073373	10.4	
* 64 Acenaphthene-d10	164	7.024	7.027	-0.003	95	561400	8.00	
$ 79 2,4,6-Tribromophenol	330	7.774	7.775	-0.001	92	201049	11.4	
* 88 Phenanthrene-d10	188	8.424	8.428	-0.004	98	989225	8.00	
$ 97 Terphenyl-d14	244	9.948	9.951	-0.001	97	680302	6.66	
* 103 Chrysene-d12	240	10.997	11.001	-0.004	99	671224	8.00	
* 110 Perylene-d12	264	12.781	12.782	-0.001	99	677903	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

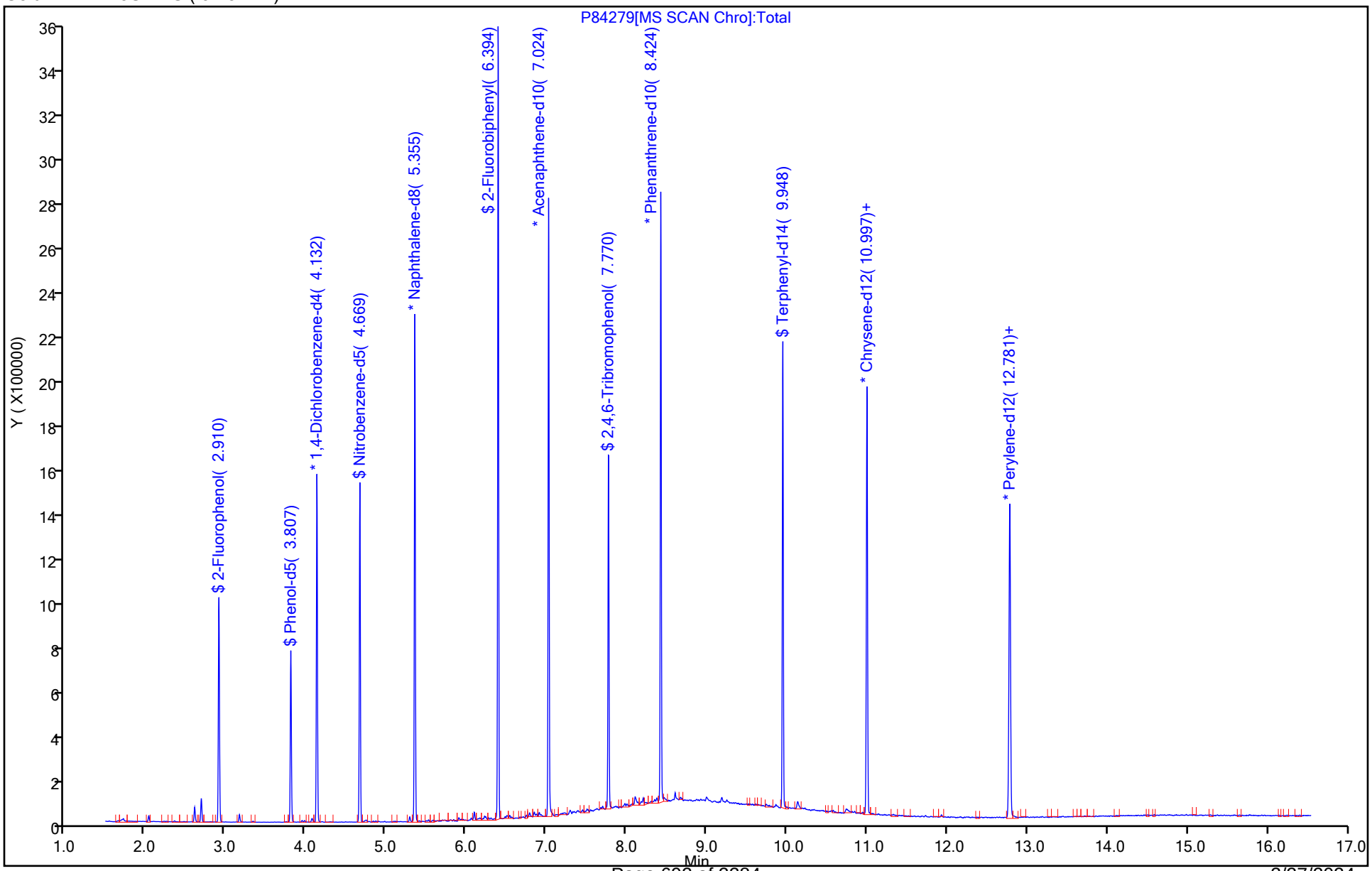
Report Date: 25-Mar-2024 08:29:13 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D

Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3	Worklist Smp#:	30
Client ID:	MW-13				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D
Lims ID: 460-300430-G-3-A
Client ID: MW-13
Sample Type: Client
Inject. Date: 22-Mar-2024 15:59:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-030
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:28:44 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:07:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.82	78.21
$ 6 Phenol-d5	10.0	5.83	58.28
$ 28 Nitrobenzene-d5	10.0	11.4	113.98
$ 53 2-Fluorobiphenyl	10.0	10.4	103.60
$ 79 2,4,6-Tribromophenol	10.0	11.4	113.80
$ 97 Terphenyl-d14	10.0	6.66	66.56

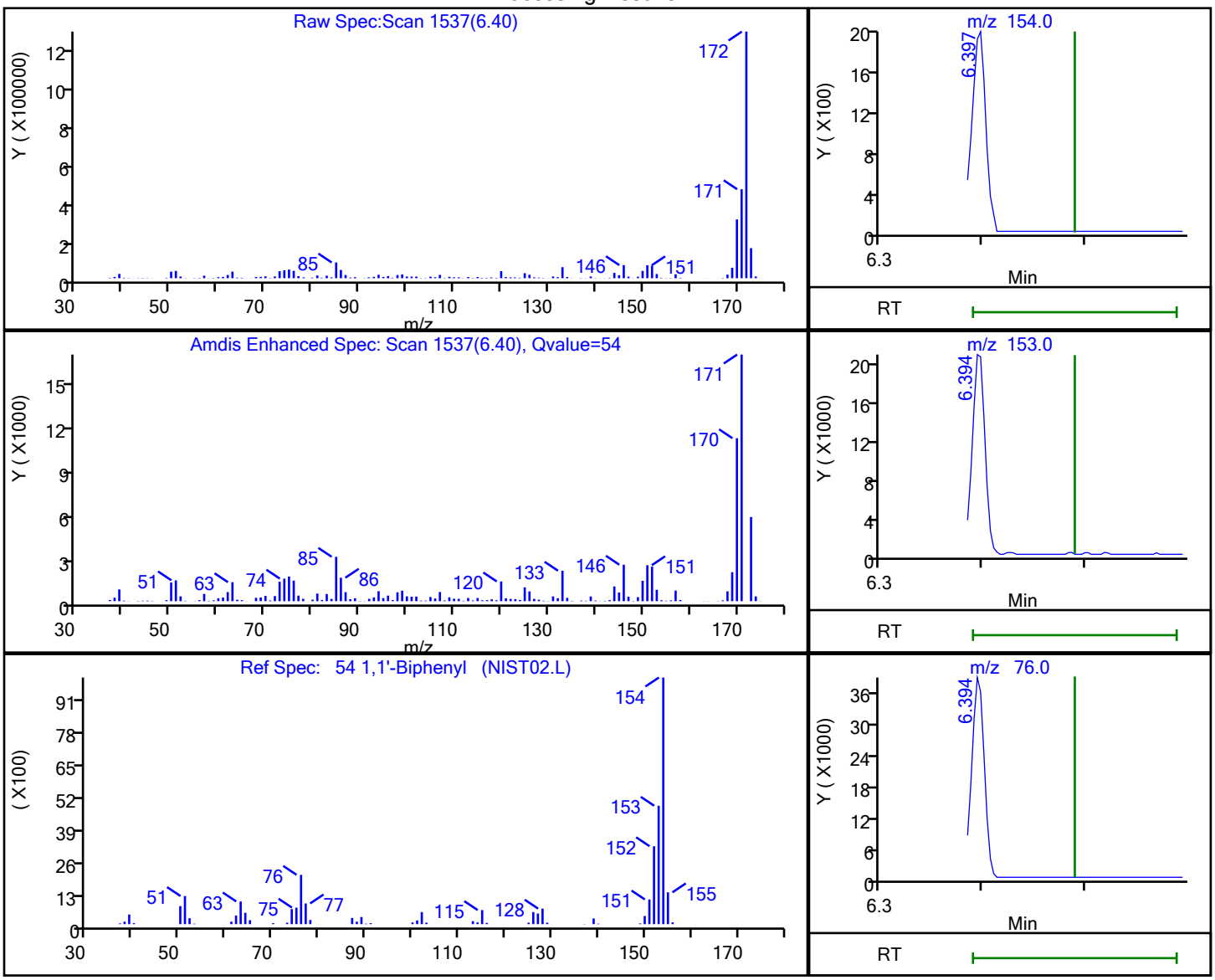
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	1869	0.016096
6.39	153.00	18100	
6.39	76.00	33449	

Reviewer: U6BX, 22-Mar-2024 18:06:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

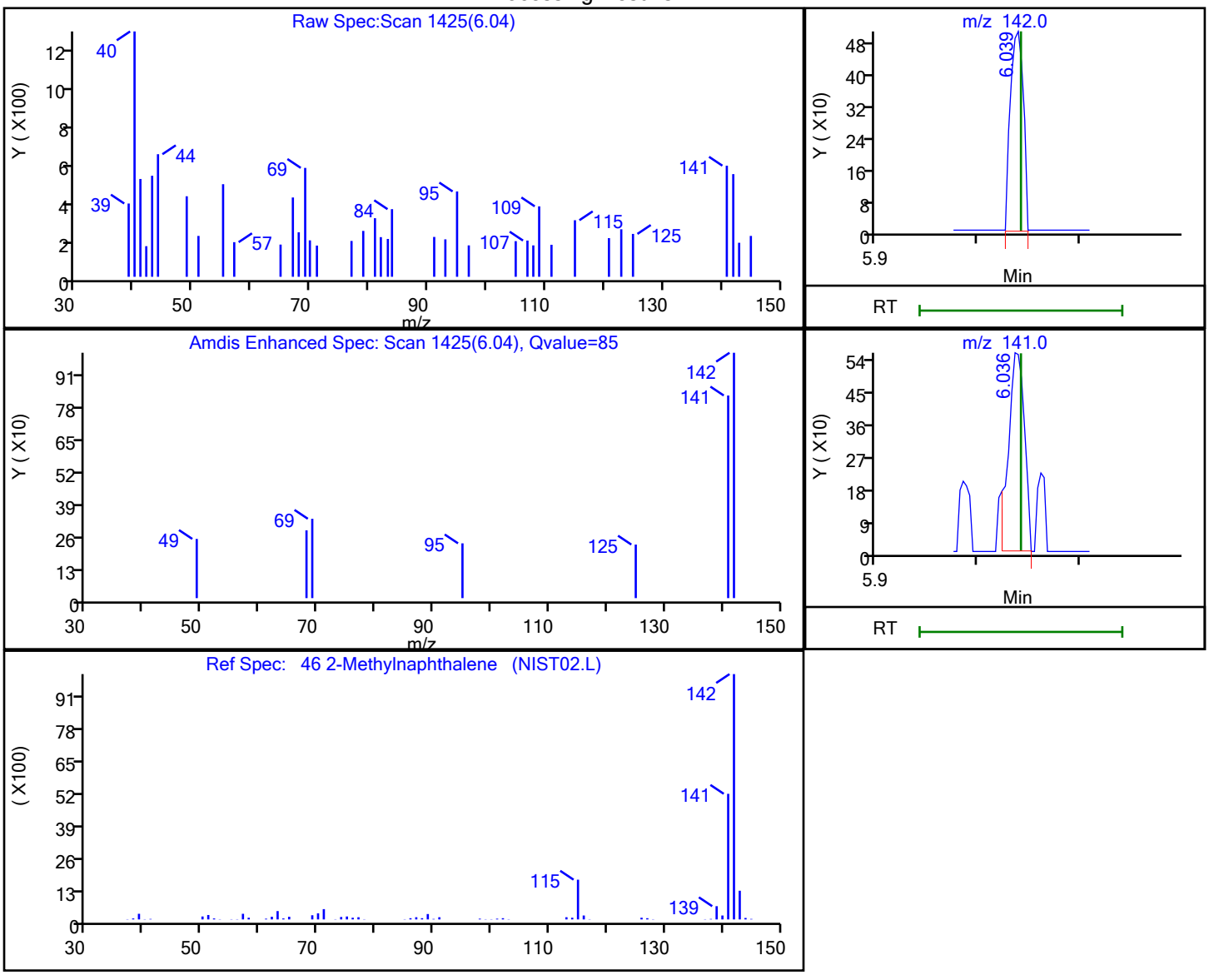
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

46 2-Methylnaphthalene, CAS: 91-57-6

Processing Results



RT	Mass	Response	Amount
6.04	142.00	454	0.005179
6.04	141.00	612	

Reviewer: U6BX, 22-Mar-2024 18:06:58 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

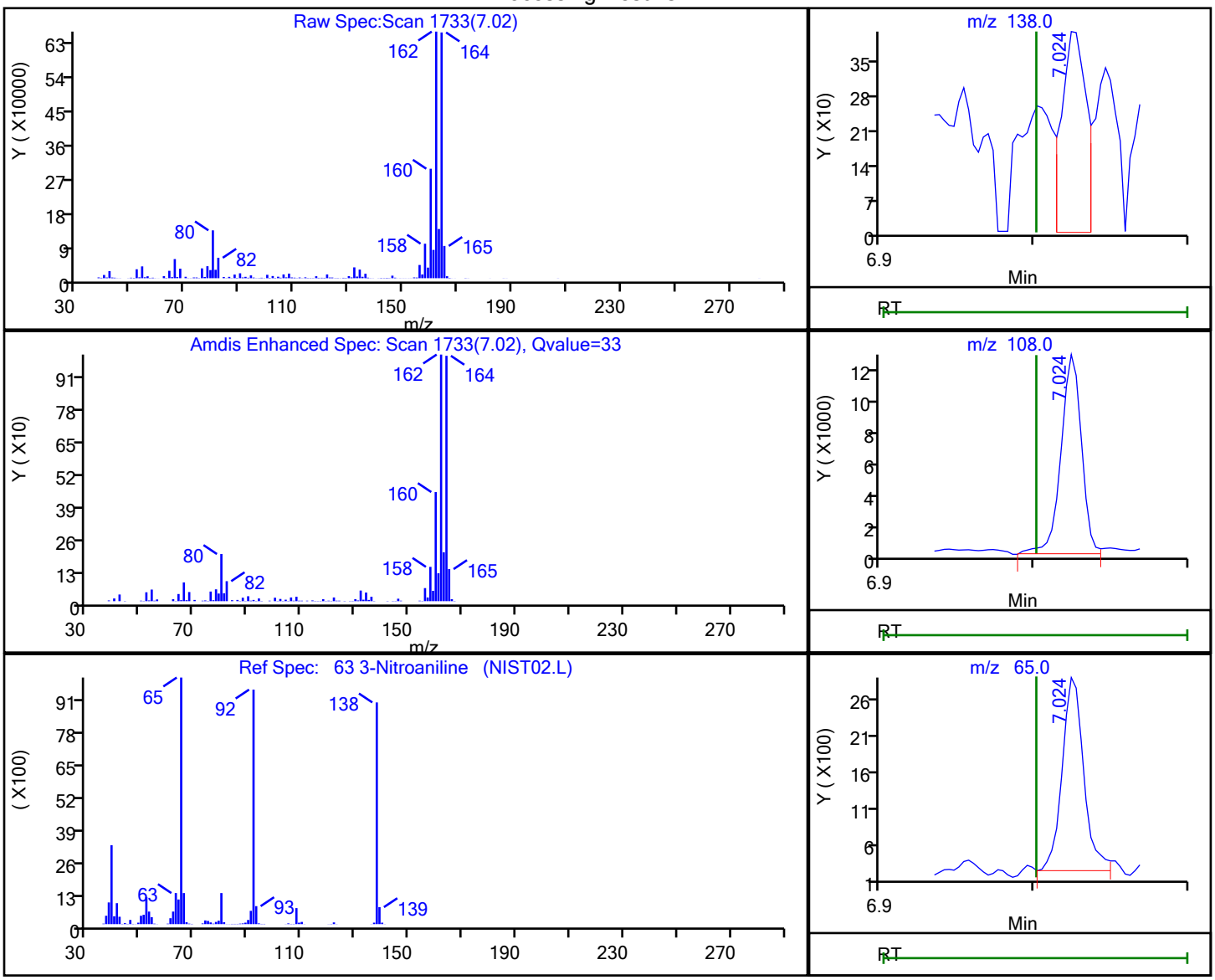
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 3-Nitroaniline, CAS: 99-09-2

Processing Results



RT	Mass	Response	Amount
7.02	138.00	463	0.021079
7.02	108.00	11436	
7.02	65.00	2492	

Reviewer: U6BX, 22-Mar-2024 18:07:01 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

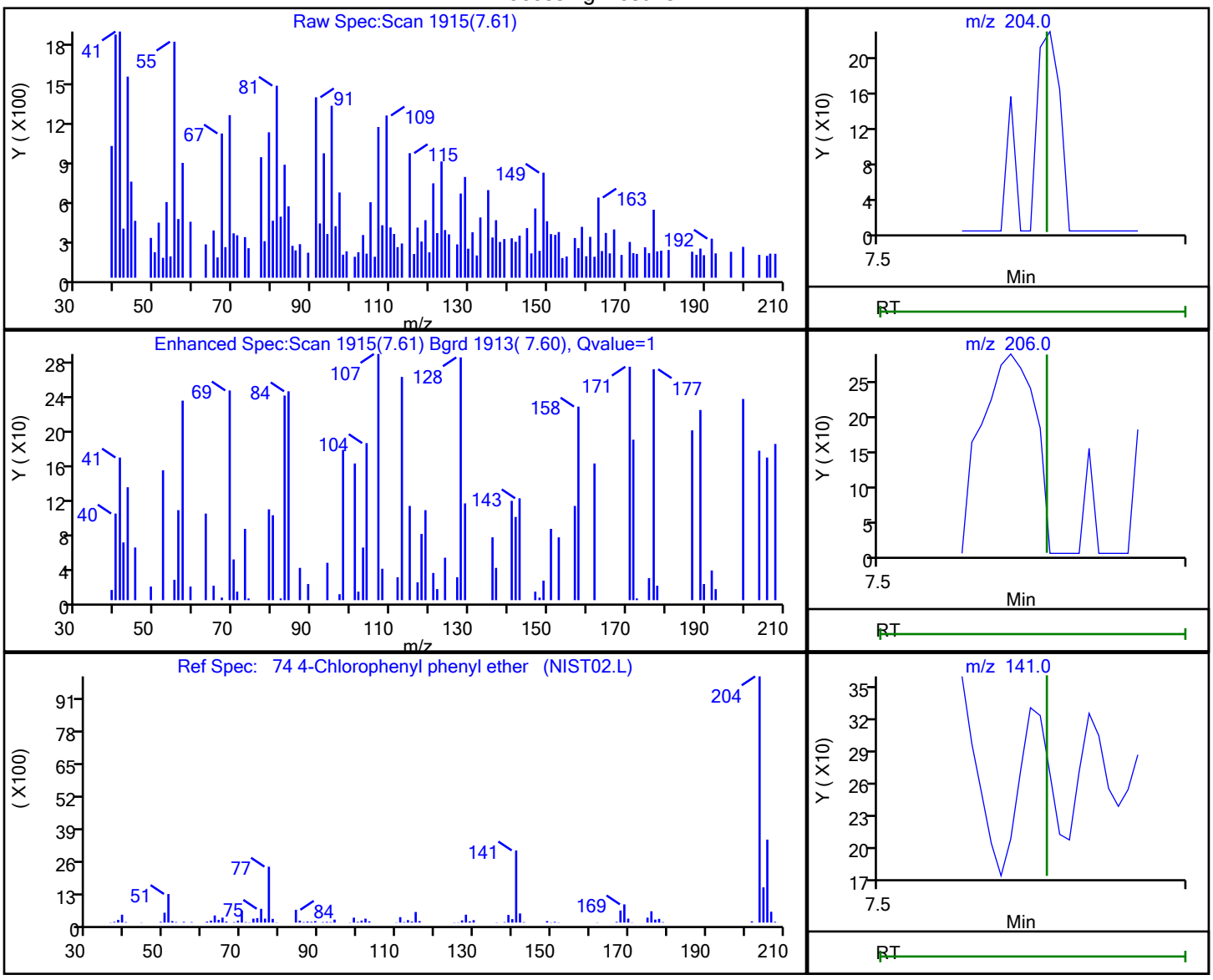
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 4-Chlorophenyl phenyl ether, CAS: 7005-72-3

Processing Results



RT	Mass	Response	Amount
7.61	204.00	66	0.001366
7.61	206.00	151	
7.61	141.00	96	

Reviewer: U6BX, 22-Mar-2024 18:07:05 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

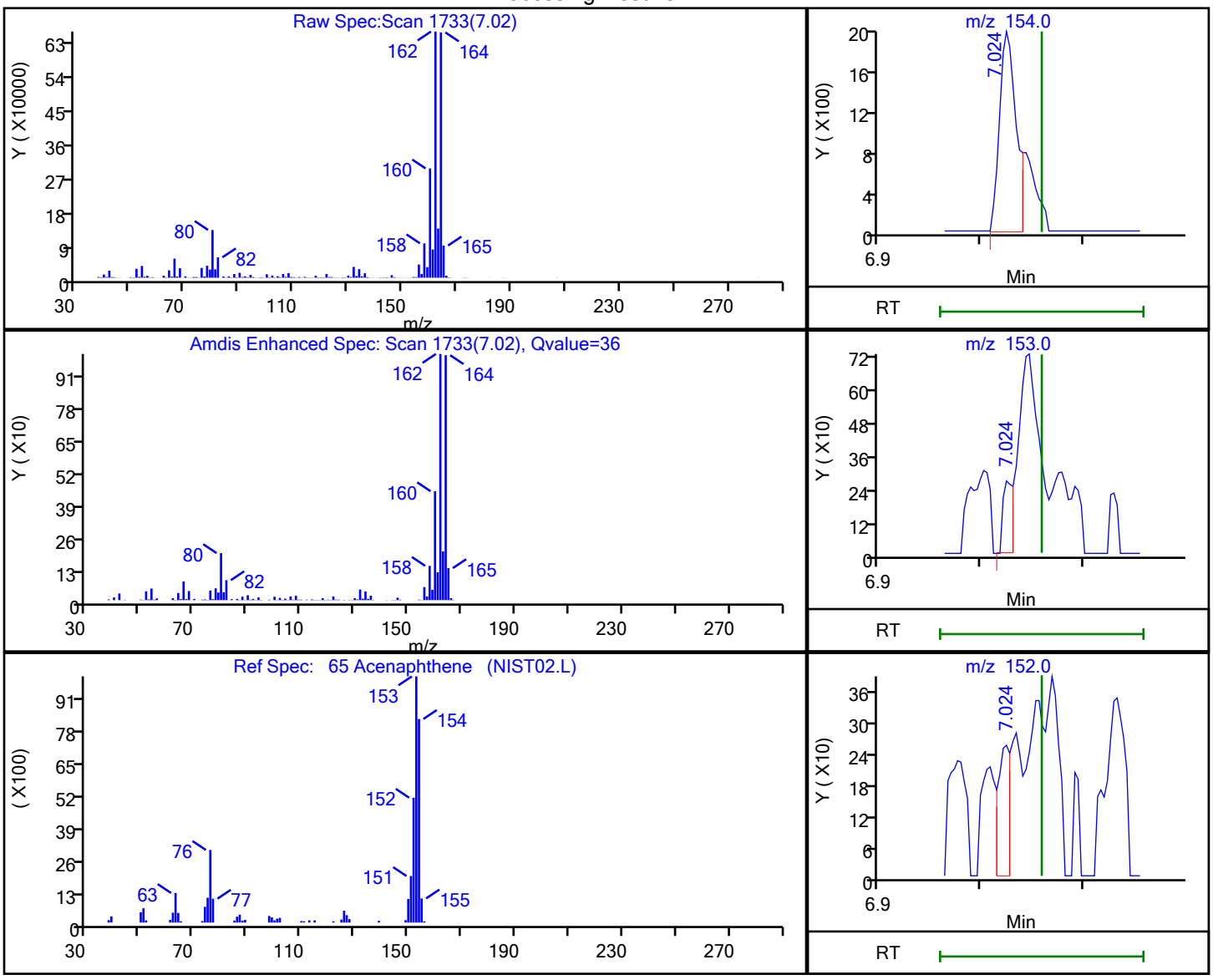
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

Processing Results



RT	Mass	Response	Amount
7.02	154.00	2265	0.027039
7.02	153.00	185	
7.02	152.00	212	

Reviewer: U6BX, 22-Mar-2024 18:07:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

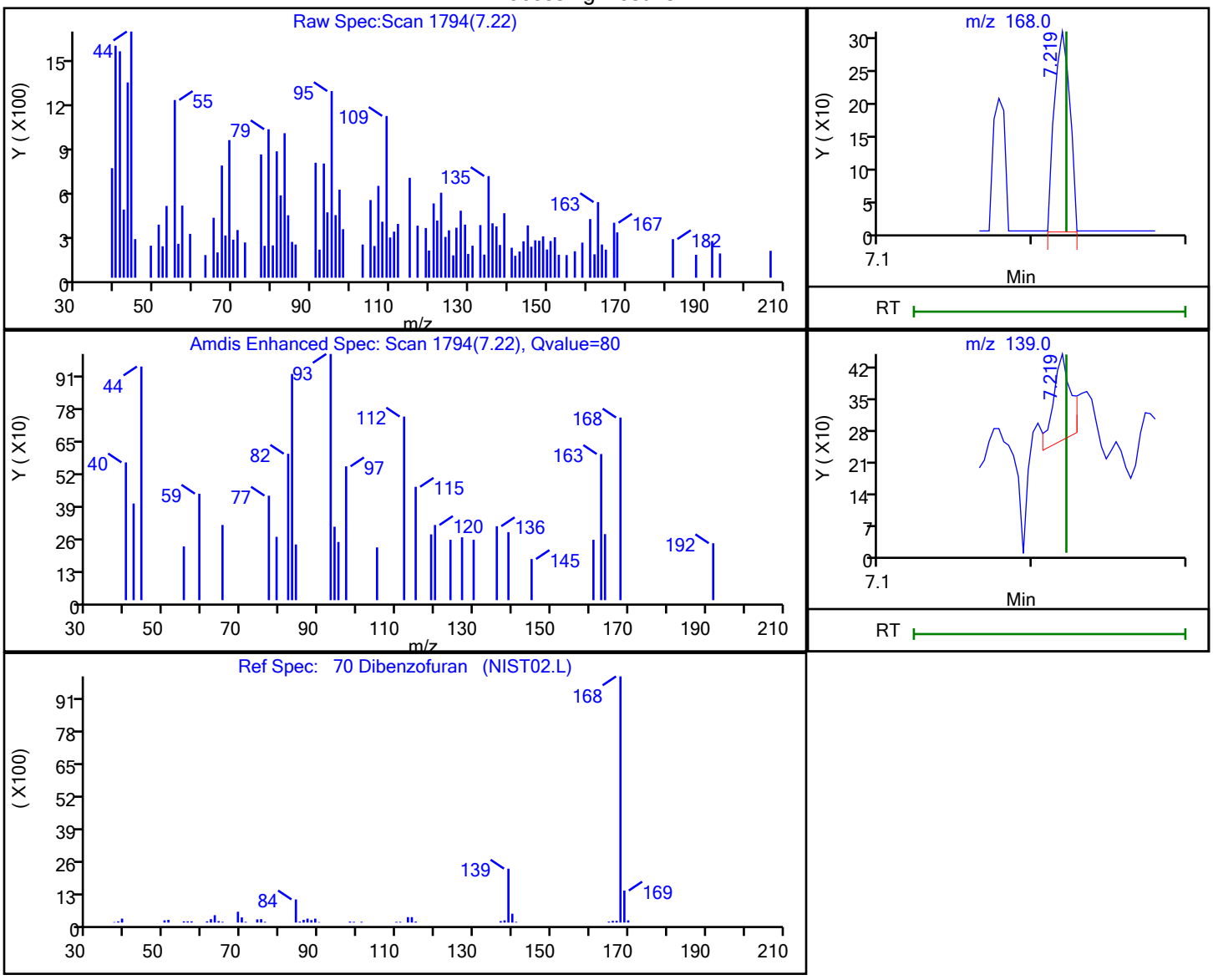
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

Processing Results



RT	Mass	Response	Amount
7.22	168.00	218	0.001738
7.22	139.00	158	

Reviewer: U6BX, 22-Mar-2024 18:07:04 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

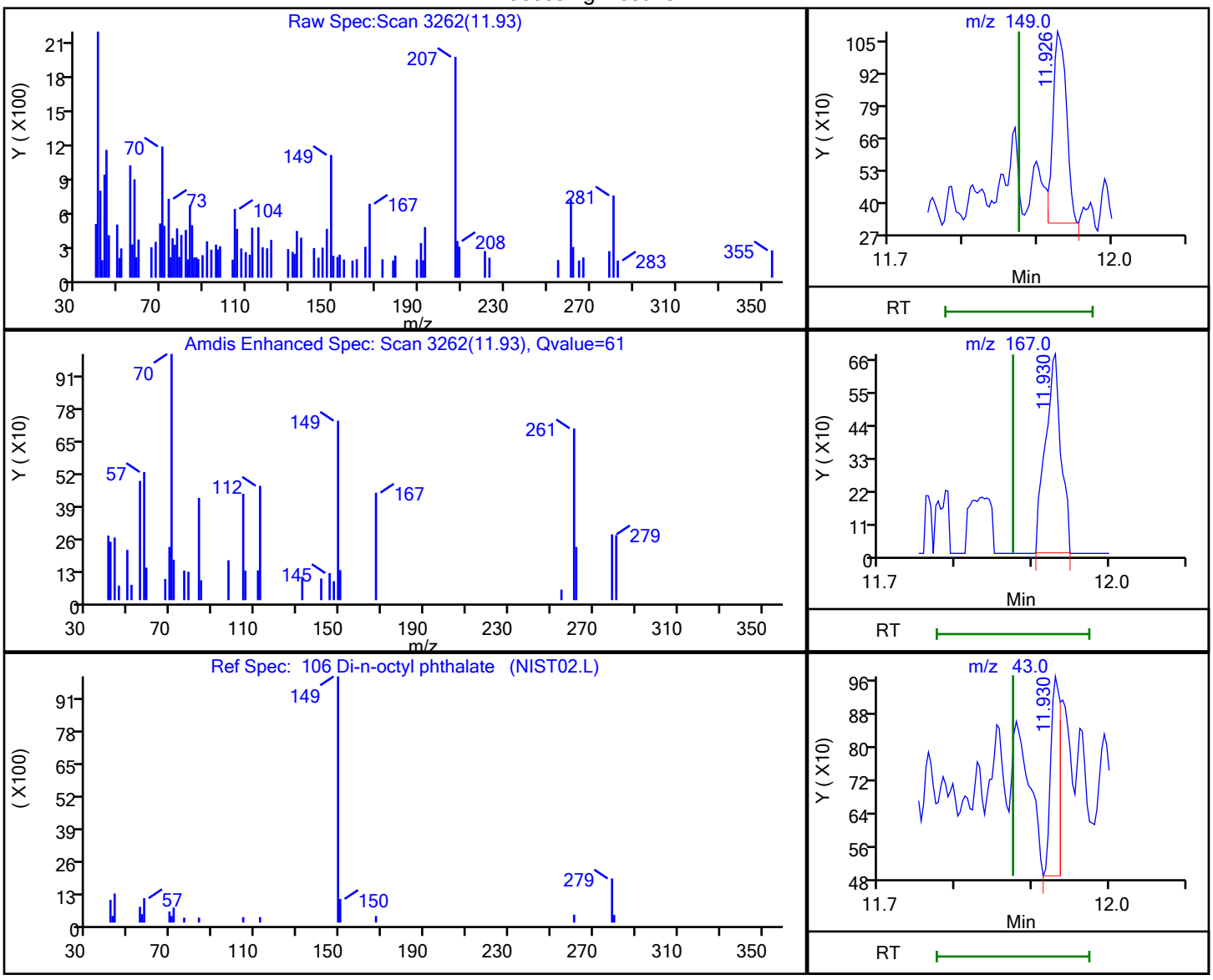
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.93	149.00	977	0.008867
11.93	167.00	958	
11.93	43.00	419	

Reviewer: U6BX, 22-Mar-2024 18:07:08 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

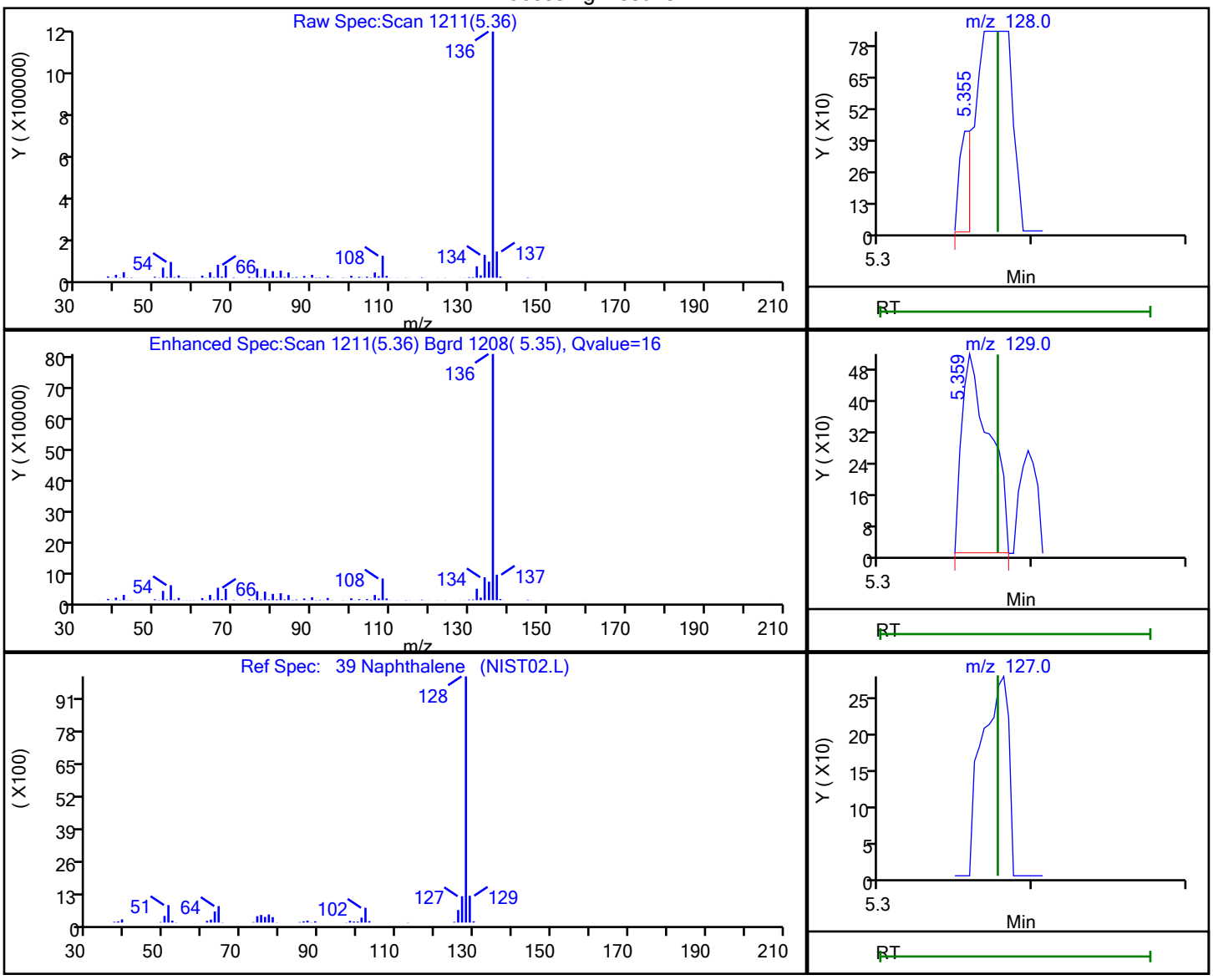
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84279.D				
Injection Date:	22-Mar-2024 15:59:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300430-G-3-A	Lab Sample ID:	460-300430-3		
Client ID:	MW-13				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
5.36	128.00	221	0.001624
5.36	129.00	651	
5.38	127.00	0	

Reviewer: U6BX, 22-Mar-2024 18:06:56 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962239/10	N48940.d
Level 2	STD02 460-962239/9	N48938.d
Level 3	STD04 460-962239/8	N48936.d
Level 4	STD1 460-962239/7	N48934.d
Level 5	STD2 460-962239/6	N48932.d
Level 6	STD4 460-962239/5	N48930.d
Level 7	ICIS 460-962239/2	N48924.d
Level 8	STD16 460-962239/4	N48928.d
Level 9	STD24 460-962239/3	N48926.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6108	0.5455	0.5875	0.5767 0.5821	0.5911	Ave		0.5823			0.0100	3.7		20.0			
N-Nitrosodimethylamine	0.9259	0.8362	0.9006	0.8778 0.8819	0.8862	Ave		0.8848			0.0100	3.3		20.0			
Pyridine	1.1290 1.5262	1.3091 1.1220	1.3802	1.4439 1.2722	1.4938	Ave		1.3346			0.0100	11.6		20.0			
Benzaldehyde	1.1608	1.0908 +++++	1.0543 +++++	1.1557 +++++	1.1443	Ave		1.1212			0.0100	4.2		20.0			
Phenol	1.9728	1.7657	1.8705	1.9244 1.7900	1.9562	Ave		1.8799			0.8000	4.6		20.0			
Aniline	2.1674	1.9562	1.9652	2.1190 1.8513	2.1670	Ave		2.0377			0.0100	6.5		20.0			
Bis(2-chloroethyl)ether	1.4216 1.4489	1.3649 1.2922	1.3644	1.4144 1.3160	1.4060	Ave		1.3785			0.7000	3.9		20.0			
2-Chlorophenol	1.5162	1.3673	1.4335	1.4491 1.3798	1.4714	Ave		1.4362			0.8000	3.9		20.0			
n-Decane	1.3357	1.1793	1.2475	1.2763 1.1795	1.3267	Ave		1.2575			0.0100	5.5		20.0			
1,3-Dichlorobenzene	1.6974	1.4984	1.5921	1.6798 1.5013	1.6847	Ave		1.6090			0.0100	5.7		20.0			
1,4-Dichlorobenzene	1.7144	1.5155	1.5946	1.6914 1.5017	1.7081	Ave		1.6210			0.0100	6.0		20.0			
Benzyl alcohol	0.8928	0.8008	0.8455	0.8735 0.8209	0.8504	Ave		0.8473			0.0100	4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.6130	1.4237	1.4933	1.5640 1.4137	1.6035	Ave		1.5185			0.0100	5.8		20.0			
2-Methylphenol	1.2767	1.1394	1.1919	1.2800 1.1194	1.2747	Ave		1.2137			0.7000	6.1		20.0			
2,2'-oxybis[1-chloropropane]	1.6063	1.3985	1.4488	1.6087 1.3079	1.5797	Ave		1.4916			0.0100	8.4		20.0			
N-Methylaniline	1.4525 2.1288	1.7750 1.9790	2.0581	2.1143 1.9531	2.1165	Ave		1.9472			0.0100	11.9		20.0			
N-Nitrosodi-n-propylamine	0.7700 0.9302	0.8720 0.8201	0.8505	0.9722 0.7787	0.9297	Ave		0.8654			0.5000	8.6		20.0			
Acetophenone	1.9914	1.7365	1.7652	2.0144 1.6229	1.9805	Ave		1.8518			0.0100	8.9		20.0			
3 & 4 Methylphenol	1.4588	1.2788	1.3295	1.4267 1.2283	1.4221	Ave		1.3574			0.0100	6.8		20.0			
4-Methylphenol	1.4588	1.2788	1.3295	1.4267 1.2283	1.4221	Ave		1.3574			0.6000	6.8		20.0			
Hexachloroethane	0.5688 0.6199	0.5700 0.5450	0.5759	0.5924 0.5464	0.6014	Ave		0.5775			0.3000	4.5		20.0			
Nitrobenzene	0.6416 0.7232	0.5957 0.6274	0.6606	0.7012 0.6152	0.7157	Ave		0.6601			0.2000	7.3		20.0			
n,n'-Dimethylaniline	1.9327 2.1035	2.0244 1.9636	1.9986	2.0911 1.9100	2.0916	Ave		2.0144			0.0100	3.8		20.0			
Isophorone	0.7029	0.5842 0.6189	0.6452	0.6841 0.6194	0.6907	Ave		0.6493			0.4000	6.8		20.0			
2-Nitrophenol	0.2131	0.1991	0.2108	0.2018 0.2037	0.2089	Ave		0.2062			0.1000	2.7		20.0			
2,4-Dimethylphenol	0.3191	0.3090	0.3013	0.3171 0.2906	0.3137	Ave		0.3085			0.2000	3.5		20.0			
Bis(2-chloroethoxy)methane	0.4589	0.4083	0.4254	0.4560 0.4058	0.4481	Ave		0.4338			0.3000	5.5		20.0			
Benzoic acid	0.1656	0.1769	0.2196	0.0865 0.2196	0.1253	Lin1	-0.168	0.2204			0.0100	10.9					
2,4-Dichlorophenol	0.3229	0.2955	0.3088	0.3063 0.2965	0.3160	Ave		0.3077			0.2000	3.5		20.0			
1,2,4-Trichlorobenzene	0.3590 0.3693	0.3659 0.3299	0.3451	0.3545 0.3328	0.3604	Ave		0.3521			0.0100	4.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.1550 1.1746	1.1435 1.0383	1.0710	1.1774 0.9848	1.1821	Ave		1.1158			0.7000	6.7		20.0			
4-Chloroaniline	0.3630 0.4667	0.3820 0.4113	0.4120	0.4667 0.3814	0.4645	Ave		0.4185			0.0100	10.2		20.0			
2,6-Dichlorophenol	0.3167	0.2863	0.3019	0.3143 0.2841	0.3211	Ave		0.3041				5.3		20.0			
Hexachlorobutadiene	0.1870 0.1967	0.1937 0.1792	0.1895	0.2022 0.1836	0.1968	Ave		0.1911			0.0100	4.0		20.0			
Caprolactam	0.0850	0.0464 0.0778	0.0576 0.0859	0.0775 0.0818	0.0778	Ave		0.0737			0.0100	19.1		20.0			
4-Chloro-3-methylphenol	0.2987	0.2700	0.2805	0.2789 0.2708	0.2889	Ave		0.2813			0.2000	3.9		20.0			
2-Methylnaphthalene	0.7253	0.6712 0.6418	0.6681	0.7244 0.6314	0.7266	Ave		0.6841			0.4000	6.0		20.0			
1-Methylnaphthalene	0.6774	0.6202 0.6009	0.6152	0.6787 0.5789	0.6630	Ave		0.6335			0.0100	6.2		20.0			
Hexachlorocyclopentadiene	0.4703	0.4559	0.4742	0.4114 0.4665	0.4490	Ave		0.4546			0.0500	5.1		20.0			
1,2,4,5-Tetrachlorobenzene	0.6887	0.6303	0.6759	0.6582 0.6401	0.6827	Ave		0.6627			0.0100	3.6		20.0			
2-tertbutyl-4-methylphenol	0.4097	0.3142 0.4015	0.4052	0.4007 0.3963	0.3931	Ave		0.3887			0.0100	8.6		20.0			
2,4,6-Trichlorophenol	0.4305	0.3353 0.4055	0.4262	0.4024 0.4084	0.4276	Ave		0.4052			0.2000	8.1		20.0			
2,4,5-Trichlorophenol	0.4682	0.4320	0.4642	0.4293 0.4457	0.4520	Ave		0.4486			0.2000	3.6		20.0			
1,1'-Biphenyl	1.7517	1.5801	1.6629	1.7111 1.5257	1.7377	Ave		1.6615			0.0100	5.5		20.0			
2-Chloronaphthalene	1.3639	1.2311	1.3078	1.3324 1.2135	1.3647	Ave		1.3022			0.8000	5.0		20.0			
Phenyl ether	0.8825	0.8717	0.9061	0.8660 0.8726	0.8990	Ave		0.8830			0.0100	1.8		20.0			
2-Nitroaniline	0.4162	0.3849	0.4124	0.3879 0.3893	0.4045	Ave		0.3992			0.0100	3.4		20.0			
1,3-Dimethylnaphthalene	1.0038	0.9747	1.0128	0.9696 0.9835	1.0080	Ave		0.9921			0.0100	1.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.3889	1.2217	1.2954	1.3414 1.2092	1.3621	Ave		1.3031			0.0100	5.7		20.0			
Coumarin	0.2126	0.2012	0.2018	0.2121 0.1972	0.2119	Ave		0.2061			0.0100	3.3		20.0			
2,6-Dinitrotoluene	0.3249	0.2333 0.2919	0.3131	0.3038 0.2969	0.3223	Ave		0.2980			0.2000	10.4		20.0			
Acenaphthylene	2.1671	1.7872	2.0071	2.1216 1.8053	2.1635	Ave		2.0086			0.9000	8.7		20.0			
3-Nitroaniline	0.3540	0.3109	0.3282	0.3300 0.3052	0.3510	Ave		0.3299			0.0100	6.1		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0547	1.0311	1.0862	1.0328 1.0510	1.0339	Ave		1.0483			0.0100	2.0		20.0			
Acenaphthene	1.2197	1.0851	1.1335	1.2008 1.0406	1.2126	Ave		1.1487			0.9000	6.5		20.0			
2,4-Dinitrophenol	0.1589	0.1508	0.1909	0.0918 0.1805	0.1260	Lin2	-0.184	0.1798			0.0100				0.9920		0.9900
4-Nitrophenol	0.2061	0.1874	0.2074	0.1713 0.1914	0.1919	Ave		0.1926			0.0100	6.9		20.0			
2,4-Dinitrotoluene	0.4005	0.2691 0.3558	0.3883	0.3852 0.3671	0.3989	Ave		0.3664			0.2000	12.5		20.0			
Dibenzofuran	1.8388	1.6073	1.6856	1.8039 1.5545	1.8382	Ave		1.7214			0.8000	7.2		20.0			
2,3,4,6-Tetrachlorophenol	0.3550	0.3192	0.3453	0.3185 0.3294	0.3336	Ave		0.3335			0.0100	4.3		20.0			
Diethyl phthalate	1.2562	1.1232	1.2109	1.2038 1.1465	1.2426	Ave		1.1972			0.0100	4.4		20.0			
Fluorene	1.4283	1.2426	1.2951	1.4122 1.2000	1.4169	Ave		1.3325			0.9000	7.5		20.0			
4-Chlorophenyl phenyl ether	0.6839	0.6147	0.6485	0.6878 0.6080	0.6903	Ave		0.6555			0.4000	5.7		20.0			
4-Nitroaniline	0.3246	0.2883	0.2892	0.2925 0.2853	0.3116	Ave		0.2986			0.0100	5.3		20.0			
4,6-Dinitro-2-methylphenol	0.1331	0.1289	0.1418	0.1011 0.1373	0.1223	Ave		0.1274			0.0100	11.4		20.0			
N-Nitrosodiphenylamine	0.6221	0.5577	0.5823	0.6011 0.5624	0.6202	Ave		0.5910			0.0100	4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.8461	0.7574	0.8086	0.8053 0.7746	0.8395	Ave		0.8053			0.0100	4.3		20.0			
Azobenzene	0.8462	0.7574	0.8086	0.8053 0.7747	0.8399	Ave		0.8054				4.3		20.0			
4-Bromophenyl phenyl ether	0.2569	0.2324	0.2523	0.2504 0.2433	0.2543	Ave		0.2483			0.1000	3.6		20.0			
Hexachlorobenzene	0.3105 0.3374	0.3274 0.3022	0.3238	0.3233 0.3097	0.3352	Ave		0.3212			0.1000	3.9		20.0			
Atrazine	0.1935	0.1404 0.1857	0.1548 0.2015	0.1832 0.1978	0.1913	Ave		0.1810			0.0100	12.0		20.0			
Pentachlorophenol	0.1690	0.1601	0.1835	0.1338 0.1778	0.1512	Ave		0.1625			0.0500	11.3		20.0			
Pentachloronitrobenzene	0.0914	0.0866	0.0942	0.0788 0.0941	0.0871	Ave		0.0887			0.0100	6.6		20.0			
n-Octadecane	0.4988	0.4658	0.4966	0.4435 0.4713	0.4745	Ave		0.4751			0.0100	4.3		20.0			
Phenanthrene	1.1463	1.0232	1.0661	1.1376 1.0010	1.1520	Ave		1.0877			0.7000	6.1		20.0			
Anthracene	1.1773	1.0418	1.1030	1.1487 1.0252	1.1662	Ave		1.1104			0.7000	5.8		20.0			
Carbazole	0.9989	0.8821	0.9364	0.9499 0.8715	0.9941	Ave		0.9388			0.0100	5.7		20.0			
Di-n-butyl phthalate	1.0052	0.9588	1.0799	0.8240 1.0083	0.9292	Ave		0.9676			0.0100	9.0		20.0			
Fluoranthene	1.0495	0.8476 0.9392	1.0179	0.9531 0.9384	1.0239	Ave		0.9671			0.6000	7.1		20.0			
Benzidine	0.4450	0.3242	0.4678	0.3740 0.4110	0.4260	Ave		0.4080			0.0100	12.7		20.0			
Pyrene	1.7361	1.5985 1.5198	1.5117	1.8129 1.5254	1.7329	Ave		1.6339			0.6000	7.6		20.0			
Bisphenol-A	0.5167	0.5038	0.5440	0.3619 0.5481	0.4331	Ave		0.4846				15.1		20.0			
Butyl benzyl phthalate	0.5563	0.5365	0.5953	0.4084 0.6065	0.4808	Ave		0.5307			0.0100	14.1		20.0			
2,3,7,8-TCDD		0.2910				Ave		0.2910			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 Calibration End Date: 03/04/2024 16:11 Calibration ID: 96170

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.3853	0.4162	0.4857	0.2164 0.4779	0.3077	Lin2	-0.271	0.4696			0.0100				0.9950		0.9900
3,3'-Dichlorobenzidine	0.4866	0.3010 0.4627	0.5384	0.3843 0.5115	0.4446	Ave		0.4470			0.0100	18.2		20.0			
Benzo[a]anthracene	1.1718 1.3168	1.1507 1.2118	1.2691	1.2554 1.2471	1.2608	Ave		1.2354			0.8000	4.4		20.0			
Chrysene	1.2446	1.1714 1.1068	1.1761	1.2200 1.1533	1.2237	Ave		1.1851			0.7000	4.0		20.0			
Bis(2-ethylhexyl) phthalate	0.7298	0.3823 0.7081	0.8044	0.4822 0.7783	0.6486	Qua1	-0.093	0.7110	0.0035546						0.9980		0.9900
Di-n-octyl phthalate	1.1360	1.1406	1.2719	0.7043 1.2535	0.9617	Ave		1.0780			0.0100	19.8		20.0			
Benzo[b]fluoranthene	0.9916 1.2324	1.0326 1.1457	1.2221	1.1275 1.1779	1.1808	Ave		1.1388			0.7000	7.6		20.0			
Benzo[k]fluoranthene	0.8739 1.3261	0.9952 1.1908	1.2410	1.2403 1.1979	1.2719	Ave		1.1671			0.7000	13.1		20.0			
Benzo[a]pyrene	0.7019 1.0715	0.7754 1.0042	1.0997	0.9645 1.0938	0.9938	Ave		0.9631			0.7000	15.4		20.0			
Indeno[1,2,3-cd]pyrene	0.8107 1.1665	0.9544 1.1578	1.2078	0.9321 1.2097	1.1070	Ave		1.0683			0.5000	14.0		20.0			
Dibenz(a,h)anthracene	0.9953 1.3239	1.0907 1.2074	1.3288	1.0535 1.2848	1.2790	Ave		1.1954			0.4000	11.0		20.0			
Benzo[g,h,i]perylene	1.3115	1.1926	1.2908	1.0977 1.2667	1.2733	Ave		1.2388			0.5000	6.5		20.0			
2-Fluorophenol (Surr)	1.3862	1.1743 1.3499	1.4321	1.3208 1.4618	1.3418	Ave		1.3524			0.0100	6.9		20.0			
Phenol-d5 (Surr)	1.3360 1.6430	1.4355 1.6204	1.7057	1.6093 1.7027	1.6325	Ave		1.5857			0.0100	8.3		20.0			
Nitrobenzene-d5 (Surr)	0.3002 0.3886	0.3397 0.3805	0.3921	0.3752 0.3902	0.3868	Ave		0.3691			0.0100	8.8		20.0			
2-Fluorobiphenyl	1.4104 1.5217	1.4618 1.4750	1.5426	1.5360 1.4773	1.5367	Ave		1.4952			0.0100	3.1		20.0			
2,4,6-Tribromophenol (Surr)	0.2776	0.2015 0.2816	0.2962	0.2750 0.2954	0.2861	Ave		0.2734			0.0100	12.0		20.0			
Terphenyl-d14 (Surr)	1.0718 1.3158	1.1579 1.2692	1.2630	1.3932 1.3257	1.3335	Ave		1.2663			0.0100	8.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962239/10	N48940.d
Level 2	STD02 460-962239/9	N48938.d
Level 3	STD04 460-962239/8	N48936.d
Level 4	STD1 460-962239/7	N48934.d
Level 5	STD2 460-962239/6	N48932.d
Level 6	STD4 460-962239/5	N48930.d
Level 7	ICIS 460-962239/2	N48924.d
Level 8	STD16 460-962239/4	N48928.d
Level 9	STD24 460-962239/3	N48926.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	179312	432056	668731	58525 1127026	92996	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodimethylamine	DCBd4	Ave	271835	662283	1025068	89089 1707538	139437	4.00	10.0	16.0	1.00 24.0	2.00
Pyridine	DCBd4	Ave	16317 896126	39009 1777297	3141978	293073 4926343	470048	0.200 8.00	0.400 20.0	32.0	2.00 48.0	4.00
Benzaldehyde	DCBd4	Ave	272628	16252 +++++	33679 +++++	117289 +++++	180032	3.20	0.200 +++++	0.400 +++++	1.00 +++++	2.00
Phenol	DCBd4	Ave	579175	1398467	2129075	195297 3465634	307785	4.00	10.0	16.0	1.00 24.0	2.00
Aniline	DCBd4	Ave	636307	1549296	2236974	215050 3584437	340939	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethyl)ether	DCBd4	Ave	10273 425355	20336 1023418	1553004	143538 2547971	221207	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Chlorophenol	DCBd4	Ave	445135	1082911	1631650	147064 2671376	231510	4.00	10.0	16.0	1.00 24.0	2.00
n-Decane	DCBd4	Ave	392128	934006	1419966	129524 2283668	208742	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd4	Ave	498311	1186768	1812209	170477 2906742	265065	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd4	Ave	503306	1200300	1815101	171656 2907521	268752	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd4	Ave	262109	634239	962416	88652 1589400	133794	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd4	Ave	473543	1127575	1699813	158726 2737126	252293	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd4	Ave	374802	902422	1356698	129904 2167209	200550	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd4	Ave				163263	248538				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			471566	1107643	1649085	2532278		4.00	10.0	16.0	24.0	
N-Methylaniline	DCBd4	Ave	10496 624974	26446 1567385	2342655	214572 3781520	333000	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd4	Ave	5564 273078	12992 649485	968102	98669 1507693	146279	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd4	Ave	584649	1375291	2009282	204439 3142115	311606	4.00	10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd4	Ave	428268	1012777	1513352	144794 2378116	223753	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd4	Ave	428268	1012777	1513352	144794 2378116	223753	4.00	10.0	16.0	1.00 24.0	2.00
Hexachloroethane	DCBd4	Ave	4110 181999	8493 431631	655510	60117 1057939	94621	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene	DCBd4	Ave	4636 212321	8875 496885	751910	71166 1191027	112605	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd4	Ave	13966 617541	30161 1555209	2274974	212220 3697936	329083	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	728874	31087 1681962	2531164	249933 4084284	382642	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	220977	541186	826962	73733 1342995	115757	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	330902	839678	1182101	115828 1916555	173817	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	475870	1109708	1668787	166586 2676138	248240	4.00	10.0	16.0	1.00 24.0	2.00
Benzoic acid	NPT	Lin1	171743	480813	861609	31585 1448266	69446	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	334852	803035	1211558	111893 1954947	175080	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	9322 382922	19470 896566	1353954	129515 2194462	199693	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	29990 1218049	60849 2821668	4201733	430122 6493551	654884	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	9427 483941	20326 1117748	1616182	170508 2515182	257346	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	328394	777932	1184601	114810 1873169	177885	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	4856 203939	10306 487045	743540	73856 1210870	109012	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Caprolactam	NPT	Ave	70535	2470 84545	6656 101078	28327 143798	43098	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	309768	733725	1100576	101884 1785689	160056	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave	752116	35717 1744172	2621167	264656 4163594	402535	4.00	0.200 10.0	16.0	1.00 24.0	2.00
1-Methylnaphthalene	NPT	Ave	702408	33002 1632979	2413485	247956 3817579	367326	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	240208	596596	864033	76783 1443105	122584	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	351745	824772	1231561	122850 1980277	186382	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	424821	16719 1090987	1589724	146378 2613404	217770	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	219887	8963 530661	776485	75111 1263547	116753	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	239139	565362	845802	80124 1378723	123395	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	894632	2067686	3029908	319371 4719782	474403	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	696571	1610978	2382941	248690 3753969	372577	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	450732	1140726	1650962	161639 2699554	245435	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	212565	503711	751340	72402 1204297	110441	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	512678	1275526	1845363	180961 3042528	275190	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	709328	1598702	2360248	250371 3740711	371874	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	220433	546691	791612	77474 1300366	117394	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	165940	6237 381912	570446	56702 918436	87989	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	1106810	2338668	3657026	395977 5584780	590659	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	180797	406787	598080	61589 944205	95818	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	538687	1349287	1979060	192768 3251271	282260	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave	622926	1419879	2065259	224129 3219190	331049	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dinitrophenol	ANT	Lin2				34271	68794				2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			162284	394775	695682	1116664		8.00	20.0	32.0	48.0	
4-Nitrophenol	ANT	Ave	210474	490526	755616	63956 1184263	104793	8.00	20.0	32.0	2.00 48.0	4.00
2,4-Dinitrotoluene	ANT	Ave	204536	7192 465623	707584	71902 1135658	108903	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenzofuran	ANT	Ave	939115	2103303	3071183	336684 4808796	501839	4.00	10.0	16.0	1.00 24.0	2.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	181317	417694	629245	59447 1019117	91069	4.00	10.0	16.0	1.00 24.0	2.00
Diethyl phthalate	ANT	Ave	641555	1469734	2206330	224687 3546735	339251	4.00	10.0	16.0	1.00 24.0	2.00
Fluorene	ANT	Ave	729481	1626050	2359762	263569 3712290	386827	4.00	10.0	16.0	1.00 24.0	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	349266	804448	1181675	128370 1880977	188465	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitroaniline	ANT	Ave	165775	377277	526892	54601 882524	85067	4.00	10.0	16.0	1.00 24.0	2.00
4,6-Dinitro-2-methylphenol	PHN	Ave	214404	529821	810376	61607 1303186	106034	8.00	20.0	32.0	2.00 48.0	4.00
N-Nitrosodiphenylamine	PHN	Ave	501232	1146333	1663736	183056 2669928	268767	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Diphenylhydrazine	PHN	Ave	681702	1556845	2310495	245268 3677478	363787	4.00	10.0	16.0	1.00 24.0	2.00
Azobenzene	PHN	Ave	681766	1556817	2310495	245268 3678050	363963	4.00	10.0	16.0	1.00 24.0	2.00
4-Bromophenyl phenyl ether	PHN	Ave	207012	477807	720883	76266 1154984	110193	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobenzene	PHN	Ave	6638 271812	14453 621169	925276	98466 1470100	145267	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Atrazine	PHN	Ave	124684	6198 152661	14732 172709	55786 250422	82895	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Pentachlorophenol	PHN	Ave	272267	658119	1048427	81468 1687831	131028	8.00	20.0	32.0	2.00 48.0	4.00
Pentachloronitrobenzene	PHN	Ave	73634	178054	269309	24002 446639	37723	4.00	10.0	16.0	1.00 24.0	2.00
n-Octadecane	PHN	Ave	401863	957464	1418920	135054 2237290	205621	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	923537	2103184	3046261	346453 4752317	499215	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	948476	2141446	3151638	349846 4867249	505375	4.00	10.0	16.0	1.00 24.0	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	804739	1813255	2675692	289282 4137573	430798	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	809868	1970958	3085619	250952 4786700	402658	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	845555	37420 1930709	2908450	290257 4455097	443694	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	358523	666351	1336617	113894 1951081	184620	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	867535	41155 1980378	2933766	307891 4419411	458063	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Ave	258217	656497	1055808	61454 1588000	114485	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	278008	699060	1155402	69365 1757245	127094	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		3792					0.100			
Carbamazepine	CRY	Lin2	192537	542302	942664	36752 1384551	81329	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	243132	7750 602968	1044907	65270 1481938	117520	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	14704 658009	29627 1579048	2462965	213207 3613222	333266	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	621917	30159 1442310	2282562	207196 3341392	323456	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Qua1	364690	9842 922708	1561067	81886 2254780	171455	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	577262	1530971	2664269	105831 3778972	254189	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	12293 626246	26621 1537745	2559925	169417 3550874	312086	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[k]fluoranthene	PRY	Ave	10834 673873	25655 1598373	2599553	186365 3611338	336167	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	8701 544486	19989 1347884	2303623	144932 3297565	262671	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	10050 592772	24604 1554002	2530054	140060 3646957	292595	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	12339 672789	28118 1620616	2783392	158305 3873294	338056	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	666488	1600801	2703846	164934 3818630	336551	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd4	Ave		17495		134040	211116		0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			406956	1069104	1630128	2830222		4.00	10.0	16.0	24.0	
Phenol-d5 (Surr)	DCBd4	Ave	9654 482363	21388 1283390	1941592	163319 3296718	256854	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	7794 402936	18076 1033971	1538180	137064 2572991	214286	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	18267 777178	39073 1930178	2810623	286682 4569958	419530	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	141780	5386 368549	539602	51329 913922	78117	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	13450 657502	29812 1653933	2451164	236604 3840826	352504	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962239

SDG No.:

Instrument ID: CBNAMS14 | GC Column: Rtxi-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 10:25 | Calibration End Date: 03/04/2024 16:11 | Calibration ID: 96170

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962239/10	N48940.d
Level 2	STD02 460-962239/9	N48938.d
Level 3	STD04 460-962239/8	N48936.d
Level 4	STD1 460-962239/7	N48934.d
Level 5	STD2 460-962239/6	N48932.d
Level 6	STD4 460-962239/5	N48930.d
Level 7	ICIS 460-962239/2	N48924.d
Level 8	STD16 460-962239/4	N48928.d
Level 9	STD24 460-962239/3	N48926.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzoic acid				15.6						30		
2,4-Dinitrophenol				2.3						30		
Carbamazepine				3.7						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48924.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 04-Mar-2024 10:25:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-002
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:26 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 10:52:32

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.862	1.862	0.000	92	432056	10.0	9.37	
	2 N-Nitrosodimethylamine	74	2.066	2.066	0.000	95	662283	10.0	9.45	
	3 Pyridine	79	2.101	2.101	0.000	96	1777297	20.0	16.8	
$	4 2-Fluorophenol	112	3.162	3.162	0.000	97	1069104	10.0	9.98	
	5 Benzaldehyde	77	3.969	3.969	0.000	97	130218	4.00	1.47	
$	6 Phenol-d5	99	4.043	4.043	0.000	94	1283390	10.0	10.2	
	7 Phenol	94	4.056	4.056	0.000	97	1398467	10.0	9.39	
	8 Aniline	93	4.072	4.072	0.000	97	1549296	10.0	9.60	
	9 Bis(2-chloroethyl)ether	93	4.132	4.132	0.000	98	1023418	10.0	9.37	
	10 Benzonitrile	103	4.148	4.148	0.000	97	2021545	NC	NC	
	11 2-Chlorophenol	128	4.193	4.193	0.000	98	1082911	10.0	9.52	
	12 n-Decane	43	4.231	4.231	0.000	89	934006	10.0	9.38	
	13 1,3-Dichlorobenzene	146	4.334	4.334	0.000	96	1186768	10.0	9.31	
*	14 1,4-Dichlorobenzene-d4	152	4.388	4.388	0.000	95	633602	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.404	4.404	0.000	95	1200300	10.0	9.35	
	16 Benzyl alcohol	108	4.519	4.519	0.000	96	634239	10.0	9.45	
	17 1,2-Dichlorobenzene	146	4.548	4.548	0.000	97	1127575	10.0	9.38	
	18 2-Methylphenol	108	4.631	4.631	0.000	88	902422	10.0	9.39	
	19 2,2'-oxybis[1-chloropropane]	45	4.644	4.644	0.000	94	1107643	10.0	9.38	
	20 N-Methylaniline	106	4.762	4.762	0.000	93	1567385	10.0	10.2	a
	22 N-Nitrosodi-n-propylamine	70	4.772	4.772	0.000	74	649485	10.0	9.48	
	21 Acetophenone	105	4.772	4.772	0.000	92	1375291	10.0	9.38	
	23 3 & 4 Methylphenol	108	4.781	4.781	0.000	86	1012777	10.0	9.42	a
	24 4-Methylphenol	108	4.781	4.781	0.000	97	1012777	10.0	9.42	a
	25 Hexachloroethane	117	4.871	4.871	0.000	96	431631	10.0	9.44	
$	27 Nitrobenzene-d5	82	4.916	4.916	0.000	84	1033971	10.0	10.3	
	28 Nitrobenzene	123	4.935	4.935	0.000	96	496885	10.0	9.50	
	29 n,n'-Dimethylaniline	120	4.938	4.938	0.000	94	1555209	10.0	9.75	
	30 Isophorone	82	5.162	5.162	0.000	99	1681962	10.0	9.53	
	32 2-Nitrophenol	139	5.235	5.235	0.000	96	541186	10.0	9.66	
	33 2,4-Dimethylphenol	122	5.286	5.286	0.000	92	839678	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.392	5.392	0.000	87	480813	10.0	8.79	
34 Bis(2-chloroethoxy)methane	93	5.369	5.369	0.000	99	1109708	10.0	9.41	
36 2,4-Dichlorophenol	162	5.475	5.475	0.000	97	803035	10.0	9.60	
37 1,2,4-Trichlorobenzene	180	5.548	5.548	0.000	94	896566	10.0	9.37	
* 38 Naphthalene-d8	136	5.603	5.603	0.000	99	2174053	8.00	8.00	
39 Naphthalene	128	5.622	5.622	0.000	99	2821668	10.0	9.31	
40 4-Chloroaniline	127	5.676	5.676	0.000	98	1117748	10.0	9.83	
130 2,6-Dichlorophenol	162	5.683	5.683	0.000	99	777932	10.0	9.41	
41 Hexachlorobutadiene	225	5.740	5.740	0.000	98	487045	10.0	9.38	
42 Caprolactam	113	5.996	5.996	0.000	93	84545	4.00	4.22	
43 4-Chloro-3-methylphenol	107	6.149	6.149	0.000	96	733725	10.0	9.60	
44 2-Methylnaphthalene	142	6.281	6.281	0.000	84	1744172	10.0	9.38	
45 1-Methylnaphthalene	142	6.377	6.377	0.000	92	1632979	10.0	9.49	
46 Hexachlorocyclopentadiene	237	6.434	6.434	0.000	97	596596	10.0	10.0	
47 1,2,4,5-Tetrachlorobenzene	216	6.441	6.441	0.000	98	824772	10.0	9.51	
48 2-tertbutyl-4-methylphenol	149	6.479	6.479	0.000	92	1090987	10.0	10.3	
49 2,4,6-Trichlorophenol	196	6.553	6.553	0.000	91	530661	10.0	10.0	
50 2,4,5-Trichlorophenol	196	6.594	6.594	0.000	98	565362	10.0	9.63	
$ 51 2-Fluorobiphenyl	172	6.633	6.633	0.000	97	1930178	10.0	9.87	
52 1,1'-Biphenyl	154	6.726	6.726	0.000	96	2067686	10.0	9.51	
53 2-Chloronaphthalene	162	6.745	6.745	0.000	98	1610978	10.0	9.45	
54 Phenyl ether	170	6.828	6.828	0.000	86	1140726	10.0	9.87	
55 2-Nitroaniline	65	6.844	6.844	0.000	95	503711	10.0	9.64	
57 1,3-Dimethylnaphthalene	156	6.953	6.953	0.000	92	1275526	10.0	9.83	
59 Dimethyl phthalate	163	7.023	7.023	0.000	99	1598702	10.0	9.38	
60 Coumarin	146	7.036	7.036	0.000	81	546691	10.0	9.76	
61 2,6-Dinitrotoluene	165	7.074	7.074	0.000	96	381912	10.0	9.79	
62 Acenaphthylene	152	7.135	7.135	0.000	97	2338668	10.0	8.90	
63 3-Nitroaniline	138	7.234	7.234	0.000	98	406787	10.0	9.42	
* 64 Acenaphthene-d10	164	7.269	7.269	0.000	95	1046862	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.295	7.295	0.000	97	1349287	10.0	9.84	
66 Acenaphthene	154	7.301	7.301	0.000	96	1419879	10.0	9.45	
67 2,4-Dinitrophenol	184	7.330	7.330	0.000	97	394775	20.0	17.8	
68 4-Nitrophenol	65	7.414	7.414	0.000	89	490526	20.0	19.5	
69 2,4-Dinitrotoluene	165	7.452	7.452	0.000	97	465623	10.0	9.71	
70 Dibenzofuran	168	7.465	7.465	0.000	99	2103303	10.0	9.34	
72 2,3,4,6-Tetrachlorophenol	232	7.583	7.583	0.000	95	417694	10.0	9.57	
73 Diethyl phthalate	149	7.692	7.692	0.000	99	1469734	10.0	9.38	
75 Fluorene	166	7.788	7.788	0.000	96	1626050	10.0	9.33	
74 4-Chlorophenyl phenyl ether	204	7.791	7.791	0.000	90	804448	10.0	9.38	
76 4-Nitroaniline	138	7.814	7.814	0.000	87	377277	10.0	9.66	
77 4,6-Dinitro-2-methylphenol	198	7.839	7.839	0.000	89	529821	20.0	20.2	
78 N-Nitrosodiphenylamine	169	7.906	7.906	0.000	96	1146333	10.0	9.44	
79 1,2-Diphenylhydrazine	77	7.942	7.942	0.000	94	1556845	10.0	9.41	
131 Azobenzene	77	7.942	7.942	0.000	0	1556817	10.0	9.40	
$ 80 2,4,6-Tribromophenol	330	8.015	8.015	0.000	91	368549	10.0	10.3	
81 4-Bromophenyl phenyl ether	248	8.255	8.255	0.000	94	477807	10.0	9.36	
82 Hexachlorobenzene	284	8.306	8.306	0.000	94	621169	10.0	9.41	
83 Atrazine	200	8.415	8.415	0.000	94	152661	4.00	4.10	
84 Pentachlorophenol	266	8.498	8.498	0.000	95	658119	20.0	19.7	
85 Pentachloronitrobenzene	237	8.508	8.508	0.000	91	178054	10.0	9.77	
86 n-Octadecane	57	8.591	8.591	0.000	90	957464	10.0	9.80	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.675	8.675	0.000	99	1644476	8.00	8.00	
88 Phenanthrene	178	8.697	8.697	0.000	98	2103184	10.0	9.41	
89 Anthracene	178	8.745	8.745	0.000	98	2141446	10.0	9.38	
90 Carbazole	167	8.902	8.902	0.000	96	1813255	10.0	9.40	
91 Di-n-butyl phthalate	149	9.244	9.244	0.000	99	1970958	10.0	9.91	
92 Fluoranthene	202	9.822	9.822	0.000	97	1930709	10.0	9.71	
93 Benzidine	184	9.954	9.954	0.000	99	666351	10.0	7.95	
94 Pyrene	202	10.037	10.037	0.000	96	1980378	10.0	9.30	
95 Bisphenol-A	213	10.094	10.094	0.000	99	656497	10.0	10.4	
$ 96 Terphenyl-d14	244	10.194	10.194	0.000	98	1653933	10.0	10.0	
97 Butyl benzyl phthalate	149	10.699	10.699	0.000	97	699060	10.0	10.1	
98 2,3,7,8-TCDD	320	10.779	10.779	0.000	92	3792	0.1000	0.1000	
99 Carbamazepine	193	10.798	10.798	0.000	92	542302	10.0	9.44	
100 3,3'-Dichlorobenzidine	252	11.268	11.268	0.000	99	602968	10.0	10.4	
101 Benzo[a]anthracene	228	11.288	11.288	0.000	99	1579048	10.0	9.81	
* 102 Chrysene-d12	240	11.297	11.297	0.000	99	1042469	8.00	8.00	
104 Chrysene	228	11.329	11.329	0.000	98	1442310	10.0	9.34	
103 Bis(2-ethylhexyl) phthalate	149	11.362	11.362	0.000	86	922708	10.0	9.63	
105 Di-n-octyl phthalate	149	12.199	12.199	0.000	96	1530971	10.0	10.6	
106 Benzo[b]fluoranthene	252	12.653	12.653	0.000	98	1537745	10.0	10.1	
107 Benzo[k]fluoranthene	252	12.692	12.692	0.000	99	1598373	10.0	10.2	
108 Benzo[a]pyrene	252	13.098	13.098	0.000	97	1347884	10.0	10.4	
* 109 Perylene-d12	264	13.178	13.178	0.000	99	1073792	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.730	14.730	0.000	99	1554002	10.0	10.8	
111 Dibenz(a,h)anthracene	278	14.775	14.775	0.000	97	1620616	10.0	10.1	
112 Benzo[g,h,i]perylene	276	15.156	15.156	0.000	98	1600801	10.0	9.63	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:38:28 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48924.d

Injection Date: 04-Mar-2024 10:25:30 Instrument ID: CBNAMS14 Operator ID:

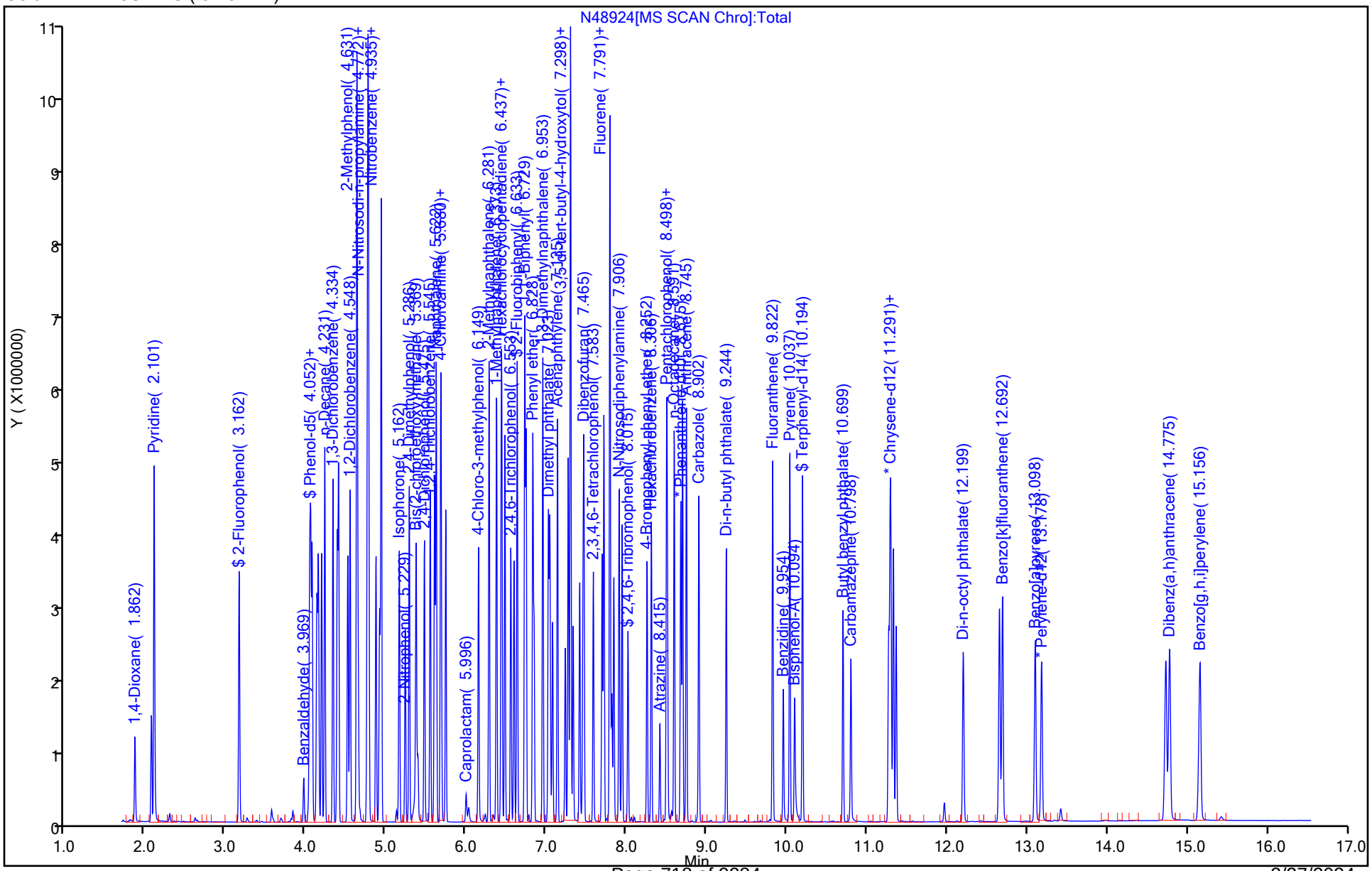
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

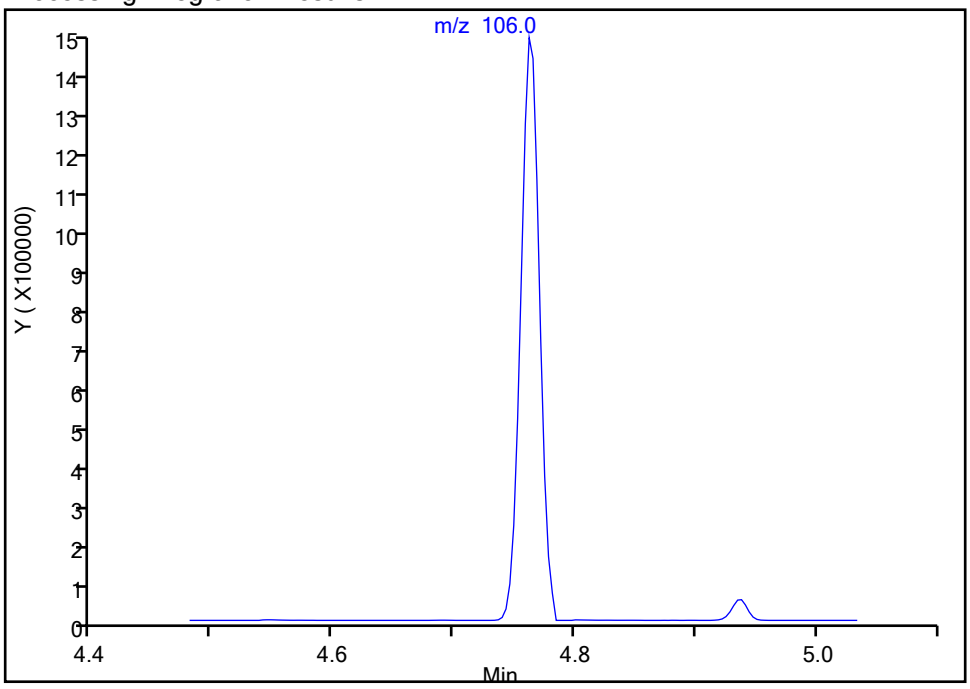
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48924.d
Injection Date: 04-Mar-2024 10:25:30 Instrument ID: CBNAMS14
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

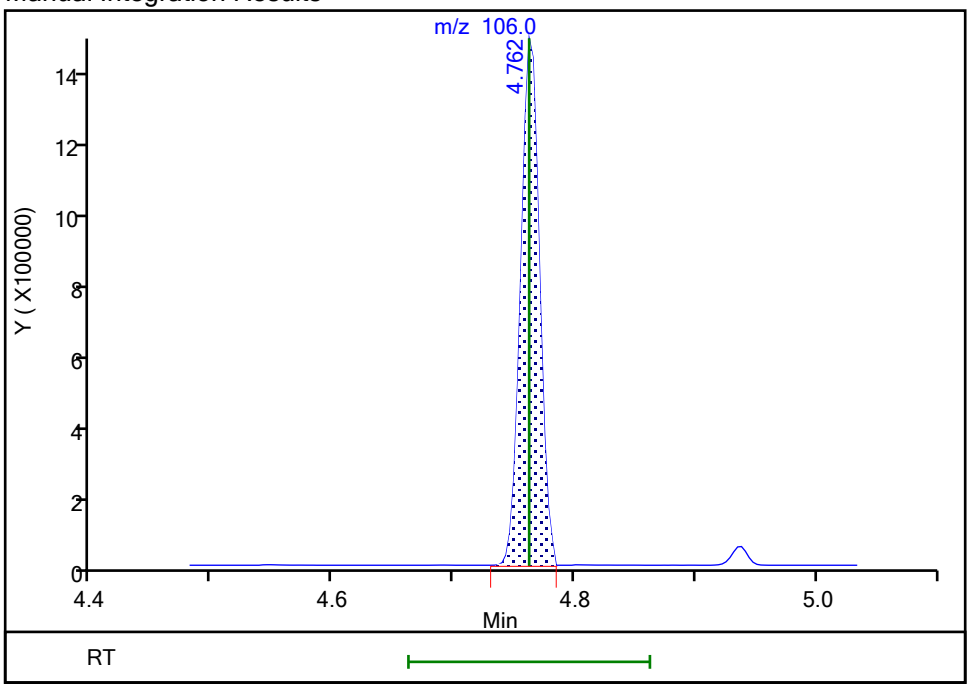
Not Detected
Expected RT: 4.76

Processing Integration Results



Manual Integration Results

RT: 4.76
Area: 1567385
Amount: 10.163552
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 10:52:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

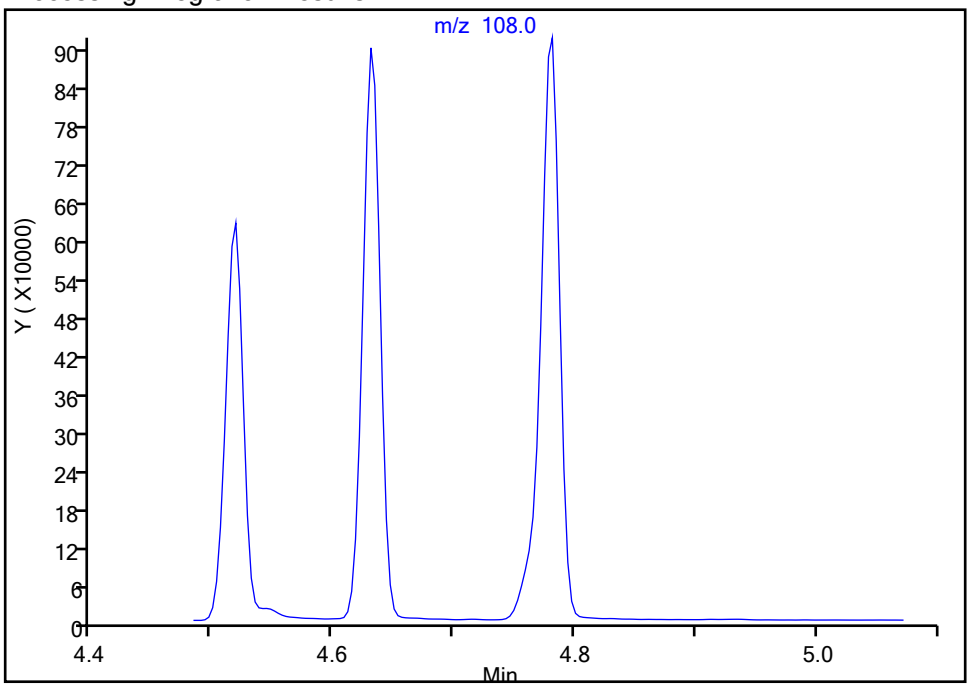
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48924.d
Injection Date: 04-Mar-2024 10:25:30 Instrument ID: CBNAMS14
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

23 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

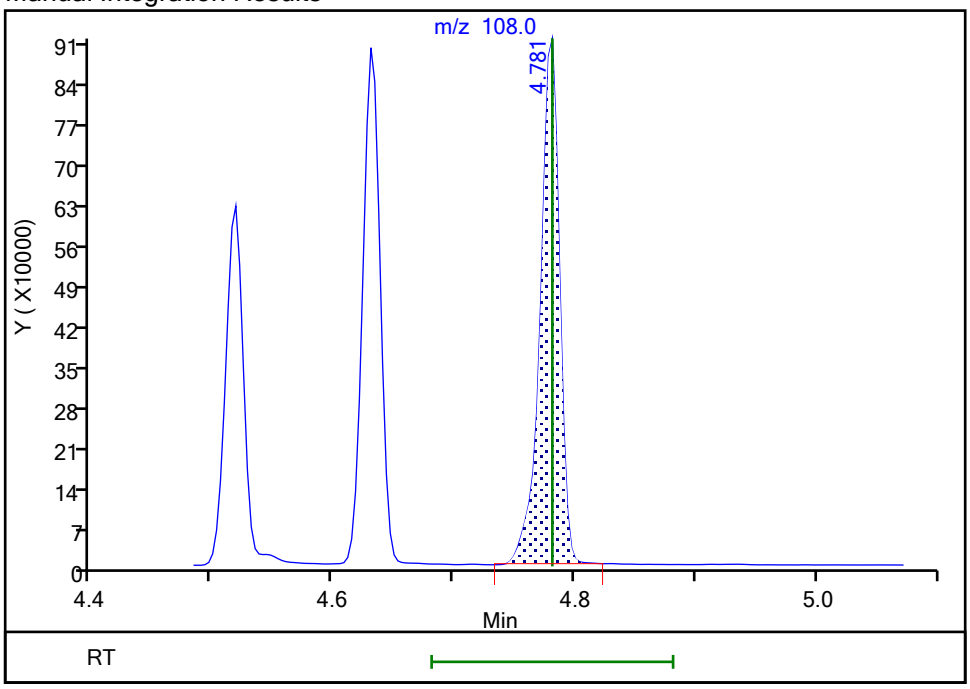
Not Detected
Expected RT: 4.78

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 1012777
Amount: 9.420841
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 10:52:18 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

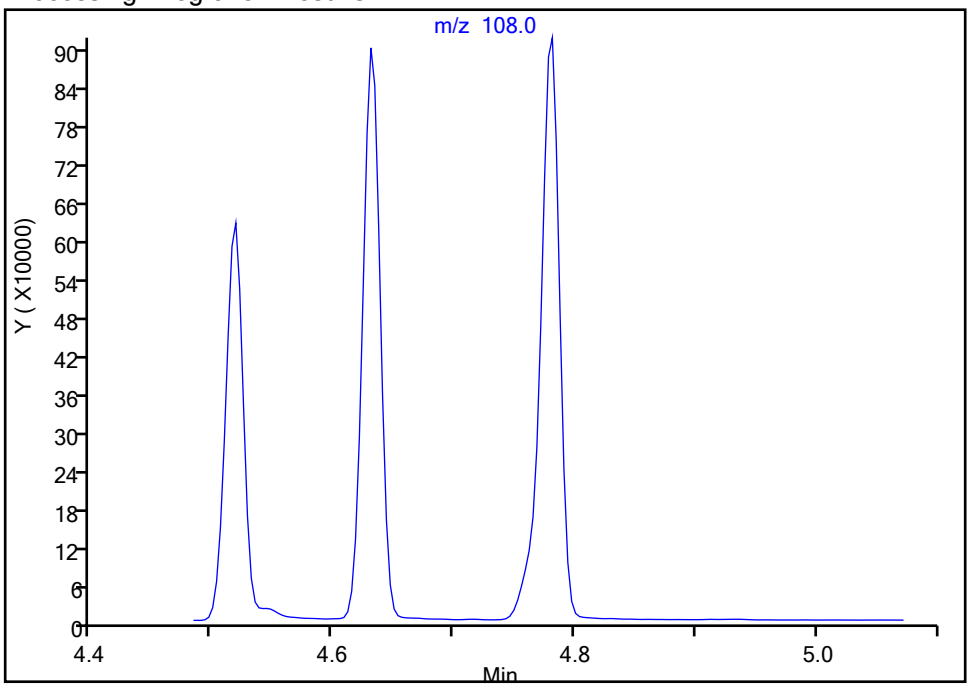
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48924.d				
Injection Date:	04-Mar-2024 10:25:30	Instrument ID:	CBNAMS14		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 4-Methylphenol, CAS: 106-44-5

Signal: 1

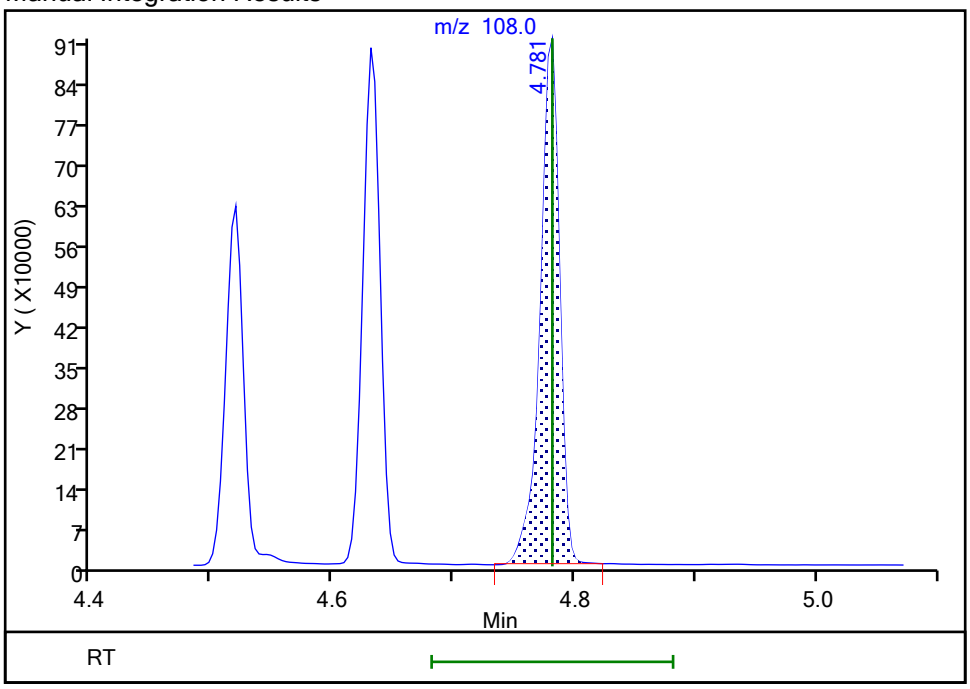
Not Detected
Expected RT: 4.78

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 1012777
Amount: 9.420841
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 10:52:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48926.d
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 04-Mar-2024 11:09:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-003
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:31 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 11:56:06

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.871	1.862	0.009	92	1127026	24.0	24.0	
	2 N-Nitrosodimethylamine	74	2.085	2.066	0.019	95	1707538	24.0	23.9	
	3 Pyridine	79	2.111	2.101	0.010	95	4926343	48.0	45.8	
$	4 2-Fluorophenol	112	3.168	3.162	0.006	97	2830222	24.0	25.9	
	5 Benzaldehyde	77	3.969	3.969	0.000	97	401233	6.40	4.44	
$	6 Phenol-d5	99	4.056	4.043	0.013	94	3296718	24.0	25.8	
	7 Phenol	94	4.069	4.056	0.013	98	3465634	24.0	22.9	
	8 Aniline	93	4.081	4.072	0.009	96	3584437	24.0	21.8	
	9 Bis(2-chloroethyl)ether	93	4.142	4.132	0.010	97	2547971	24.0	22.9	
	10 Benzonitrile	103	4.168	4.148	0.020	97	5030139	NC	NC	
	11 2-Chlorophenol	128	4.200	4.193	0.007	98	2671376	24.0	23.1	
	12 n-Decane	43	4.235	4.231	0.004	89	2283668	24.0	22.5	
	13 1,3-Dichlorobenzene	146	4.337	4.334	0.003	96	2906742	24.0	22.4	
*	14 1,4-Dichlorobenzene-d4	152	4.388	4.388	0.000	95	645375	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.407	4.404	0.003	95	2907521	24.0	22.2	
	16 Benzyl alcohol	108	4.529	4.519	0.010	95	1589400	24.0	23.3	
	17 1,2-Dichlorobenzene	146	4.551	4.548	0.003	96	2737126	24.0	22.3	
	18 2-Methylphenol	108	4.641	4.631	0.010	87	2167209	24.0	22.1	
	19 2,2'-oxybis[1-chloropropane]	45	4.654	4.644	0.010	94	2532278	24.0	21.0	
	20 N-Methylaniline	106	4.769	4.762	0.007	89	3781520	24.0	24.1	a
	22 N-Nitrosodi-n-propylamine	70	4.785	4.772	0.013	83	1507693	24.0	21.6	
	21 Acetophenone	105	4.782	4.772	0.010	93	3142115	24.0	21.0	
	23 3 & 4 Methylphenol	108	4.791	4.781	0.010	80	2378116	24.0	21.7	
	24 4-Methylphenol	108	4.791	4.781	0.010	97	2378116	24.0	21.7	
	25 Hexachloroethane	117	4.871	4.871	0.000	96	1057939	24.0	22.7	
$	27 Nitrobenzene-d5	82	4.922	4.916	0.006	85	2572991	24.0	25.4	
	28 Nitrobenzene	123	4.945	4.935	0.010	93	1191027	24.0	22.4	
	29 n,n'-Dimethylaniline	120	4.945	4.938	0.007	89	3697936	24.0	22.8	
	30 Isophorone	82	5.175	5.162	0.013	99	4084284	24.0	22.9	
	32 2-Nitrophenol	139	5.242	5.235	0.007	96	1342995	24.0	23.7	
	33 2,4-Dimethylphenol	122	5.293	5.286	0.007	92	1916555	24.0	22.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.376	5.369	0.007	98	2676138	24.0	22.5	
35 Benzoic acid	122	5.444	5.392	0.052	90	1448266	24.0	24.7	
36 2,4-Dichlorophenol	162	5.482	5.475	0.007	97	1954947	24.0	23.1	
37 1,2,4-Trichlorobenzene	180	5.549	5.548	0.001	94	2194462	24.0	22.7	
* 38 Naphthalene-d8	136	5.604	5.603	0.001	99	2198021	8.00	8.00	
39 Naphthalene	128	5.626	5.622	0.004	99	6493551	24.0	21.2	
40 4-Chloroaniline	127	5.684	5.676	0.008	98	2515182	24.0	21.9	
130 2,6-Dichlorophenol	162	5.690	5.683	0.007	99	1873169	24.0	22.4	
41 Hexachlorobutadiene	225	5.745	5.740	0.005	97	1210870	24.0	23.1	
42 Caprolactam	113	6.093	5.996	0.097	94	143798	6.40	7.10	M
43 4-Chloro-3-methylphenol	107	6.157	6.149	0.008	95	1785689	24.0	23.1	
44 2-Methylnaphthalene	142	6.285	6.281	0.004	84	4163594	24.0	22.2	
45 1-Methylnaphthalene	142	6.378	6.377	0.001	92	3817579	24.0	21.9	
46 Hexachlorocyclopentadiene	237	6.436	6.434	0.002	98	1443105	24.0	24.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.445	6.441	0.004	98	1980277	24.0	23.2	
48 2-tertbutyl-4-methylphenol	149	6.484	6.479	0.005	94	2613404	24.0	24.5	
49 2,4,6-Trichlorophenol	196	6.557	6.553	0.004	91	1263547	24.0	24.2	
50 2,4,5-Trichlorophenol	196	6.599	6.594	0.005	98	1378723	24.0	23.8	
$ 51 2-Fluorobiphenyl	172	6.638	6.633	0.005	97	4569958	24.0	23.7	
52 1,1'-Biphenyl	154	6.734	6.726	0.008	96	4719782	24.0	22.0	
53 2-Chloronaphthalene	162	6.750	6.745	0.005	97	3753969	24.0	22.4	
54 Phenyl ether	170	6.830	6.828	0.002	85	2699554	24.0	23.7	
55 2-Nitroaniline	65	6.849	6.844	0.005	95	1204297	24.0	23.4	
57 1,3-Dimethylnaphthalene	156	6.958	6.953	0.005	92	3042528	24.0	23.8	
59 Dimethyl phthalate	163	7.031	7.023	0.008	99	3740711	24.0	22.3	
60 Coumarin	146	7.044	7.036	0.008	81	1300366	24.0	23.0	
61 2,6-Dinitrotoluene	165	7.083	7.074	0.009	96	918436	24.0	23.9	
62 Acenaphthylene	152	7.140	7.135	0.005	97	5584780	24.0	21.6	
63 3-Nitroaniline	138	7.243	7.234	0.009	97	944205	24.0	22.2	
* 64 Acenaphthene-d10	164	7.271	7.269	0.002	95	1031174	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.300	7.295	0.005	97	3251271	24.0	24.1	
66 Acenaphthene	154	7.307	7.301	0.006	97	3219190	24.0	21.7	
67 2,4-Dinitrophenol	184	7.342	7.330	0.012	96	1116664	48.0	49.2	
68 4-Nitrophenol	65	7.422	7.414	0.008	89	1184263	48.0	47.7	
69 2,4-Dinitrotoluene	165	7.461	7.452	0.009	97	1135658	24.0	24.0	
70 Dibenzofuran	168	7.470	7.465	0.005	96	4808796	24.0	21.7	
72 2,3,4,6-Tetrachlorophenol	232	7.585	7.583	0.002	95	1019117	24.0	23.7	
73 Diethyl phthalate	149	7.701	7.692	0.009	99	3546735	24.0	23.0	
75 Fluorene	166	7.794	7.788	0.006	95	3712290	24.0	21.6	
74 4-Chlorophenyl phenyl ether	204	7.797	7.791	0.006	90	1880977	24.0	22.3	
76 4-Nitroaniline	138	7.832	7.814	0.018	87	882524	24.0	22.9	
77 4,6-Dinitro-2-methylphenol	198	7.851	7.839	0.012	90	1303186	48.0	51.7	
78 N-Nitrosodiphenylamine	169	7.912	7.906	0.006	96	2669928	24.0	22.8	
79 1,2-Diphenylhydrazine	77	7.948	7.942	0.006	94	3677478	24.0	23.1	
131 Azobenzene	77	7.948	7.942	0.006	0	3678050	24.0	23.1	
$ 80 2,4,6-Tribromophenol	330	8.021	8.015	0.006	91	913922	24.0	25.9	
81 4-Bromophenyl phenyl ether	248	8.258	8.255	0.003	94	1154984	24.0	23.5	
82 Hexachlorobenzene	284	8.313	8.306	0.007	95	1470100	24.0	23.1	
83 Atrazine	200	8.418	8.415	0.003	94	250422	6.40	6.99	
84 Pentachlorophenol	266	8.502	8.498	0.004	96	1687831	48.0	52.5	
85 Pentachloronitrobenzene	237	8.511	8.508	0.003	92	446639	24.0	25.5	
86 n-Octadecane	57	8.595	8.591	0.004	91	2237290	24.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.675	8.675	0.000	98	1582493	8.00	8.00	
88 Phenanthrene	178	8.701	8.697	0.004	98	4752317	24.0	22.1	
89 Anthracene	178	8.749	8.745	0.004	98	4867249	24.0	22.2	
90 Carbazole	167	8.906	8.902	0.004	96	4137573	24.0	22.3	
91 Di-n-butyl phthalate	149	9.245	9.244	0.001	99	4786700	24.0	25.0	
92 Fluoranthene	202	9.824	9.822	0.002	97	4455097	24.0	23.3	
93 Benzidine	184	9.958	9.954	0.004	99	1951081	24.0	24.2	
94 Pyrene	202	10.039	10.037	0.002	96	4419411	24.0	22.4	
95 Bisphenol-A	213	10.100	10.094	0.006	99	1588000	24.0	27.1	
$ 96 Terphenyl-d14	244	10.196	10.194	0.002	98	3840826	24.0	25.1	
97 Butyl benzyl phthalate	149	10.702	10.699	0.003	97	1757245	24.0	27.4	
99 Carbamazepine	193	10.807	10.798	0.009	92	1384551	24.0	25.0	
100 3,3'-Dichlorobenzidine	252	11.271	11.268	0.003	99	1481938	24.0	27.5	
101 Benzo[a]anthracene	228	11.291	11.288	0.003	100	3613222	24.0	24.2	
* 102 Chrysene-d12	240	11.300	11.297	0.003	100	965736	8.00	8.00	
104 Chrysene	228	11.336	11.329	0.007	98	3341392	24.0	23.4	
103 Bis(2-ethylhexyl) phthalate	149	11.365	11.362	0.003	89	2254780	24.0	23.6	
105 Di-n-octyl phthalate	149	12.203	12.199	0.004	96	3778972	24.0	27.9	
106 Benzo[b]fluoranthene	252	12.657	12.653	0.004	99	3550874	24.0	24.8	
107 Benzo[k]fluoranthene	252	12.699	12.692	0.007	99	3611338	24.0	24.6	
108 Benzo[a]pyrene	252	13.106	13.098	0.008	98	3297565	24.0	27.3	
* 109 Perylene-d12	264	13.179	13.178	0.001	99	1004892	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.742	14.730	0.012	99	3646957	24.0	27.2	
111 Dibenz(a,h)anthracene	278	14.787	14.775	0.012	98	3873294	24.0	25.8	
112 Benzo[g,h,i]perylene	276	15.174	15.156	0.018	98	3818630	24.0	24.5	
S 119 Total Cresols	1				0			43.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:38:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48926.d

Injection Date: 04-Mar-2024 11:09:30 Instrument ID: CBNAMS14 Operator ID:

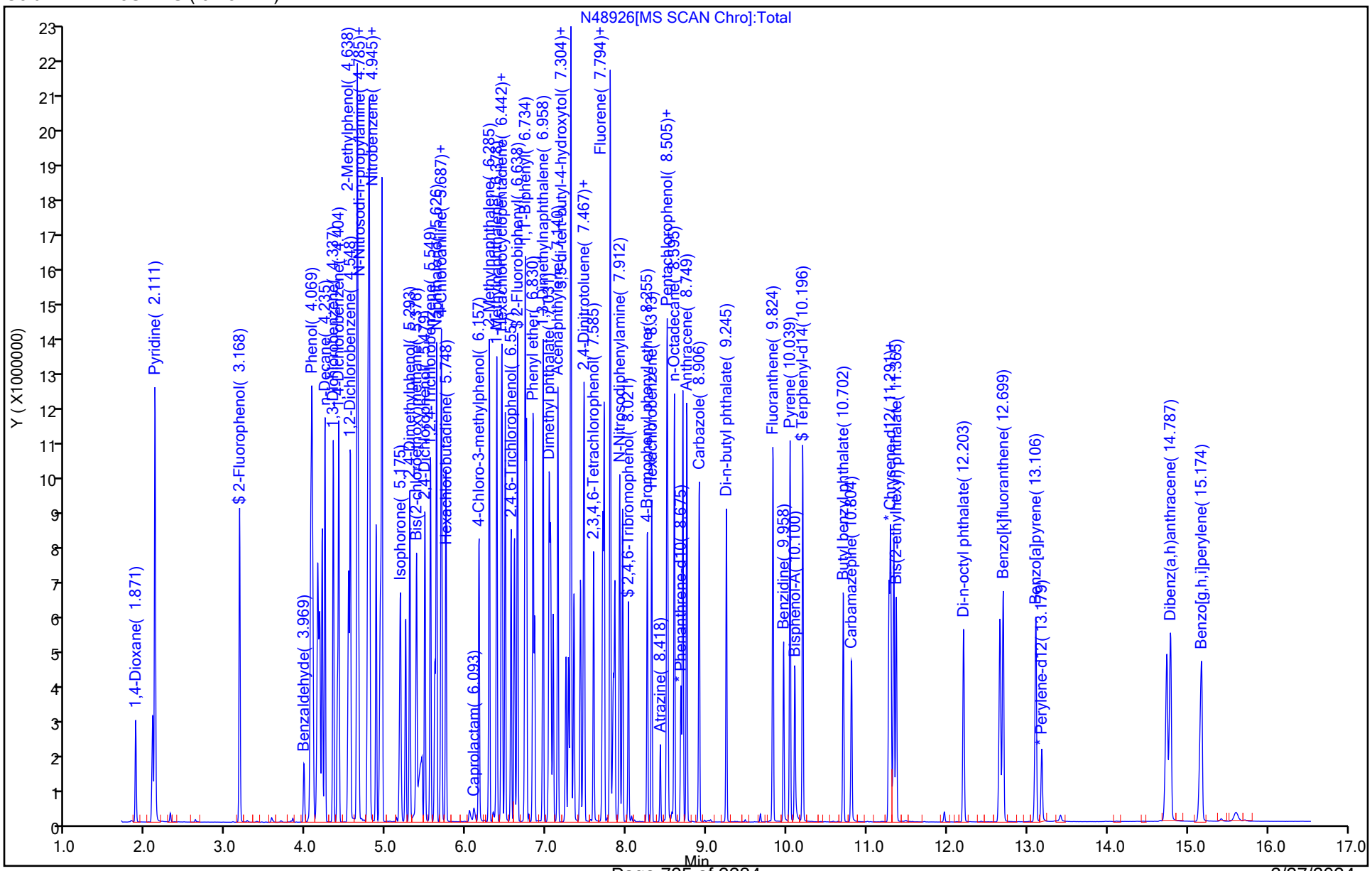
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

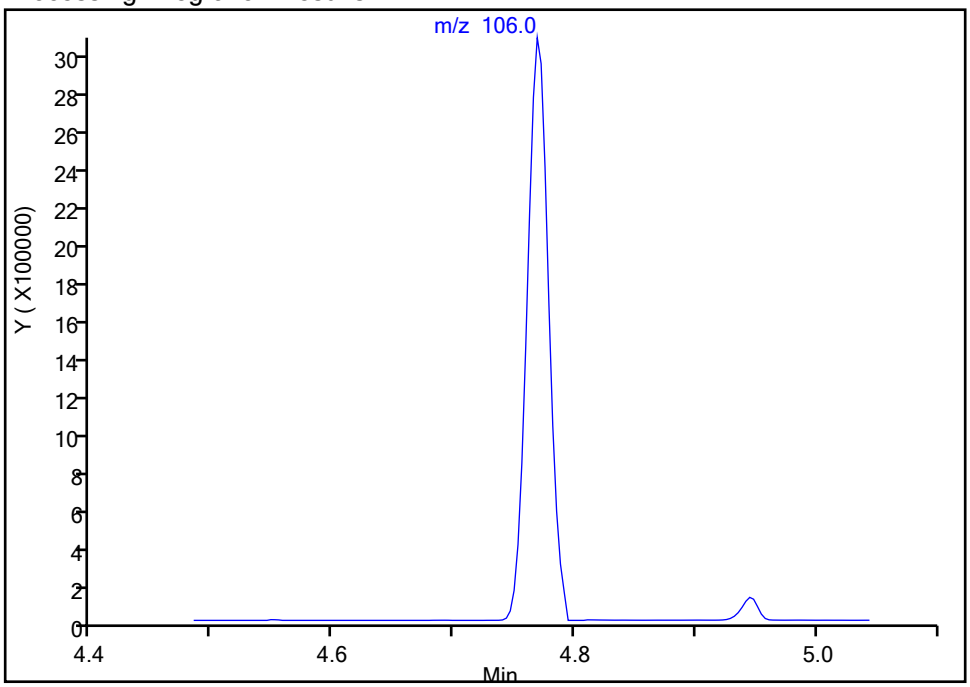
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48926.d
Injection Date: 04-Mar-2024 11:09:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

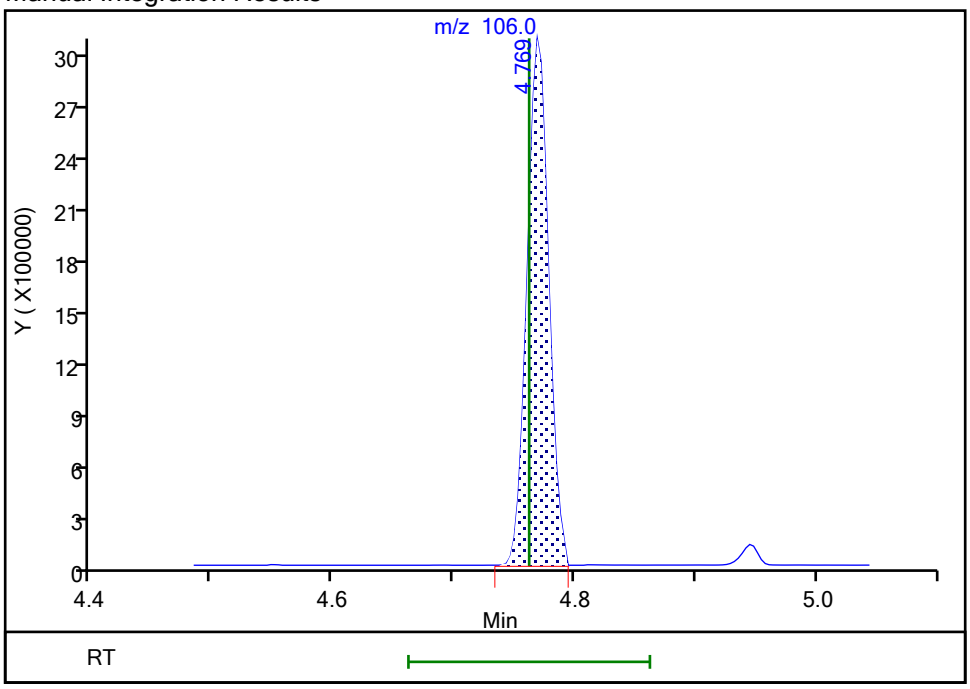
Not Detected
Expected RT: 4.76

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 3781520
Amount: 24.073578
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:55:34 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

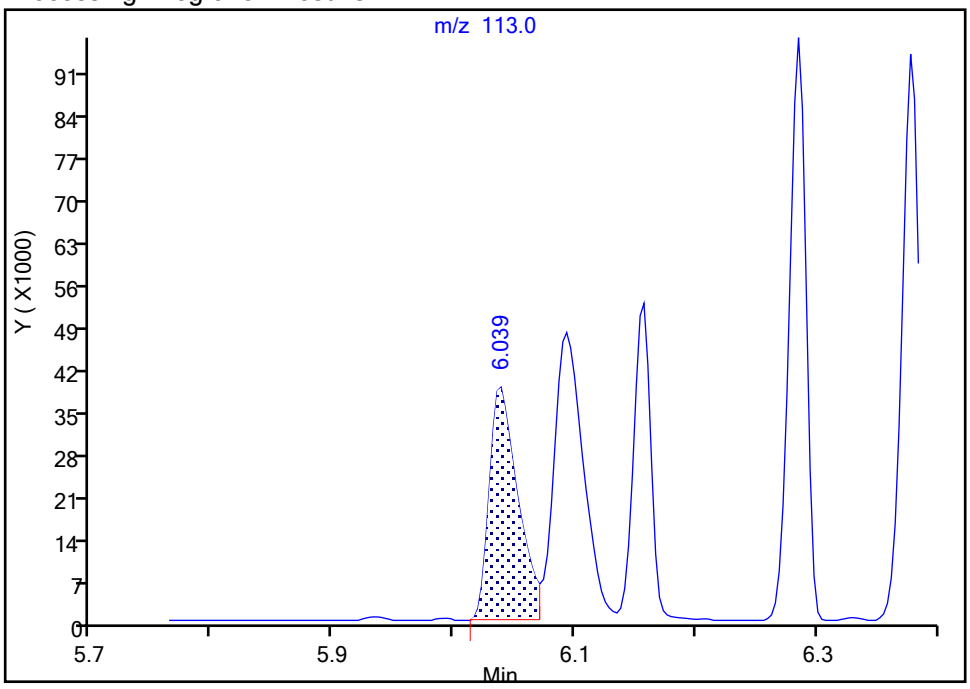
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48926.d
Injection Date: 04-Mar-2024 11:09:30 Instrument ID: CBNAMS14
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

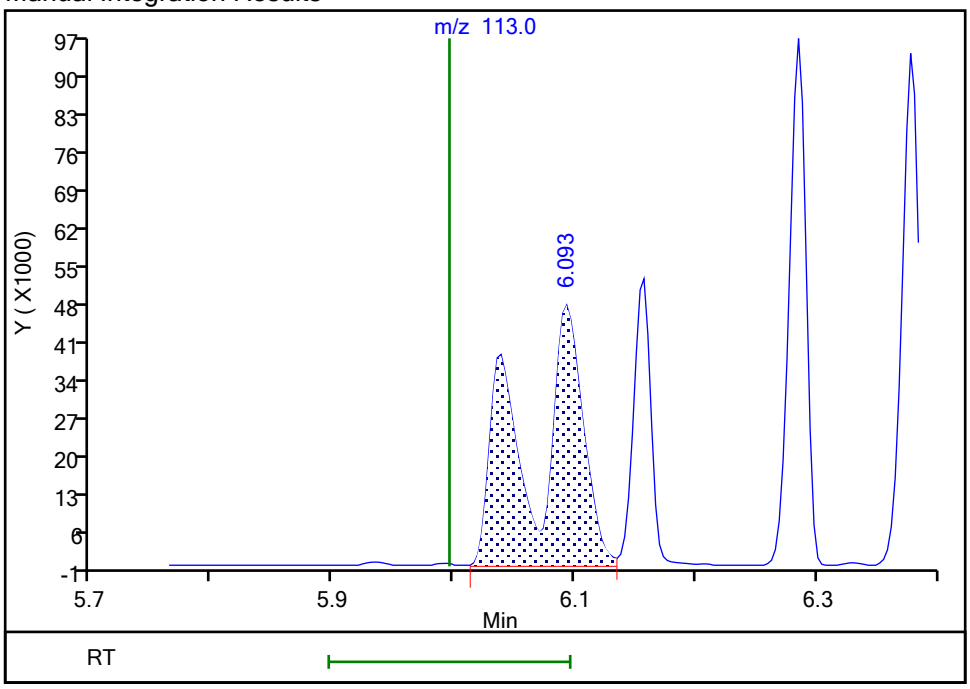
Processing Integration Results

RT: 6.04
Area: 63727
Amount: 6.400000
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 143798
Amount: 7.098734
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:55:24 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48928.d
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Mar-2024 11:52:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-004
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:36 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 12:13:45

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.849	1.862	-0.013	92	668731	16.0	16.1	
	2 N-Nitrosodimethylamine	74	2.060	2.066	-0.006	95	1025068	16.0	16.3	
	3 Pyridine	79	2.092	2.101	-0.009	96	3141978	32.0	33.1	
$	4 2-Fluorophenol	112	3.162	3.162	0.000	97	1630128	16.0	16.9	
	5 Benzaldehyde	77	3.967	3.969	-0.002	97	340514	4.80	4.27	
$	6 Phenol-d5	99	4.047	4.043	0.004	94	1941592	16.0	17.2	
	7 Phenol	94	4.059	4.056	0.003	98	2129075	16.0	15.9	
	8 Aniline	93	4.075	4.072	0.003	97	2236974	16.0	15.4	a
	9 Bis(2-chloroethyl)ether	93	4.133	4.132	0.001	97	1553004	16.0	15.8	
	10 Benzonitrile	103	4.152	4.148	0.004	97	3015374	NC	NC	
	11 2-Chlorophenol	128	4.194	4.193	0.001	97	1631650	16.0	16.0	
	12 n-Decane	43	4.232	4.231	0.001	89	1419966	16.0	15.9	
	13 1,3-Dichlorobenzene	146	4.334	4.334	0.000	96	1812209	16.0	15.8	
*	14 1,4-Dichlorobenzene-d4	152	4.385	4.388	-0.003	95	569133	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.405	4.404	0.001	95	1815101	16.0	15.7	
	16 Benzyl alcohol	108	4.523	4.519	0.004	95	962416	16.0	16.0	
	17 1,2-Dichlorobenzene	146	4.548	4.548	0.000	97	1699813	16.0	15.7	
	18 2-Methylphenol	108	4.635	4.631	0.004	87	1356698	16.0	15.7	
	19 2,2'-oxybis[1-chloropropane]	45	4.648	4.644	0.004	95	1649085	16.0	15.5	
	20 N-Methylaniline	106	4.766	4.762	0.004	98	2342655	16.0	16.9	a
	22 N-Nitrosodi-n-propylamine	70	4.776	4.772	0.004	68	968102	16.0	15.7	
	21 Acetophenone	105	4.776	4.772	0.004	92	2009282	16.0	15.3	
	23 3 & 4 Methylphenol	108	4.785	4.781	0.004	88	1513352	16.0	15.7	
	24 4-Methylphenol	108	4.785	4.781	0.004	93	1513352	16.0	15.7	
	25 Hexachloroethane	117	4.871	4.871	0.000	95	655510	16.0	16.0	
$	27 Nitrobenzene-d5	82	4.916	4.916	0.000	85	1538180	16.0	17.0	
	28 Nitrobenzene	123	4.939	4.935	0.004	95	751910	16.0	16.0	
	29 n,n'-Dimethylaniline	120	4.939	4.938	0.001	94	2274974	16.0	15.9	
	30 Isophorone	82	5.166	5.162	0.004	99	2531164	16.0	15.9	
	32 2-Nitrophenol	139	5.236	5.235	0.001	96	826962	16.0	16.4	
	33 2,4-Dimethylphenol	122	5.287	5.286	0.001	92	1182101	16.0	15.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.373	5.369	0.004	98	1668787	16.0	15.7	
35 Benzoic acid	122	5.415	5.392	0.023	87	861609	16.0	16.7	
36 2,4-Dichlorophenol	162	5.476	5.475	0.001	97	1211558	16.0	16.1	
37 1,2,4-Trichlorobenzene	180	5.549	5.548	0.001	94	1353954	16.0	15.7	
* 38 Naphthalene-d8	136	5.604	5.603	0.001	99	1961611	8.00	8.00	
39 Naphthalene	128	5.623	5.622	0.001	99	4201733	16.0	15.4	
40 4-Chloroaniline	127	5.681	5.676	0.005	97	1616182	16.0	15.8	
130 2,6-Dichlorophenol	162	5.687	5.683	0.004	99	1184601	16.0	15.9	
41 Hexachlorobutadiene	225	5.741	5.740	0.001	97	743540	16.0	15.9	
42 Caprolactam	113	6.010	5.996	0.014	95	101078	4.80	5.59	
43 4-Chloro-3-methylphenol	107	6.151	6.149	0.002	96	1100576	16.0	16.0	
44 2-Methylnaphthalene	142	6.282	6.281	0.001	84	2621167	16.0	15.6	
45 1-Methylnaphthalene	142	6.375	6.377	-0.002	92	2413485	16.0	15.5	
46 Hexachlorocyclopentadiene	237	6.432	6.434	-0.002	98	864033	16.0	16.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.442	6.441	0.001	97	1231561	16.0	16.3	
48 2-tertbutyl-4-methylphenol	149	6.480	6.479	0.001	92	1589724	16.0	16.7	
49 2,4,6-Trichlorophenol	196	6.554	6.553	0.001	91	776485	16.0	16.8	
50 2,4,5-Trichlorophenol	196	6.596	6.594	0.002	98	845802	16.0	16.6	
$ 51 2-Fluorobiphenyl	172	6.634	6.633	0.001	97	2810623	16.0	16.5	
52 1,1'-Biphenyl	154	6.727	6.726	0.001	97	3029908	16.0	16.0	
53 2-Chloronaphthalene	162	6.746	6.745	0.001	98	2382941	16.0	16.1	
54 Phenyl ether	170	6.829	6.828	0.001	84	1650962	16.0	16.4	
55 2-Nitroaniline	65	6.845	6.844	0.001	95	751340	16.0	16.5	
57 1,3-Dimethylnaphthalene	156	6.954	6.953	0.001	92	1845363	16.0	16.3	
59 Dimethyl phthalate	163	7.025	7.023	0.002	99	2360248	16.0	15.9	
60 Coumarin	146	7.041	7.036	0.005	81	791612	16.0	15.7	
61 2,6-Dinitrotoluene	165	7.079	7.074	0.005	96	570446	16.0	16.8	
62 Acenaphthylene	152	7.137	7.135	0.002	97	3657026	16.0	16.0	
63 3-Nitroaniline	138	7.236	7.234	0.002	98	598080	16.0	15.9	
* 64 Acenaphthene-d10	164	7.271	7.269	0.002	95	911027	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.297	7.295	0.002	97	1979060	16.0	16.6	
66 Acenaphthene	154	7.303	7.301	0.002	96	2065259	16.0	15.8	
67 2,4-Dinitrophenol	184	7.335	7.330	0.005	97	695682	32.0	35.0	
68 4-Nitrophenol	65	7.415	7.414	0.001	89	755616	32.0	34.5	
69 2,4-Dinitrotoluene	165	7.457	7.452	0.005	97	707584	16.0	17.0	
70 Dibenzofuran	168	7.467	7.465	0.001	96	3071183	16.0	15.7	
72 2,3,4,6-Tetrachlorophenol	232	7.585	7.583	0.002	95	629245	16.0	16.6	
73 Diethyl phthalate	149	7.697	7.692	0.005	99	2206330	16.0	16.2	
75 Fluorene	166	7.790	7.788	0.002	94	2359762	16.0	15.6	
74 4-Chlorophenyl phenyl ether	204	7.793	7.791	0.002	89	1181675	16.0	15.8	
76 4-Nitroaniline	138	7.822	7.814	0.008	86	526892	16.0	15.5	
77 4,6-Dinitro-2-methylphenol	198	7.844	7.839	0.005	89	810376	32.0	35.6	
78 N-Nitrosodiphenylamine	169	7.908	7.906	0.002	96	1663736	16.0	15.8	
79 1,2-Diphenylhydrazine	77	7.944	7.942	0.002	94	2310495	16.0	16.1	
131 Azobenzene	77	7.944	7.942	0.002	0	2310495	16.0	16.1	
$ 80 2,4,6-Tribromophenol	330	8.017	8.015	0.002	91	539602	16.0	17.3	
81 4-Bromophenyl phenyl ether	248	8.254	8.255	-0.001	94	720883	16.0	16.3	
82 Hexachlorobenzene	284	8.309	8.306	0.003	94	925276	16.0	16.1	
83 Atrazine	200	8.414	8.415	-0.001	95	172709	4.80	5.34	
84 Pentachlorophenol	266	8.501	8.498	0.003	95	1048427	32.0	36.1	
85 Pentachloronitrobenzene	237	8.510	8.508	0.002	91	269309	16.0	17.0	
86 n-Octadecane	57	8.594	8.591	0.003	90	1418920	16.0	16.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.674	8.675	-0.001	99	1428712	8.00	8.00	
88 Phenanthrene	178	8.700	8.697	0.003	98	3046261	16.0	15.7	
89 Anthracene	178	8.748	8.745	0.003	98	3151638	16.0	15.9	
90 Carbazole	167	8.901	8.902	-0.001	96	2675692	16.0	16.0	
91 Di-n-butyl phthalate	149	9.243	9.244	-0.001	99	3085619	16.0	17.9	
92 Fluoranthene	202	9.822	9.822	0.000	97	2908450	16.0	16.8	
93 Benzidine	184	9.957	9.954	0.003	99	1336617	16.0	18.3	
94 Pyrene	202	10.037	10.037	0.000	96	2933766	16.0	14.8	
95 Bisphenol-A	213	10.098	10.094	0.004	99	1055808	16.0	18.0	
$ 96 Terphenyl-d14	244	10.194	10.194	0.000	98	2451164	16.0	16.0	
97 Butyl benzyl phthalate	149	10.703	10.699	0.004	97	1155402	16.0	18.0	
99 Carbamazepine	193	10.802	10.798	0.004	92	942664	16.0	17.1	
100 3,3'-Dichlorobenzidine	252	11.269	11.268	0.001	99	1044907	16.0	19.3	
101 Benzo[a]anthracene	228	11.289	11.288	0.001	99	2462965	16.0	16.4	
* 102 Chrysene-d12	240	11.302	11.297	0.005	99	970367	8.00	8.00	
104 Chrysene	228	11.330	11.329	0.001	98	2282562	16.0	15.9	
103 Bis(2-ethylhexyl) phthalate	149	11.363	11.362	0.001	89	1561067	16.0	16.8	
105 Di-n-octyl phthalate	149	12.201	12.199	0.002	96	2664269	16.0	18.9	
106 Benzo[b]fluoranthene	252	12.655	12.653	0.002	99	2559925	16.0	17.2	
107 Benzo[k]fluoranthene	252	12.694	12.692	0.002	99	2599553	16.0	17.0	
108 Benzo[a]pyrene	252	13.103	13.098	0.005	98	2303623	16.0	18.3	
* 109 Perylene-d12	264	13.180	13.178	0.002	99	1047352	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.733	14.730	0.003	99	2530054	16.0	18.1	
111 Dibenz(a,h)anthracene	278	14.781	14.775	0.006	98	2783392	16.0	17.8	
112 Benzo[g,h,i]perylene	276	15.162	15.156	0.006	98	2703846	16.0	16.7	
S 119 Total Cresols	1				0			31.4	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:38:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48928.d

Injection Date: 04-Mar-2024 11:52:30 Instrument ID: CBNAMS14 Operator ID:

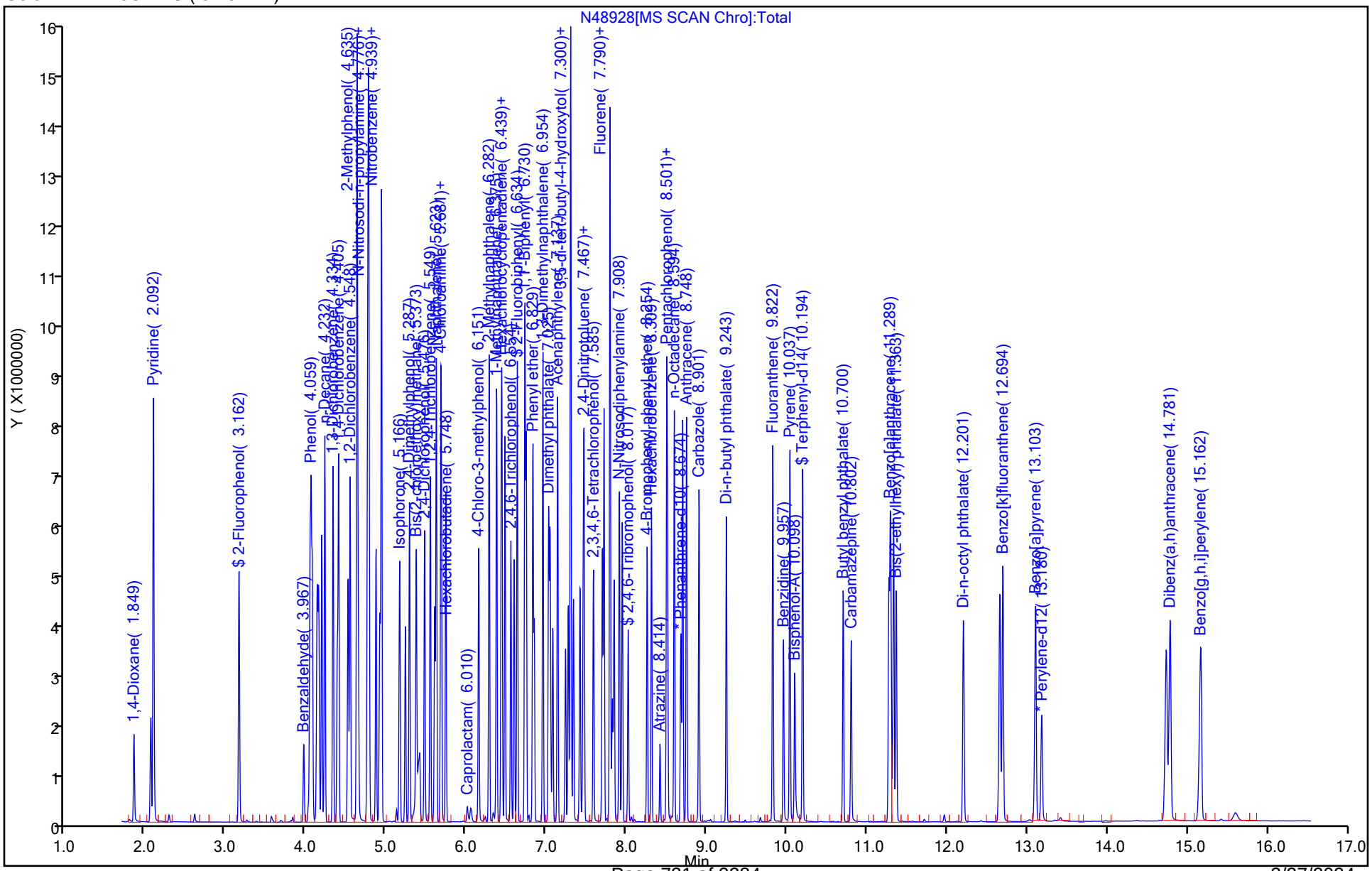
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

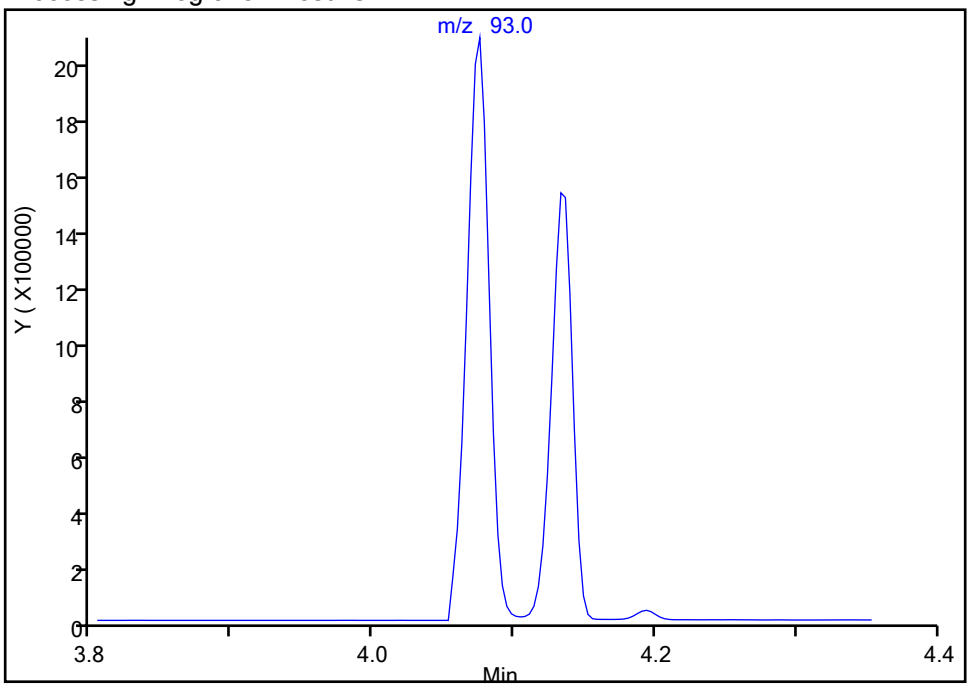
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48928.d
Injection Date: 04-Mar-2024 11:52:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

8 Aniline, CAS: 62-53-3

Signal: 1

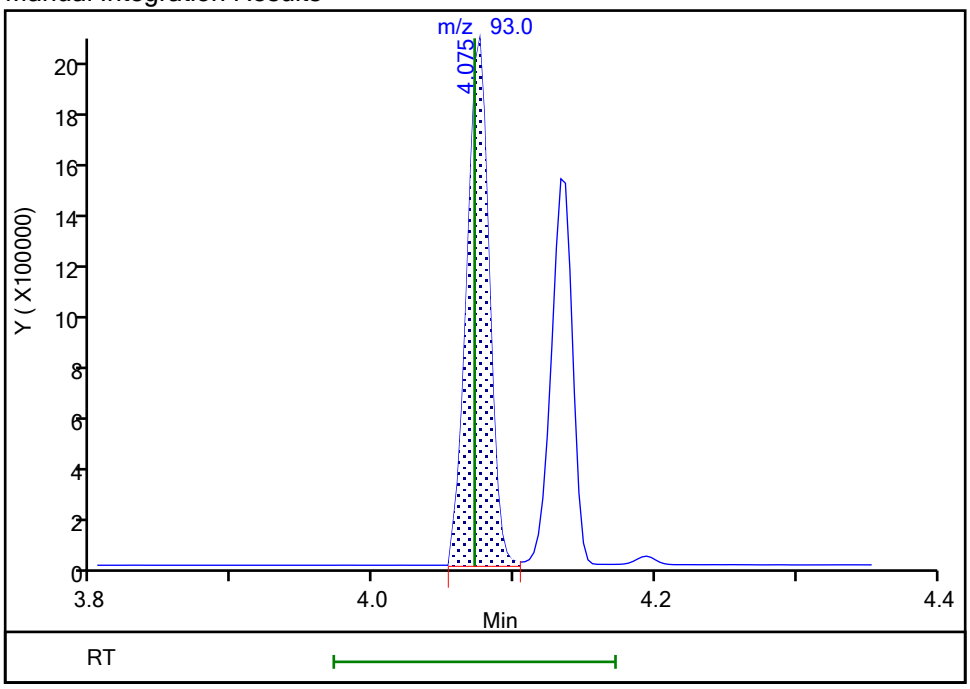
Not Detected
Expected RT: 4.07

Processing Integration Results



Manual Integration Results

RT: 4.08
Area: 2236974
Amount: 15.431199
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:12:48 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

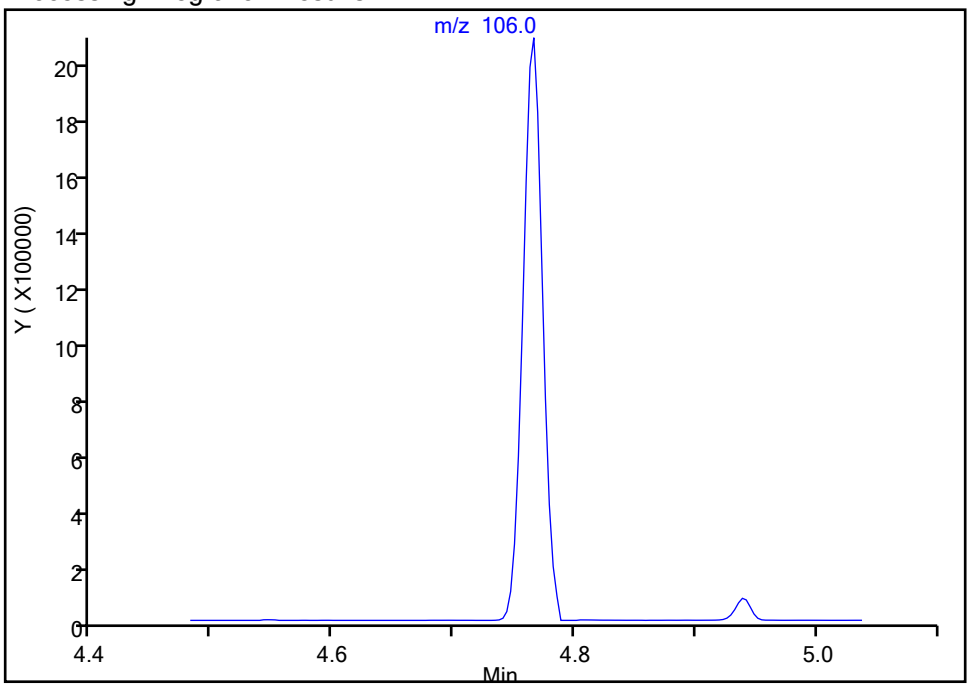
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48928.d
Injection Date: 04-Mar-2024 11:52:30 Instrument ID: CBNAMS14
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

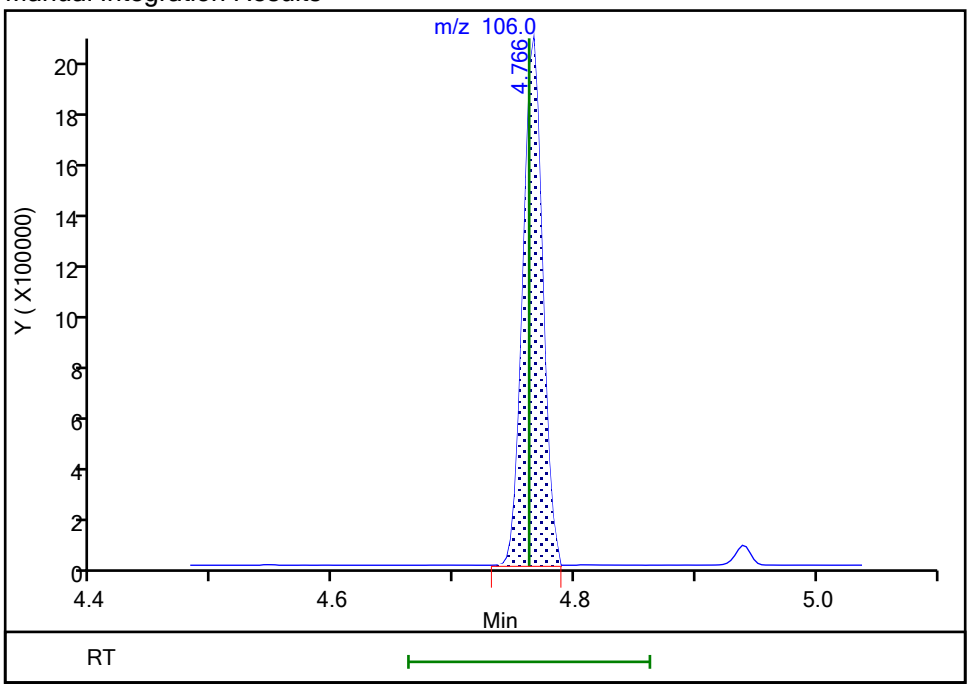
Not Detected
Expected RT: 4.76

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 2342655
Amount: 16.911454
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:12:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48930.d
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Mar-2024 12:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-005
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:41 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 12:56:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.856	1.856	0.000	91	179312	4.00	4.20	
2 N-Nitrosodimethylamine	74	2.060	2.060	0.000	94	271835	4.00	4.19	
3 Pyridine	79	2.095	2.095	0.000	95	896126	8.00	9.15	
$ 4 2-Fluorophenol	112	3.158	3.158	0.000	97	406956	4.00	4.10	
5 Benzaldehyde	77	3.966	3.966	0.000	96	272628	3.20	3.31	
$ 6 Phenol-d5	99	4.036	4.036	0.000	94	482363	4.00	4.14	
7 Phenol	94	4.049	4.049	0.000	97	579175	4.00	4.20	
8 Aniline	93	4.068	4.068	0.000	95	636307	4.00	4.25	
9 Bis(2-chloroethyl)ether	93	4.126	4.126	0.000	98	425355	4.00	4.20	
10 Benzonitrile	103	4.142	4.142	0.000	98	780453	NC	NC	
11 2-Chlorophenol	128	4.187	4.187	0.000	98	445135	4.00	4.22	
12 n-Decane	43	4.228	4.228	0.000	89	392128	4.00	4.25	
13 1,3-Dichlorobenzene	146	4.330	4.330	0.000	96	498311	4.00	4.22	
* 14 1,4-Dichlorobenzene-d4	152	4.385	4.385	0.000	95	587160	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.401	4.401	0.000	96	503306	4.00	4.23	
16 Benzyl alcohol	108	4.513	4.513	0.000	96	262109	4.00	4.21	
17 1,2-Dichlorobenzene	146	4.544	4.544	0.000	96	473543	4.00	4.25	
18 2-Methylphenol	108	4.628	4.628	0.000	93	374802	4.00	4.21	
19 2,2'-oxybis[1-chloropropane]	45	4.644	4.644	0.000	95	471566	4.00	4.31	a
20 N-Methylaniline	106	4.759	4.759	0.000	94	624974	4.00	4.37	
22 N-Nitrosodi-n-propylamine	70	4.765	4.765	0.000	69	273078	4.00	4.30	
21 Acetophenone	105	4.765	4.765	0.000	94	584649	4.00	4.30	
23 3 & 4 Methylphenol	108	4.775	4.775	0.000	76	428268	4.00	4.30	a
24 4-Methylphenol	108	4.775	4.775	0.000	98	428268	4.00	4.30	a
25 Hexachloroethane	117	4.867	4.867	0.000	95	181999	4.00	4.29	
$ 27 Nitrobenzene-d5	82	4.909	4.909	0.000	85	402936	4.00	4.21	
28 Nitrobenzene	123	4.928	4.928	0.000	99	212321	4.00	4.38	
29 n,n'-Dimethylaniline	120	4.931	4.931	0.000	93	617541	4.00	4.18	
30 Isophorone	82	5.155	5.155	0.000	99	728874	4.00	4.33	
32 2-Nitrophenol	139	5.235	5.235	0.000	95	220977	4.00	4.13	
33 2,4-Dimethylphenol	122	5.283	5.283	0.000	92	330902	4.00	4.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.369	5.369	0.000	98	475870	4.00	4.23	
35 Benzoic acid	122	5.359	5.359	0.000	88	171743	4.00	3.77	
36 2,4-Dichlorophenol	162	5.471	5.471	0.000	97	334852	4.00	4.20	
37 1,2,4-Trichlorobenzene	180	5.545	5.545	0.000	94	382922	4.00	4.19	
* 38 Naphthalene-d8	136	5.599	5.599	0.000	99	2073974	8.00	8.00	
39 Naphthalene	128	5.618	5.618	0.000	99	1218049	4.00	4.21	
40 4-Chloroaniline	127	5.673	5.673	0.000	97	483941	4.00	4.46	
130 2,6-Dichlorophenol	162	5.682	5.682	0.000	99	328394	4.00	4.17	
41 Hexachlorobutadiene	225	5.740	5.740	0.000	97	203939	4.00	4.12	
42 Caprolactam	113	5.983	5.983	0.000	94	70535	3.20	3.69	
43 4-Chloro-3-methylphenol	107	6.149	6.149	0.000	95	309768	4.00	4.25	
44 2-Methylnaphthalene	142	6.280	6.280	0.000	84	752116	4.00	4.24	
45 1-Methylnaphthalene	142	6.373	6.373	0.000	92	702408	4.00	4.28	
46 Hexachlorocyclopentadiene	237	6.430	6.430	0.000	98	240208	4.00	4.14	
47 1,2,4,5-Tetrachlorobenzene	216	6.440	6.440	0.000	97	351745	4.00	4.16	
48 2-tertbutyl-4-methylphenol	149	6.478	6.478	0.000	95	424821	4.00	4.22	
49 2,4,6-Trichlorophenol	196	6.552	6.552	0.000	91	219887	4.00	4.25	
50 2,4,5-Trichlorophenol	196	6.590	6.590	0.000	98	239139	4.00	4.18	
$ 51 2-Fluorobiphenyl	172	6.632	6.632	0.000	97	777178	4.00	4.07	
52 1,1'-Biphenyl	154	6.725	6.725	0.000	95	894632	4.00	4.22	
53 2-Chloronaphthalene	162	6.741	6.741	0.000	98	696571	4.00	4.19	
54 Phenyl ether	170	6.827	6.827	0.000	87	450732	4.00	4.00	
55 2-Nitroaniline	65	6.840	6.840	0.000	95	212565	4.00	4.17	
57 1,3-Dimethylnaphthalene	156	6.952	6.952	0.000	92	512678	4.00	4.05	
59 Dimethyl phthalate	163	7.015	7.015	0.000	99	709328	4.00	4.26	
60 Coumarin	146	7.031	7.031	0.000	81	220433	4.00	4.13	
61 2,6-Dinitrotoluene	165	7.070	7.070	0.000	96	165940	4.00	4.36	
62 Acenaphthylene	152	7.134	7.134	0.000	97	1106810	4.00	4.32	
63 3-Nitroaniline	138	7.230	7.230	0.000	98	180797	4.00	4.29	
* 64 Acenaphthene-d10	164	7.268	7.268	0.000	95	1021451	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.294	7.294	0.000	97	538687	4.00	4.02	
66 Acenaphthene	154	7.297	7.297	0.000	96	622926	4.00	4.25	
67 2,4-Dinitrophenol	184	7.326	7.326	0.000	97	162284	8.00	8.09	
68 4-Nitrophenol	65	7.409	7.409	0.000	90	210474	8.00	8.56	
69 2,4-Dinitrotoluene	165	7.450	7.450	0.000	96	204536	4.00	4.37	
70 Dibenzofuran	168	7.463	7.463	0.000	97	939115	4.00	4.27	
72 2,3,4,6-Tetrachlorophenol	232	7.582	7.582	0.000	95	181317	4.00	4.26	
73 Diethyl phthalate	149	7.687	7.687	0.000	99	641555	4.00	4.20	
75 Fluorene	166	7.786	7.786	0.000	95	729481	4.00	4.29	
74 4-Chlorophenyl phenyl ether	204	7.789	7.789	0.000	90	349266	4.00	4.17	
76 4-Nitroaniline	138	7.806	7.806	0.000	88	165775	4.00	4.35	
77 4,6-Dinitro-2-methylphenol	198	7.834	7.834	0.000	88	214404	8.00	8.35	
78 N-Nitrosodiphenylamine	169	7.902	7.902	0.000	96	501232	4.00	4.21	
79 1,2-Diphenylhydrazine	77	7.940	7.940	0.000	94	681702	4.00	4.20	
131 Azobenzene	77	7.940	7.940	0.000	0	681766	4.00	4.20	
$ 80 2,4,6-Tribromophenol	330	8.013	8.013	0.000	92	141780	4.00	4.06	
81 4-Bromophenyl phenyl ether	248	8.253	8.253	0.000	94	207012	4.00	4.14	
82 Hexachlorobenzene	284	8.304	8.304	0.000	94	271812	4.00	4.20	
83 Atrazine	200	8.413	8.413	0.000	94	124684	3.20	3.42	
84 Pentachlorophenol	266	8.496	8.496	0.000	95	272267	8.00	8.32	
85 Pentachloronitrobenzene	237	8.506	8.506	0.000	92	73634	4.00	4.12	
86 n-Octadecane	57	8.589	8.589	0.000	90	401863	4.00	4.20	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.672	8.672	0.000	99	1611303	8.00	8.00	
88 Phenanthrene	178	8.695	8.695	0.000	98	923537	4.00	4.22	
89 Anthracene	178	8.743	8.743	0.000	98	948476	4.00	4.24	
90 Carbazole	167	8.896	8.896	0.000	96	804739	4.00	4.26	
91 Di-n-butyl phthalate	149	9.241	9.241	0.000	99	809868	4.00	4.16	
92 Fluoranthene	202	9.820	9.820	0.000	97	845555	4.00	4.34	
93 Benzidine	184	9.954	9.954	0.000	99	358523	4.00	4.36	
94 Pyrene	202	10.034	10.034	0.000	96	867535	4.00	4.25	
95 Bisphenol-A	213	10.098	10.098	0.000	98	258217	4.00	4.27	
$ 96 Terphenyl-d14	244	10.191	10.191	0.000	98	657502	4.00	4.16	
97 Butyl benzyl phthalate	149	10.696	10.696	0.000	97	278008	4.00	4.19	
99 Carbamazepine	193	10.795	10.795	0.000	93	192537	4.00	3.86	
100 3,3'-Dichlorobenzidine	252	11.265	11.265	0.000	98	243132	4.00	4.35	
101 Benzo[a]anthracene	228	11.284	11.284	0.000	100	658009	4.00	4.26	
* 102 Chrysene-d12	240	11.294	11.294	0.000	99	999409	8.00	8.00	
104 Chrysene	228	11.326	11.326	0.000	98	621917	4.00	4.20	
103 Bis(2-ethylhexyl) phthalate	149	11.361	11.361	0.000	87	364690	4.00	4.15	
105 Di-n-octyl phthalate	149	12.198	12.198	0.000	96	577262	4.00	4.22	
106 Benzo[b]fluoranthene	252	12.649	12.649	0.000	99	626246	4.00	4.33	
107 Benzo[k]fluoranthene	252	12.684	12.684	0.000	99	673873	4.00	4.54	
108 Benzo[a]pyrene	252	13.094	13.094	0.000	98	544486	4.00	4.45	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	1016339	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.722	14.722	0.000	99	592772	4.00	4.37	
111 Dibenz(a,h)anthracene	278	14.767	14.767	0.000	99	672789	4.00	4.43	
112 Benzo[g,h,i]perylene	276	15.148	15.148	0.000	98	666488	4.00	4.23	
S 119 Total Cresols	1				0			8.51	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00008 Amount Added: 1.00 Units: mL

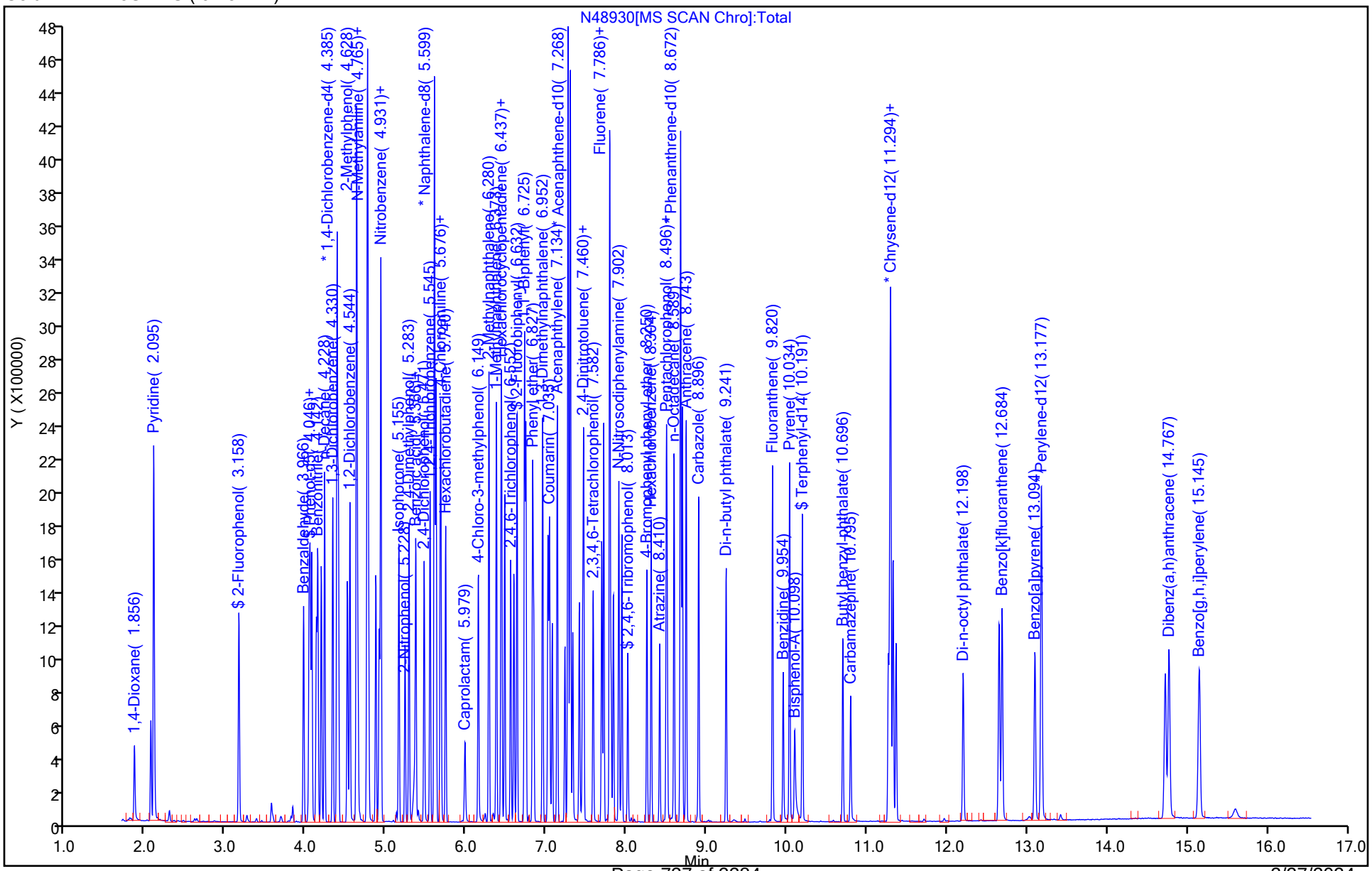
Report Date: 04-Mar-2024 16:38:44 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48930.d

Injection Date:	04-Mar-2024 12:35:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

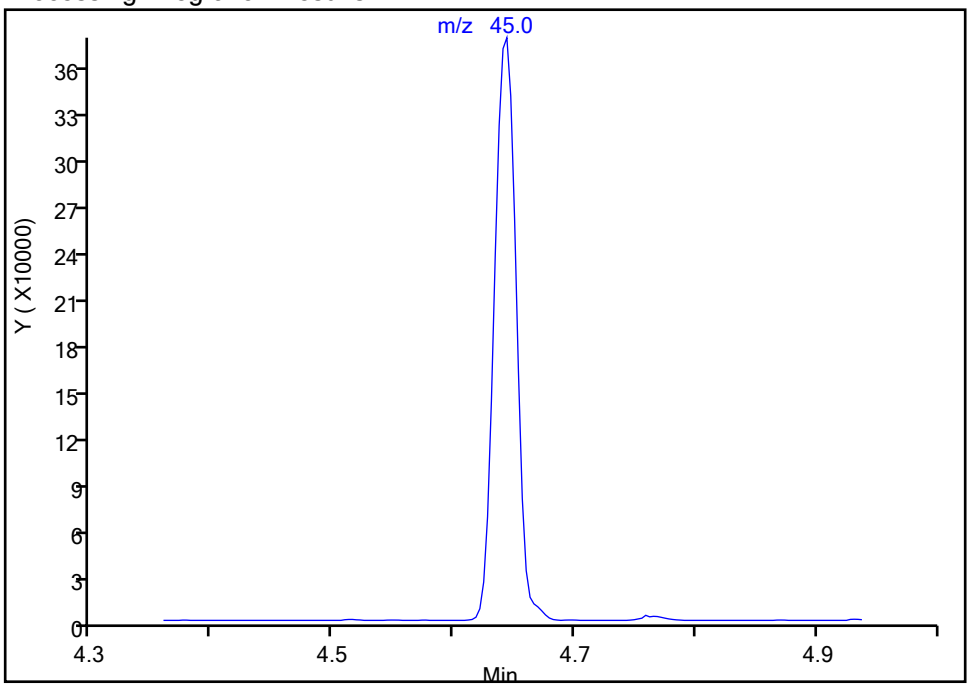
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48930.d
Injection Date: 04-Mar-2024 12:35:30 Instrument ID: CBNAMS14
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

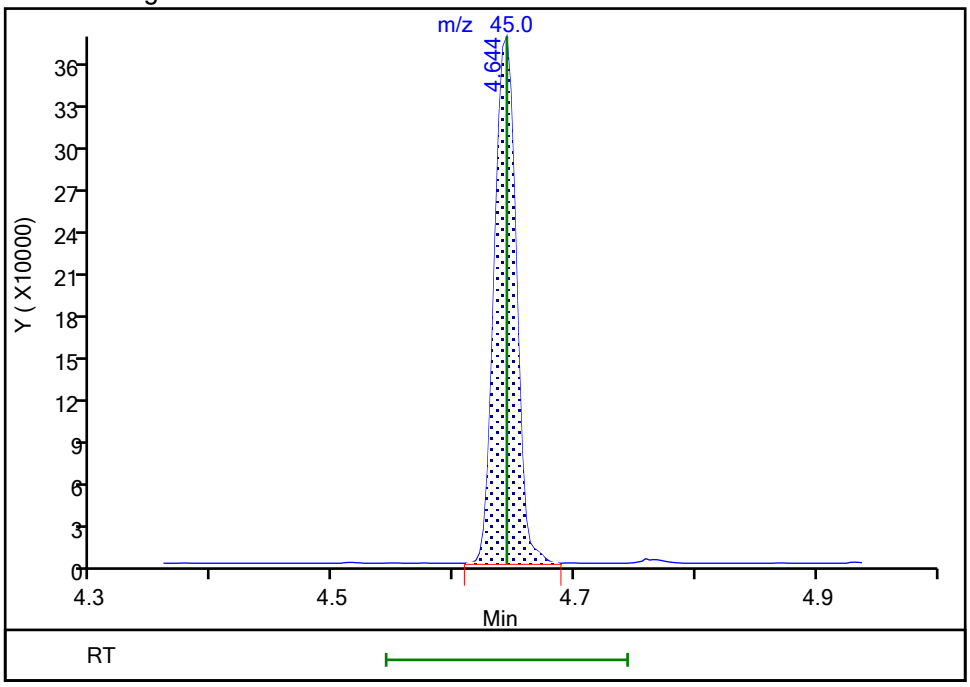
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 471566
Amount: 4.307361
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:56:47 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

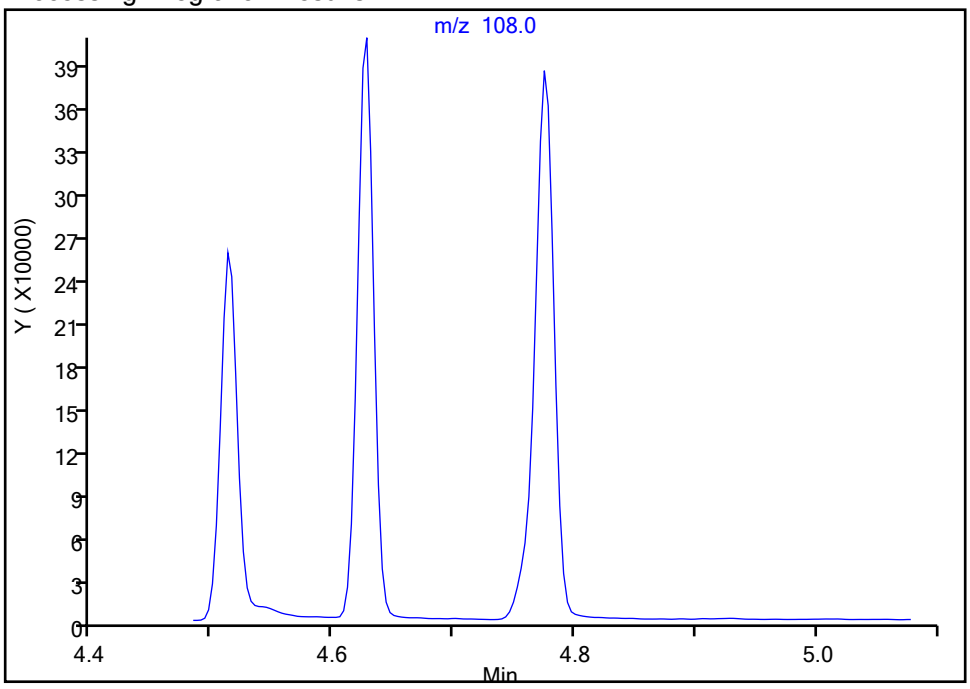
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48930.d
Injection Date: 04-Mar-2024 12:35:30 Instrument ID: CBNAMS14
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

23 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

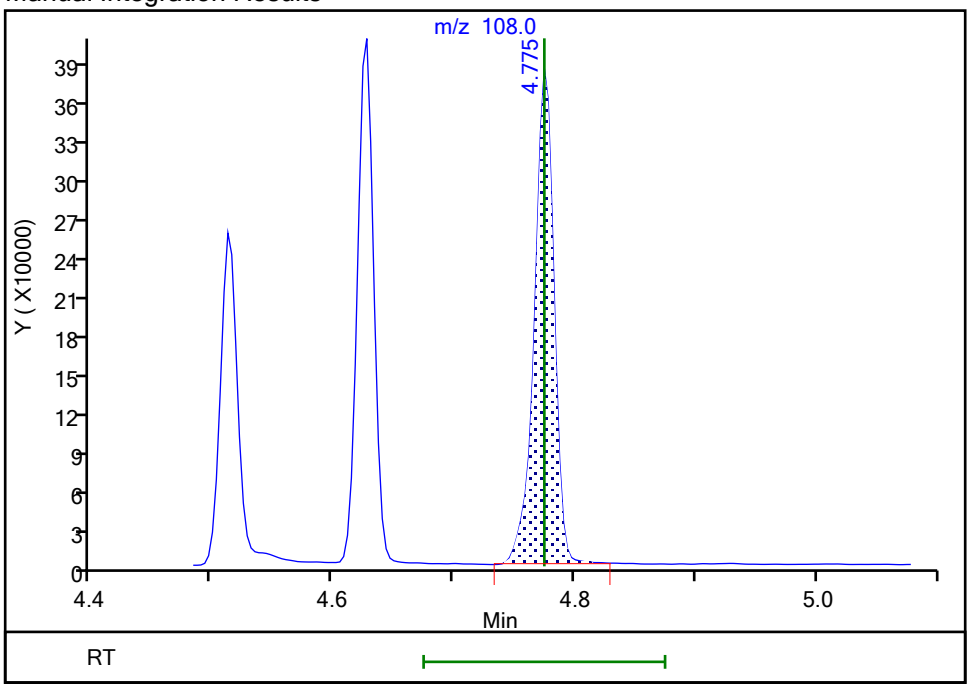
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 428268
Amount: 4.298842
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:56:49 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

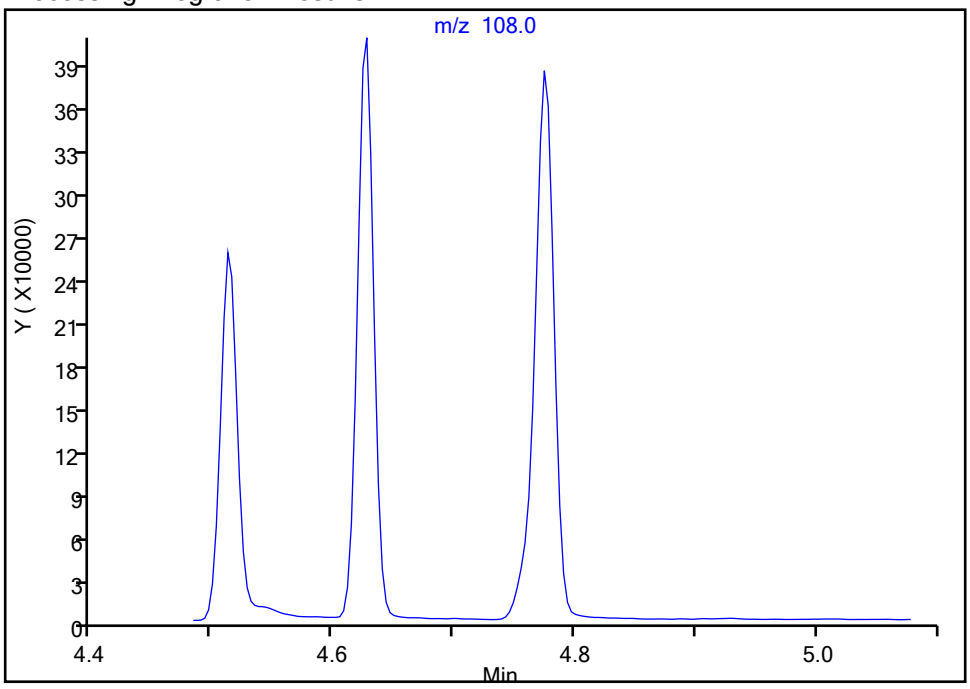
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48930.d				
Injection Date:	04-Mar-2024 12:35:30	Instrument ID:	CBNAMS14		
Lims ID:	STD4				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 4-Methylphenol, CAS: 106-44-5

Signal: 1

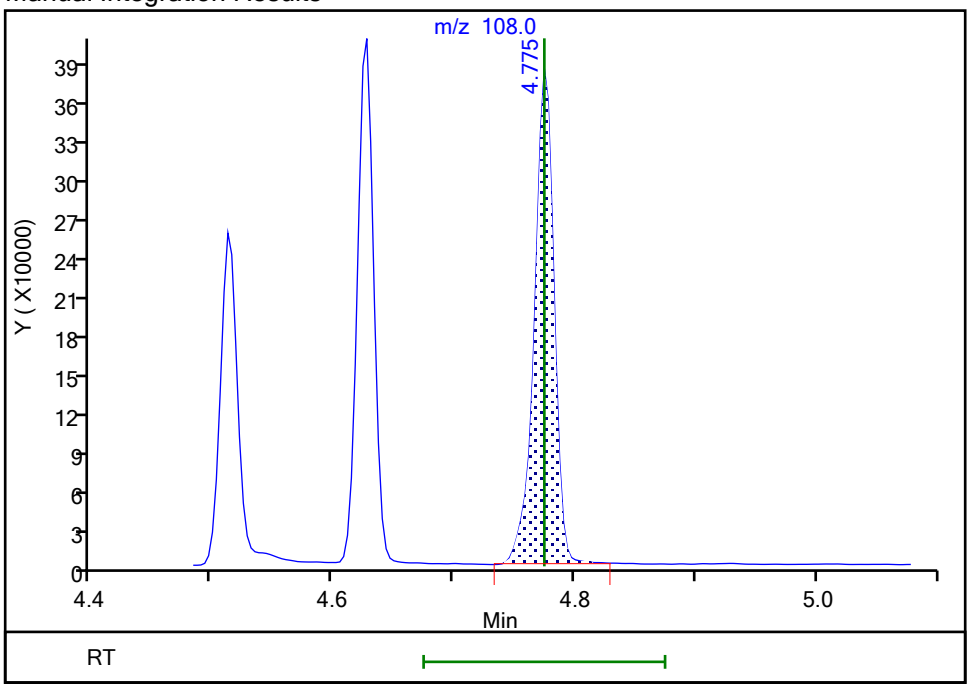
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 428268
Amount: 4.298842
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:56:52 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48932.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Mar-2024 13:17:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-006
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:47 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 13:56:05

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.859	1.856	0.003	93	92996	2.00	2.03	
	2 N-Nitrosodimethylamine	74	2.063	2.060	0.003	95	139437	2.00	2.00	
	3 Pyridine	79	2.101	2.095	0.006	96	470048	4.00	4.48	
$	4 2-Fluorophenol	112	3.161	3.158	0.003	97	211116	2.00	1.98	
	5 Benzaldehyde	77	3.966	3.966	0.000	97	180032	2.00	2.04	
$	6 Phenol-d5	99	4.033	4.036	-0.003	95	256854	2.00	2.06	
	7 Phenol	94	4.046	4.049	-0.003	97	307785	2.00	2.08	
	8 Aniline	93	4.068	4.068	0.000	97	340939	2.00	2.13	
	9 Bis(2-chloroethyl)ether	93	4.123	4.126	-0.003	97	221207	2.00	2.04	
	10 Benzonitrile	103	4.142	4.142	0.000	97	410065	NC	NC	
	11 2-Chlorophenol	128	4.186	4.187	-0.001	98	231510	2.00	2.05	
	12 n-Decane	43	4.228	4.228	0.000	89	208742	2.00	2.11	
	13 1,3-Dichlorobenzene	146	4.330	4.330	0.000	96	265065	2.00	2.09	
*	14 1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	96	629343	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.400	4.401	-0.001	96	268752	2.00	2.11	
	16 Benzyl alcohol	108	4.512	4.513	-0.001	95	133794	2.00	2.01	
	17 1,2-Dichlorobenzene	146	4.544	4.544	0.000	96	252293	2.00	2.11	
	18 2-Methylphenol	108	4.624	4.628	-0.004	92	200550	2.00	2.10	
	19 2,2'-oxybis[1-chloropropane]	45	4.640	4.644	-0.004	95	248538	2.00	2.12	a
	20 N-Methylaniline	106	4.758	4.759	-0.001	86	333000	2.00	2.17	
	22 N-Nitrosodi-n-propylamine	70	4.761	4.765	-0.004	67	146279	2.00	2.15	
	21 Acetophenone	105	4.765	4.765	0.000	92	311606	2.00	2.14	
	23 3 & 4 Methylphenol	108	4.774	4.775	-0.001	79	223753	2.00	2.10	a
	24 4-Methylphenol	108	4.774	4.775	-0.001	98	223753	2.00	2.10	a
	25 Hexachloroethane	117	4.867	4.867	0.000	95	94621	2.00	2.08	
$	27 Nitrobenzene-d5	82	4.909	4.909	-0.001	85	214286	2.00	2.10	
	28 Nitrobenzene	123	4.928	4.928	0.000	99	112605	2.00	2.17	
	29 n,n'-Dimethylaniline	120	4.931	4.931	0.000	92	329083	2.00	2.08	
	30 Isophorone	82	5.154	5.155	-0.001	99	382642	2.00	2.13	
	32 2-Nitrophenol	139	5.231	5.235	-0.004	95	115757	2.00	2.03	
	33 2,4-Dimethylphenol	122	5.282	5.283	-0.001	92	173817	2.00	2.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.343	5.359	-0.016	86	69446	2.00	1.90	
34 Bis(2-chloroethoxy)methane	93	5.365	5.369	-0.004	98	248240	2.00	2.07	
36 2,4-Dichlorophenol	162	5.471	5.471	0.000	97	175080	2.00	2.05	
37 1,2,4-Trichlorobenzene	180	5.544	5.545	-0.001	94	199693	2.00	2.05	
* 38 Naphthalene-d8	136	5.599	5.599	0.000	99	2216071	8.00	8.00	
39 Naphthalene	128	5.618	5.618	0.000	99	654884	2.00	2.12	
40 4-Chloroaniline	127	5.672	5.673	-0.001	97	257346	2.00	2.22	
130 2,6-Dichlorophenol	162	5.679	5.682	-0.003	98	177885	2.00	2.11	
41 Hexachlorobutadiene	225	5.739	5.740	-0.001	97	109012	2.00	2.06	
42 Caprolactam	113	5.972	5.983	-0.011	95	43098	2.00	2.11	
43 4-Chloro-3-methylphenol	107	6.145	6.149	-0.004	96	160056	2.00	2.05	
44 2-Methylnaphthalene	142	6.279	6.280	-0.001	85	402535	2.00	2.12	
45 1-Methylnaphthalene	142	6.372	6.373	-0.001	92	367326	2.00	2.09	
46 Hexachlorocyclopentadiene	237	6.429	6.430	-0.001	97	122584	2.00	1.98	
47 1,2,4,5-Tetrachlorobenzene	216	6.439	6.440	-0.001	97	186382	2.00	2.06	
48 2-tertbutyl-4-methylphenol	149	6.477	6.478	-0.001	91	217770	2.00	2.02	
49 2,4,6-Trichlorophenol	196	6.551	6.552	-0.001	90	116753	2.00	2.11	
50 2,4,5-Trichlorophenol	196	6.589	6.590	-0.001	98	123395	2.00	2.02	
$ 51 2-Fluorobiphenyl	172	6.628	6.632	-0.004	97	419530	2.00	2.06	
52 1,1'-Biphenyl	154	6.724	6.725	0.000	95	474403	2.00	2.09	
53 2-Chloronaphthalene	162	6.740	6.741	0.000	98	372577	2.00	2.10	
54 Phenyl ether	170	6.826	6.827	-0.001	87	245435	2.00	2.04	
55 2-Nitroaniline	65	6.836	6.840	-0.004	96	110441	2.00	2.03	
57 1,3-Dimethylnaphthalene	156	6.951	6.952	-0.001	93	275190	2.00	2.03	
59 Dimethyl phthalate	163	7.014	7.015	-0.001	99	371874	2.00	2.09	
60 Coumarin	146	7.030	7.031	-0.001	81	117394	2.00	2.06	
61 2,6-Dinitrotoluene	165	7.069	7.070	-0.001	96	87989	2.00	2.16	
62 Acenaphthylene	152	7.133	7.134	-0.001	97	590659	2.00	2.15	
63 3-Nitroaniline	138	7.225	7.230	-0.005	98	95818	2.00	2.13	
* 64 Acenaphthene-d10	164	7.267	7.268	-0.001	95	1092051	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.293	7.294	-0.001	97	282260	2.00	1.97	
66 Acenaphthene	154	7.296	7.297	-0.001	96	331049	2.00	2.11	
67 2,4-Dinitrophenol	184	7.325	7.326	-0.001	97	68794	4.00	3.83	
68 4-Nitrophenol	65	7.408	7.409	-0.001	89	104793	4.00	3.99	
69 2,4-Dinitrotoluene	165	7.446	7.450	-0.004	97	108903	2.00	2.18	
70 Dibenzofuran	168	7.462	7.463	-0.001	97	501839	2.00	2.14	
72 2,3,4,6-Tetrachlorophenol	232	7.580	7.582	-0.002	94	91069	2.00	2.00	
73 Diethyl phthalate	149	7.686	7.687	-0.001	99	339251	2.00	2.08	
75 Fluorene	166	7.785	7.786	-0.001	94	386827	2.00	2.13	
74 4-Chlorophenyl phenyl ether	204	7.788	7.789	-0.001	90	188465	2.00	2.11	
76 4-Nitroaniline	138	7.801	7.806	-0.005	88	85067	2.00	2.09	
77 4,6-Dinitro-2-methylphenol	198	7.830	7.834	-0.004	89	106034	4.00	3.84	
78 N-Nitrosodiphenylamine	169	7.900	7.902	-0.002	96	268767	2.00	2.10	
79 1,2-Diphenylhydrazine	77	7.939	7.940	-0.001	94	363787	2.00	2.09	
131 Azobenzene	77	7.939	7.940	-0.001	0	363963	2.00	2.09	
$ 80 2,4,6-Tribromophenol	330	8.012	8.013	-0.001	91	78117	2.00	2.09	
81 4-Bromophenyl phenyl ether	248	8.252	8.253	-0.001	93	110193	2.00	2.05	
82 Hexachlorobenzene	284	8.303	8.304	-0.001	94	145267	2.00	2.09	
83 Atrazine	200	8.411	8.413	-0.002	94	82895	2.00	2.11	
84 Pentachlorophenol	266	8.495	8.496	-0.001	96	131028	4.00	3.72	
85 Pentachloronitrobenzene	237	8.504	8.506	-0.002	91	37723	2.00	1.96	
86 n-Octadecane	57	8.591	8.589	0.002	90	205621	2.00	2.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.671	8.672	-0.001	99	1733343	8.00	8.00	
88 Phenanthrene	178	8.693	8.695	-0.002	97	499215	2.00	2.12	
89 Anthracene	178	8.741	8.743	-0.002	98	505375	2.00	2.10	
90 Carbazole	167	8.898	8.896	0.002	96	430798	2.00	2.12	
91 Di-n-butyl phthalate	149	9.239	9.241	-0.002	99	402658	2.00	1.92	
92 Fluoranthene	202	9.817	9.820	-0.003	97	443694	2.00	2.12	
93 Benzidine	184	9.952	9.954	-0.002	99	184620	2.00	2.09	
94 Pyrene	202	10.032	10.034	-0.002	97	458063	2.00	2.12	
95 Bisphenol-A	213	10.099	10.098	0.001	98	114485	2.00	1.79	
$ 96 Terphenyl-d14	244	10.192	10.191	0.001	96	352504	2.00	2.11	
97 Butyl benzyl phthalate	149	10.696	10.696	0.000	97	127094	2.00	1.81	
99 Carbamazepine	193	10.792	10.795	-0.003	93	81329	2.00	1.89	
100 3,3'-Dichlorobenzidine	252	11.265	11.265	0.000	98	117520	2.00	1.99	
101 Benzo[a]anthracene	228	11.284	11.284	0.000	100	333266	2.00	2.04	
* 102 Chrysene-d12	240	11.294	11.294	0.000	99	1057343	8.00	8.00	
104 Chrysene	228	11.323	11.326	-0.003	98	323456	2.00	2.07	
103 Bis(2-ethylhexyl) phthalate	149	11.361	11.361	0.000	86	171455	2.00	1.94	
105 Di-n-octyl phthalate	149	12.198	12.198	0.000	96	254189	2.00	1.78	
106 Benzo[b]fluoranthene	252	12.646	12.649	-0.003	98	312086	2.00	2.07	
107 Benzo[k]fluoranthene	252	12.684	12.684	0.000	100	336167	2.00	2.18	
108 Benzo[a]pyrene	252	13.093	13.094	-0.001	97	262671	2.00	2.06	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	1057220	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.718	14.722	-0.004	99	292595	2.00	2.07	
111 Dibenz(a,h)anthracene	278	14.766	14.767	-0.001	98	338056	2.00	2.14	
112 Benzo[g,h,i]perylene	276	15.143	15.148	-0.005	98	336551	2.00	2.06	
S 119 Total Cresols	1				0			4.20	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:38:49 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48932.d

Injection Date: 04-Mar-2024 13:17:30 Instrument ID: CBNAMS14 Operator ID:

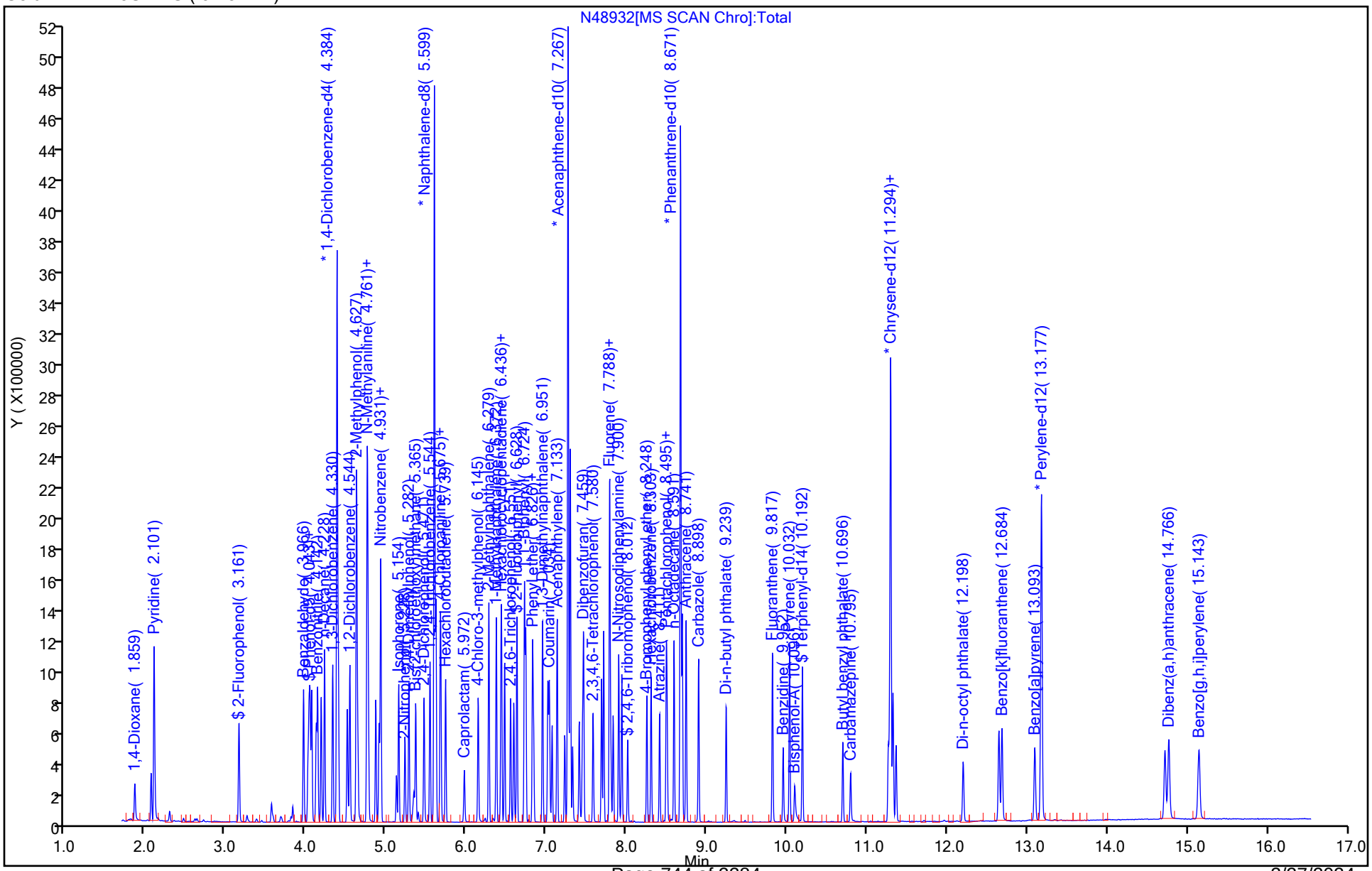
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

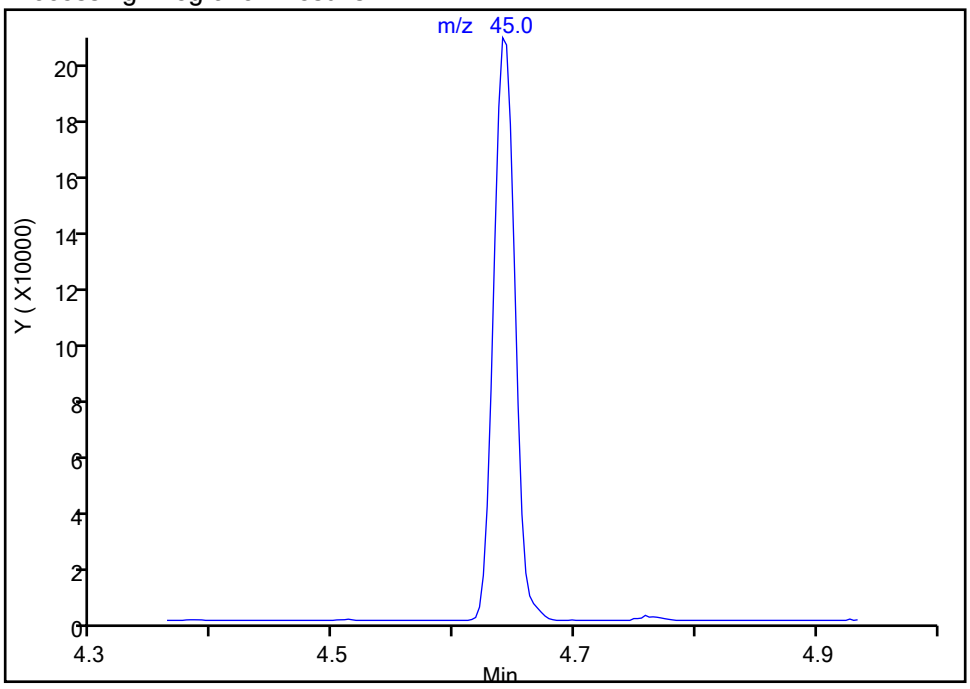
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48932.d
Injection Date: 04-Mar-2024 13:17:30 Instrument ID: CBNAMS14
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

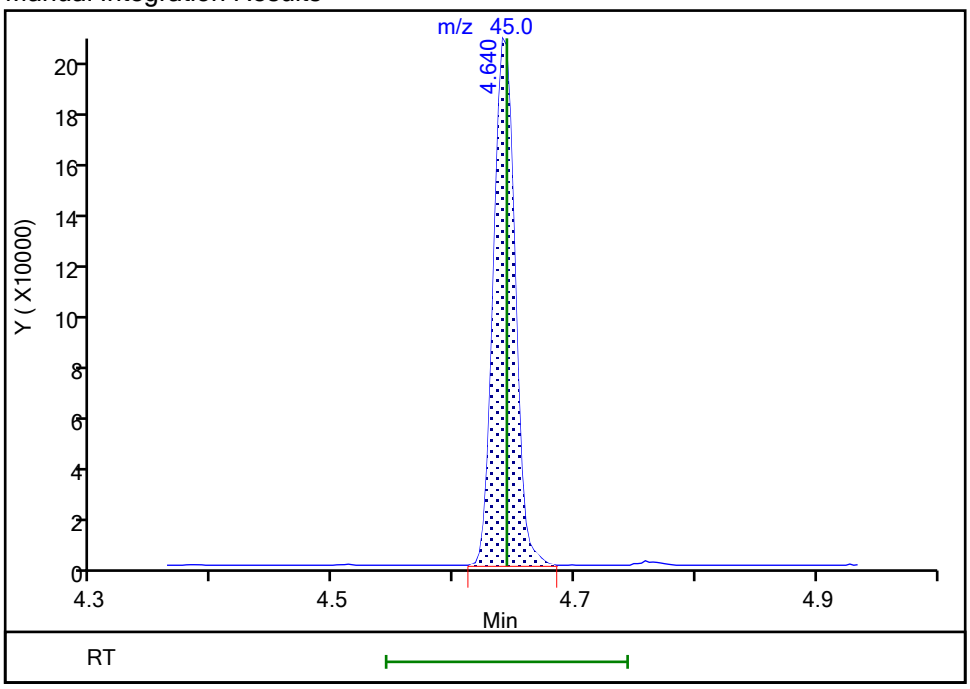
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 248538
Amount: 2.118023
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:55:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

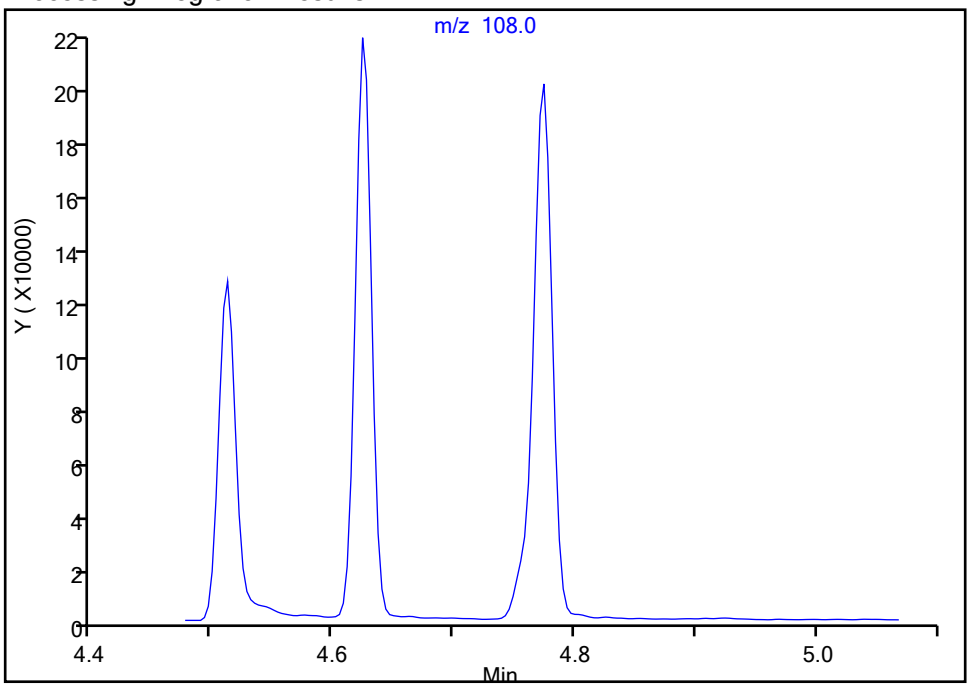
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48932.d				
Injection Date:	04-Mar-2024 13:17:30	Instrument ID:	CBNAMS14		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

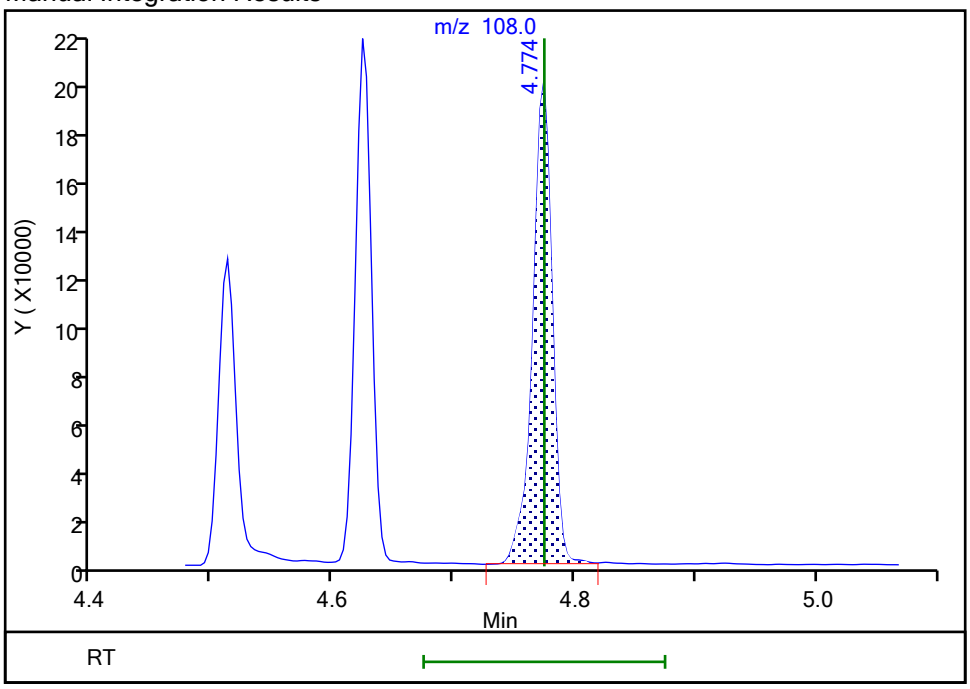
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 223753
Amount: 2.095433
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:55:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

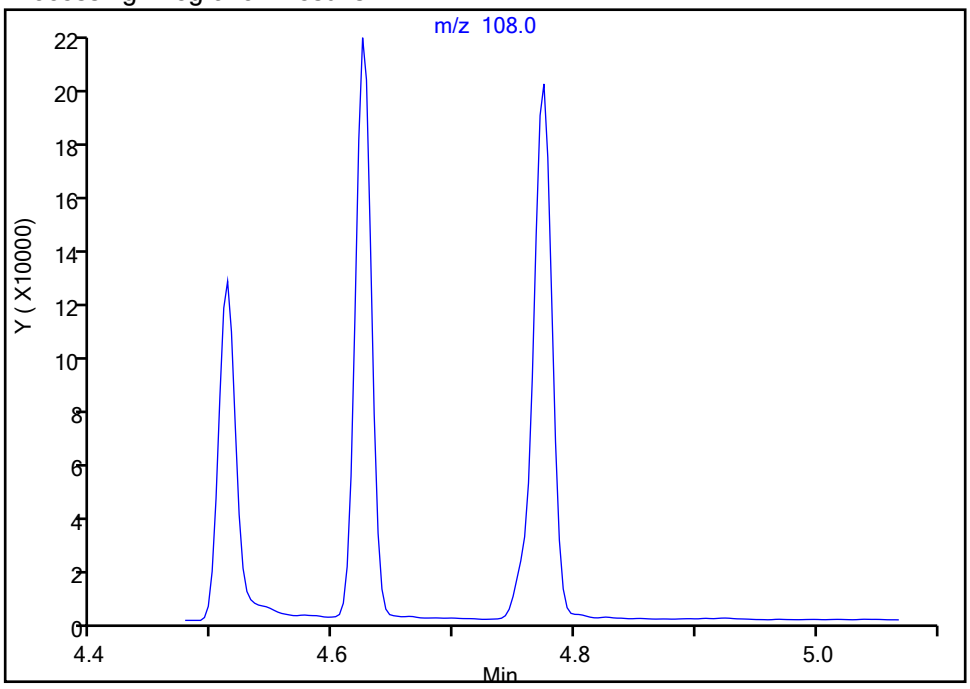
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48932.d
Injection Date: 04-Mar-2024 13:17:30 Instrument ID: CBNAMS14
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

24 4-Methylphenol, CAS: 106-44-5

Signal: 1

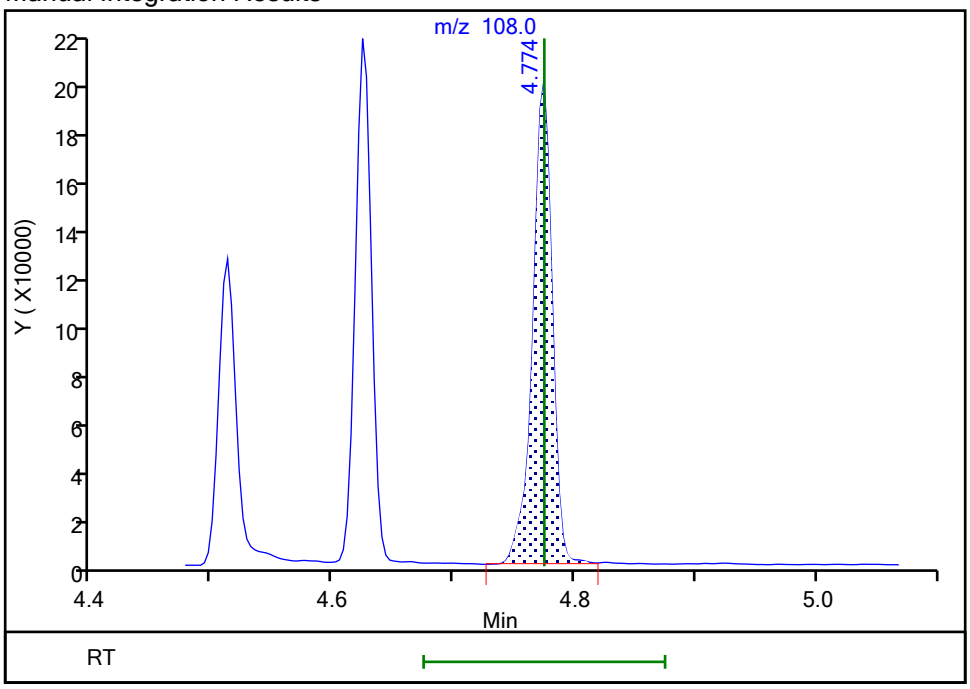
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.77
Area: 223753
Amount: 2.095433
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:55:19 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48934.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Mar-2024 14:00:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-007
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:52 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 14:21:54

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.888	1.856	0.032	93	58525	1.00	0.99	
	2 N-Nitrosodimethylamine	74	2.085	2.060	0.025	96	89089	1.00	0.99	
	3 Pyridine	79	2.124	2.095	0.029	95	293073	2.00	2.16	
$	4 2-Fluorophenol	112	3.168	3.158	0.010	97	134040	1.00	0.9766	
	5 Benzaldehyde	77	3.966	3.966	0.000	97	117289	1.00	1.03	
$	6 Phenol-d5	99	4.033	4.036	-0.003	95	163319	1.00	1.01	
	7 Phenol	94	4.046	4.049	-0.003	97	195297	1.00	1.02	
	8 Aniline	93	4.068	4.068	0.000	95	215050	1.00	1.04	
	9 Bis(2-chloroethyl)ether	93	4.122	4.126	-0.004	97	143538	1.00	1.03	
	10 Benzonitrile	103	4.141	4.142	-0.001	97	265031	NC	NC	
	11 2-Chlorophenol	128	4.186	4.187	-0.001	97	147064	1.00	1.01	
	12 n-Decane	43	4.228	4.228	0.000	89	129524	1.00	1.01	
	13 1,3-Dichlorobenzene	146	4.330	4.330	0.000	97	170477	1.00	1.04	
*	14 1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	96	811894	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.400	4.401	-0.001	94	171656	1.00	1.04	
	16 Benzyl alcohol	108	4.512	4.513	-0.001	96	88652	1.00	1.03	
	17 1,2-Dichlorobenzene	146	4.544	4.544	0.000	96	158726	1.00	1.03	
	18 2-Methylphenol	108	4.624	4.628	-0.004	91	129904	1.00	1.05	
	19 2,2'-oxybis[1-chloropropane]	45	4.640	4.644	-0.004	93	163263	1.00	1.08	a
	20 N-Methylaniline	106	4.755	4.759	-0.004	89	214572	1.00	1.09	
	22 N-Nitrosodi-n-propylamine	70	4.761	4.765	-0.004	69	98669	1.00	1.12	
	21 Acetophenone	105	4.764	4.765	-0.001	92	204439	1.00	1.09	
	23 3 & 4 Methylphenol	108	4.774	4.775	-0.001	78	144794	1.00	1.05	a
	24 4-Methylphenol	108	4.774	4.775	-0.001	99	144794	1.00	1.05	a
	25 Hexachloroethane	117	4.867	4.867	0.000	94	60117	1.00	1.03	
$	27 Nitrobenzene-d5	82	4.908	4.909	-0.001	86	137064	1.00	1.02	
	28 Nitrobenzene	123	4.927	4.928	-0.001	98	71166	1.00	1.06	
	29 n,n'-Dimethylaniline	120	4.931	4.931	0.000	93	212220	1.00	1.04	
	30 Isophorone	82	5.154	5.155	-0.001	99	249933	1.00	1.05	
	32 2-Nitrophenol	139	5.231	5.235	-0.004	95	73733	1.00	0.9786	
	33 2,4-Dimethylphenol	122	5.279	5.283	-0.004	93	115828	1.00	1.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.336	5.359	-0.023	86	31585	1.00	1.16	
34 Bis(2-chloroethoxy)methane	93	5.365	5.369	-0.004	97	166586	1.00	1.05	
36 2,4-Dichlorophenol	162	5.470	5.471	-0.001	97	111893	1.00	1.00	
37 1,2,4-Trichlorobenzene	180	5.544	5.545	-0.001	94	129515	1.00	1.01	
* 38 Naphthalene-d8	136	5.598	5.599	-0.001	99	2922576	8.00	8.00	
39 Naphthalene	128	5.617	5.618	-0.001	99	430122	1.00	1.06	
40 4-Chloroaniline	127	5.672	5.673	-0.001	97	170508	1.00	1.12	
130 2,6-Dichlorophenol	162	5.678	5.682	-0.004	98	114810	1.00	1.03	
41 Hexachlorobutadiene	225	5.739	5.740	-0.001	97	73856	1.00	1.06	
42 Caprolactam	113	5.969	5.983	-0.014	95	28327	1.00	1.05	
43 4-Chloro-3-methylphenol	107	6.144	6.149	-0.005	96	101884	1.00	0.99	
44 2-Methylnaphthalene	142	6.279	6.280	-0.001	84	264656	1.00	1.06	
45 1-Methylnaphthalene	142	6.371	6.373	-0.002	92	247956	1.00	1.07	
46 Hexachlorocyclopentadiene	237	6.429	6.430	-0.001	97	76783	1.00	0.9050	
47 1,2,4,5-Tetrachlorobenzene	216	6.438	6.440	-0.002	97	122850	1.00	0.99	
48 2-tertbutyl-4-methylphenol	149	6.474	6.478	-0.004	92	146378	1.00	1.03	
49 2,4,6-Trichlorophenol	196	6.550	6.552	-0.002	91	75111	1.00	0.99	
50 2,4,5-Trichlorophenol	196	6.589	6.590	-0.001	98	80124	1.00	0.9570	
$ 51 2-Fluorobiphenyl	172	6.630	6.632	-0.002	98	286682	1.00	1.03	
52 1,1'-Biphenyl	154	6.723	6.725	-0.001	95	319371	1.00	1.03	
53 2-Chloronaphthalene	162	6.739	6.741	-0.001	98	248690	1.00	1.02	
54 Phenyl ether	170	6.825	6.827	-0.002	87	161639	1.00	0.9808	
55 2-Nitroaniline	65	6.835	6.840	-0.005	96	72402	1.00	0.9717	
57 1,3-Dimethylnaphthalene	156	6.950	6.952	-0.002	92	180961	1.00	0.9773	
59 Dimethyl phthalate	163	7.014	7.015	-0.001	99	250371	1.00	1.03	
60 Coumarin	146	7.030	7.031	-0.001	82	77474	1.00	1.03	
61 2,6-Dinitrotoluene	165	7.068	7.070	-0.002	96	56702	1.00	1.02	
62 Acenaphthylene	152	7.132	7.134	-0.002	97	395977	1.00	1.06	
63 3-Nitroaniline	138	7.225	7.230	-0.005	98	61589	1.00	1.00	
* 64 Acenaphthene-d10	164	7.266	7.268	-0.002	96	1493146	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.292	7.294	-0.002	97	192768	1.00	0.9852	
66 Acenaphthene	154	7.295	7.297	-0.002	96	224129	1.00	1.05	
67 2,4-Dinitrophenol	184	7.324	7.326	-0.002	97	34271	2.00	2.05	
68 4-Nitrophenol	65	7.407	7.409	-0.002	90	63956	2.00	1.78	
69 2,4-Dinitrotoluene	165	7.445	7.450	-0.005	96	71902	1.00	1.05	
70 Dibenzofuran	168	7.461	7.463	-0.002	96	336684	1.00	1.05	
72 2,3,4,6-Tetrachlorophenol	232	7.579	7.582	-0.003	94	59447	1.00	0.9550	
73 Diethyl phthalate	149	7.685	7.687	-0.002	99	224687	1.00	1.01	
75 Fluorene	166	7.784	7.786	-0.002	95	263569	1.00	1.06	
74 4-Chlorophenyl phenyl ether	204	7.787	7.789	-0.002	92	128370	1.00	1.05	
76 4-Nitroaniline	138	7.800	7.806	-0.006	88	54601	1.00	0.9798	
77 4,6-Dinitro-2-methylphenol	198	7.829	7.834	-0.005	87	61607	2.00	1.59	
78 N-Nitrosodiphenylamine	169	7.899	7.902	-0.003	97	183056	1.00	1.02	
79 1,2-Diphenylhydrazine	77	7.938	7.940	-0.002	94	245268	1.00	1.00	
131 Azobenzene	77	7.938	7.940	-0.002	0	245268	1.00	1.00	
$ 80 2,4,6-Tribromophenol	330	8.011	8.013	-0.002	91	51329	1.00	1.01	
81 4-Bromophenyl phenyl ether	248	8.251	8.253	-0.002	94	76266	1.00	1.01	
82 Hexachlorobenzene	284	8.305	8.304	0.001	94	98466	1.00	1.01	
83 Atrazine	200	8.410	8.413	-0.003	94	55786	1.00	1.01	
84 Pentachlorophenol	266	8.493	8.496	-0.003	95	81468	2.00	1.65	
85 Pentachloronitrobenzene	237	8.503	8.506	-0.003	89	24002	1.00	0.8885	
86 n-Octadecane	57	8.589	8.589	0.000	90	135054	1.00	0.9335	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.673	8.672	0.001	99	2436407	8.00	8.00	
88 Phenanthrene	178	8.692	8.695	-0.003	97	346453	1.00	1.05	
89 Anthracene	178	8.740	8.743	-0.003	98	349846	1.00	1.03	
90 Carbazole	167	8.896	8.896	0.000	96	289282	1.00	1.01	
91 Di-n-butyl phthalate	149	9.241	9.241	0.000	99	250952	1.00	0.8516	
92 Fluoranthene	202	9.819	9.820	-0.001	97	290257	1.00	0.9855	
93 Benzidine	184	9.953	9.954	-0.001	99	113894	1.00	0.9166	
94 Pyrene	202	10.033	10.034	-0.001	97	307891	1.00	1.11	
95 Bisphenol-A	213	10.097	10.098	-0.001	98	61454	1.00	0.7467	
$ 96 Terphenyl-d14	244	10.193	10.191	0.002	97	236604	1.00	1.10	
97 Butyl benzyl phthalate	149	10.698	10.696	0.002	97	69365	1.00	0.7697	
99 Carbamazepine	193	10.790	10.795	-0.005	92	36752	1.00	1.04	
100 3,3'-Dichlorobenzidine	252	11.263	11.265	-0.002	98	65270	1.00	0.8598	
101 Benzo[a]anthracene	228	11.282	11.284	-0.002	99	213207	1.00	1.02	
* 102 Chrysene-d12	240	11.295	11.294	0.001	99	1358632	8.00	8.00	
104 Chrysene	228	11.324	11.326	-0.002	98	207196	1.00	1.03	
103 Bis(2-ethylhexyl) phthalate	149	11.363	11.361	0.001	88	81886	1.00	0.8057	
105 Di-n-octyl phthalate	149	12.199	12.198	0.001	96	105831	1.00	0.6533	
106 Benzo[b]fluoranthene	252	12.644	12.649	-0.005	98	169417	1.00	0.99	
107 Benzo[k]fluoranthene	252	12.682	12.684	-0.002	99	186365	1.00	1.06	
108 Benzo[a]pyrene	252	13.094	13.094	0.000	98	144932	1.00	1.00	
* 109 Perylene-d12	264	13.177	13.177	0.000	98	1202086	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.715	14.722	-0.007	99	140060	1.00	0.8726	
111 Dibenz(a,h)anthracene	278	14.763	14.767	-0.004	98	158305	1.00	0.8813	
112 Benzo[g,h,i]perylene	276	15.137	15.148	-0.011	98	164934	1.00	0.8861	
S 119 Total Cresols	1				0			2.11	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:38:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48934.d

Injection Date: 04-Mar-2024 14:00:30 Instrument ID: CBNAMS14 Operator ID:

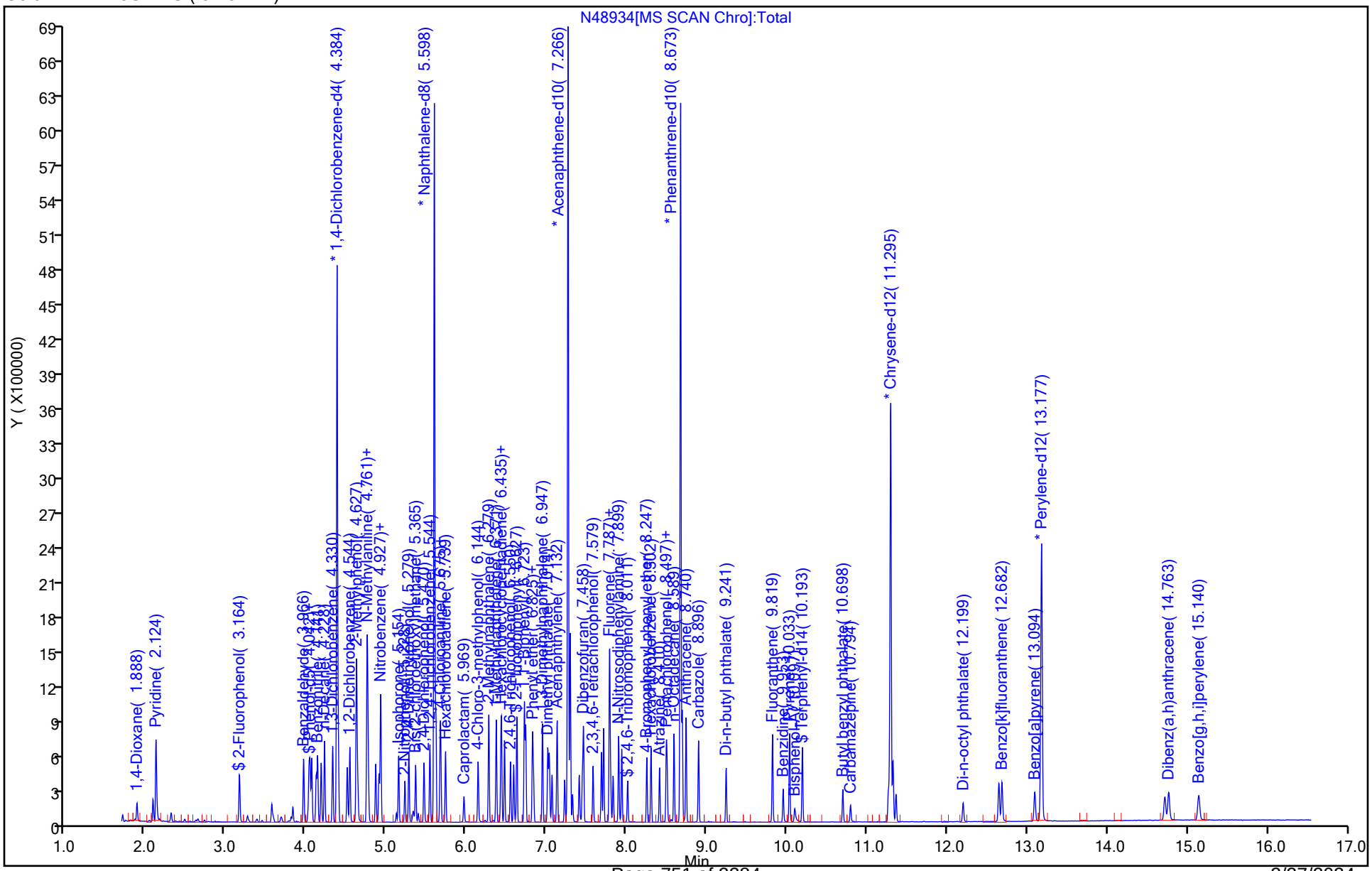
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison

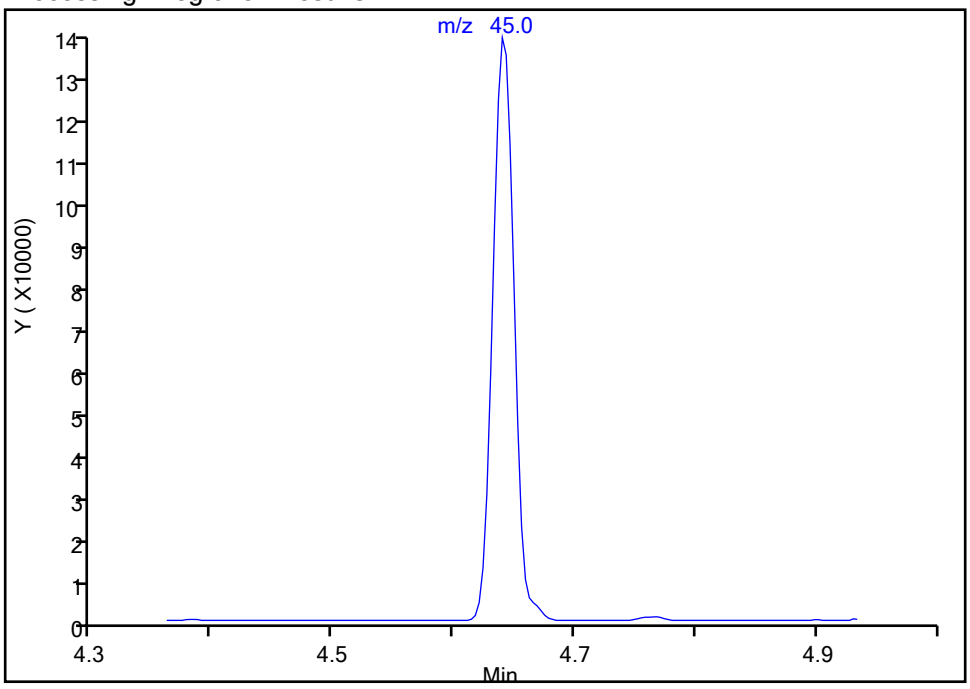
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48934.d
Injection Date: 04-Mar-2024 14:00:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

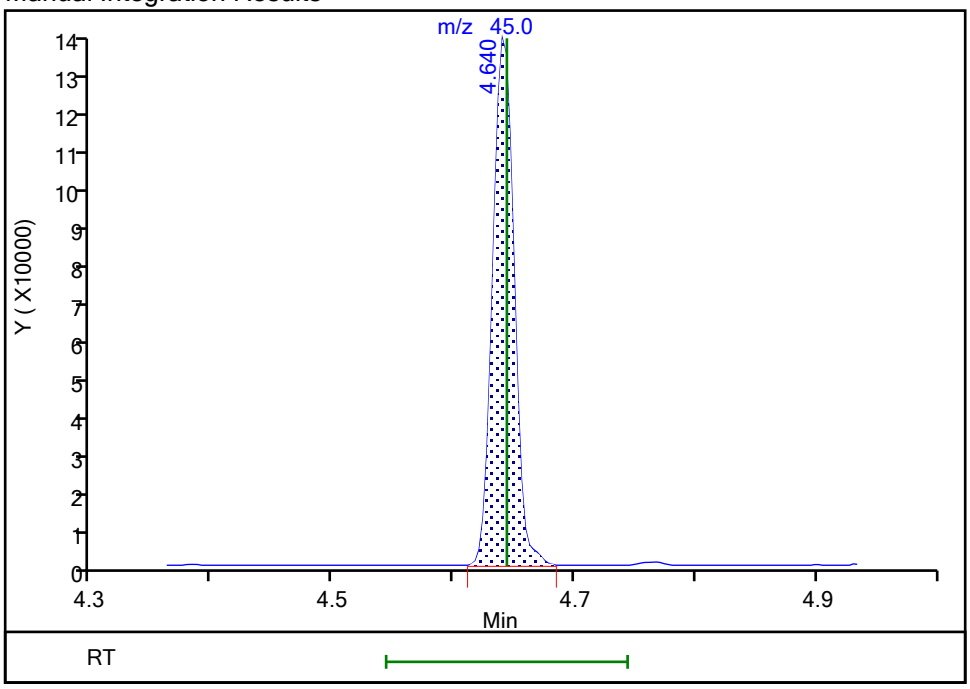
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.64
Area: 163263
Amount: 1.078484
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:21:00 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

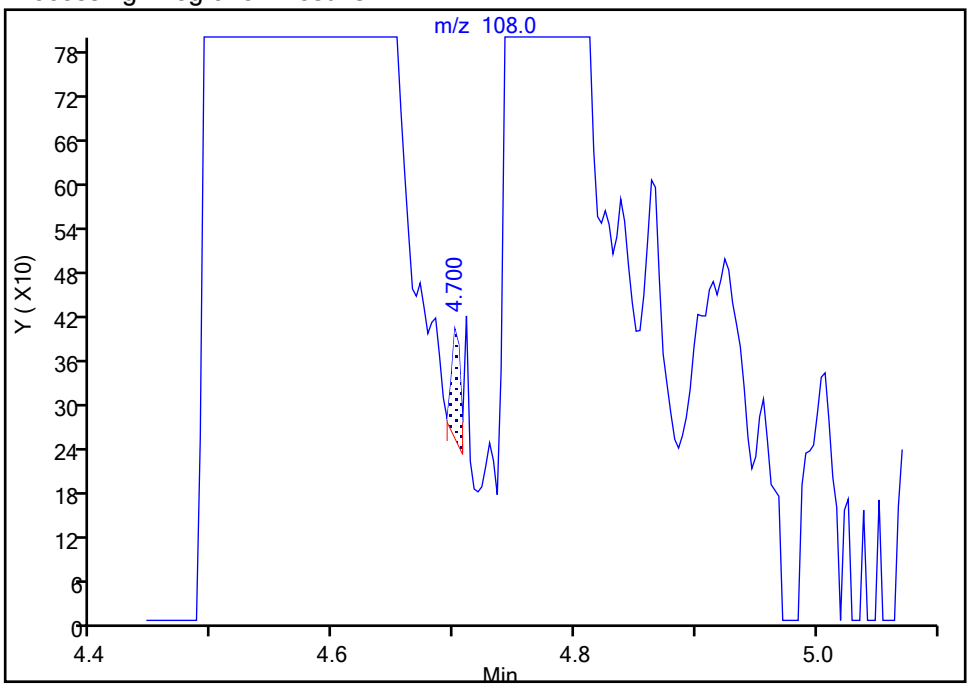
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48934.d				
Injection Date:	04-Mar-2024 14:00:30	Instrument ID:	CBNAMS14		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

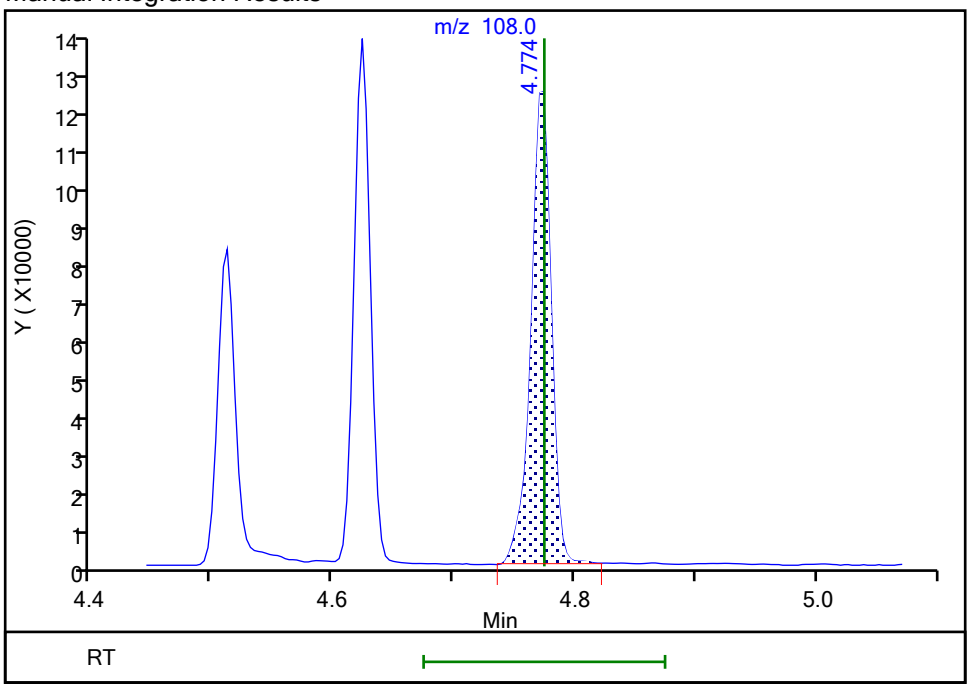
Processing Integration Results

RT: 4.70
Area: 78
Amount: 0.500512
Amount Units: ug/ml



Manual Integration Results

RT: 4.77
Area: 144794
Amount: 1.051099
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:21:41 -05:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

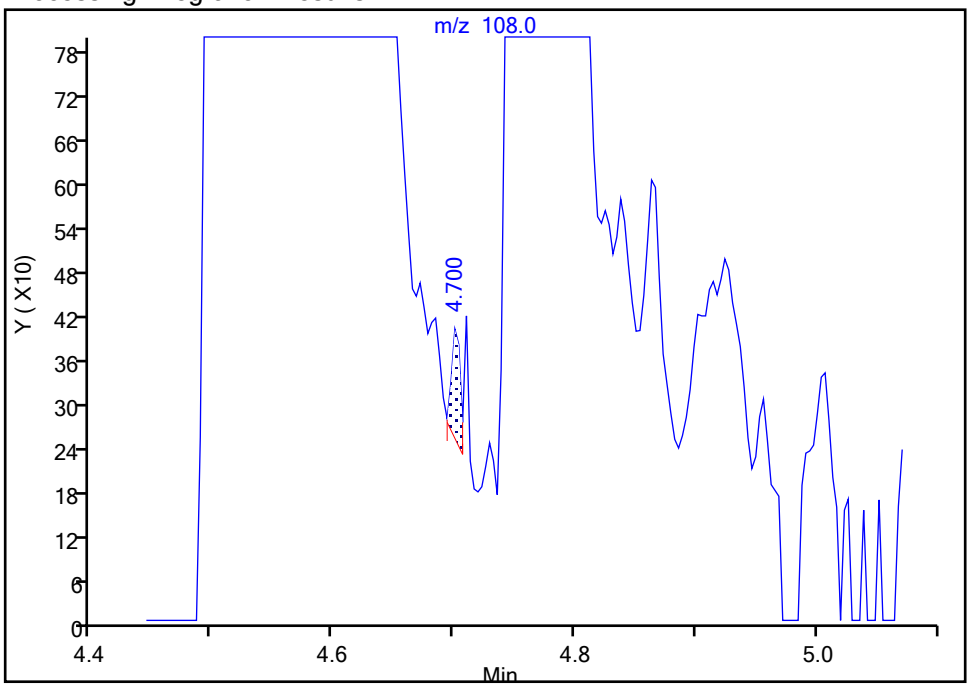
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48934.d
Injection Date: 04-Mar-2024 14:00:30 Instrument ID: CBNAMS14
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

24 4-Methylphenol, CAS: 106-44-5

Signal: 1

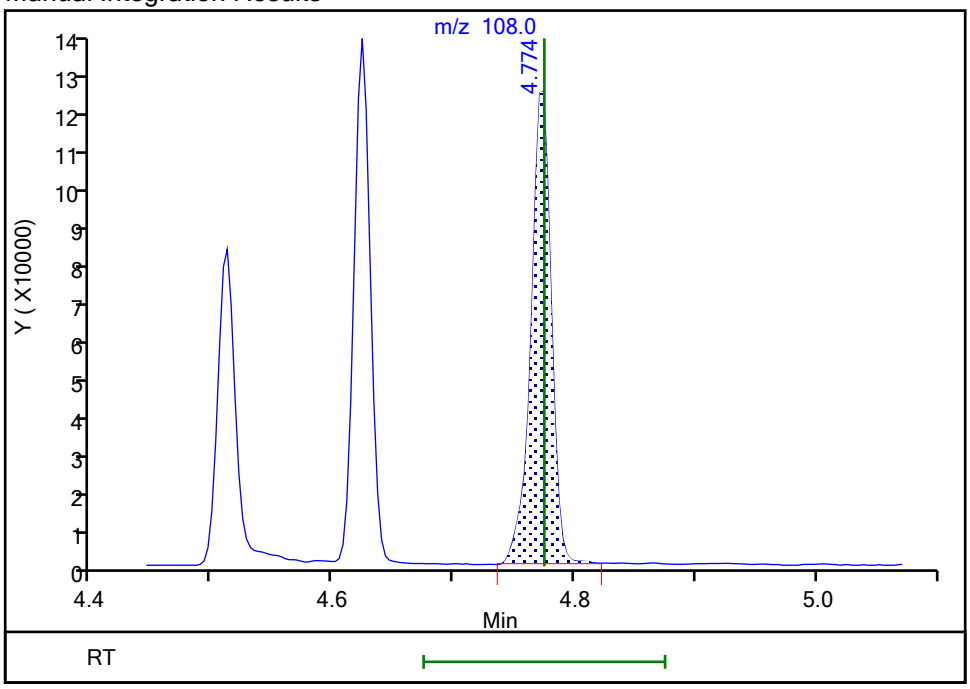
Processing Integration Results

RT: 4.70
Area: 78
Amount: 0.500512
Amount Units: ug/ml



Manual Integration Results

RT: 4.77
Area: 144794
Amount: 1.051099
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:21:44 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48936.d
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Mar-2024 14:44:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-008
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:57 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 15:06:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.965	3.966	-0.001	96	33679	0.4000	0.3761	
* 14 1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	95	638913	8.00	8.00	
* 38 Naphthalene-d8	136	5.597	5.599	-0.002	99	2310526	8.00	8.00	
42 Caprolactam	113	5.961	5.983	-0.022	96	6656	0.4000	0.3126	
* 64 Acenaphthene-d10	164	7.268	7.268	0.000	96	1162346	8.00	8.00	
83 Atrazine	200	8.408	8.413	-0.005	94	14732	0.4000	0.3421	
* 87 Phenanthrene-d10	188	8.670	8.672	-0.002	99	1903444	8.00	8.00	
* 102 Chrysene-d12	240	11.295	11.294	0.001	99	1108209	8.00	8.00	
* 109 Perylene-d12	264	13.176	13.177	-0.001	99	1114929	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00007 Amount Added: 1.00 Units: mL

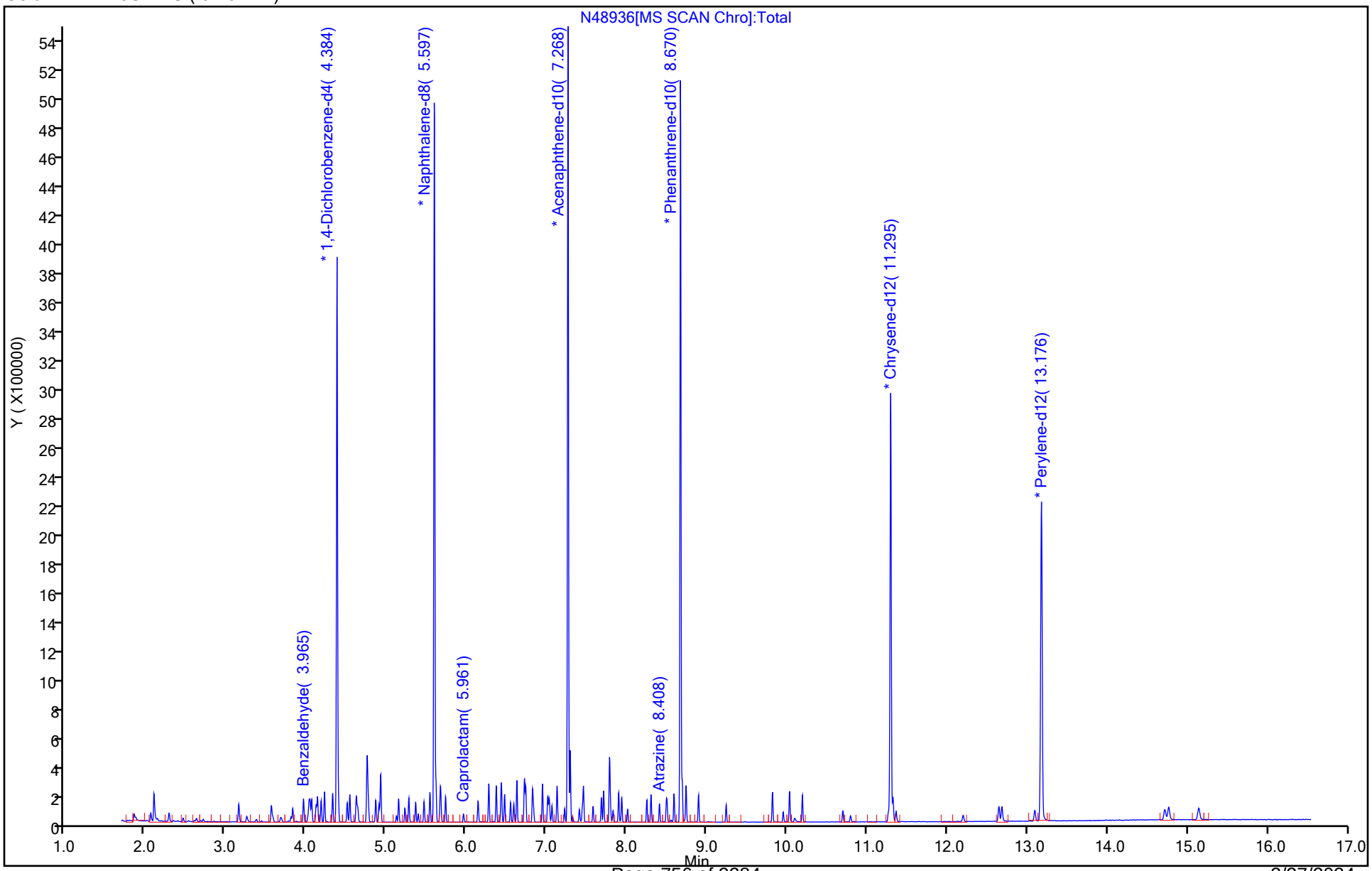
Report Date: 04-Mar-2024 16:38:58 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48936.d

Injection Date:	04-Mar-2024 14:44:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48938.d
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Mar-2024 15:28:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-009
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:38:59 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 15:50:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.101	2.095	0.006	96	39009	0.4000	0.3924	
$ 4 2-Fluorophenol	112	3.158	3.158	0.000	98	17495	0.2000	0.1737	
5 Benzaldehyde	77	3.965	3.966	-0.001	97	16252	0.2000	0.1946	
$ 6 Phenol-d5	99	4.036	4.036	0.000	94	21388	0.2000	0.1811	
9 Bis(2-chloroethyl)ether	93	4.122	4.126	-0.004	98	20336	0.2000	0.1980	
* 14 1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	95	595953	8.00	8.00	
20 N-Methylaniline	106	4.754	4.759	-0.005	87	26446	0.2000	0.1823	
22 N-Nitrosodi-n-propylamine	70	4.761	4.765	-0.004	67	12992	0.2000	0.2015	
25 Hexachloroethane	117	4.866	4.867	-0.001	92	8493	0.2000	0.1974	
$ 27 Nitrobenzene-d5	82	4.907	4.909	-0.002	85	18076	0.2000	0.1840	
28 Nitrobenzene	123	4.927	4.928	-0.001	93	8875	0.2000	0.1805	
29 n,n'-Dimethylaniline	120	4.930	4.931	-0.001	94	30161	0.2000	0.2010	
30 Isophorone	82	5.153	5.155	-0.002	99	31087	0.2000	0.1799	
37 1,2,4-Trichlorobenzene	180	5.543	5.545	-0.002	91	19470	0.2000	0.2078	
* 38 Naphthalene-d8	136	5.597	5.599	-0.002	99	2128518	8.00	8.00	
39 Naphthalene	128	5.616	5.618	-0.002	98	60849	0.2000	0.2050	
40 4-Chloroaniline	127	5.671	5.673	-0.002	97	20326	0.2000	0.1826	
41 Hexachlorobutadiene	225	5.741	5.740	0.001	97	10306	0.2000	0.2027	
42 Caprolactam	113	5.961	5.983	-0.022	90	2470	0.2000	0.1259	
44 2-Methylnaphthalene	142	6.277	6.280	-0.003	86	35717	0.2000	0.1962	
45 1-Methylnaphthalene	142	6.373	6.373	0.000	93	33002	0.2000	0.1958	
48 2-tertbutyl-4-methylphenol	149	6.475	6.478	-0.003	90	16719	0.2000	0.1617	
49 2,4,6-Trichlorophenol	196	6.549	6.552	-0.003	92	8963	0.2000	0.1655	
$ 51 2-Fluorobiphenyl	172	6.628	6.632	-0.004	98	39073	0.2000	0.1955	
61 2,6-Dinitrotoluene	165	7.066	7.070	-0.004	96	6237	0.2000	0.1566	
* 64 Acenaphthene-d10	164	7.267	7.268	-0.001	96	1069152	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.446	7.450	-0.004	95	7192	0.2000	0.1469	
$ 80 2,4,6-Tribromophenol	330	8.011	8.013	-0.002	90	5386	0.2000	0.1474	
82 Hexachlorobenzene	284	8.305	8.304	0.001	92	14453	0.2000	0.2038	
83 Atrazine	200	8.407	8.413	-0.006	93	6198	0.2000	0.1551	
* 87 Phenanthrene-d10	188	8.672	8.672	0.000	99	1766025	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.818	9.820	-0.002	97	37420	0.2000	0.1753	
94 Pyrene	202	10.032	10.034	-0.002	97	41155	0.2000	0.1957	
$ 96 Terphenyl-d14	244	10.192	10.191	0.001	97	29812	0.2000	0.1829	
100 3,3'-Dichlorobenzidine	252	11.265	11.265	0.000	97	7750	0.2000	0.1347	
101 Benzo[a]anthracene	228	11.284	11.284	0.000	98	29627	0.2000	0.1863	
* 102 Chrysene-d12	240	11.294	11.294	0.000	99	1029833	8.00	8.00	
104 Chrysene	228	11.322	11.326	-0.004	97	30159	0.2000	0.1977	
103 Bis(2-ethylhexyl) phthalate	149	11.361	11.361	0.000	89	9842	0.2000	0.2380	
106 Benzo[b]fluoranthene	252	12.645	12.649	-0.004	98	26621	0.2000	0.1814	
107 Benzo[k]fluoranthene	252	12.683	12.684	-0.001	98	25655	0.2000	0.1705	
108 Benzo[a]pyrene	252	13.092	13.094	-0.002	96	19989	0.2000	0.1610	
* 109 Perylene-d12	264	13.175	13.177	-0.002	99	1031184	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.715	14.722	-0.007	98	24604	0.2000	0.1787	
111 Dibenz(a,h)anthracene	278	14.763	14.767	-0.004	98	28118	0.2000	0.1825	

QC Flag Legend

Processing Flags

Reagents:

SV_BNAL2_LVI_00005 Amount Added: 1.00 Units: mL

Report Date: 04-Mar-2024 16:39:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48938.d

Injection Date: 04-Mar-2024 15:28:30 Instrument ID: CBNAMS14 Operator ID:

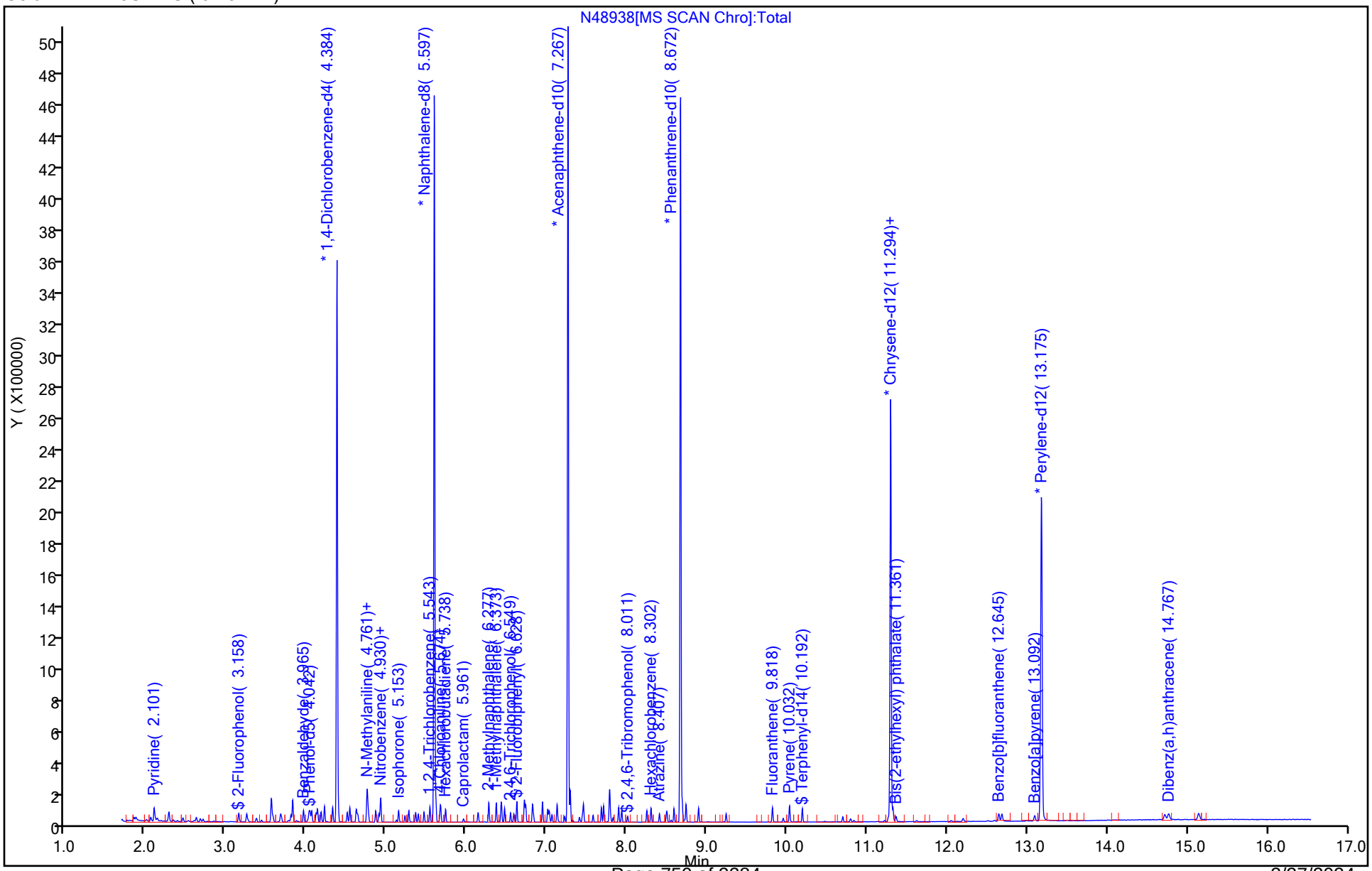
Lims ID: STD02 Worklist Smp#: 9

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2024 16:11:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-010
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 16:39:02 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 16:31:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.111	2.095	0.016	98	16317	0.2000	0.1692	
$ 6 Phenol-d5	99	4.033	4.036	-0.003	93	9654	0.1000	0.0843	a
9 Bis(2-chloroethyl)ether	93	4.122	4.126	-0.004	97	10273	0.1000	0.1031	
* 14 1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	95	578099	8.00	8.00	
20 N-Methylaniline	106	4.757	4.759	-0.002	87	10496	0.1000	0.0746	
22 N-Nitrosodi-n-propylamine	70	4.760	4.765	-0.005	78	5564	0.1000	0.0890	
25 Hexachloroethane	117	4.866	4.867	-0.001	96	4110	0.1000	0.0985	
$ 27 Nitrobenzene-d5	82	4.907	4.909	-0.002	85	7794	0.1000	0.0813	
28 Nitrobenzene	123	4.926	4.928	-0.002	96	4636	0.1000	0.0972	
29 n,n'-Dimethylaniline	120	4.930	4.931	-0.001	90	13966	0.1000	0.0959	Ma
37 1,2,4-Trichlorobenzene	180	5.543	5.545	-0.002	93	9322	0.1000	0.1020	
* 38 Naphthalene-d8	136	5.597	5.599	-0.002	99	2077304	8.00	8.00	
39 Naphthalene	128	5.616	5.618	-0.002	98	29990	0.1000	0.1035	
40 4-Chloroaniline	127	5.670	5.673	-0.003	93	9427	0.1000	0.0868	
41 Hexachlorobutadiene	225	5.741	5.740	0.001	92	4856	0.1000	0.0979	
$ 51 2-Fluorobiphenyl	172	6.628	6.632	-0.004	97	18267	0.1000	0.0943	
* 64 Acenaphthene-d10	164	7.266	7.268	-0.002	99	1036101	8.00	8.00	
82 Hexachlorobenzene	284	8.304	8.304	0.000	93	6638	0.1000	0.0967	
* 87 Phenanthrene-d10	188	8.671	8.672	-0.001	99	1710003	8.00	8.00	
$ 96 Terphenyl-d14	244	10.191	10.191	0.000	97	13450	0.1000	0.0846	
101 Benzo[a]anthracene	228	11.286	11.284	0.002	98	14704	0.1000	0.0948	
* 102 Chrysene-d12	240	11.295	11.294	0.001	99	1003893	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.646	12.649	-0.003	98	12293	0.1000	0.0871	
107 Benzo[k]fluoranthene	252	12.685	12.684	0.001	97	10834	0.1000	0.0749	
108 Benzo[a]pyrene	252	13.093	13.094	-0.001	96	8701	0.1000	0.0729	
* 109 Perylene-d12	264	13.176	13.177	-0.001	98	991773	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.717	14.722	-0.005	97	10050	0.1000	0.0759	
111 Dibenz(a,h)anthracene	278	14.761	14.767	-0.006	95	12339	0.1000	0.0833	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00005 Amount Added: 1.00 Units: mL

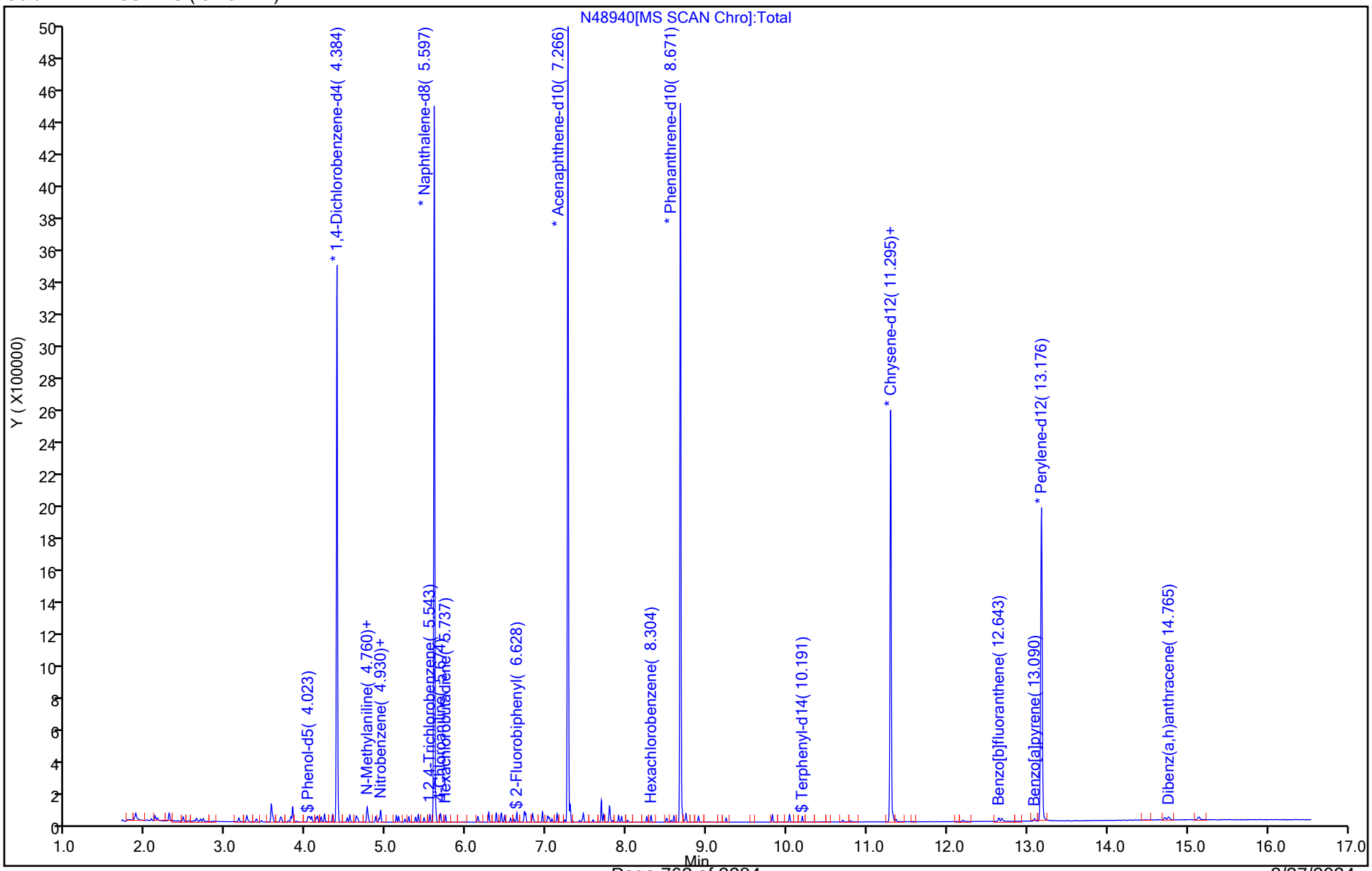
Report Date: 04-Mar-2024 16:39:03 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Injection Date:	04-Mar-2024 16:11:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

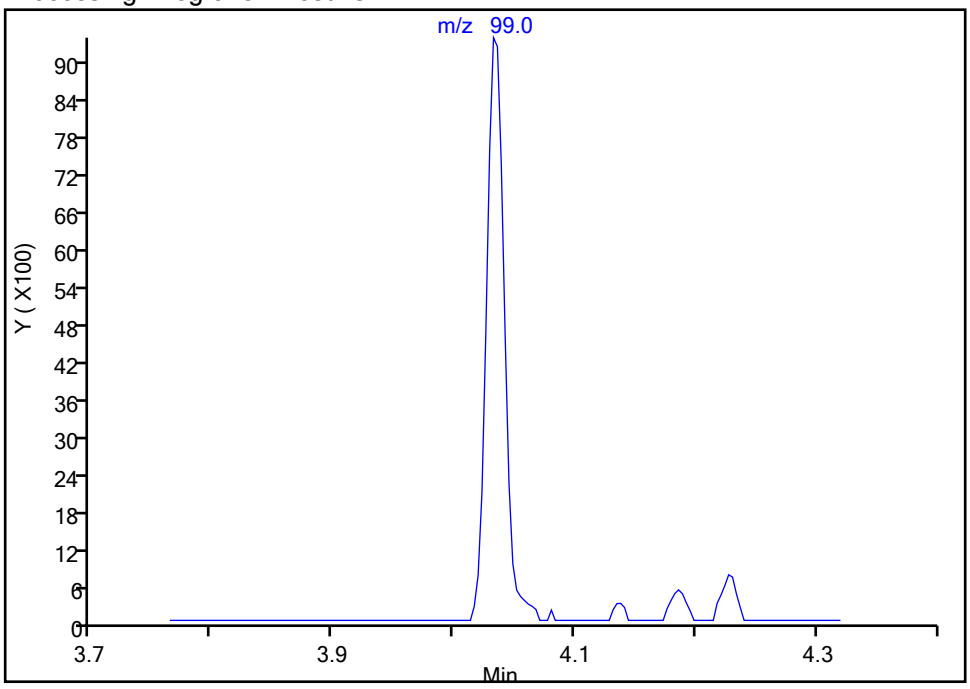
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d
Injection Date: 04-Mar-2024 16:11:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

$ 6 Phenol-d5, CAS: 4165-62-2

Signal: 1

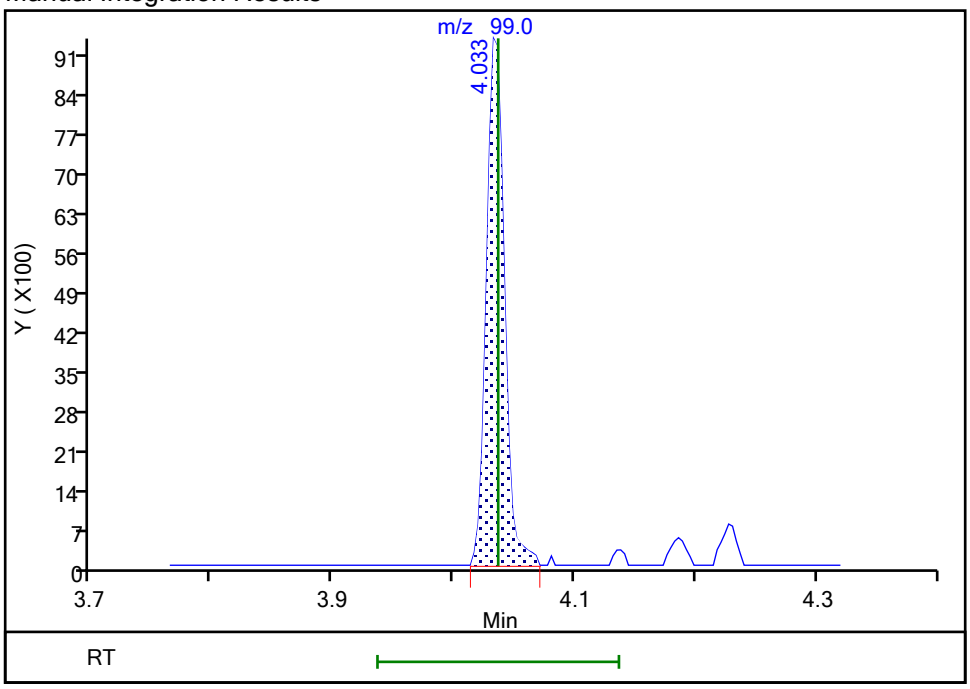
Not Detected
Expected RT: 4.04

Processing Integration Results



Manual Integration Results

RT: 4.03
Area: 9654
Amount: 0.084253
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:31:20 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

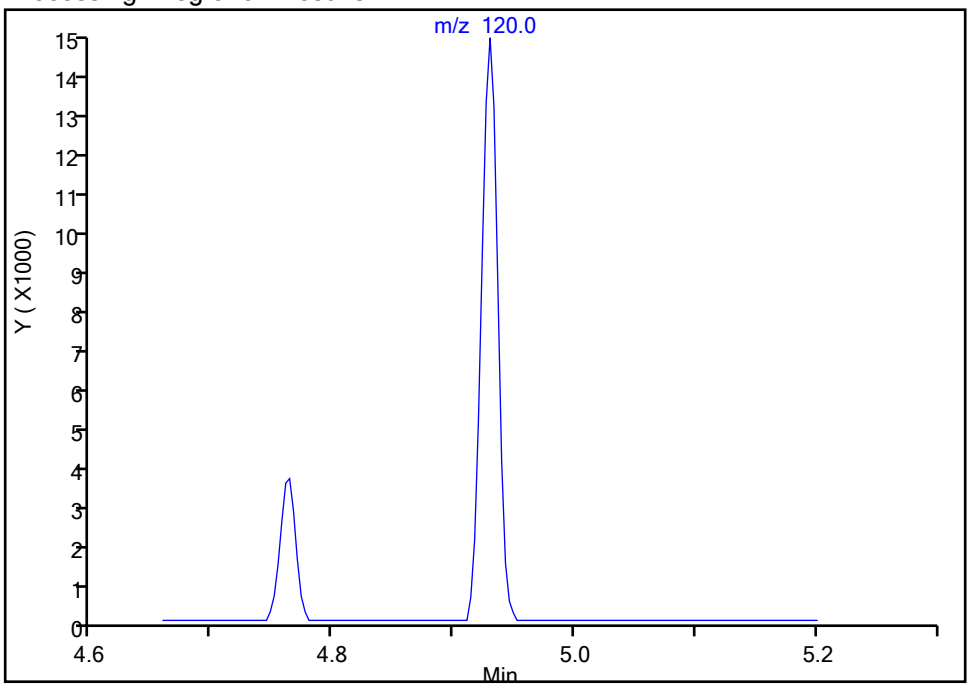
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d
Injection Date: 04-Mar-2024 16:11:30 Instrument ID: CBNAMS14
Lims ID: STD01
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

29 n,n'-Dimethylaniline, CAS: 121-69-7

Signal: 1

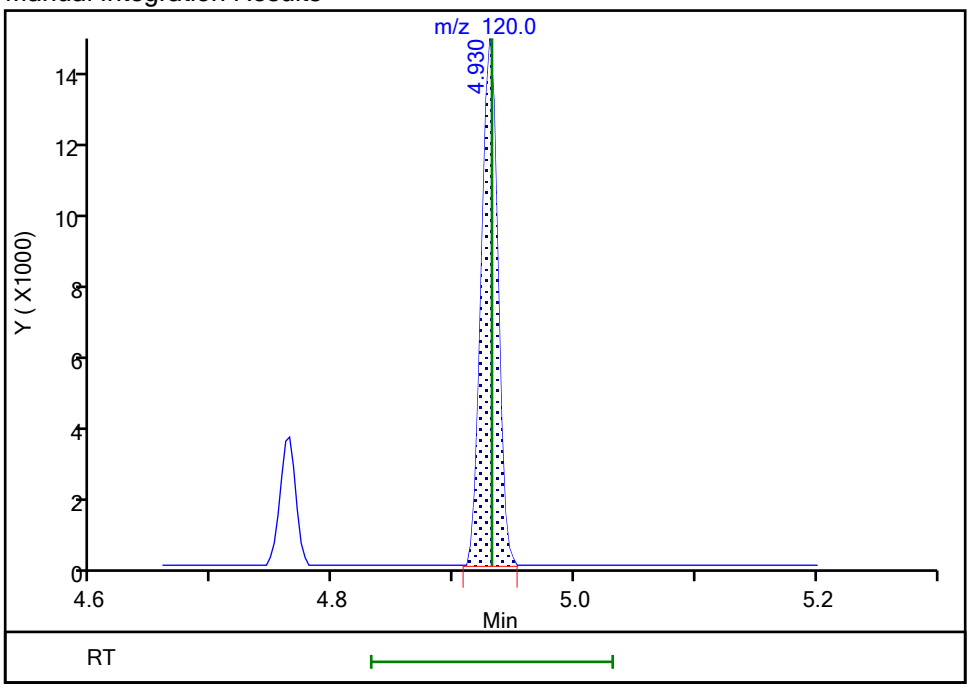
Not Detected
Expected RT: 4.93

Processing Integration Results



Manual Integration Results

RT: 4.93
Area: 13966
Amount: 0.095941
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:31:35 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

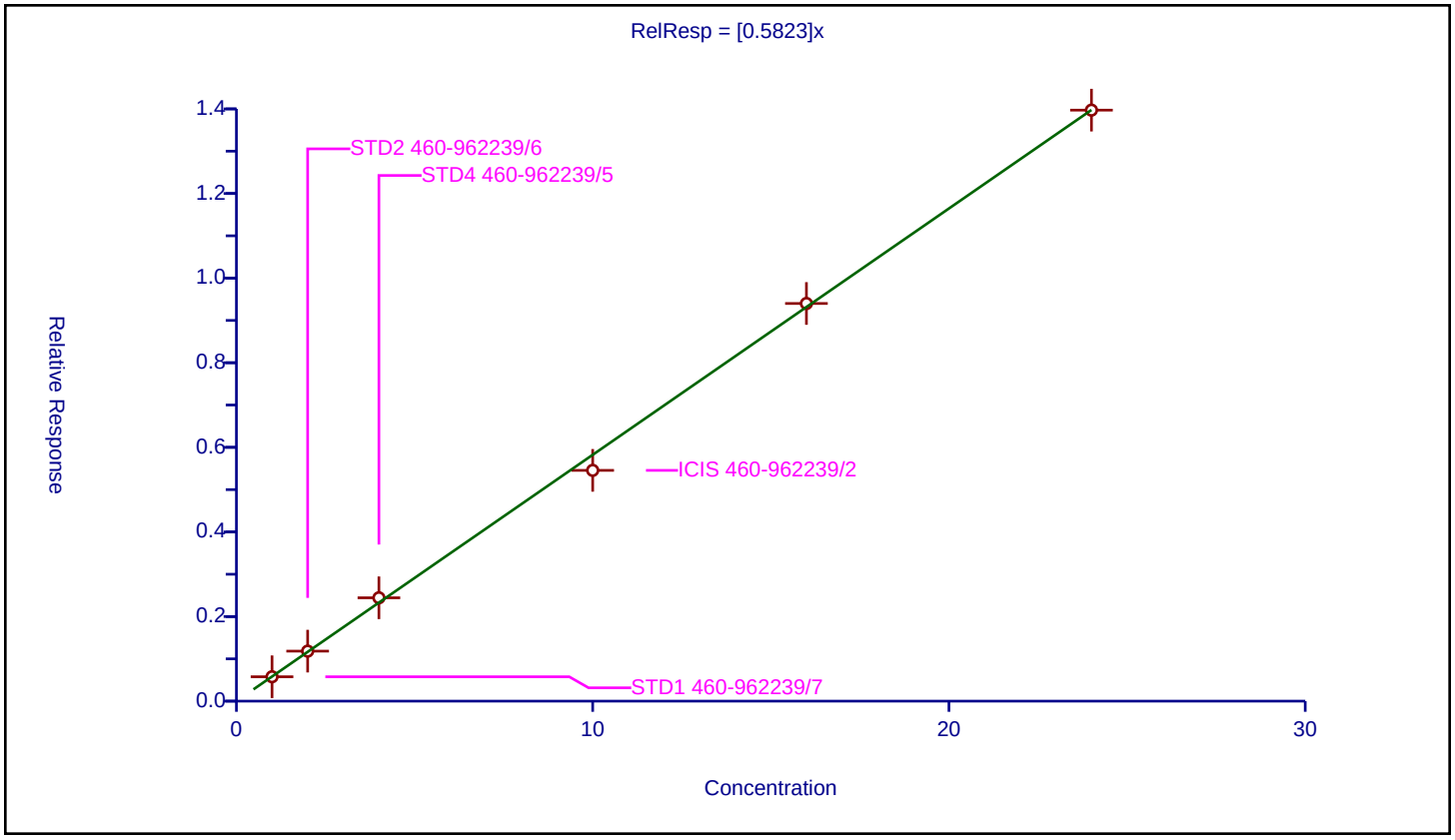
Curve Coefficients

Intercept:	0
Slope:	0.5823

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.576676	8.0	811894.0	0.576676	Y
2	STD2 460-962239/6	2.0	1.182134	8.0	629343.0	0.591067	Y
3	STD4 460-962239/5	4.0	2.443109	8.0	587160.0	0.610777	Y
4	ICIS 460-962239/2	10.0	5.455235	8.0	633602.0	0.545524	Y
5	STD16 460-962239/4	16.0	9.399996	8.0	569133.0	0.5875	Y
6	STD24 460-962239/3	24.0	13.970495	8.0	645375.0	0.582104	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

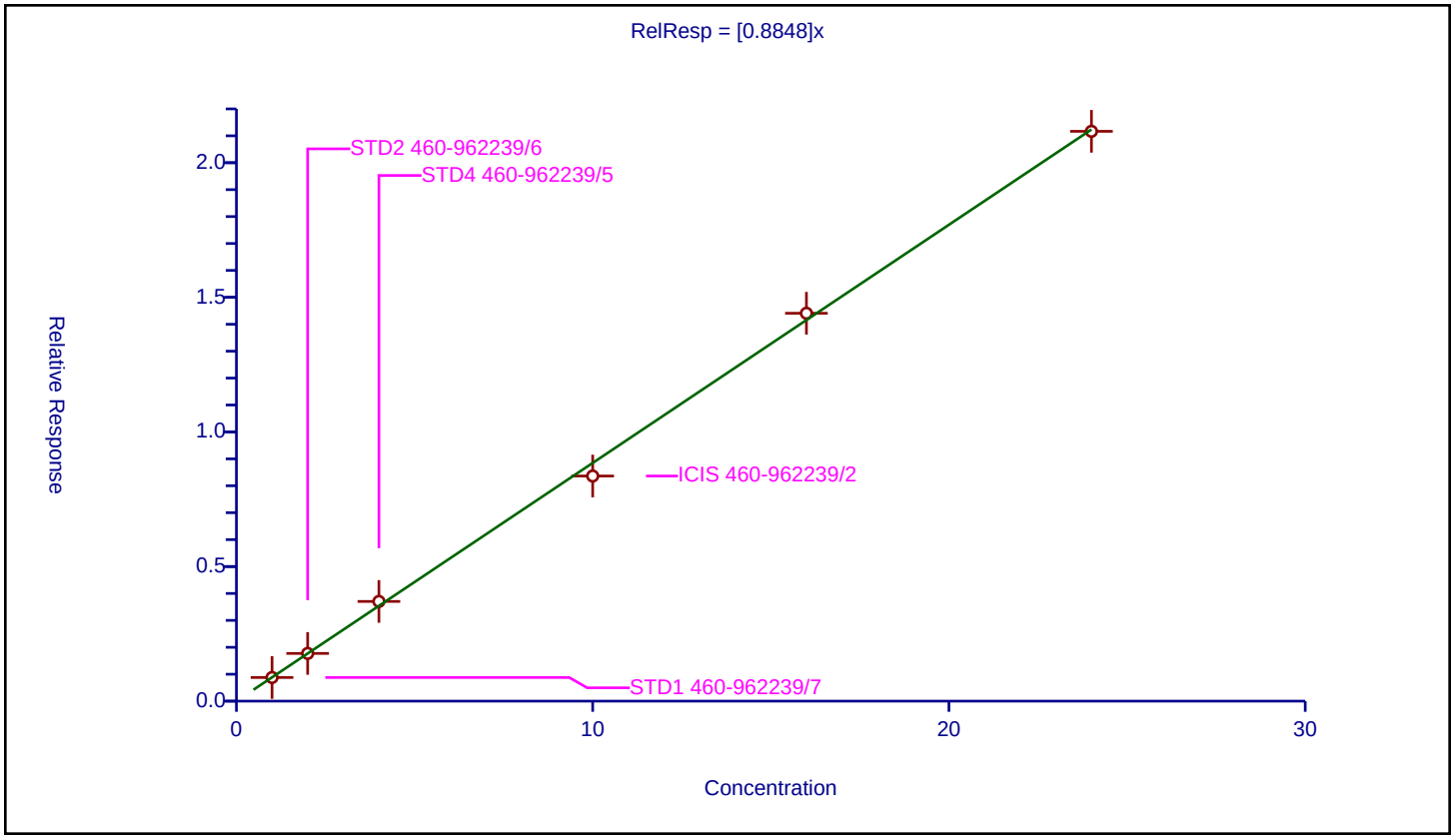
Curve Coefficients

Intercept:	0
Slope:	0.8848

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.877839	8.0	811894.0	0.877839	Y
2	STD2 460-962239/6	2.0	1.772477	8.0	629343.0	0.886239	Y
3	STD4 460-962239/5	4.0	3.703726	8.0	587160.0	0.925932	Y
4	ICIS 460-962239/2	10.0	8.362133	8.0	633602.0	0.836213	Y
5	STD16 460-962239/4	16.0	14.408836	8.0	569133.0	0.900552	Y
6	STD24 460-962239/3	24.0	21.16646	8.0	645375.0	0.881936	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

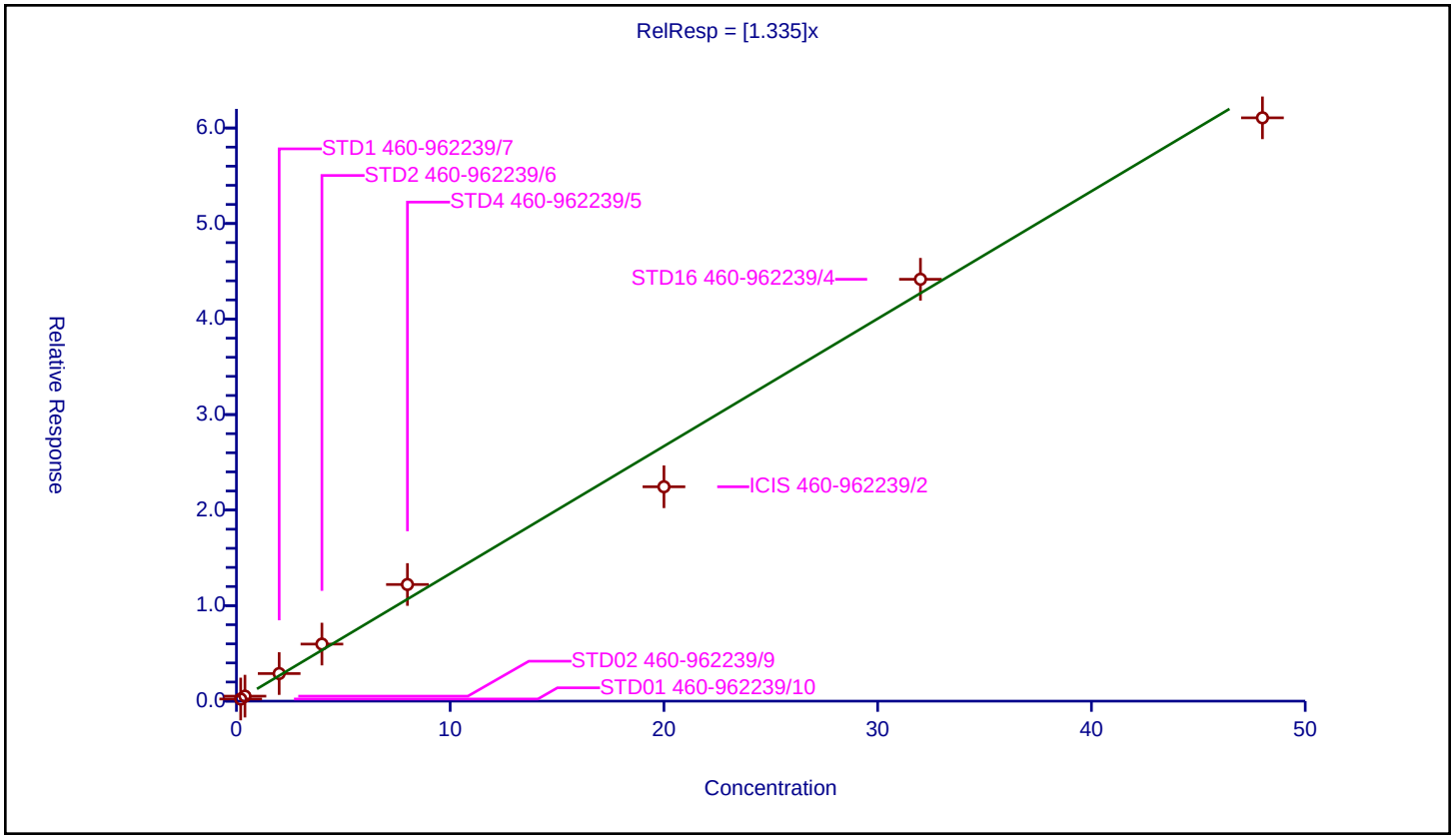
Curve Coefficients

Intercept:	0
Slope:	1.335

Error Coefficients

Relative Standard Deviation:	11.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.2	0.225802	8.0	578099.0	1.129011	Y
2	STD02 460-962239/9	0.4	0.523652	8.0	595953.0	1.30913	Y
3	STD1 460-962239/7	2.0	2.887796	8.0	811894.0	1.443898	Y
4	STD2 460-962239/6	4.0	5.975095	8.0	629343.0	1.493774	Y
5	STD4 460-962239/5	8.0	12.209633	8.0	587160.0	1.526204	Y
6	ICIS 460-962239/2	20.0	22.440548	8.0	633602.0	1.122027	Y
7	STD16 460-962239/4	32.0	44.165114	8.0	569133.0	1.38016	Y
8	STD24 460-962239/3	48.0	61.066425	8.0	645375.0	1.272217	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

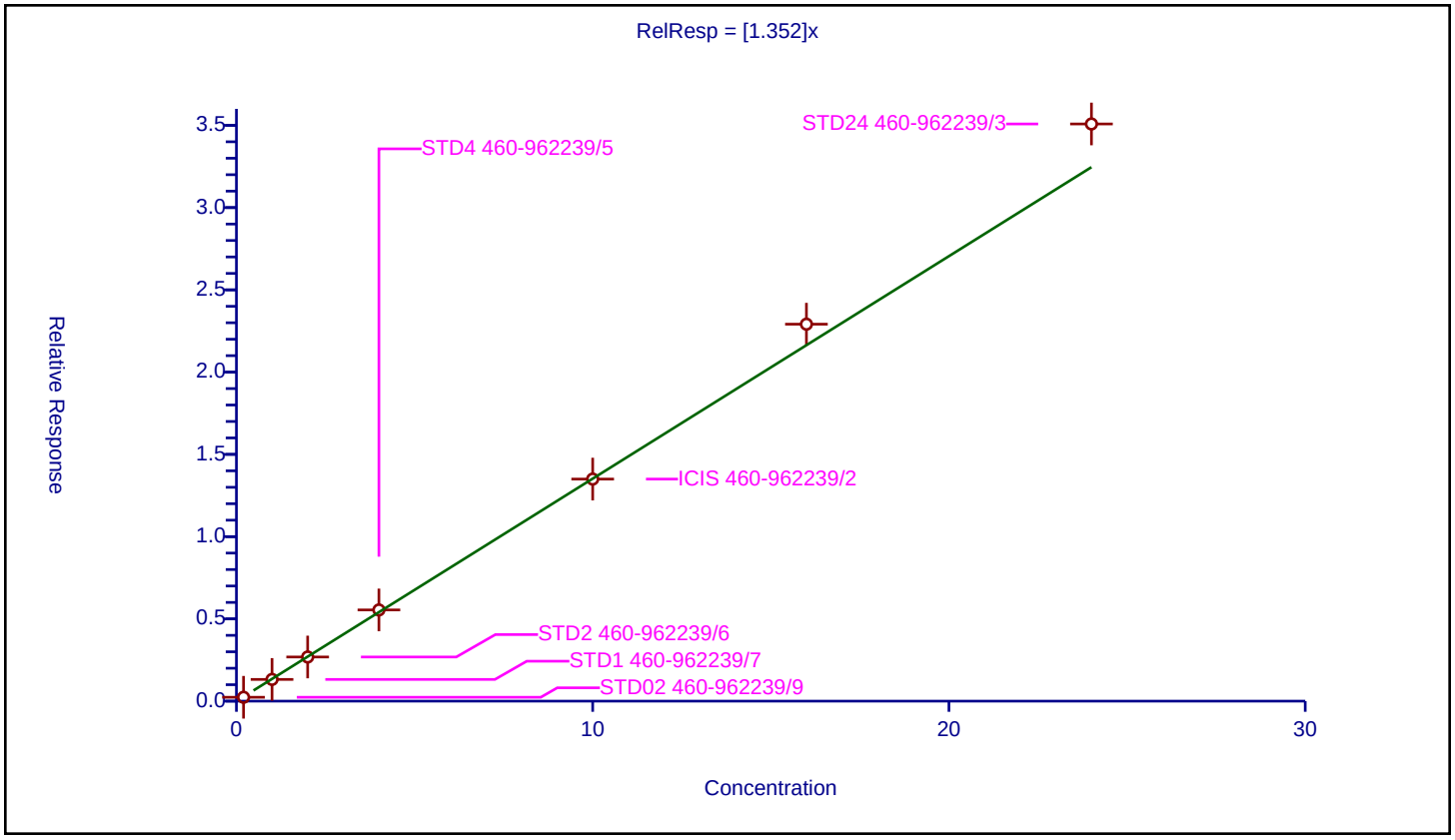
Curve Coefficients

Intercept:	0
Slope:	1.352

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.234851	8.0	595953.0	1.174254	Y
2	STD1 460-962239/7	1.0	1.320764	8.0	811894.0	1.320764	Y
3	STD2 460-962239/6	2.0	2.683637	8.0	629343.0	1.341818	Y
4	STD4 460-962239/5	4.0	5.544737	8.0	587160.0	1.386184	Y
5	ICIS 460-962239/2	10.0	13.498745	8.0	633602.0	1.349875	Y
6	STD16 460-962239/4	16.0	22.913843	8.0	569133.0	1.432115	Y
7	STD24 460-962239/3	24.0	35.083132	8.0	645375.0	1.461797	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

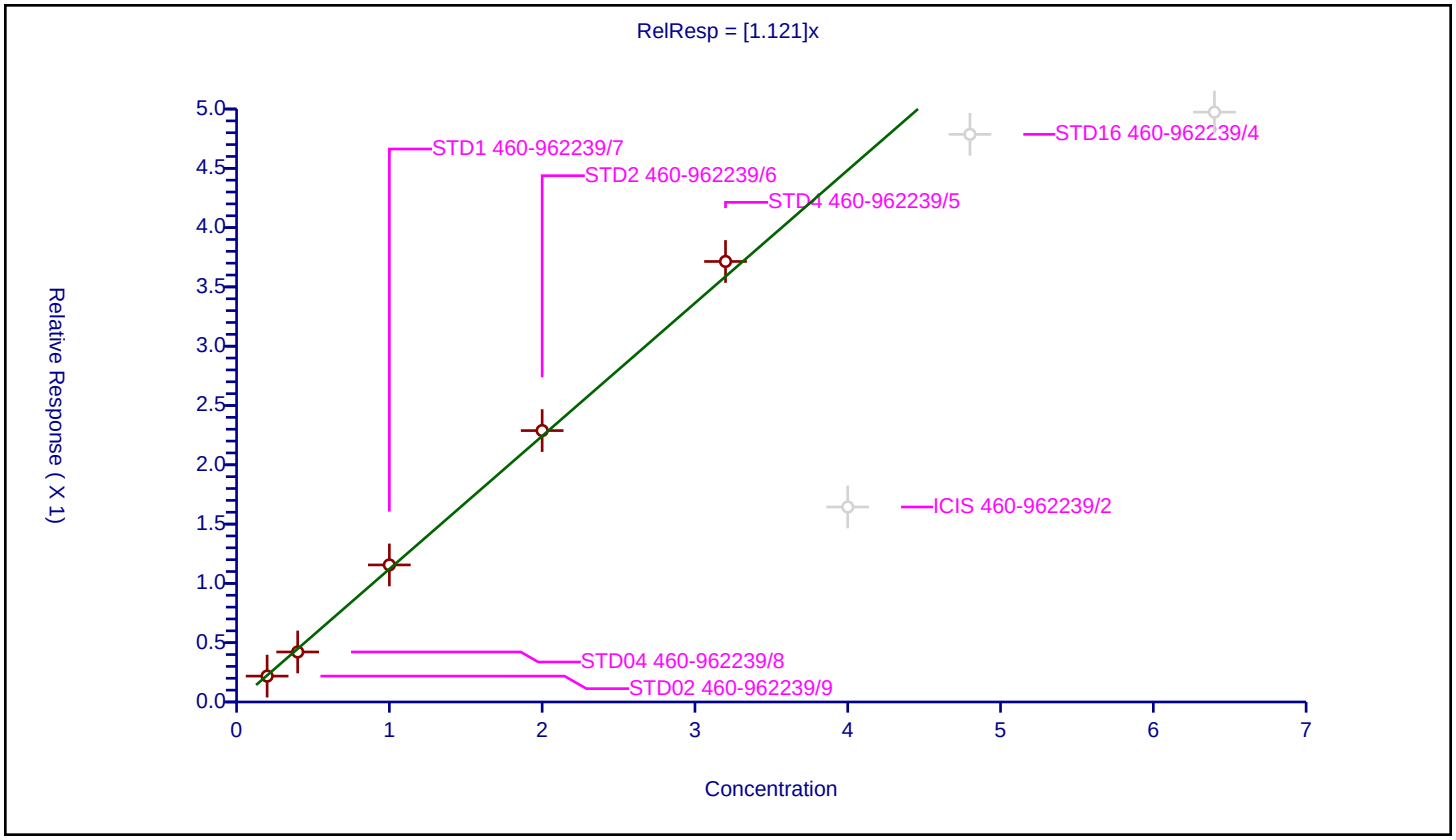
Curve Coefficients

Intercept:	0
Slope:	1.121

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.218165	8.0	595953.0	1.090824	Y
2	STD04 460-962239/8	0.4	0.421704	8.0	638913.0	1.054259	Y
3	STD1 460-962239/7	1.0	1.155708	8.0	811894.0	1.155708	Y
4	STD2 460-962239/6	2.0	2.288507	8.0	629343.0	1.144254	Y
5	STD4 460-962239/5	3.2	3.714531	8.0	587160.0	1.160791	Y
6	ICIS 460-962239/2	4.0	1.644161	8.0	633602.0	0.41104	N
7	STD16 460-962239/4	4.8	4.786424	8.0	569133.0	0.997172	N
8	STD24 460-962239/3	6.4	4.973642	8.0	645375.0	0.777132	N



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

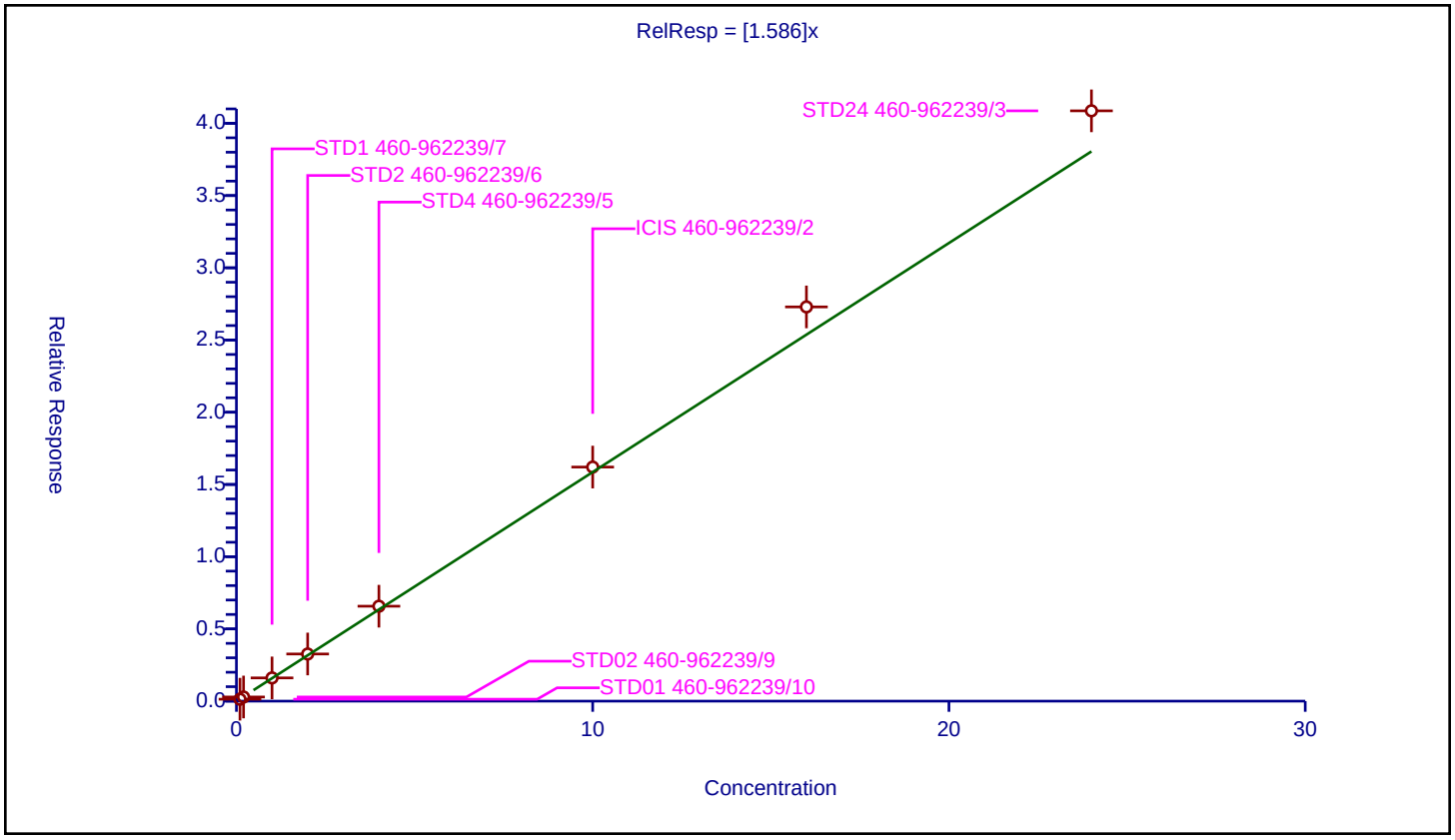
Curve Coefficients

Intercept:	0
Slope:	1.586

Error Coefficients

Relative Standard Deviation:	8.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.133596	8.0	578099.0	1.335965	Y
2	STD02 460-962239/9	0.2	0.28711	8.0	595953.0	1.435549	Y
3	STD1 460-962239/7	1.0	1.609264	8.0	811894.0	1.609264	Y
4	STD2 460-962239/6	2.0	3.265043	8.0	629343.0	1.632522	Y
5	STD4 460-962239/5	4.0	6.572151	8.0	587160.0	1.643038	Y
6	ICIS 460-962239/2	10.0	16.204368	8.0	633602.0	1.620437	Y
7	STD16 460-962239/4	16.0	27.291926	8.0	569133.0	1.705745	Y
8	STD24 460-962239/3	24.0	40.865766	8.0	645375.0	1.70274	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

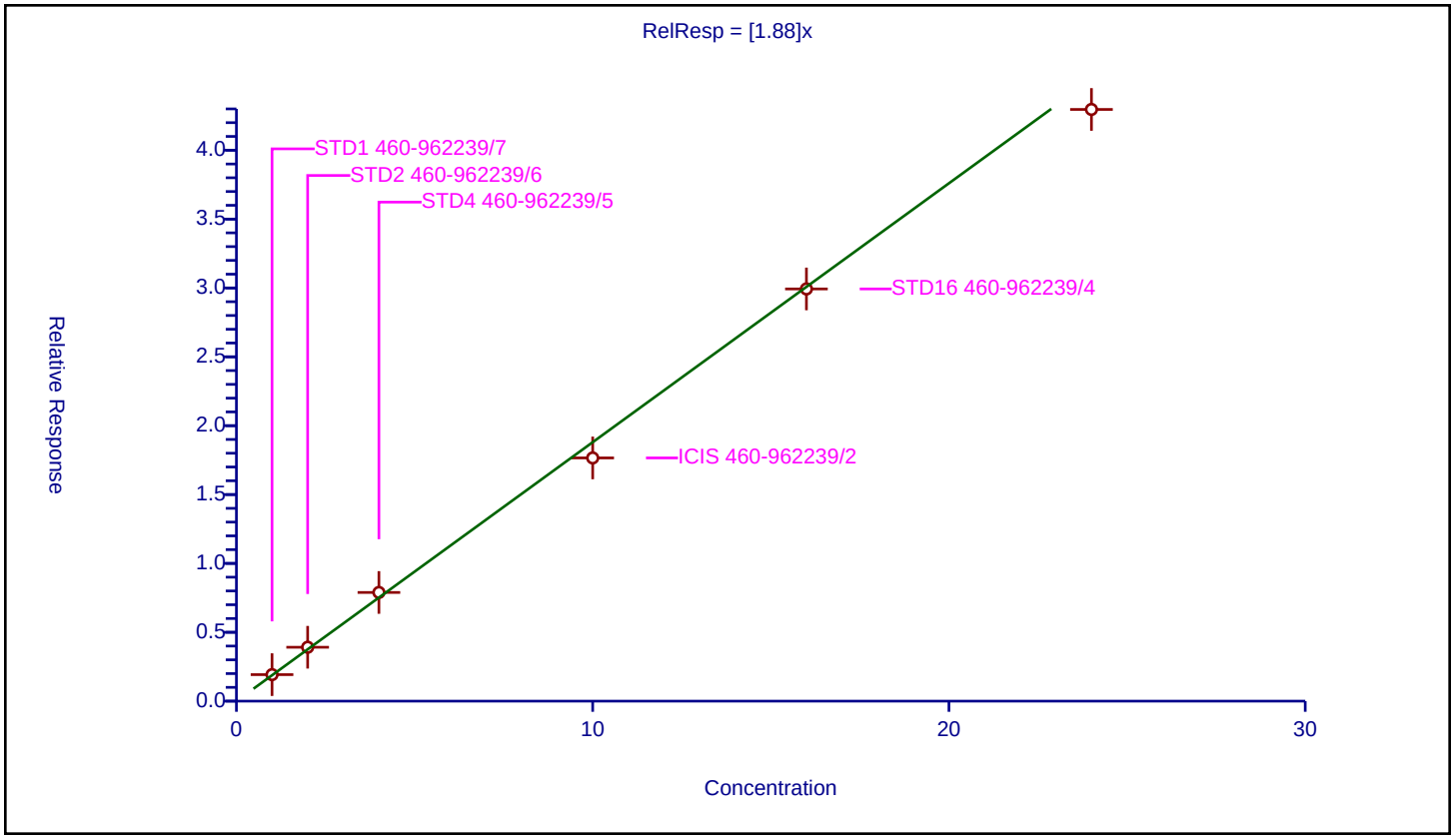
Curve Coefficients

Intercept:	0
Slope:	1.88

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.92436	8.0	811894.0	1.92436	Y
2	STD2 460-962239/6	2.0	3.912461	8.0	629343.0	1.956231	Y
3	STD4 460-962239/5	4.0	7.891205	8.0	587160.0	1.972801	Y
4	ICIS 460-962239/2	10.0	17.657356	8.0	633602.0	1.765736	Y
5	STD16 460-962239/4	16.0	29.927275	8.0	569133.0	1.870455	Y
6	STD24 460-962239/3	24.0	42.959631	8.0	645375.0	1.789985	Y



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Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

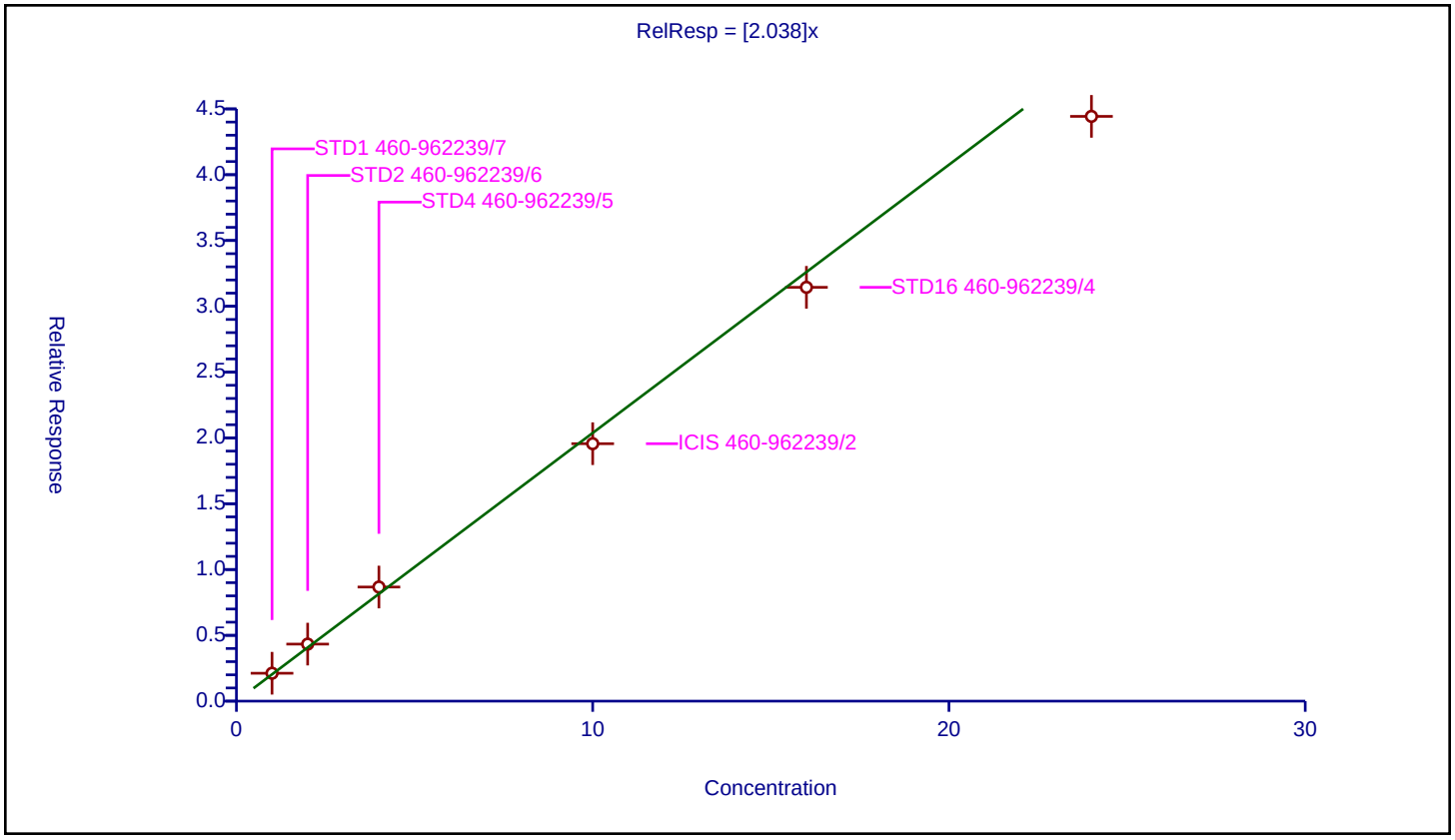
Curve Coefficients

Intercept:	0
Slope:	2.038

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	2.118996	8.0	811894.0	2.118996	Y
2	STD2 460-962239/6	2.0	4.333904	8.0	629343.0	2.166952	Y
3	STD4 460-962239/5	4.0	8.669623	8.0	587160.0	2.167406	Y
4	ICIS 460-962239/2	10.0	19.561756	8.0	633602.0	1.956176	Y
5	STD16 460-962239/4	16.0	31.443954	8.0	569133.0	1.965247	Y
6	STD24 460-962239/3	24.0	44.432301	8.0	645375.0	1.851346	Y



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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

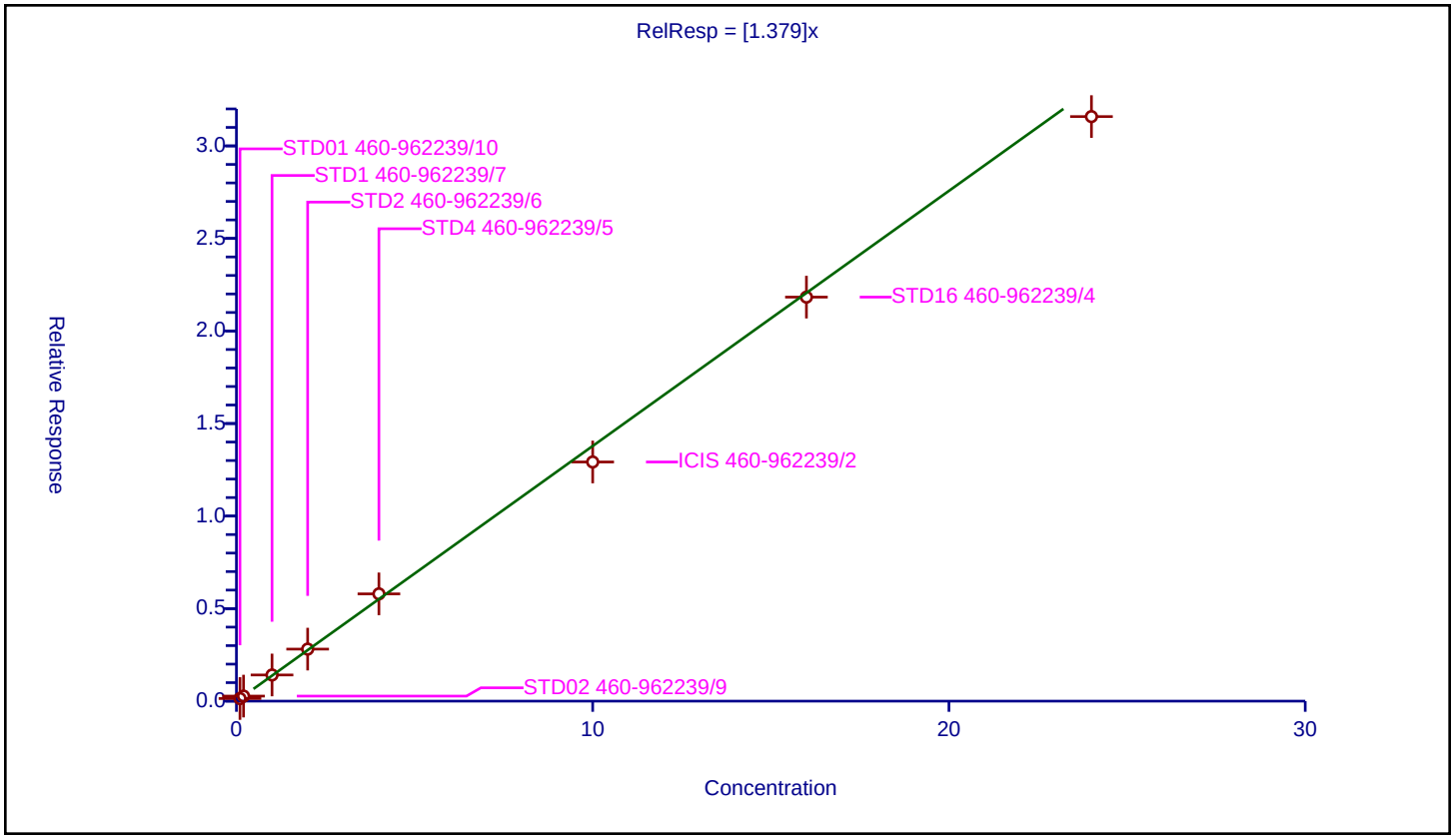
Curve Coefficients

Intercept:	0
Slope:	1.379

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.142163	8.0	578099.0	1.421625	Y
2	STD02 460-962239/9	0.2	0.272988	8.0	595953.0	1.36494	Y
3	STD1 460-962239/7	1.0	1.414352	8.0	811894.0	1.414352	Y
4	STD2 460-962239/6	2.0	2.81191	8.0	629343.0	1.405955	Y
5	STD4 460-962239/5	4.0	5.795422	8.0	587160.0	1.448856	Y
6	ICIS 460-962239/2	10.0	12.921904	8.0	633602.0	1.29219	Y
7	STD16 460-962239/4	16.0	21.829752	8.0	569133.0	1.364359	Y
8	STD24 460-962239/3	24.0	31.584378	8.0	645375.0	1.316016	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

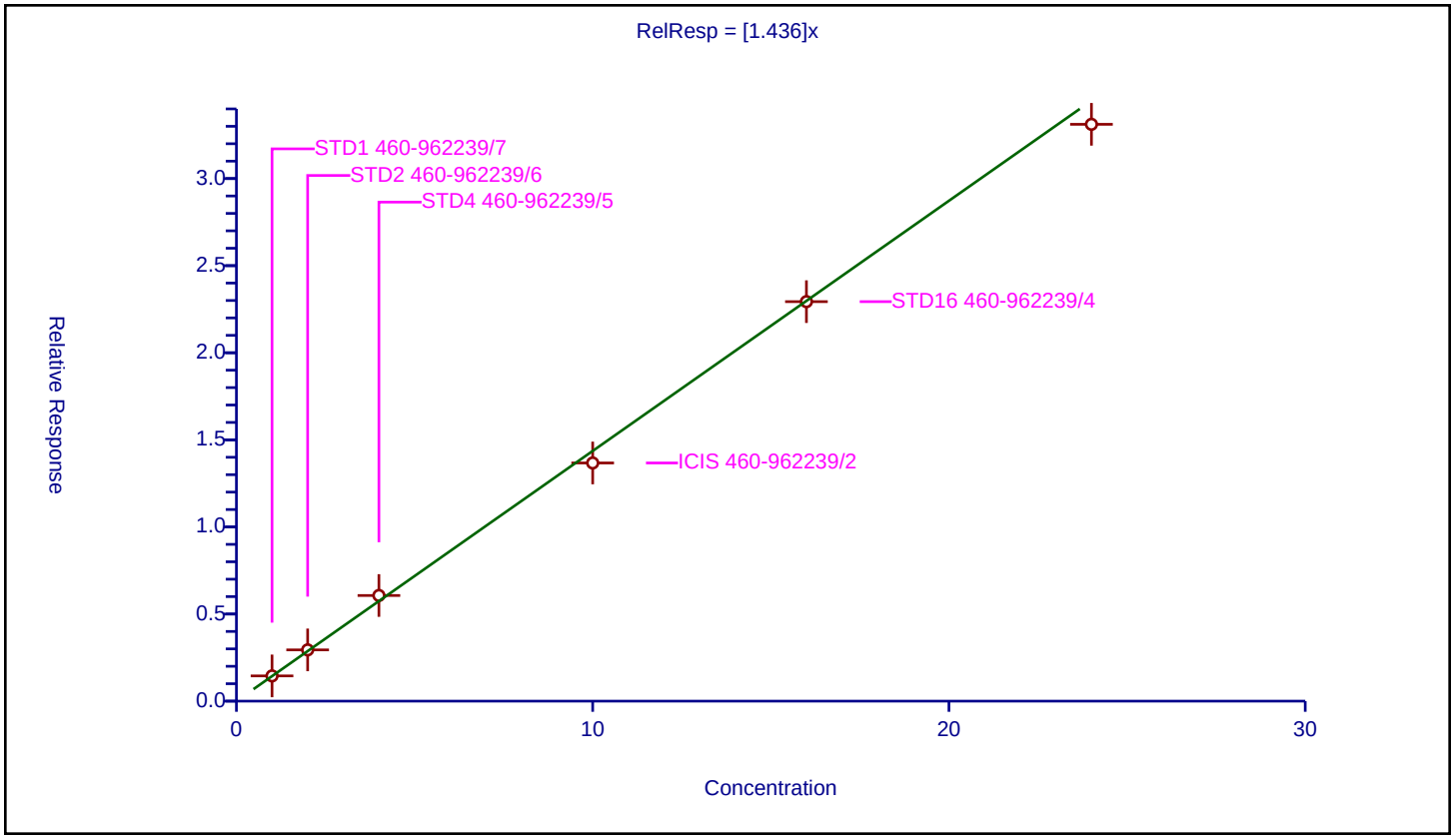
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.449096	8.0	811894.0	1.449096	Y
2	STD2 460-962239/6	2.0	2.942879	8.0	629343.0	1.471439	Y
3	STD4 460-962239/5	4.0	6.064923	8.0	587160.0	1.516231	Y
4	ICIS 460-962239/2	10.0	13.673076	8.0	633602.0	1.367308	Y
5	STD16 460-962239/4	16.0	22.935237	8.0	569133.0	1.433452	Y
6	STD24 460-962239/3	24.0	33.114093	8.0	645375.0	1.379754	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

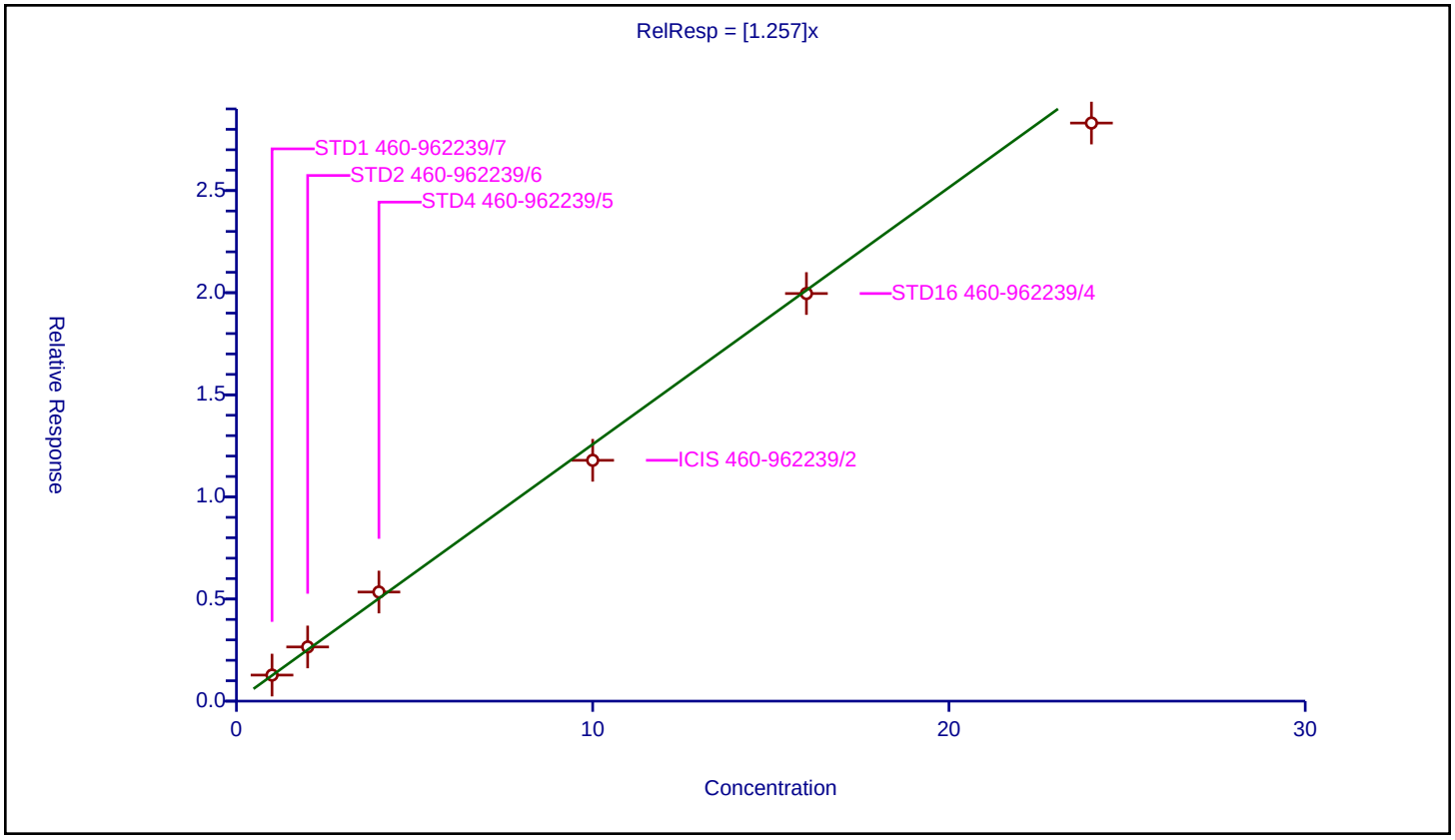
Curve Coefficients

Intercept:	0
Slope:	1.257

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.276265	8.0	811894.0	1.276265	Y
2	STD2 460-962239/6	2.0	2.653459	8.0	629343.0	1.32673	Y
3	STD4 460-962239/5	4.0	5.342707	8.0	587160.0	1.335677	Y
4	ICIS 460-962239/2	10.0	11.792968	8.0	633602.0	1.179297	Y
5	STD16 460-962239/4	16.0	19.959707	8.0	569133.0	1.247482	Y
6	STD24 460-962239/3	24.0	28.308106	8.0	645375.0	1.179504	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

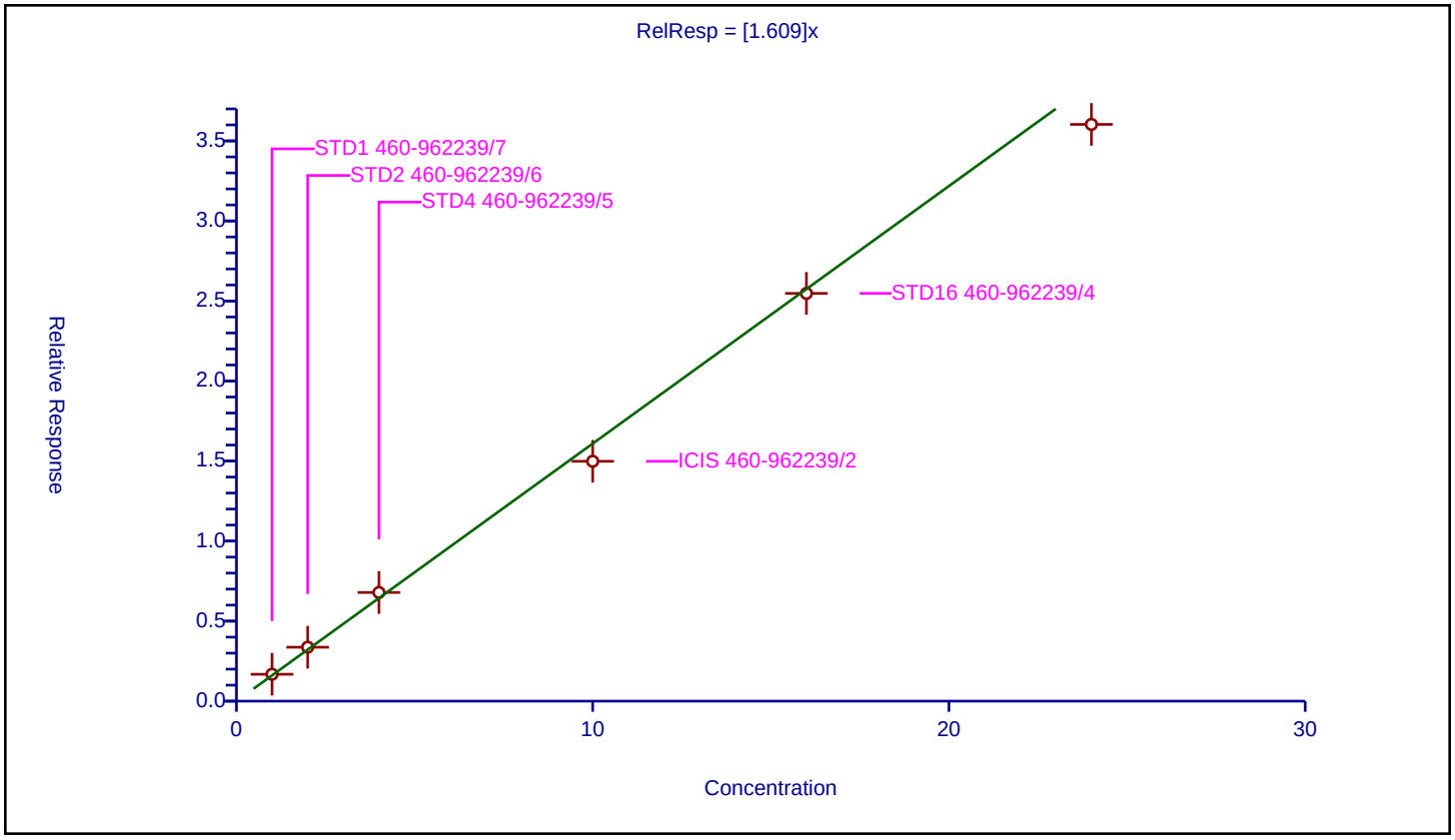
Curve Coefficients

Intercept:	0
Slope:	1.609

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.679796	8.0	811894.0	1.679796	Y
2	STD2 460-962239/6	2.0	3.369419	8.0	629343.0	1.684709	Y
3	STD4 460-962239/5	4.0	6.789441	8.0	587160.0	1.69736	Y
4	ICIS 460-962239/2	10.0	14.984397	8.0	633602.0	1.49844	Y
5	STD16 460-962239/4	16.0	25.473258	8.0	569133.0	1.592079	Y
6	STD24 460-962239/3	24.0	36.031665	8.0	645375.0	1.501319	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

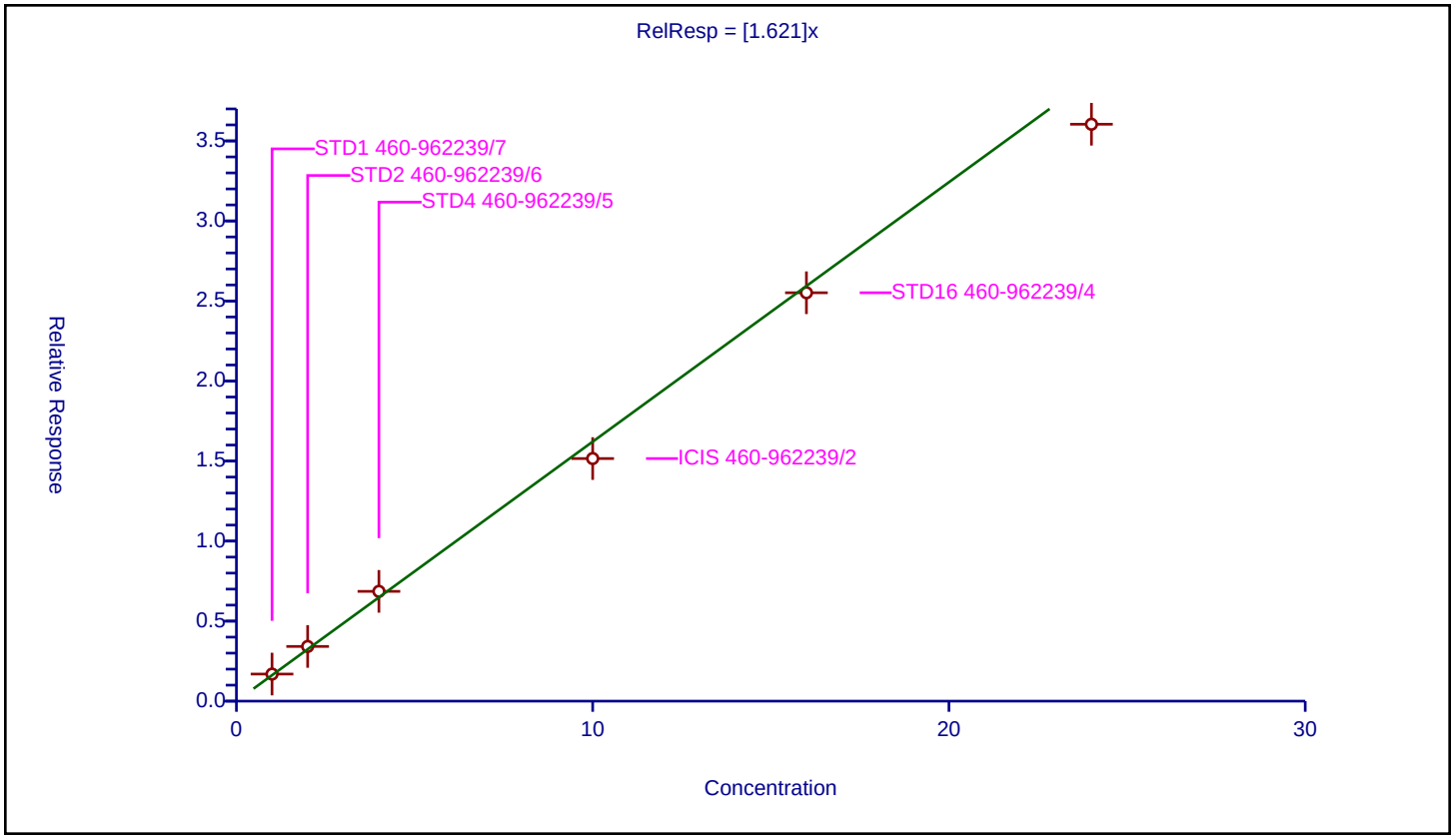
Curve Coefficients

Intercept:	0
Slope:	1.621

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.691413	8.0	811894.0	1.691413	Y
2	STD2 460-962239/6	2.0	3.416287	8.0	629343.0	1.708143	Y
3	STD4 460-962239/5	4.0	6.857497	8.0	587160.0	1.714374	Y
4	ICIS 460-962239/2	10.0	15.155255	8.0	633602.0	1.515526	Y
5	STD16 460-962239/4	16.0	25.51391	8.0	569133.0	1.594619	Y
6	STD24 460-962239/3	24.0	36.041322	8.0	645375.0	1.501722	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

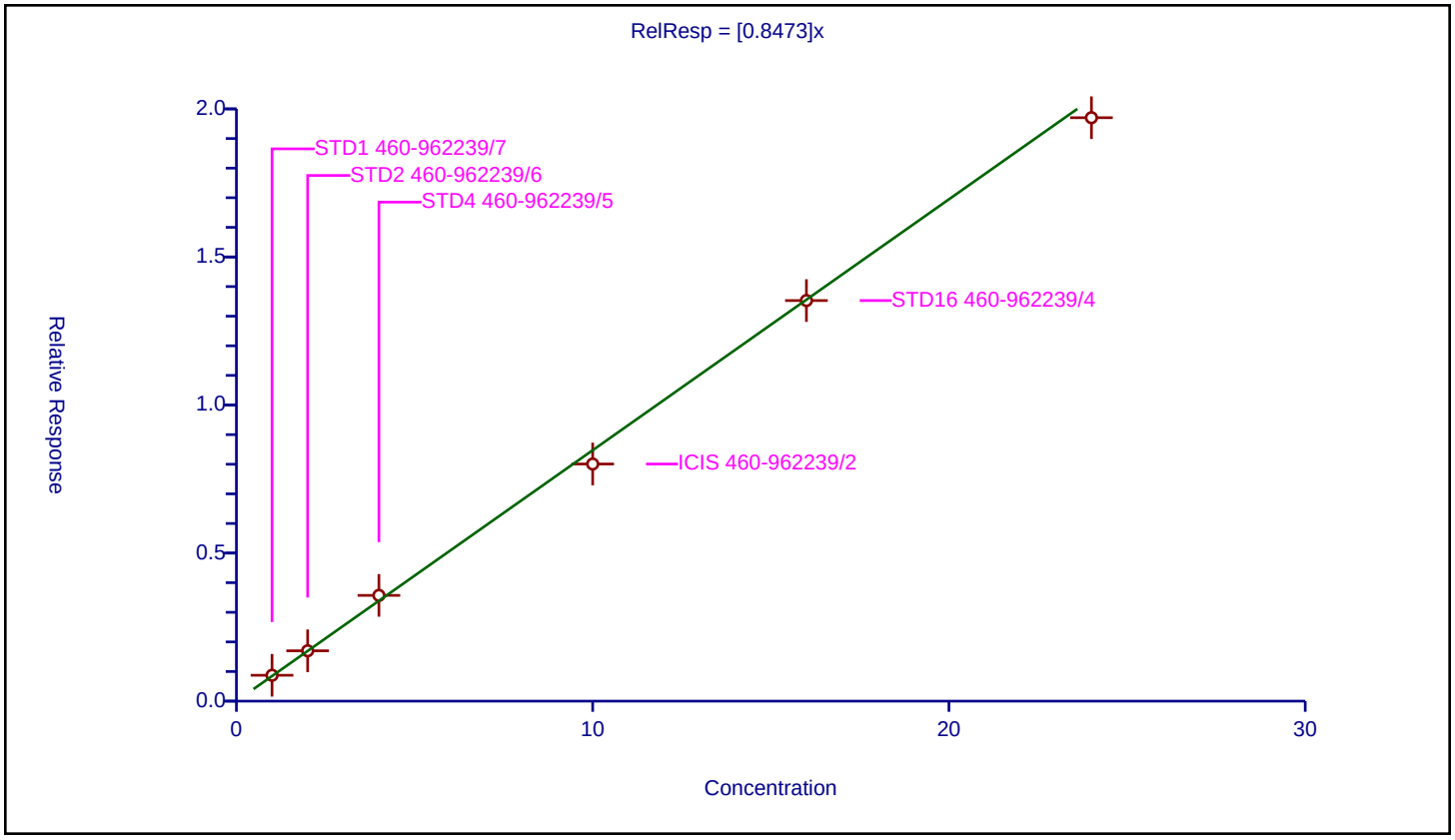
Curve Coefficients

Intercept:	0
Slope:	0.8473

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.873533	8.0	811894.0	0.873533	Y
2	STD2 460-962239/6	2.0	1.700745	8.0	629343.0	0.850373	Y
3	STD4 460-962239/5	4.0	3.571211	8.0	587160.0	0.892803	Y
4	ICIS 460-962239/2	10.0	8.008043	8.0	633602.0	0.800804	Y
5	STD16 460-962239/4	16.0	13.52817	8.0	569133.0	0.845511	Y
6	STD24 460-962239/3	24.0	19.702034	8.0	645375.0	0.820918	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

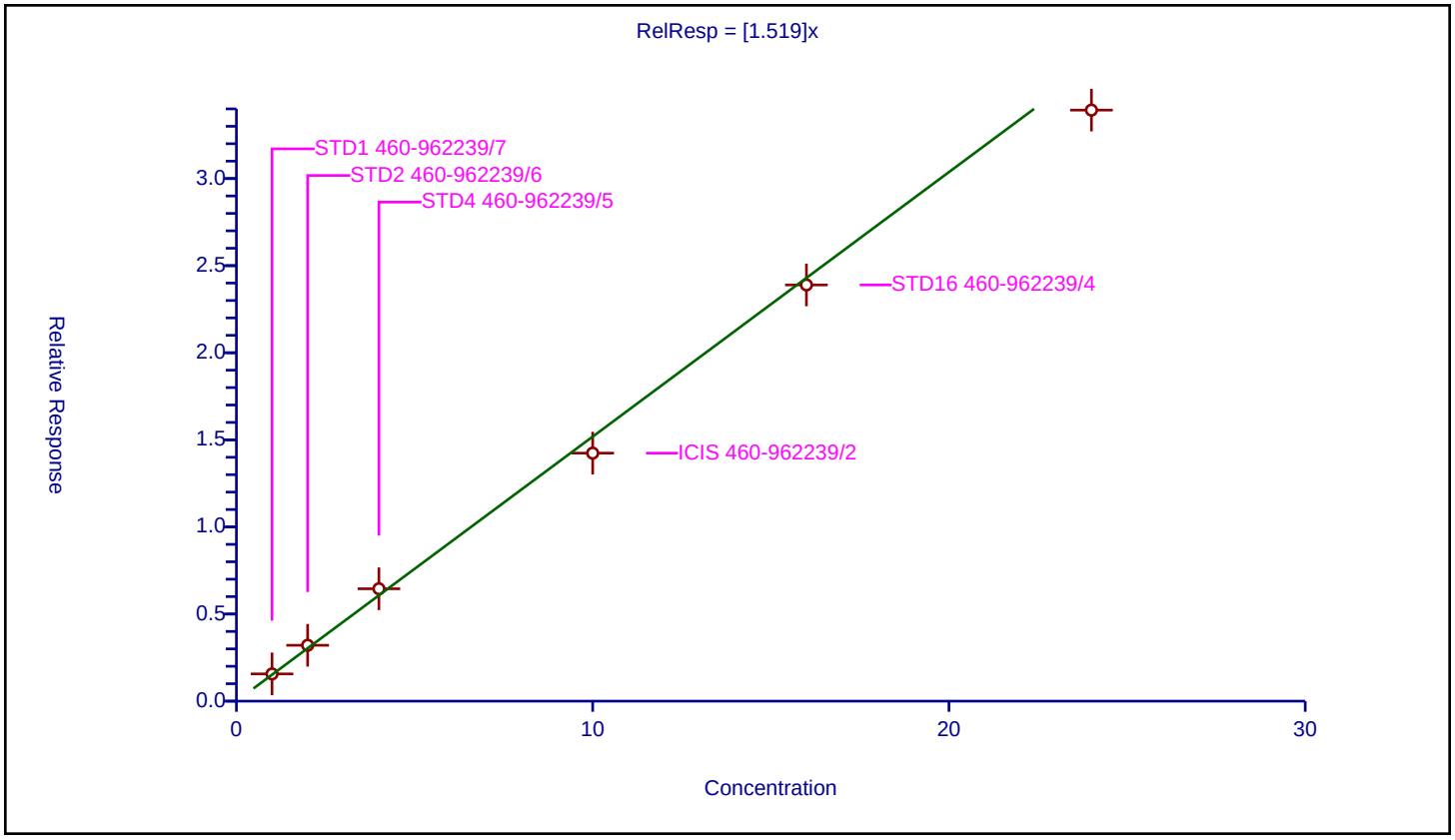
Curve Coefficients

Intercept:	0
Slope:	1.519

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.564007	8.0	811894.0	1.564007	Y
2	STD2 460-962239/6	2.0	3.207065	8.0	629343.0	1.603533	Y
3	STD4 460-962239/5	4.0	6.451979	8.0	587160.0	1.612995	Y
4	ICIS 460-962239/2	10.0	14.237013	8.0	633602.0	1.423701	Y
5	STD16 460-962239/4	16.0	23.893368	8.0	569133.0	1.493335	Y
6	STD24 460-962239/3	24.0	33.929123	8.0	645375.0	1.413713	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

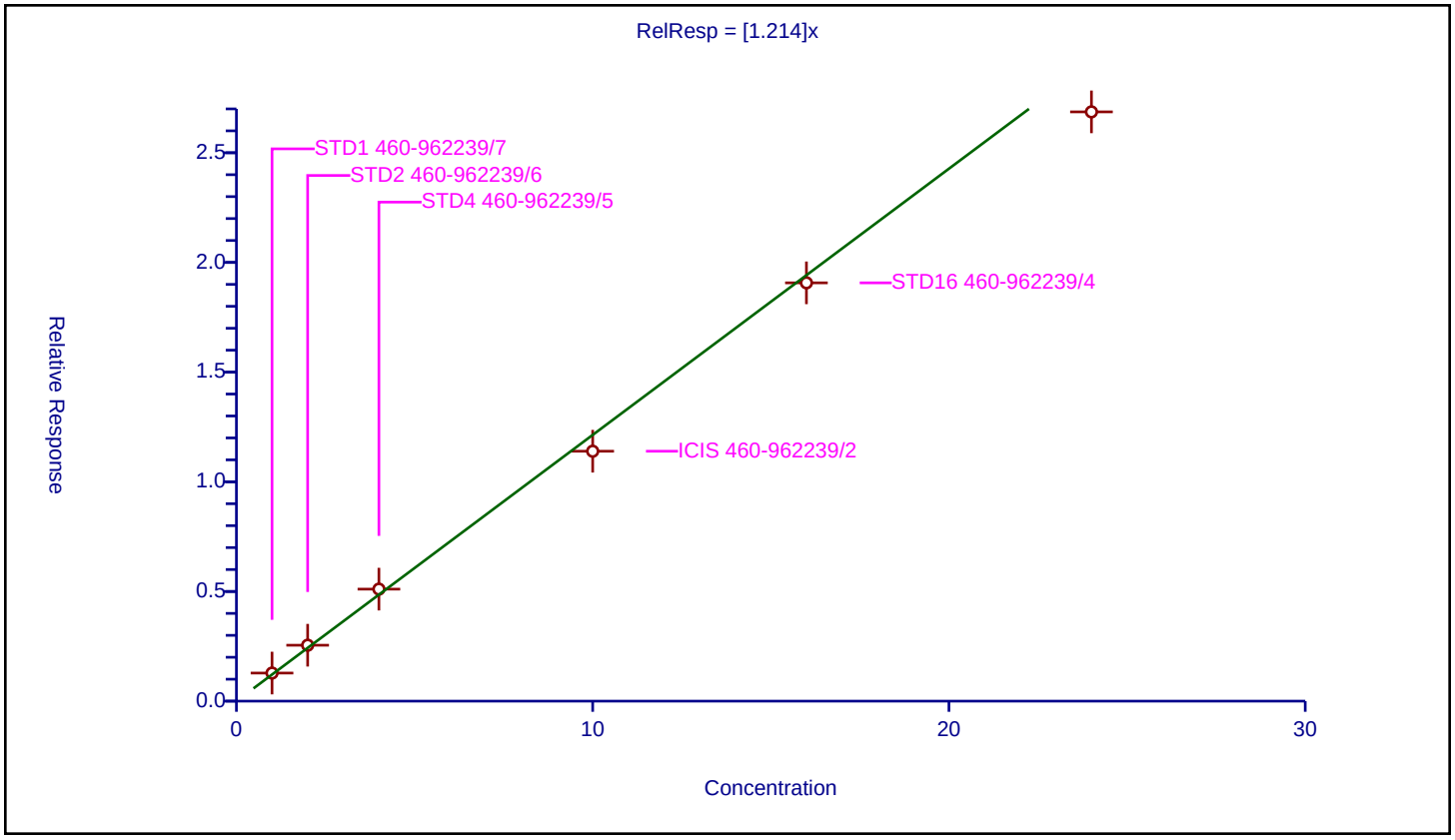
Curve Coefficients

Intercept:	0
Slope:	1.214

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.280009	8.0	811894.0	1.280009	Y
2	STD2 460-962239/6	2.0	2.549325	8.0	629343.0	1.274663	Y
3	STD4 460-962239/5	4.0	5.106642	8.0	587160.0	1.276661	Y
4	ICIS 460-962239/2	10.0	11.394181	8.0	633602.0	1.139418	Y
5	STD16 460-962239/4	16.0	19.070382	8.0	569133.0	1.191899	Y
6	STD24 460-962239/3	24.0	26.864493	8.0	645375.0	1.119354	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

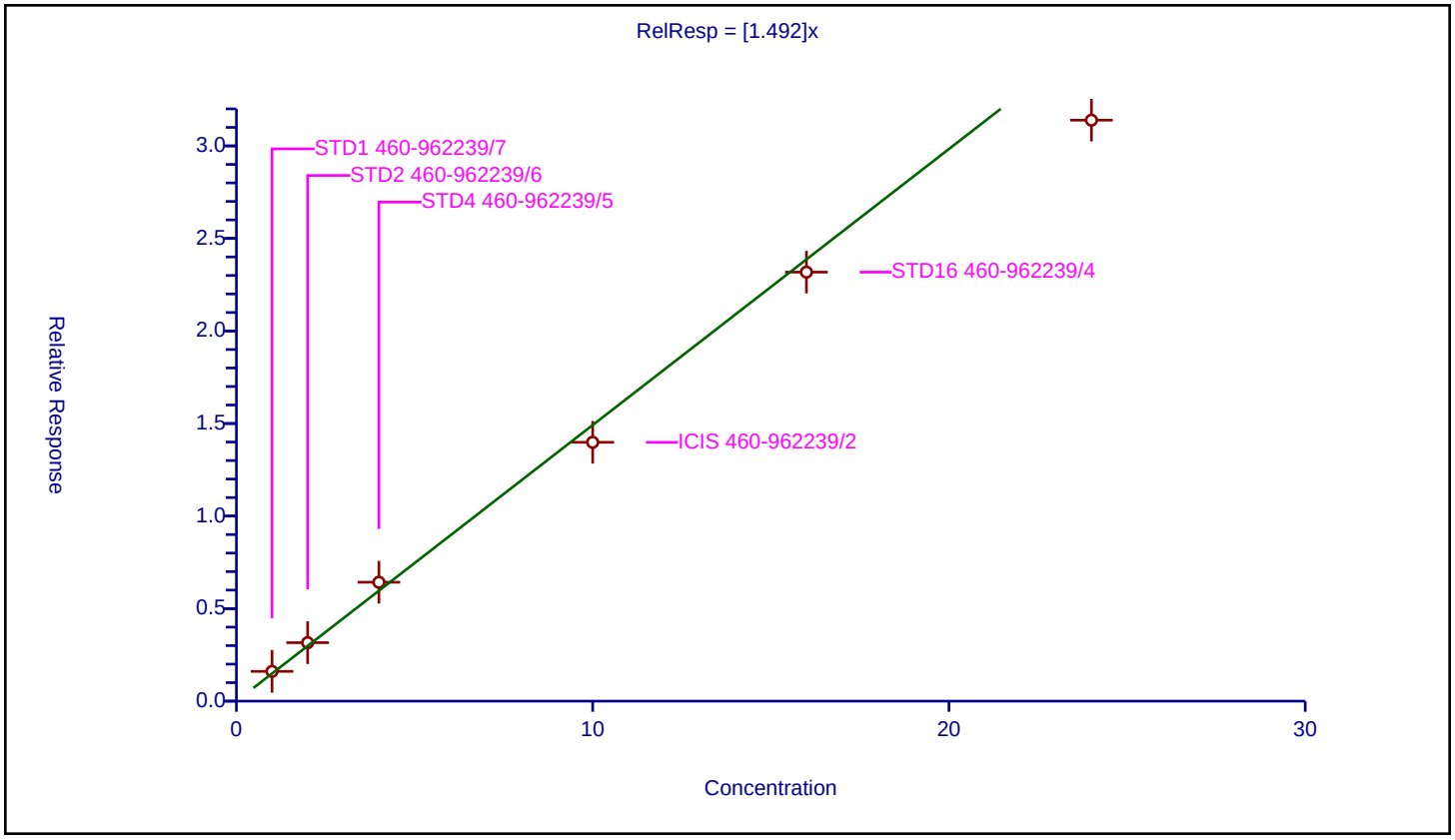
Curve Coefficients

Intercept:	0
Slope:	1.492

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.608712	8.0	811894.0	1.608712	Y
2	STD2 460-962239/6	2.0	3.159333	8.0	629343.0	1.579666	Y
3	STD4 460-962239/5	4.0	6.425043	8.0	587160.0	1.606261	Y
4	ICIS 460-962239/2	10.0	13.985347	8.0	633602.0	1.398535	Y
5	STD16 460-962239/4	16.0	23.180311	8.0	569133.0	1.448769	Y
6	STD24 460-962239/3	24.0	31.389849	8.0	645375.0	1.30791	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

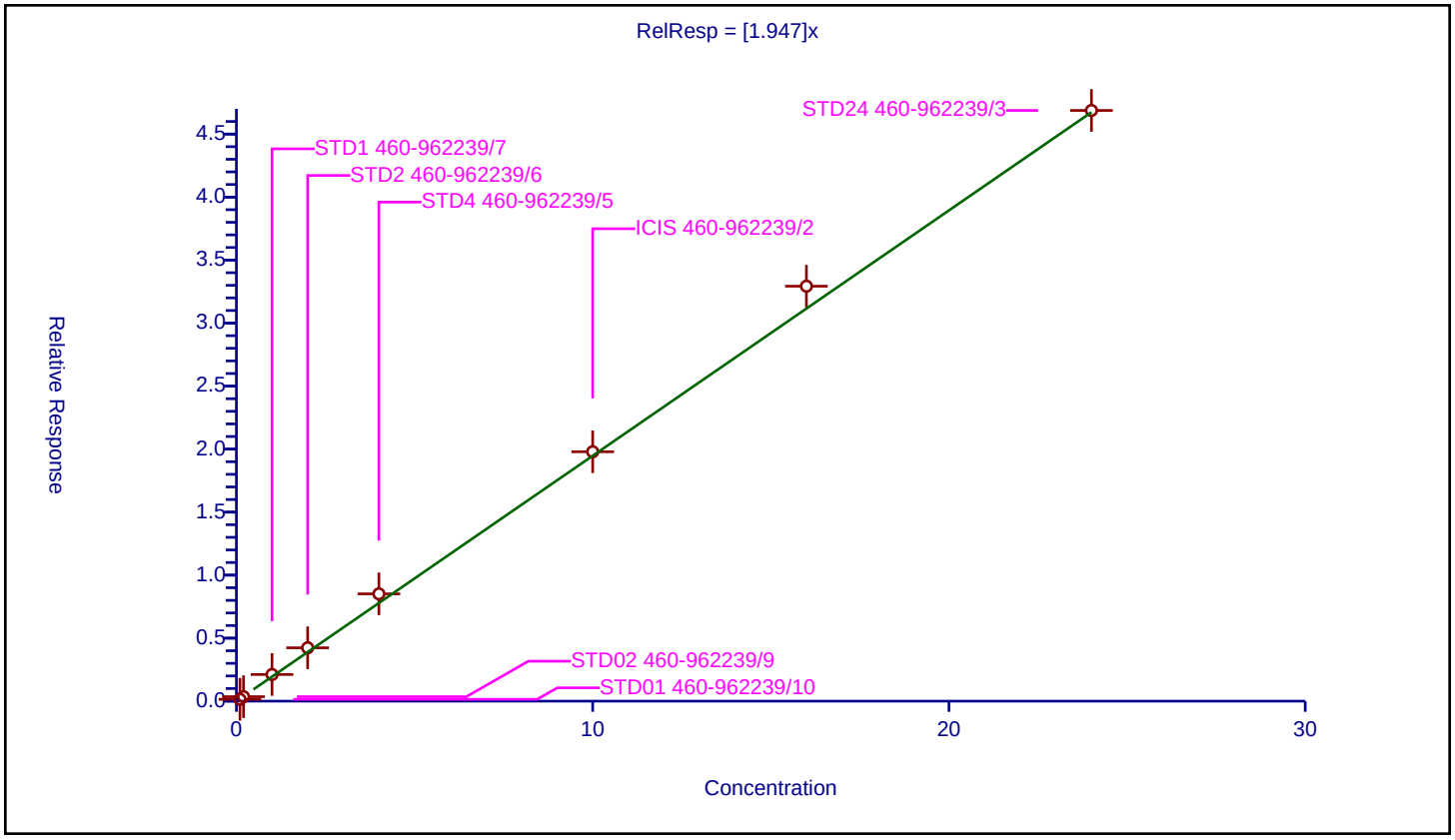
Curve Coefficients

Intercept:	0
Slope:	1.947

Error Coefficients

Relative Standard Deviation:	11.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.145248	8.0	578099.0	1.452485	Y
2	STD02 460-962239/9	0.2	0.355008	8.0	595953.0	1.775039	Y
3	STD1 460-962239/7	1.0	2.114286	8.0	811894.0	2.114286	Y
4	STD2 460-962239/6	2.0	4.232986	8.0	629343.0	2.116493	Y
5	STD4 460-962239/5	4.0	8.515212	8.0	587160.0	2.128803	Y
6	ICIS 460-962239/2	10.0	19.790152	8.0	633602.0	1.979015	Y
7	STD16 460-962239/4	16.0	32.929456	8.0	569133.0	2.058091	Y
8	STD24 460-962239/3	24.0	46.875321	8.0	645375.0	1.953138	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

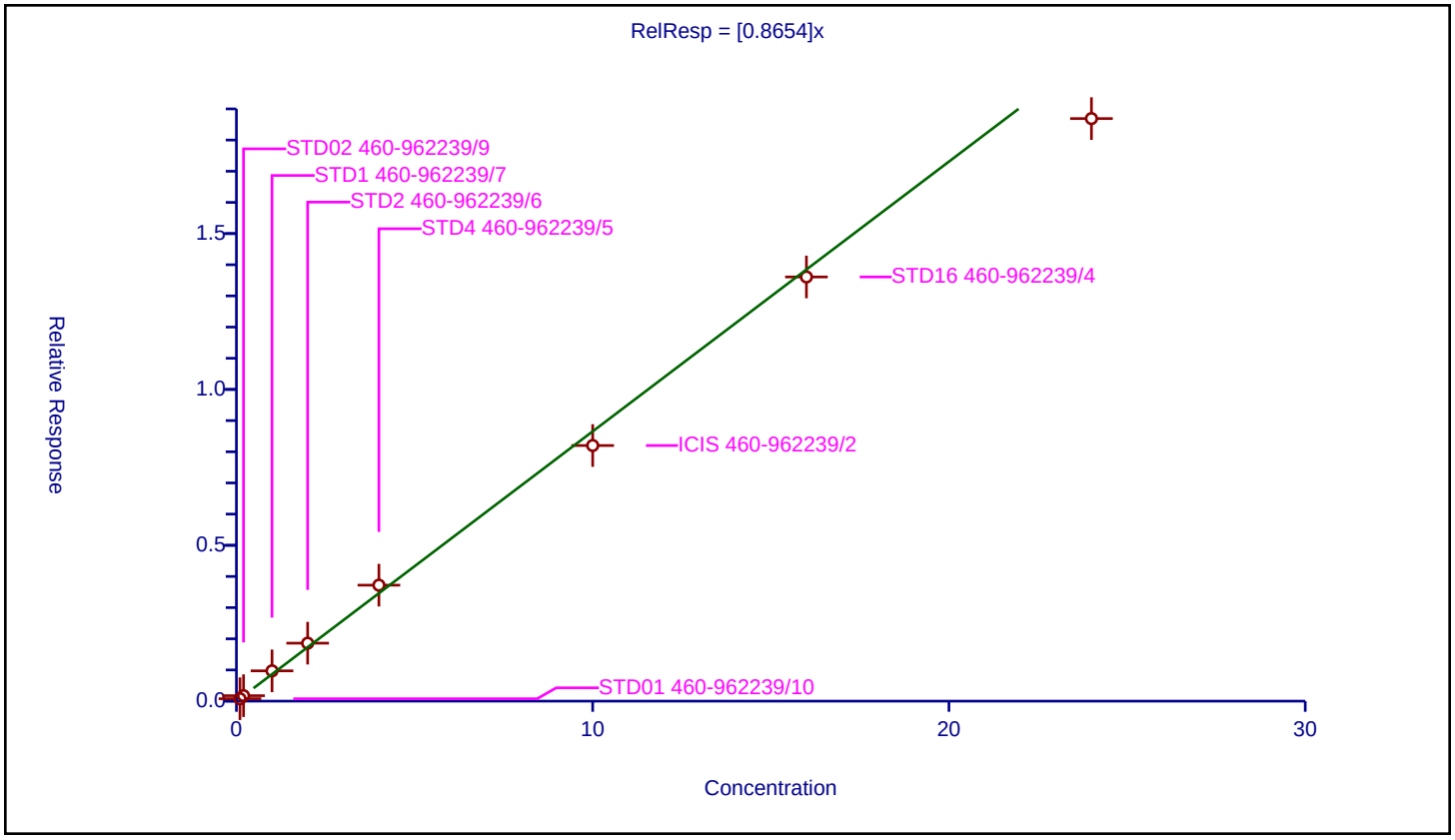
Curve Coefficients

Intercept:	0
Slope:	0.8654

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.076997	8.0	578099.0	0.769972	Y
2	STD02 460-962239/9	0.2	0.174403	8.0	595953.0	0.872015	Y
3	STD1 460-962239/7	1.0	0.972235	8.0	811894.0	0.972235	Y
4	STD2 460-962239/6	2.0	1.85945	8.0	629343.0	0.929725	Y
5	STD4 460-962239/5	4.0	3.720662	8.0	587160.0	0.930166	Y
6	ICIS 460-962239/2	10.0	8.200542	8.0	633602.0	0.820054	Y
7	STD16 460-962239/4	16.0	13.608095	8.0	569133.0	0.850506	Y
8	STD24 460-962239/3	24.0	18.689202	8.0	645375.0	0.778717	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

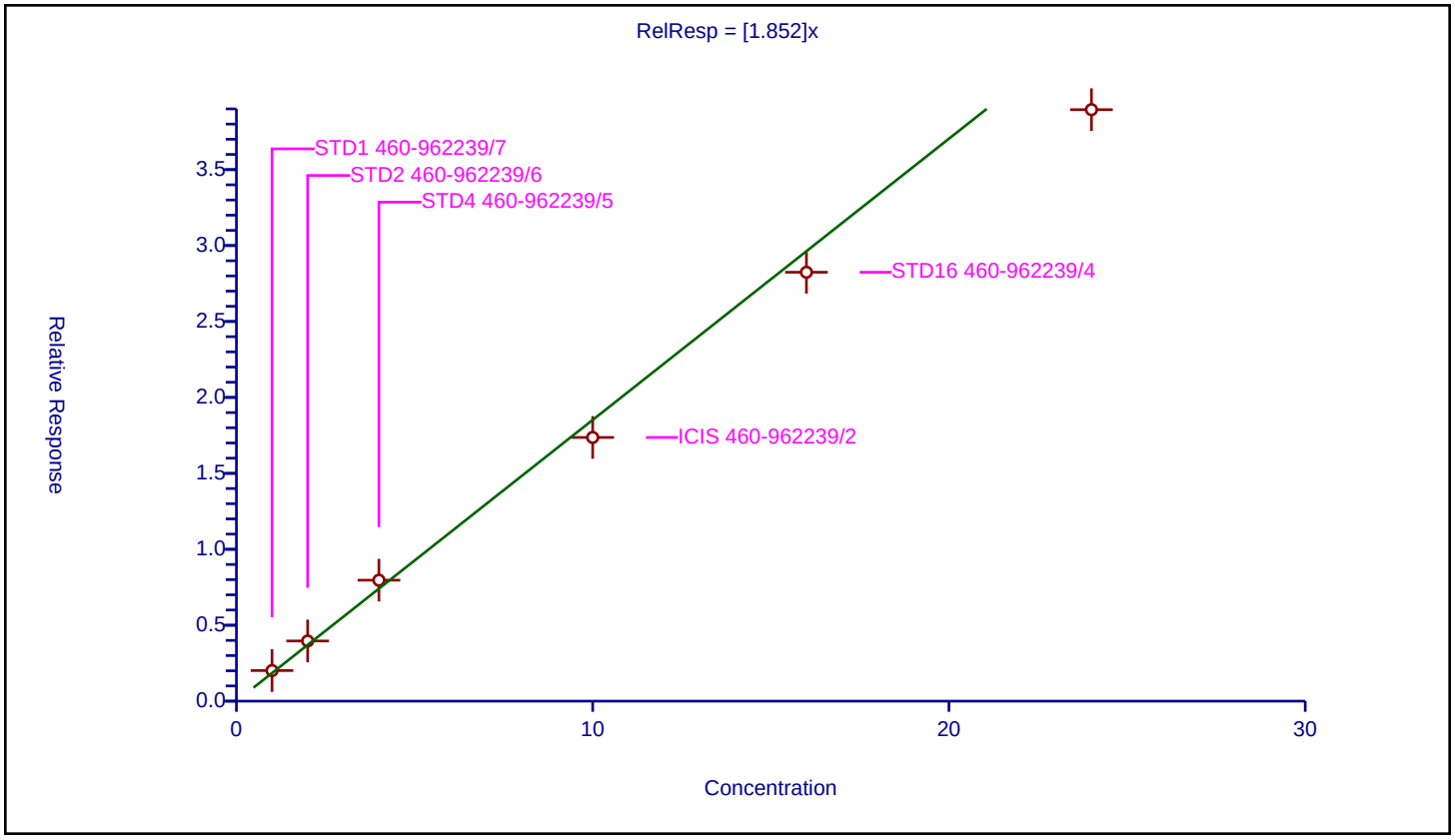
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	2.01444	8.0	811894.0	2.01444	Y
2	STD2 460-962239/6	2.0	3.961032	8.0	629343.0	1.980516	Y
3	STD4 460-962239/5	4.0	7.965788	8.0	587160.0	1.991447	Y
4	ICIS 460-962239/2	10.0	17.364731	8.0	633602.0	1.736473	Y
5	STD16 460-962239/4	16.0	28.243409	8.0	569133.0	1.765213	Y
6	STD24 460-962239/3	24.0	38.949324	8.0	645375.0	1.622889	Y



Calibration

/ 3 & 4 Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

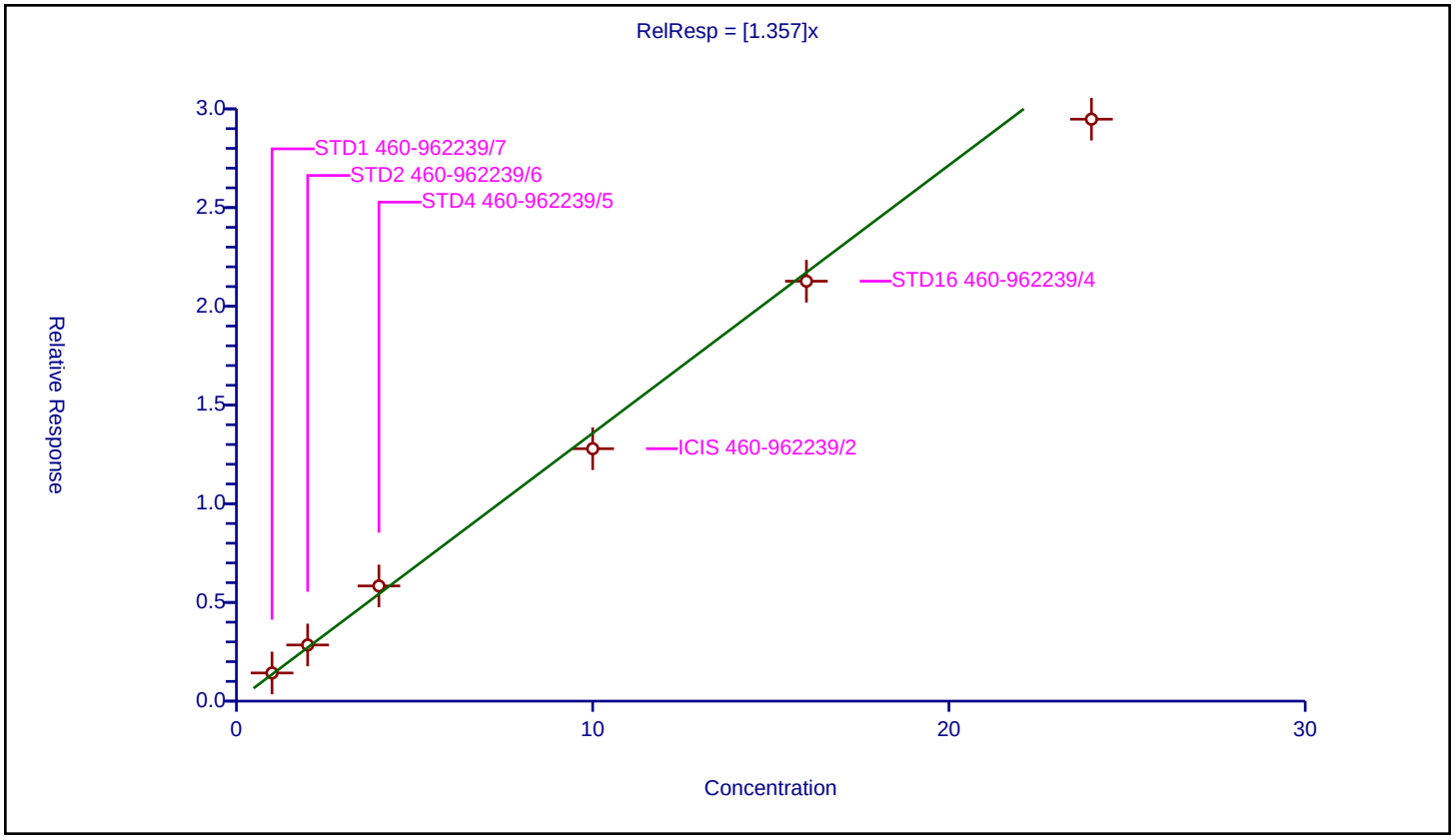
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.426728	8.0	811894.0	1.426728	Y
2	STD2 460-962239/6	2.0	2.844274	8.0	629343.0	1.422137	Y
3	STD4 460-962239/5	4.0	5.835111	8.0	587160.0	1.458778	Y
4	ICIS 460-962239/2	10.0	12.787548	8.0	633602.0	1.278755	Y
5	STD16 460-962239/4	16.0	21.272384	8.0	569133.0	1.329524	Y
6	STD24 460-962239/3	24.0	29.478874	8.0	645375.0	1.228286	Y



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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

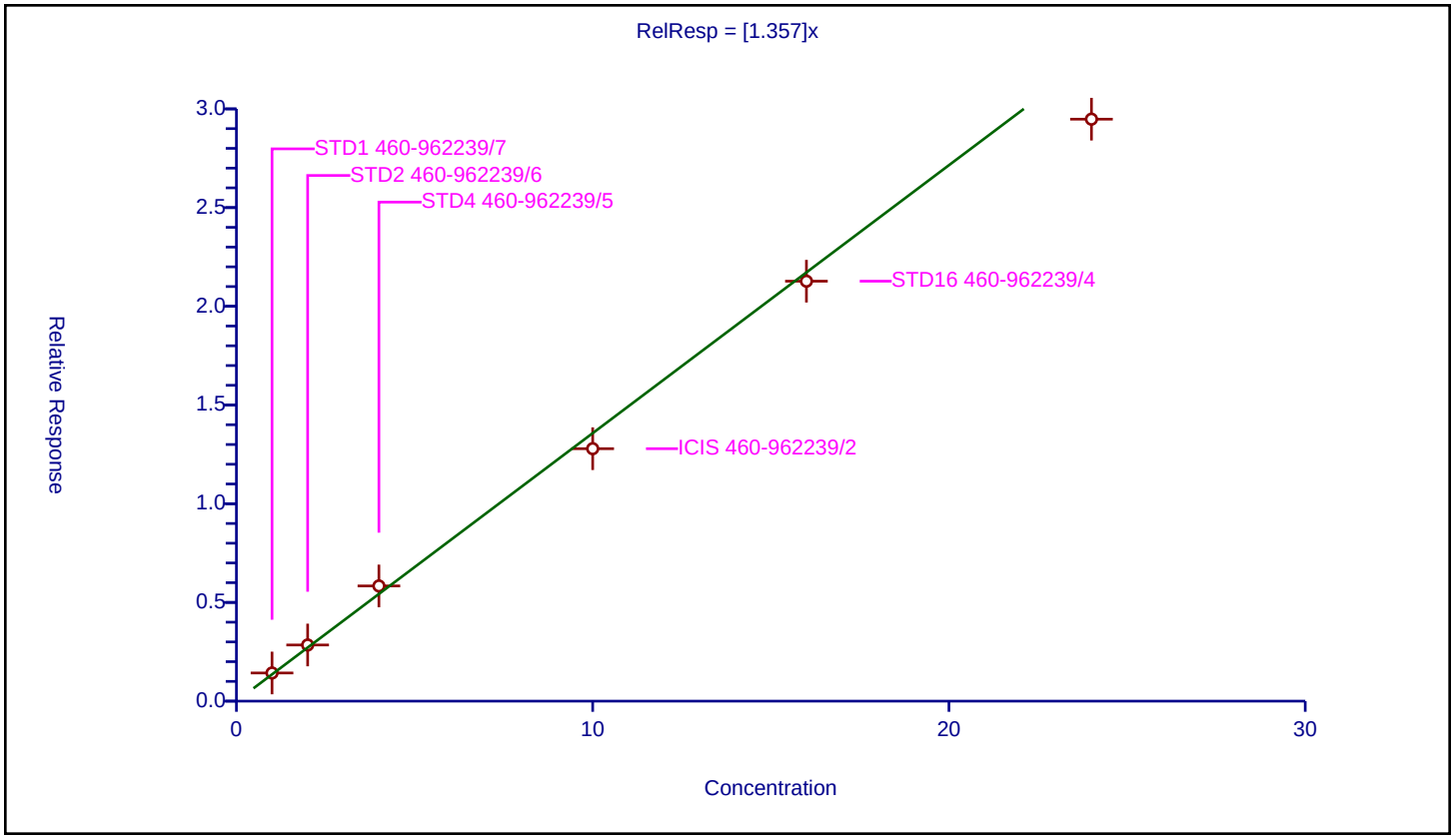
Curve Coefficients

Intercept:	0
Slope:	1.357

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.426728	8.0	811894.0	1.426728	Y
2	STD2 460-962239/6	2.0	2.844274	8.0	629343.0	1.422137	Y
3	STD4 460-962239/5	4.0	5.835111	8.0	587160.0	1.458778	Y
4	ICIS 460-962239/2	10.0	12.787548	8.0	633602.0	1.278755	Y
5	STD16 460-962239/4	16.0	21.272384	8.0	569133.0	1.329524	Y
6	STD24 460-962239/3	24.0	29.478874	8.0	645375.0	1.228286	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

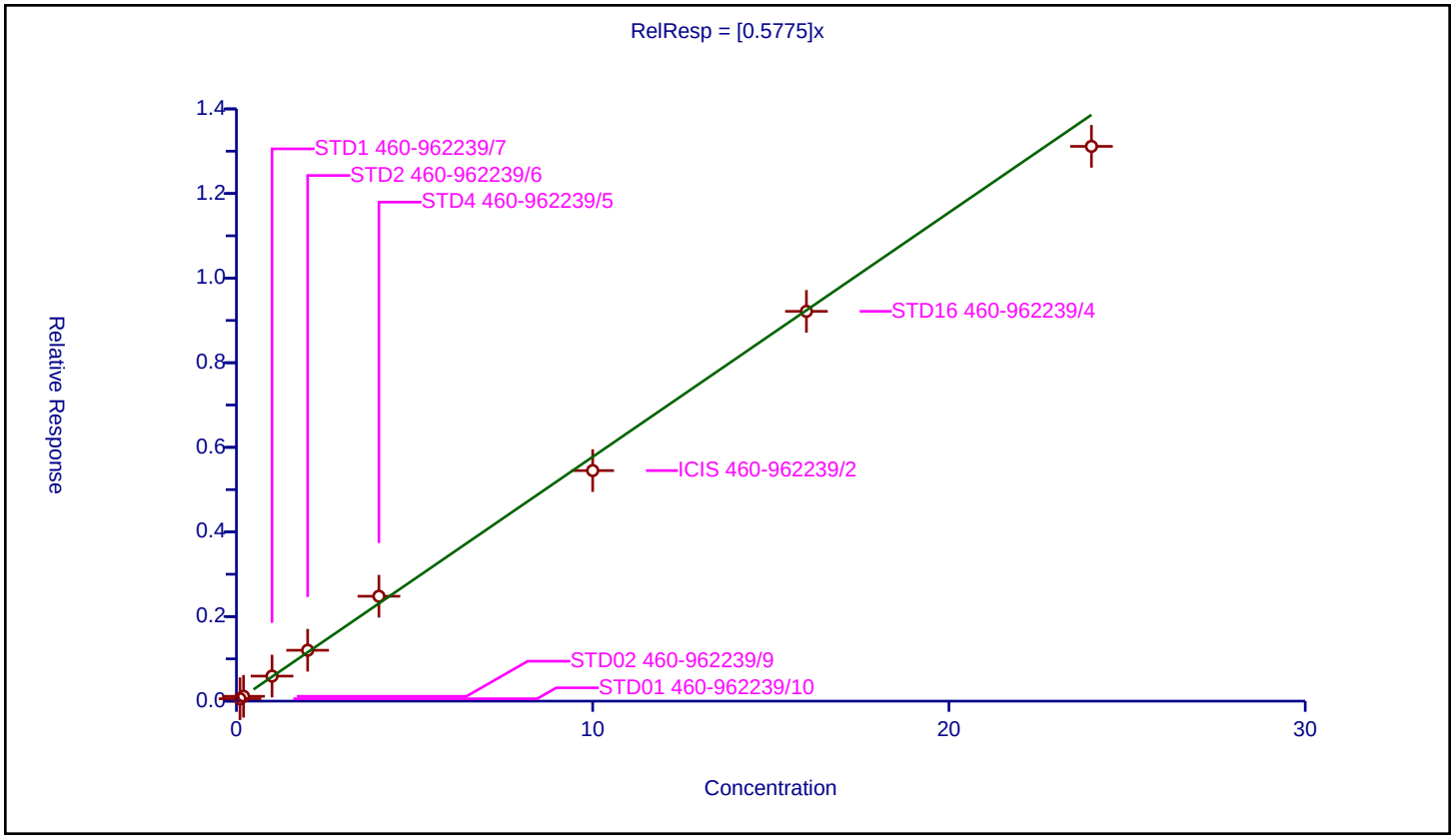
Curve Coefficients

Intercept:	0
Slope:	0.5775

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.056876	8.0	578099.0	0.568761	Y
2	STD02 460-962239/9	0.2	0.114009	8.0	595953.0	0.570045	Y
3	STD1 460-962239/7	1.0	0.592363	8.0	811894.0	0.592363	Y
4	STD2 460-962239/6	2.0	1.202791	8.0	629343.0	0.601395	Y
5	STD4 460-962239/5	4.0	2.479719	8.0	587160.0	0.61993	Y
6	ICIS 460-962239/2	10.0	5.449869	8.0	633602.0	0.544987	Y
7	STD16 460-962239/4	16.0	9.214156	8.0	569133.0	0.575885	Y
8	STD24 460-962239/3	24.0	13.1141	8.0	645375.0	0.546421	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

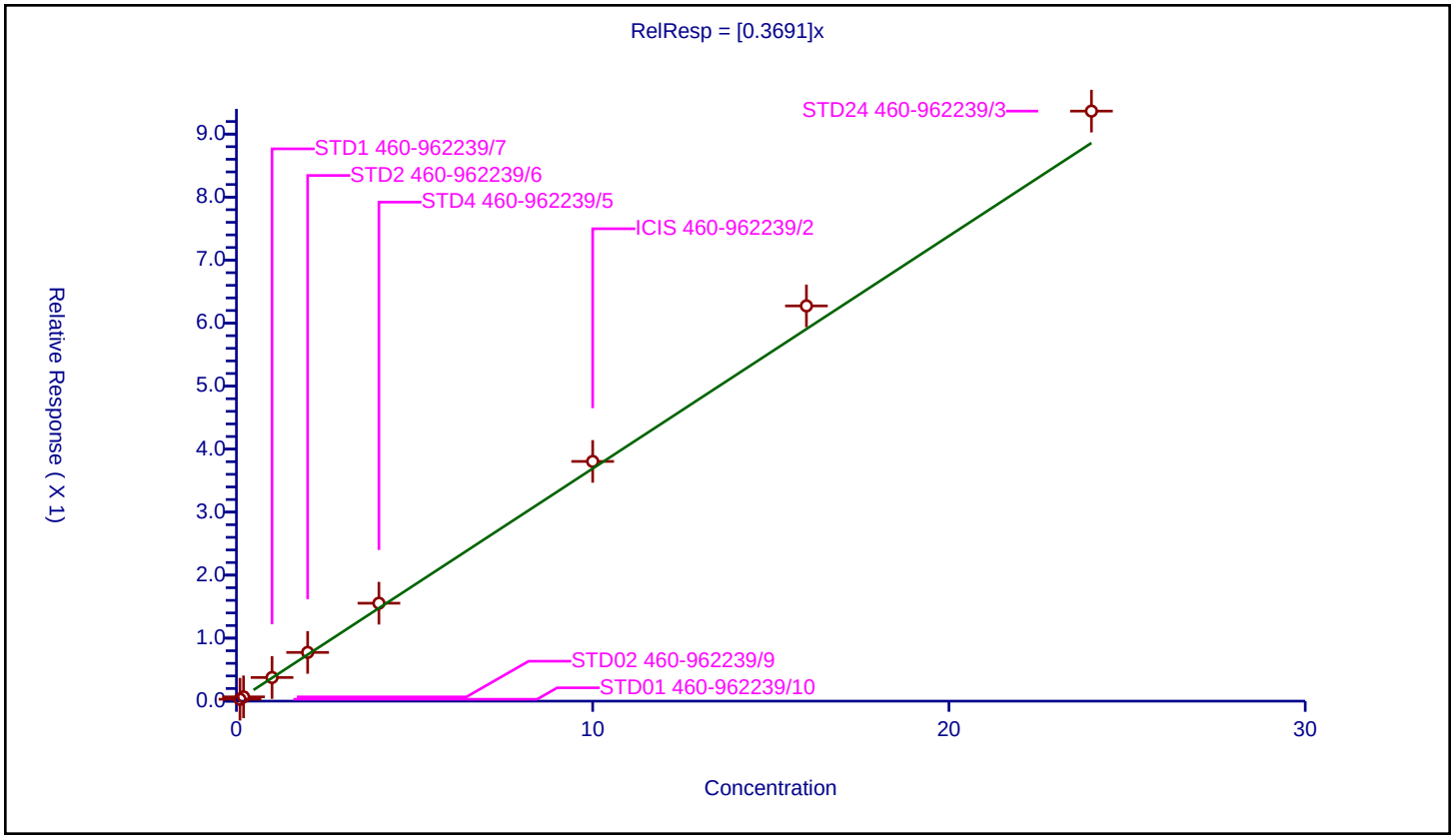
Curve Coefficients

Intercept:	0
Slope:	0.3691

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.030016	8.0	2077304.0	0.300158	Y
2	STD02 460-962239/9	0.2	0.067938	8.0	2128518.0	0.339692	Y
3	STD1 460-962239/7	1.0	0.375187	8.0	2922576.0	0.375187	Y
4	STD2 460-962239/6	2.0	0.773571	8.0	2216071.0	0.386785	Y
5	STD4 460-962239/5	4.0	1.554257	8.0	2073974.0	0.388564	Y
6	ICIS 460-962239/2	10.0	3.804768	8.0	2174053.0	0.380477	Y
7	STD16 460-962239/4	16.0	6.27313	8.0	1961611.0	0.392071	Y
8	STD24 460-962239/3	24.0	9.364755	8.0	2198021.0	0.390198	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

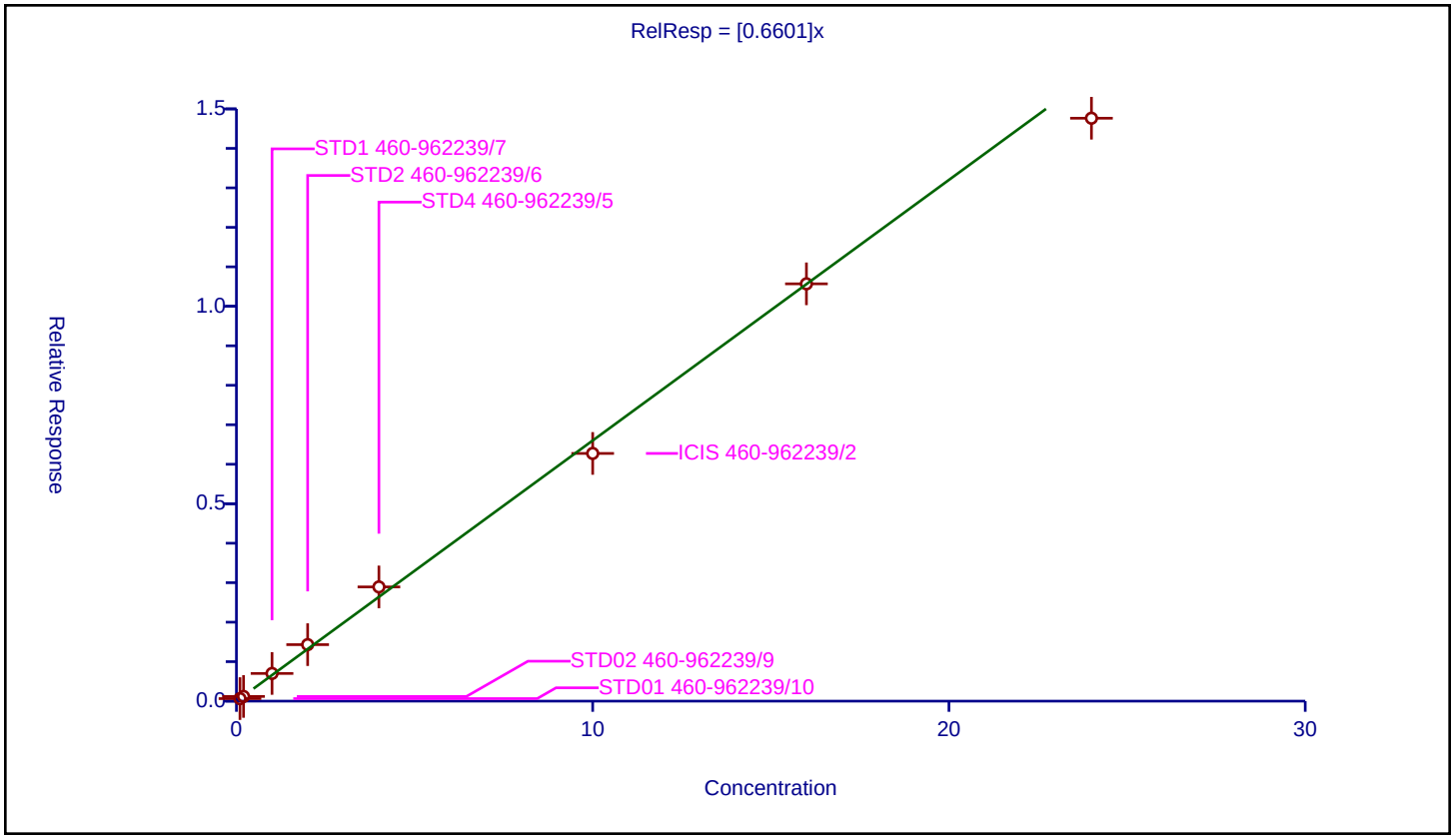
Curve Coefficients

Intercept:	0
Slope:	0.6601

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.064155	8.0	578099.0	0.641551	Y
2	STD02 460-962239/9	0.2	0.119137	8.0	595953.0	0.595685	Y
3	STD1 460-962239/7	1.0	0.701234	8.0	811894.0	0.701234	Y
4	STD2 460-962239/6	2.0	1.431398	8.0	629343.0	0.715699	Y
5	STD4 460-962239/5	4.0	2.892854	8.0	587160.0	0.723213	Y
6	ICIS 460-962239/2	10.0	6.273781	8.0	633602.0	0.627378	Y
7	STD16 460-962239/4	16.0	10.569199	8.0	569133.0	0.660575	Y
8	STD24 460-962239/3	24.0	14.763844	8.0	645375.0	0.61516	Y



Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

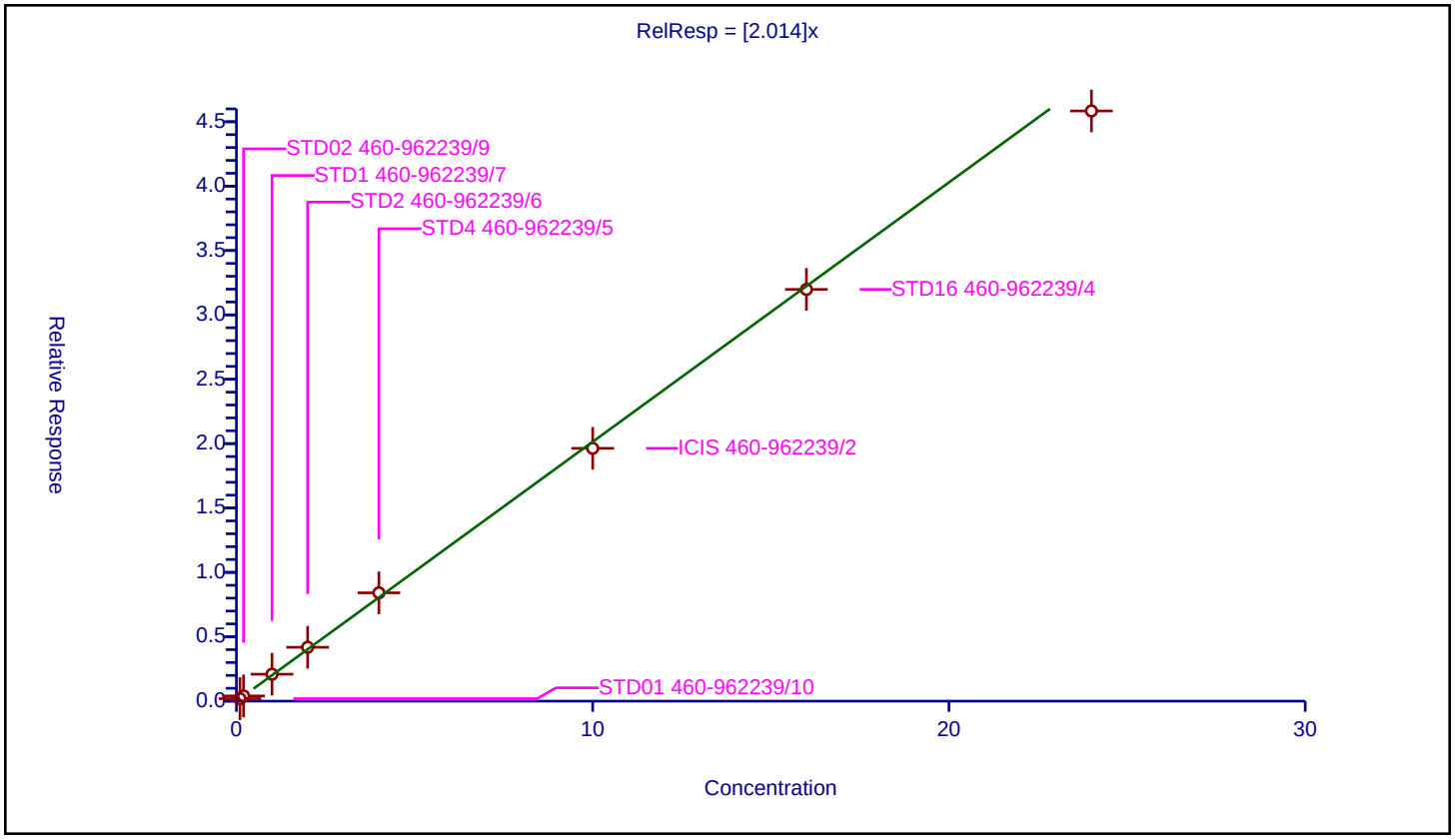
Curve Coefficients

Intercept:	0
Slope:	2.014

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.193268	8.0	578099.0	1.932679	Y
2	STD02 460-962239/9	0.2	0.404878	8.0	595953.0	2.024388	Y
3	STD1 460-962239/7	1.0	2.09111	8.0	811894.0	2.09111	Y
4	STD2 460-962239/6	2.0	4.183194	8.0	629343.0	2.091597	Y
5	STD4 460-962239/5	4.0	8.413938	8.0	587160.0	2.103485	Y
6	ICIS 460-962239/2	10.0	19.636415	8.0	633602.0	1.963642	Y
7	STD16 460-962239/4	16.0	31.9781	8.0	569133.0	1.998631	Y
8	STD24 460-962239/3	24.0	45.839222	8.0	645375.0	1.909968	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

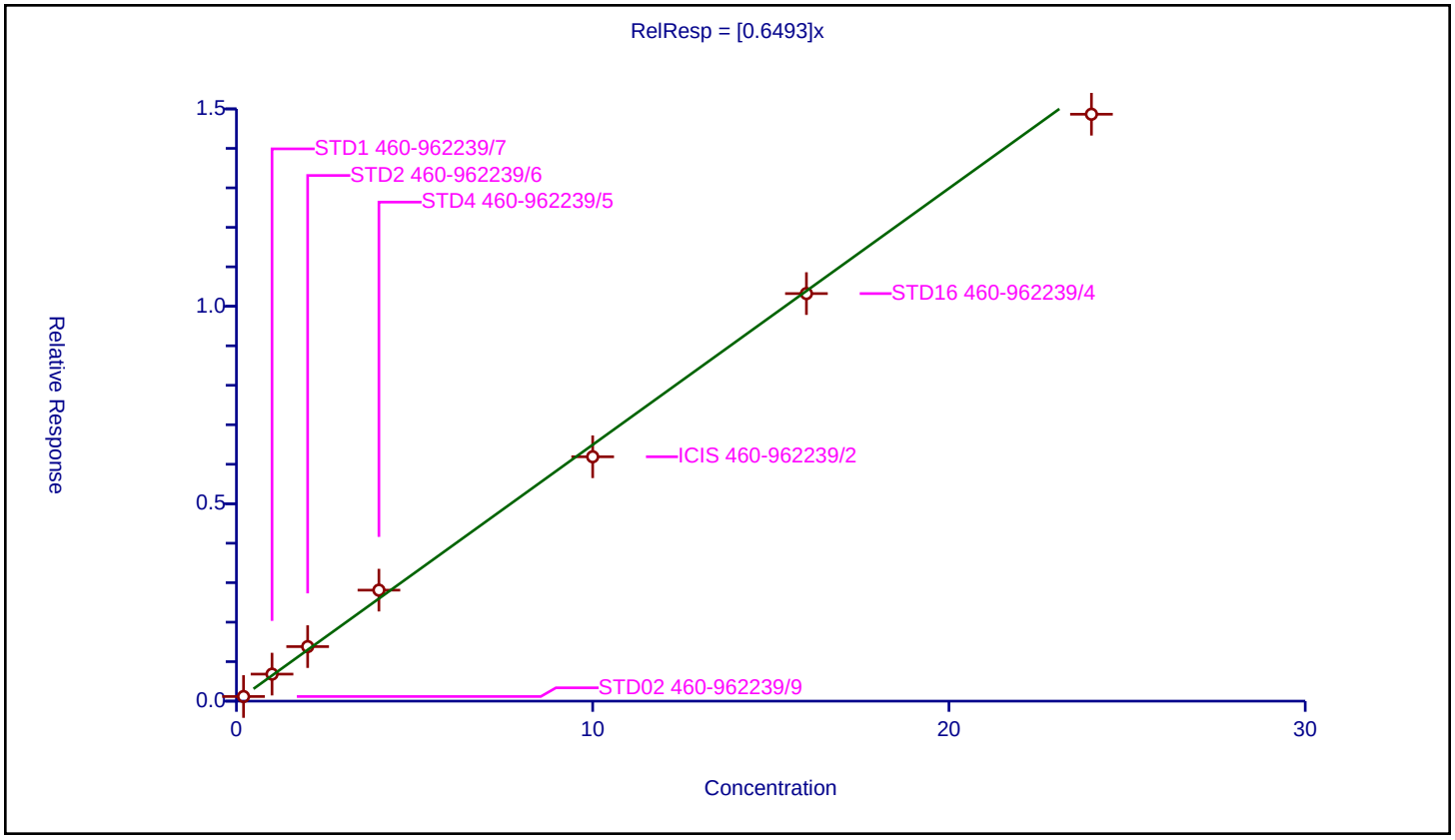
Curve Coefficients

Intercept:	0
Slope:	0.6493

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.11684	8.0	2128518.0	0.5842	Y
2	STD1 460-962239/7	1.0	0.684144	8.0	2922576.0	0.684144	Y
3	STD2 460-962239/6	2.0	1.381335	8.0	2216071.0	0.690667	Y
4	STD4 460-962239/5	4.0	2.811507	8.0	2073974.0	0.702877	Y
5	ICIS 460-962239/2	10.0	6.189222	8.0	2174053.0	0.618922	Y
6	STD16 460-962239/4	16.0	10.322797	8.0	1961611.0	0.645175	Y
7	STD24 460-962239/3	24.0	14.865314	8.0	2198021.0	0.619388	Y



Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

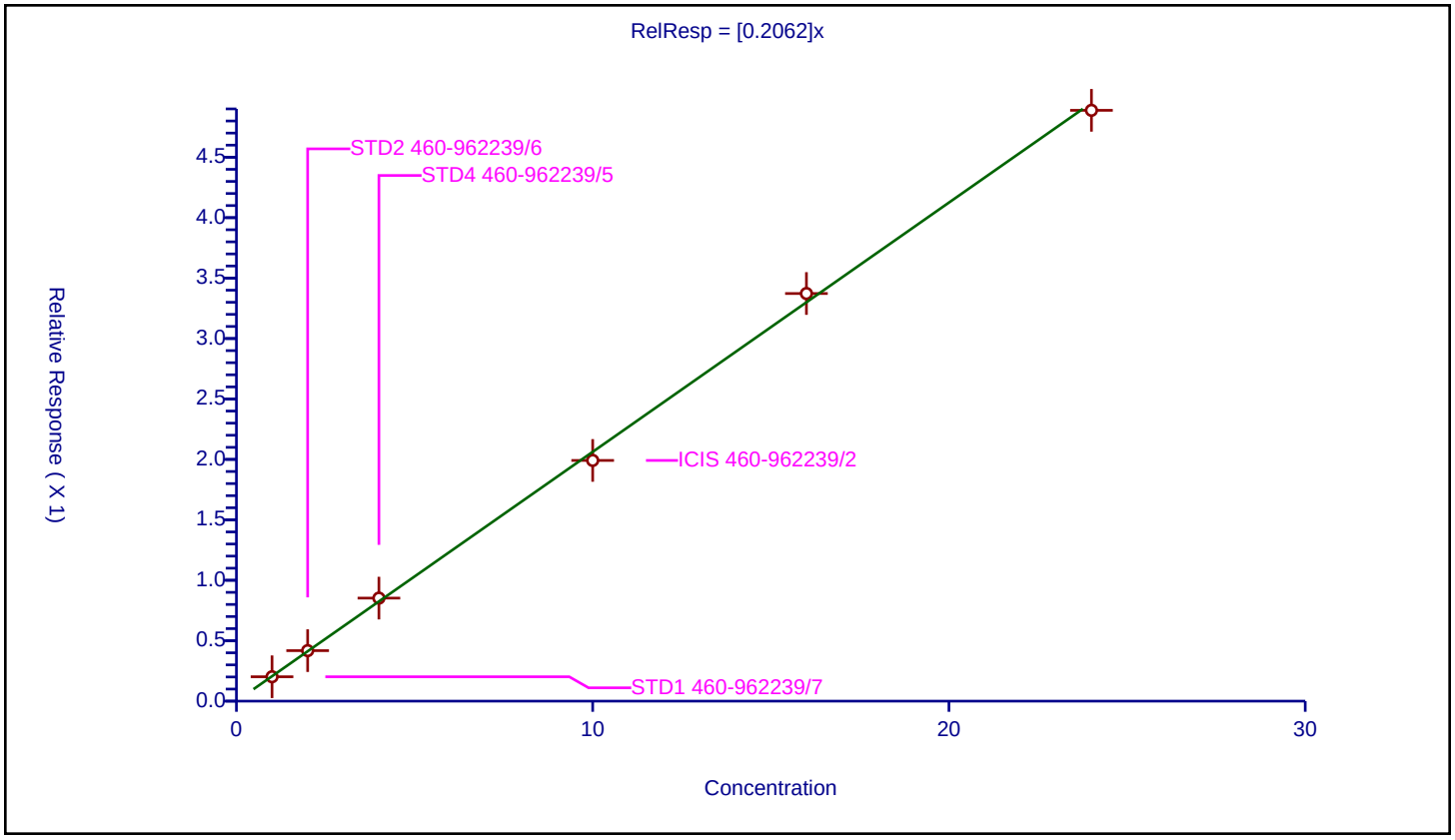
Curve Coefficients

Intercept:	0
Slope:	0.2062

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.20183	8.0	2922576.0	0.20183	Y
2	STD2 460-962239/6	2.0	0.417882	8.0	2216071.0	0.208941	Y
3	STD4 460-962239/5	4.0	0.852381	8.0	2073974.0	0.213095	Y
4	ICIS 460-962239/2	10.0	1.991436	8.0	2174053.0	0.199144	Y
5	STD16 460-962239/4	16.0	3.372583	8.0	1961611.0	0.210786	Y
6	STD24 460-962239/3	24.0	4.888015	8.0	2198021.0	0.203667	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

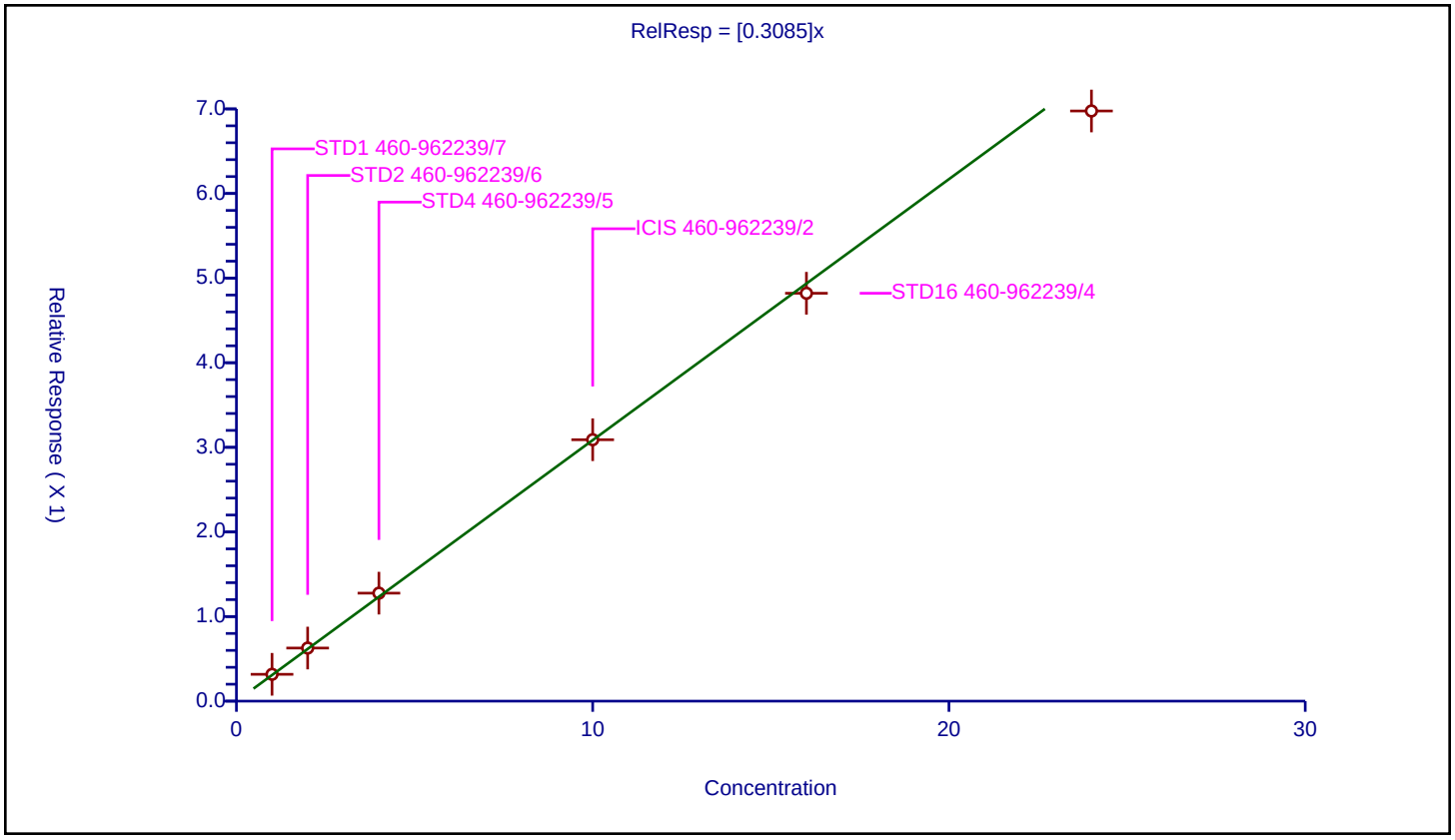
Curve Coefficients

Intercept:	0
Slope:	0.3085

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.317057	8.0	2922576.0	0.317057	Y
2	STD2 460-962239/6	2.0	0.627478	8.0	2216071.0	0.313739	Y
3	STD4 460-962239/5	4.0	1.276398	8.0	2073974.0	0.319099	Y
4	ICIS 460-962239/2	10.0	3.089816	8.0	2174053.0	0.308982	Y
5	STD16 460-962239/4	16.0	4.82094	8.0	1961611.0	0.301309	Y
6	STD24 460-962239/3	24.0	6.975566	8.0	2198021.0	0.290649	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

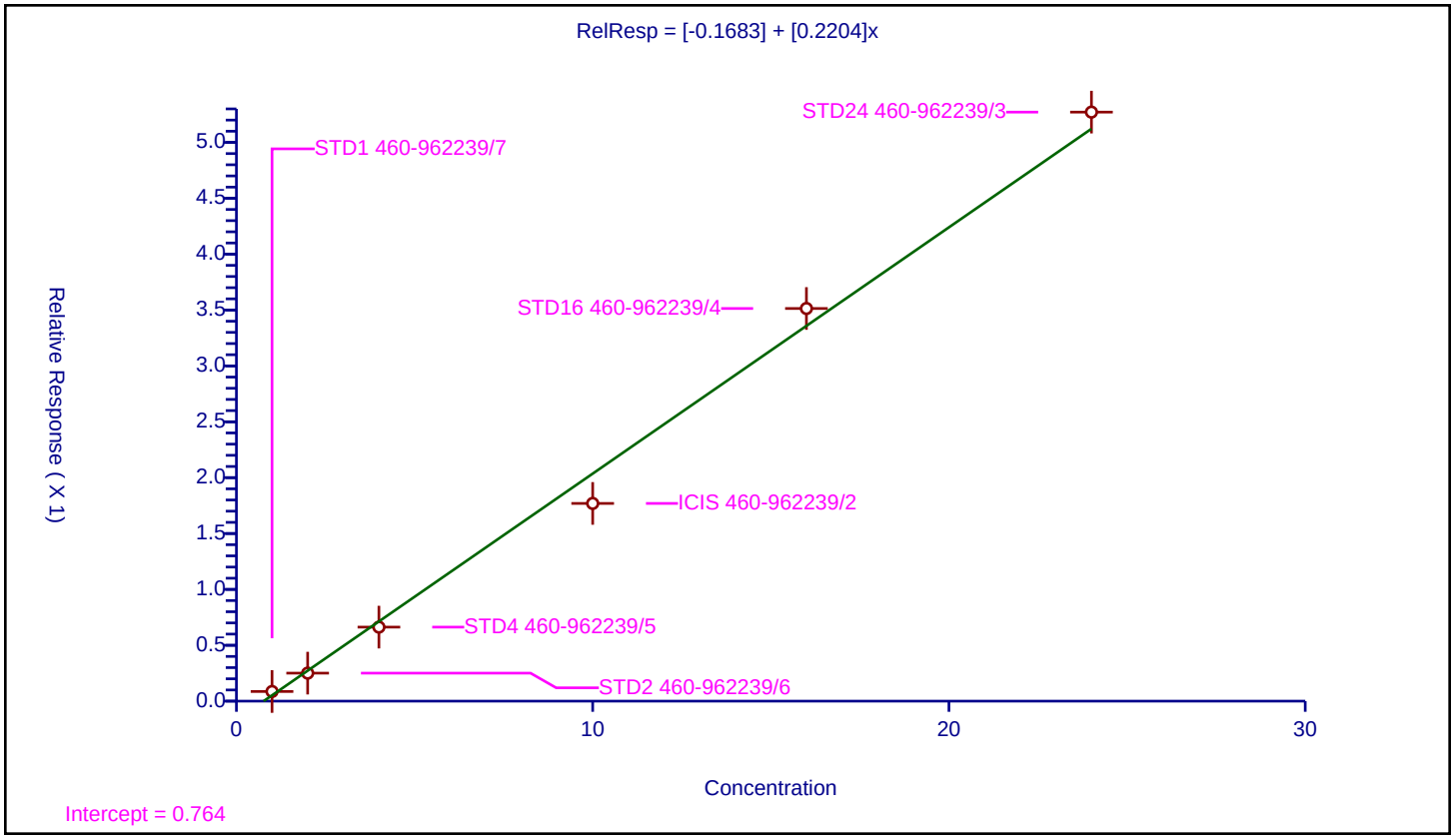
Curve Coefficients

Intercept:	-0.1683
Slope:	0.2204

Error Coefficients

Relative Standard Deviation:	10.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.086458	8.0	2922576.0	0.086458	Y
2	STD2 460-962239/6	2.0	0.2507	8.0	2216071.0	0.12535	Y
3	STD4 460-962239/5	4.0	0.662469	8.0	2073974.0	0.165617	Y
4	ICIS 460-962239/2	10.0	1.769278	8.0	2174053.0	0.176928	Y
5	STD16 460-962239/4	16.0	3.513883	8.0	1961611.0	0.219618	Y
6	STD24 460-962239/3	24.0	5.271163	8.0	2198021.0	0.219632	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

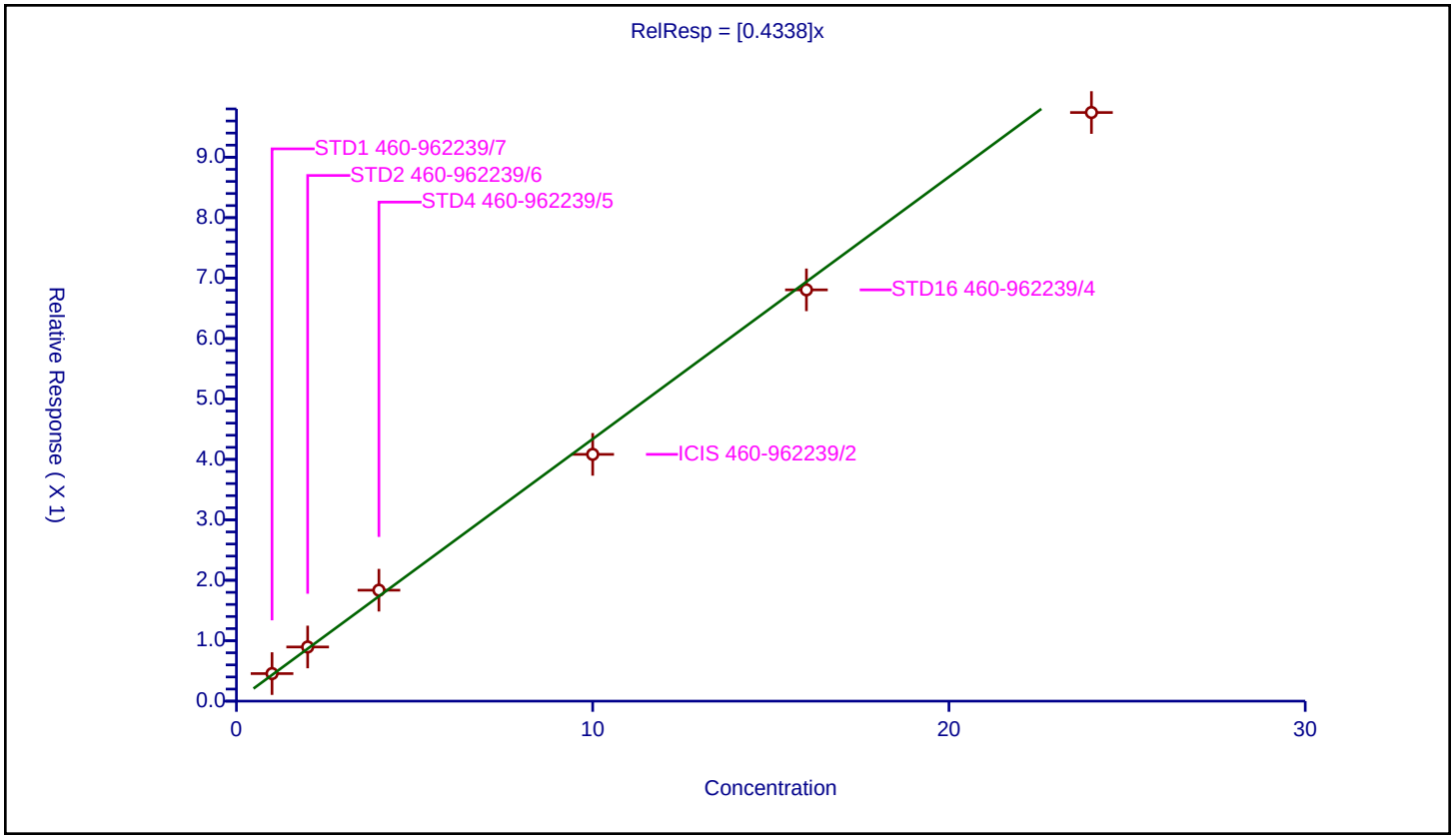
Curve Coefficients

Intercept:	0
Slope:	0.4338

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.455998	8.0	2922576.0	0.455998	Y
2	STD2 460-962239/6	2.0	0.896145	8.0	2216071.0	0.448072	Y
3	STD4 460-962239/5	4.0	1.835587	8.0	2073974.0	0.458897	Y
4	ICIS 460-962239/2	10.0	4.083463	8.0	2174053.0	0.408346	Y
5	STD16 460-962239/4	16.0	6.805782	8.0	1961611.0	0.425361	Y
6	STD24 460-962239/3	24.0	9.740173	8.0	2198021.0	0.405841	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

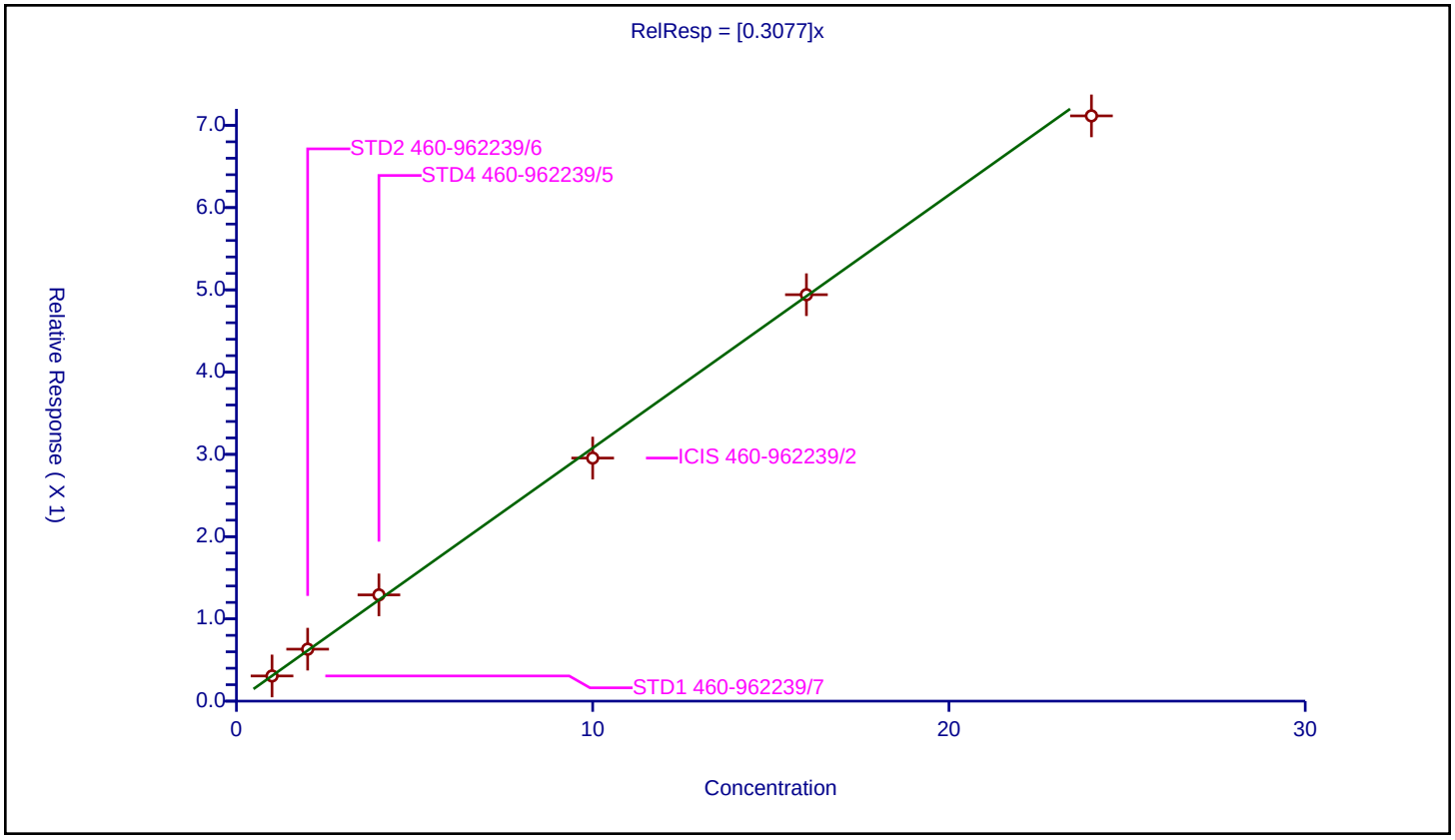
Curve Coefficients

Intercept:	0
Slope:	0.3077

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.306286	8.0	2922576.0	0.306286	Y
2	STD2 460-962239/6	2.0	0.632038	8.0	2216071.0	0.316019	Y
3	STD4 460-962239/5	4.0	1.291634	8.0	2073974.0	0.322909	Y
4	ICIS 460-962239/2	10.0	2.954979	8.0	2174053.0	0.295498	Y
5	STD16 460-962239/4	16.0	4.941073	8.0	1961611.0	0.308817	Y
6	STD24 460-962239/3	24.0	7.115299	8.0	2198021.0	0.296471	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

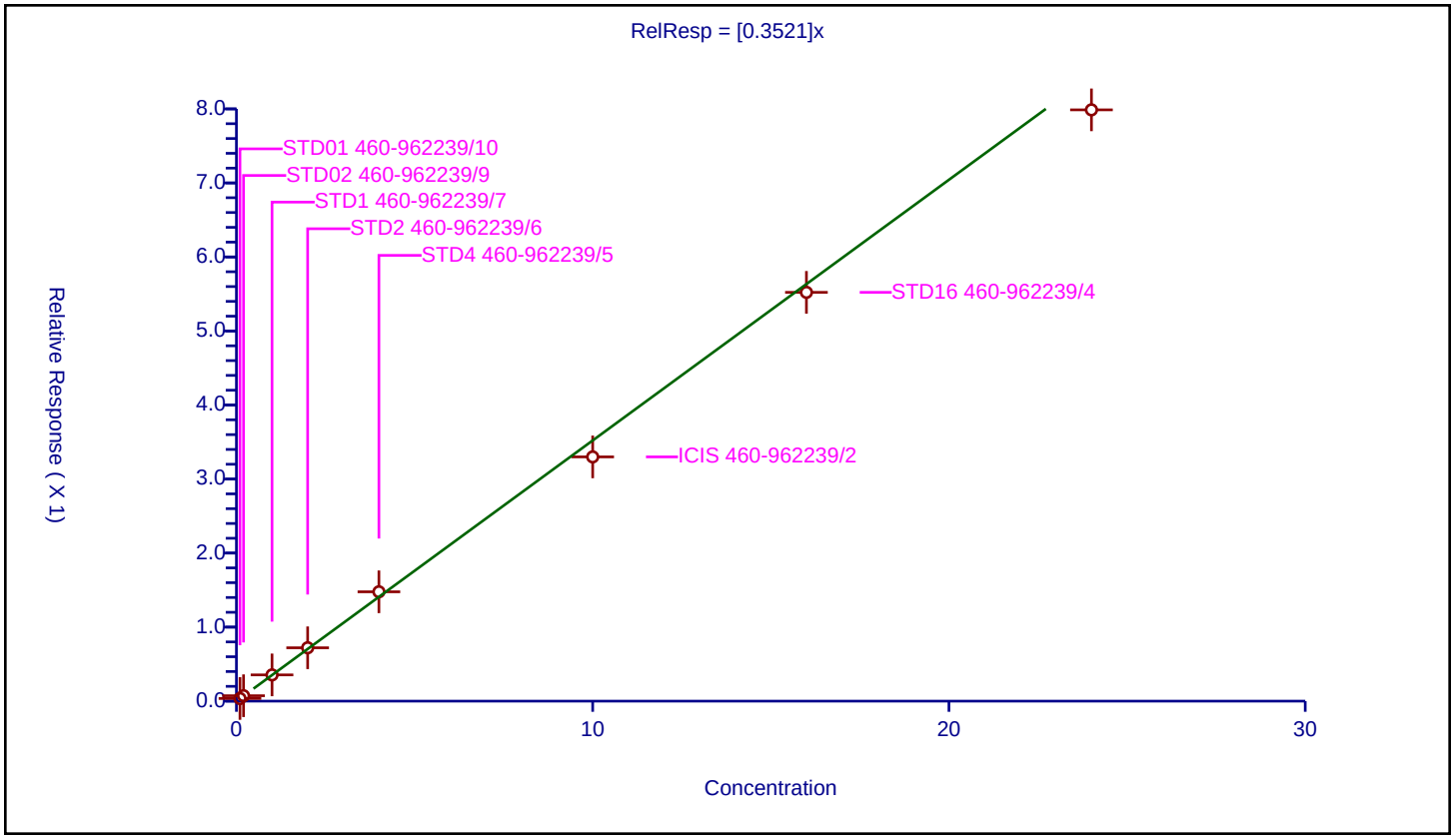
Curve Coefficients

Intercept:	0
Slope:	0.3521

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.0359	8.0	2077304.0	0.359004	Y
2	STD02 460-962239/9	0.2	0.073178	8.0	2128518.0	0.365888	Y
3	STD1 460-962239/7	1.0	0.354523	8.0	2922576.0	0.354523	Y
4	STD2 460-962239/6	2.0	0.72089	8.0	2216071.0	0.360445	Y
5	STD4 460-962239/5	4.0	1.477056	8.0	2073974.0	0.369264	Y
6	ICIS 460-962239/2	10.0	3.29915	8.0	2174053.0	0.329915	Y
7	STD16 460-962239/4	16.0	5.521804	8.0	1961611.0	0.345113	Y
8	STD24 460-962239/3	24.0	7.987047	8.0	2198021.0	0.332794	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

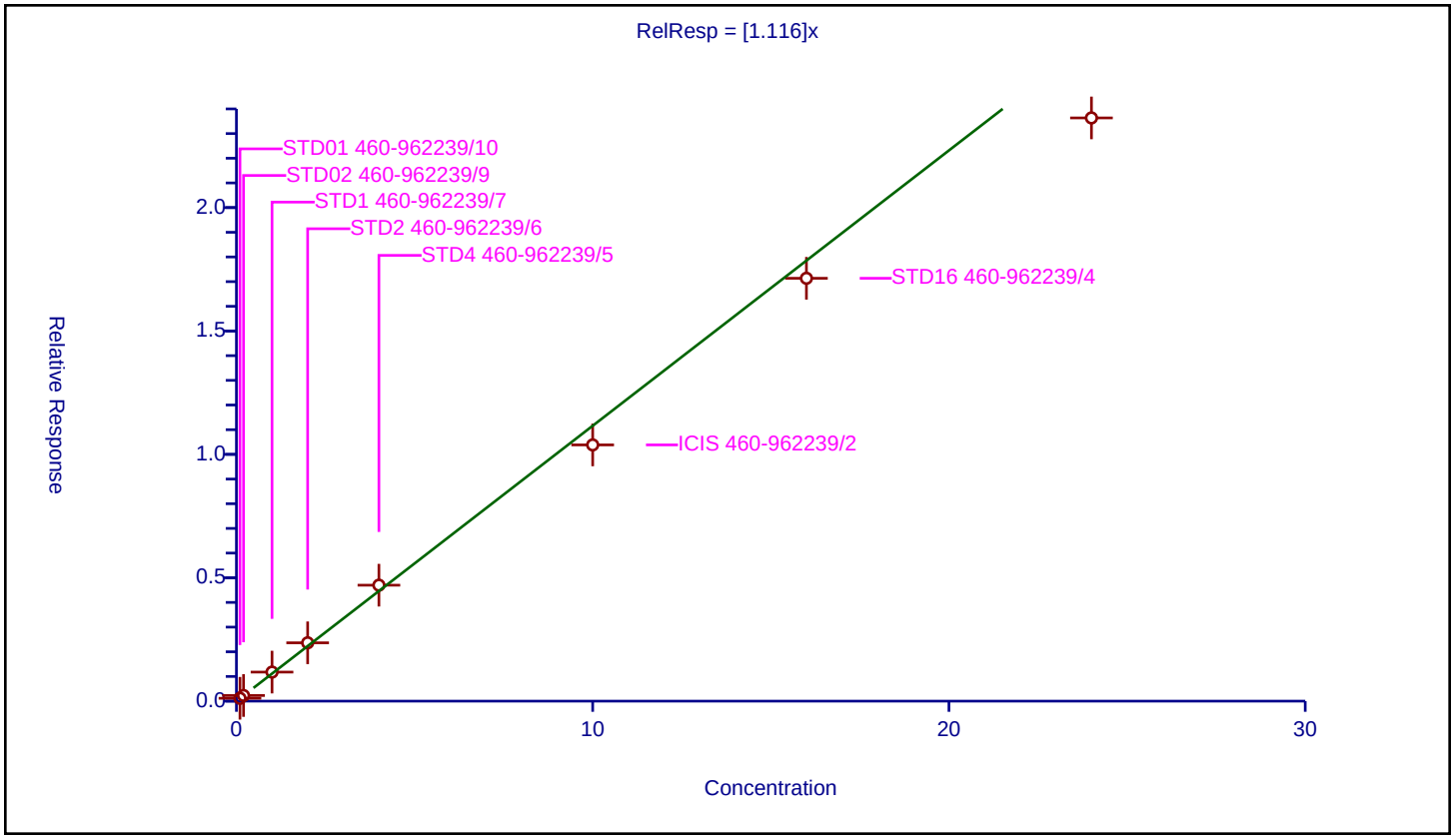
Curve Coefficients

Intercept:	0
Slope:	1.116

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.115496	8.0	2077304.0	1.154959	Y
2	STD02 460-962239/9	0.2	0.2287	8.0	2128518.0	1.1435	Y
3	STD1 460-962239/7	1.0	1.177378	8.0	2922576.0	1.177378	Y
4	STD2 460-962239/6	2.0	2.364126	8.0	2216071.0	1.182063	Y
5	STD4 460-962239/5	4.0	4.698416	8.0	2073974.0	1.174604	Y
6	ICIS 460-962239/2	10.0	10.38307	8.0	2174053.0	1.038307	Y
7	STD16 460-962239/4	16.0	17.135846	8.0	1961611.0	1.07099	Y
8	STD24 460-962239/3	24.0	23.634173	8.0	2198021.0	0.984757	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

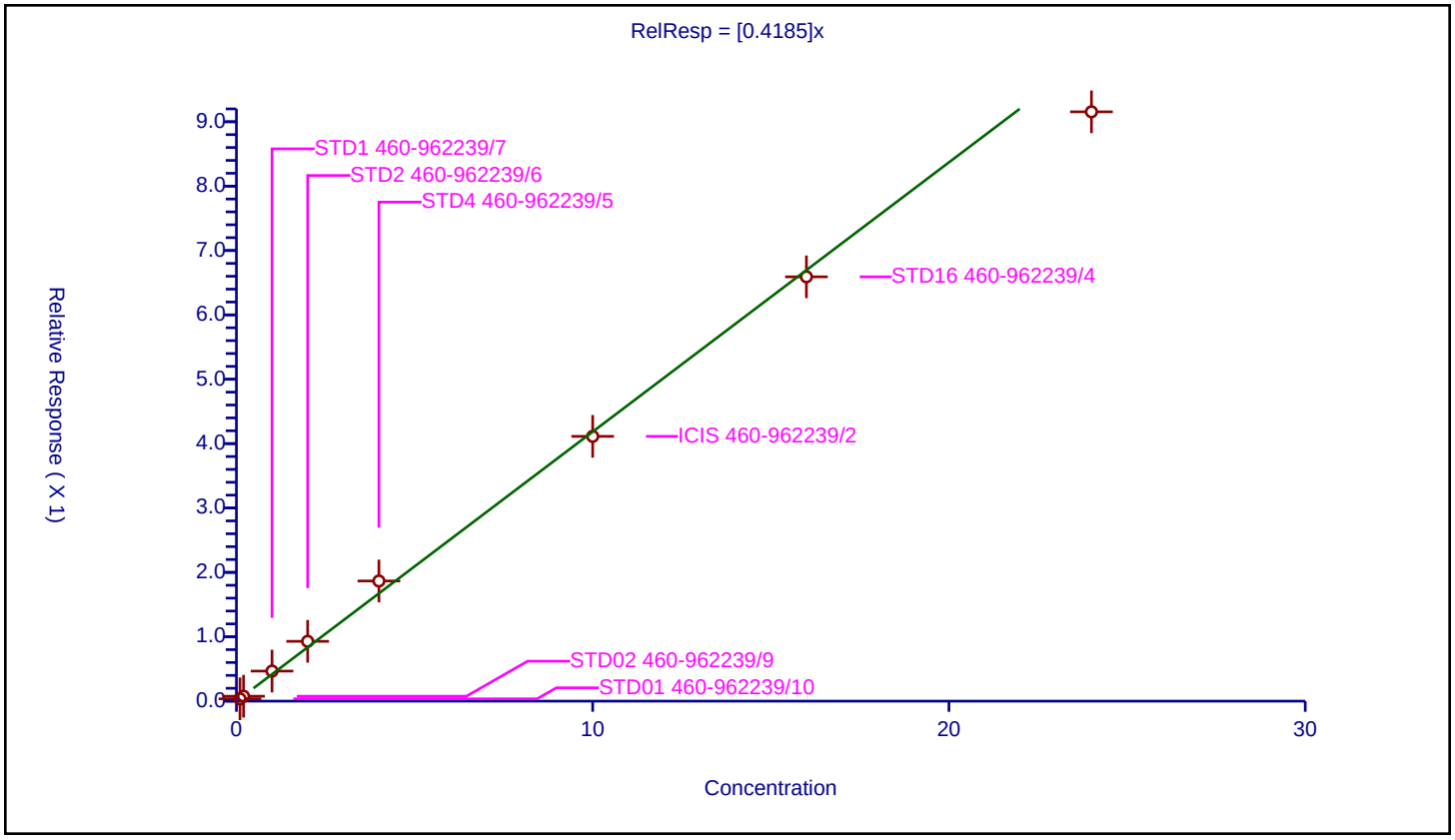
Curve Coefficients

Intercept:	0
Slope:	0.4185

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.036305	8.0	2077304.0	0.363047	Y
2	STD02 460-962239/9	0.2	0.076395	8.0	2128518.0	0.381975	Y
3	STD1 460-962239/7	1.0	0.466733	8.0	2922576.0	0.466733	Y
4	STD2 460-962239/6	2.0	0.929017	8.0	2216071.0	0.464509	Y
5	STD4 460-962239/5	4.0	1.86672	8.0	2073974.0	0.46668	Y
6	ICIS 460-962239/2	10.0	4.113048	8.0	2174053.0	0.411305	Y
7	STD16 460-962239/4	16.0	6.591244	8.0	1961611.0	0.411953	Y
8	STD24 460-962239/3	24.0	9.154351	8.0	2198021.0	0.381431	Y



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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

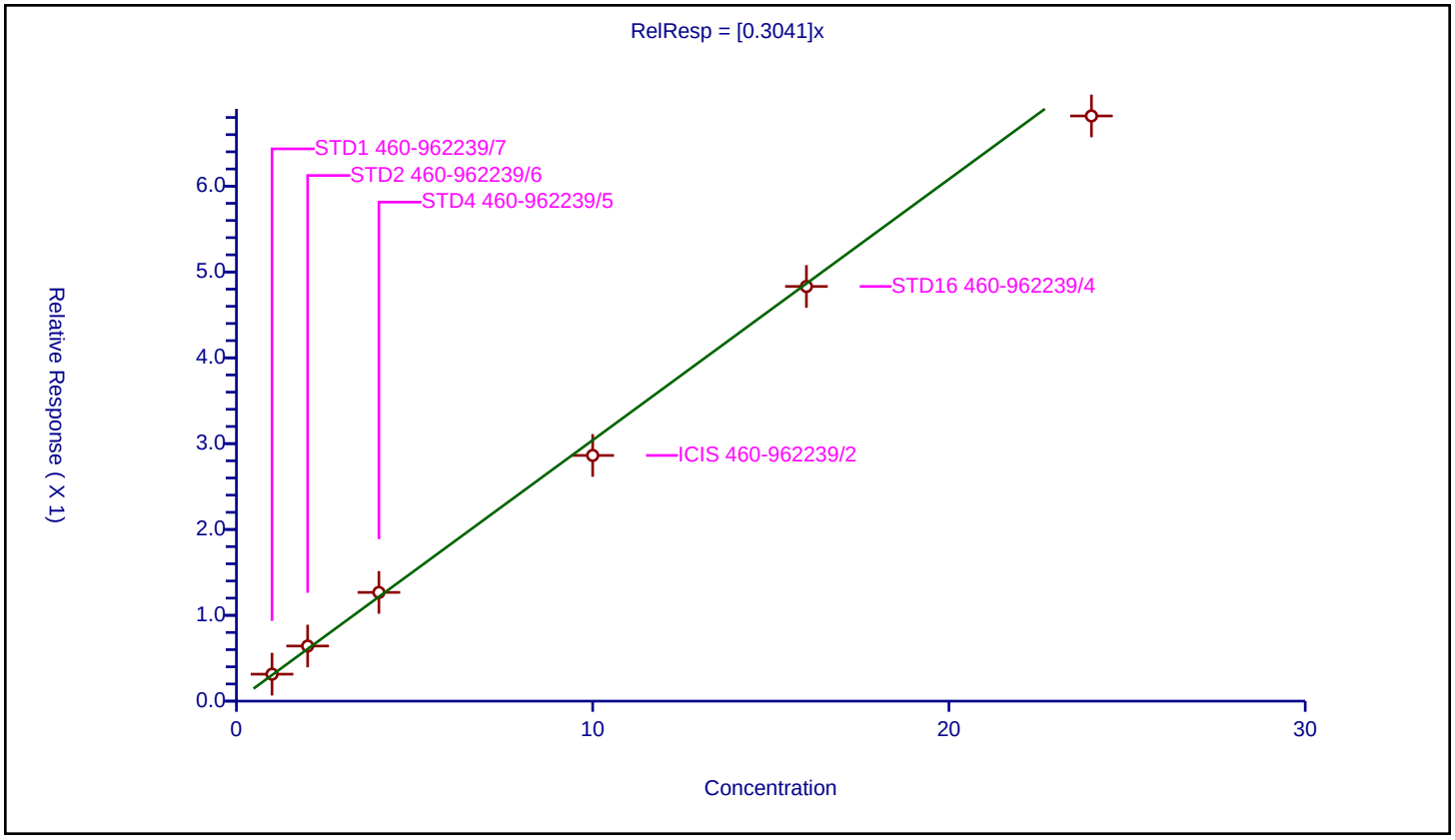
Curve Coefficients

Intercept:	0
Slope:	0.3041

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.314271	8.0	2922576.0	0.314271	Y
2	STD2 460-962239/6	2.0	0.642164	8.0	2216071.0	0.321082	Y
3	STD4 460-962239/5	4.0	1.266724	8.0	2073974.0	0.316681	Y
4	ICIS 460-962239/2	10.0	2.862605	8.0	2174053.0	0.286261	Y
5	STD16 460-962239/4	16.0	4.831135	8.0	1961611.0	0.301946	Y
6	STD24 460-962239/3	24.0	6.817656	8.0	2198021.0	0.284069	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

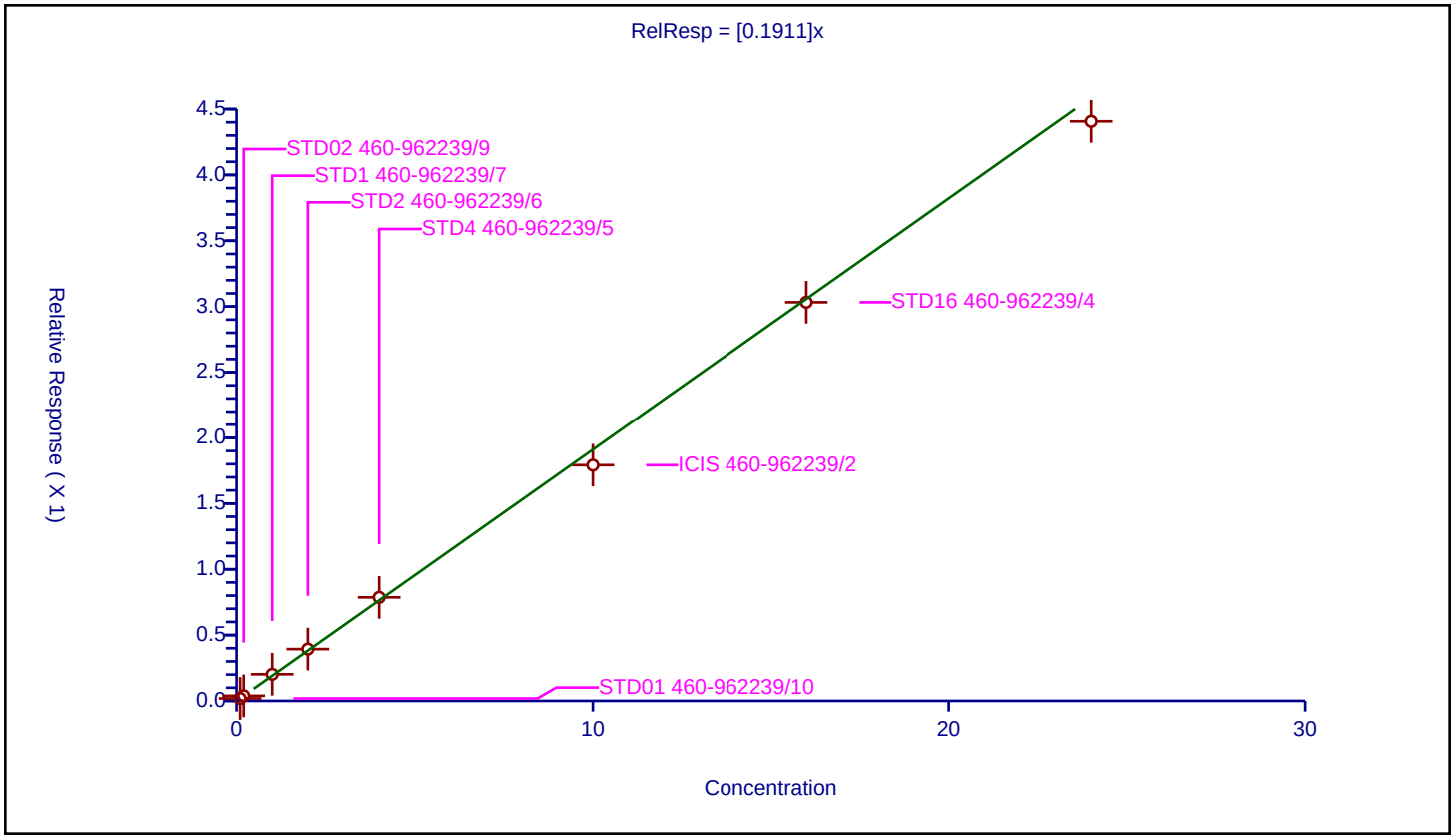
Curve Coefficients

Intercept:	0
Slope:	0.1911

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.018701	8.0	2077304.0	0.187012	Y
2	STD02 460-962239/9	0.2	0.038735	8.0	2128518.0	0.193675	Y
3	STD1 460-962239/7	1.0	0.202167	8.0	2922576.0	0.202167	Y
4	STD2 460-962239/6	2.0	0.393533	8.0	2216071.0	0.196766	Y
5	STD4 460-962239/5	4.0	0.78666	8.0	2073974.0	0.196665	Y
6	ICIS 460-962239/2	10.0	1.79221	8.0	2174053.0	0.179221	Y
7	STD16 460-962239/4	16.0	3.032365	8.0	1961611.0	0.189523	Y
8	STD24 460-962239/3	24.0	4.407128	8.0	2198021.0	0.18363	Y



Calibration / Caprolactam

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

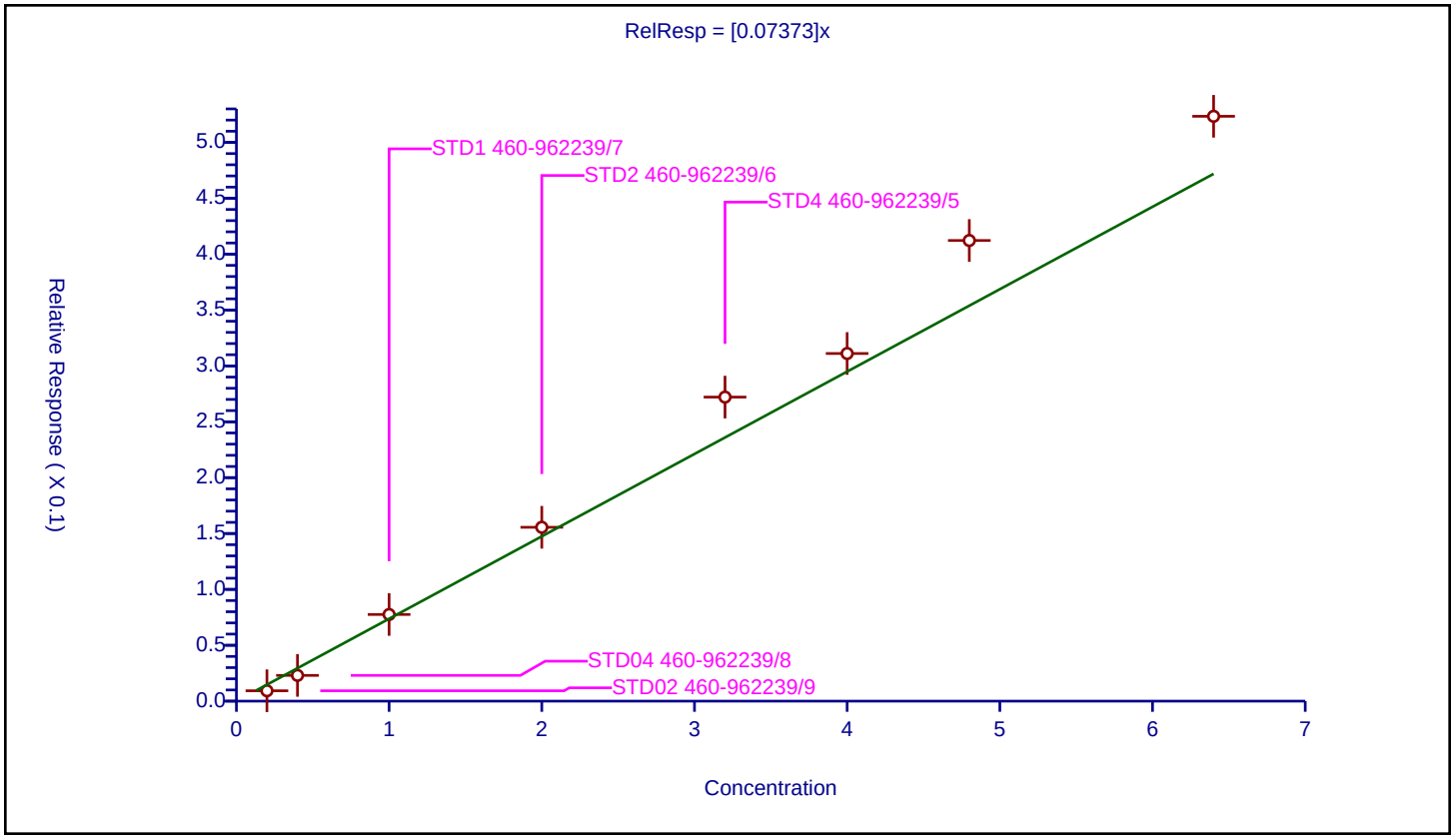
Curve Coefficients

Intercept:	0
Slope:	0.07373

Error Coefficients

Relative Standard Deviation:	19.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.009283	8.0	2128518.0	0.046417	Y
2	STD04 460-962239/8	0.4	0.023046	8.0	2310526.0	0.057615	Y
3	STD1 460-962239/7	1.0	0.07754	8.0	2922576.0	0.07754	Y
4	STD2 460-962239/6	2.0	0.155583	8.0	2216071.0	0.077792	Y
5	STD4 460-962239/5	3.2	0.272077	8.0	2073974.0	0.085024	Y
6	ICIS 460-962239/2	4.0	0.311106	8.0	2174053.0	0.077776	Y
7	STD16 460-962239/4	4.8	0.412224	8.0	1961611.0	0.08588	Y
8	STD24 460-962239/3	6.4	0.523373	8.0	2198021.0	0.081777	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

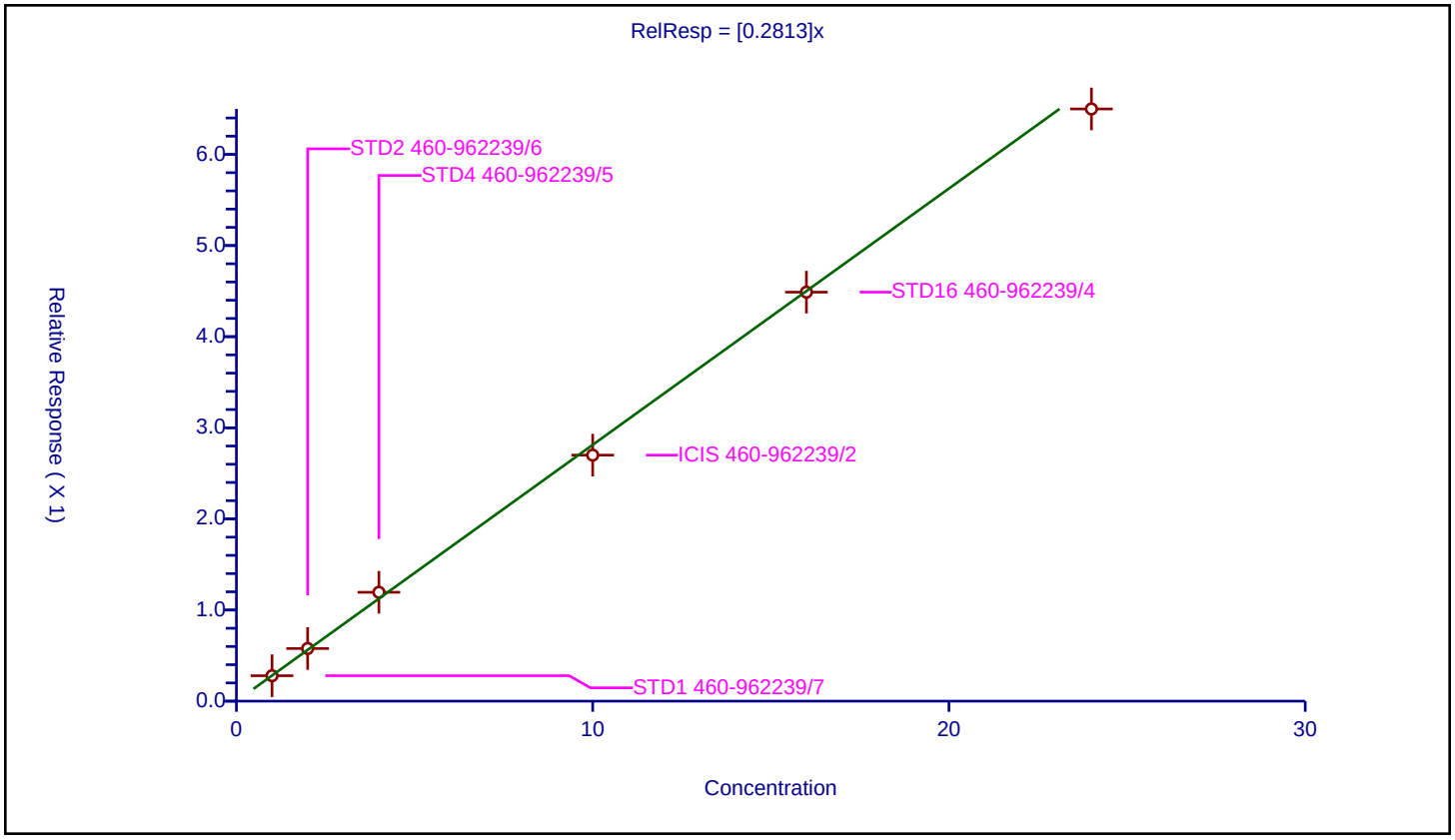
Curve Coefficients

Intercept:	0
Slope:	0.2813

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.278888	8.0	2922576.0	0.278888	Y
2	STD2 460-962239/6	2.0	0.577801	8.0	2216071.0	0.2889	Y
3	STD4 460-962239/5	4.0	1.194877	8.0	2073974.0	0.298719	Y
4	ICIS 460-962239/2	10.0	2.699934	8.0	2174053.0	0.269993	Y
5	STD16 460-962239/4	16.0	4.488458	8.0	1961611.0	0.280529	Y
6	STD24 460-962239/3	24.0	6.499261	8.0	2198021.0	0.270803	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

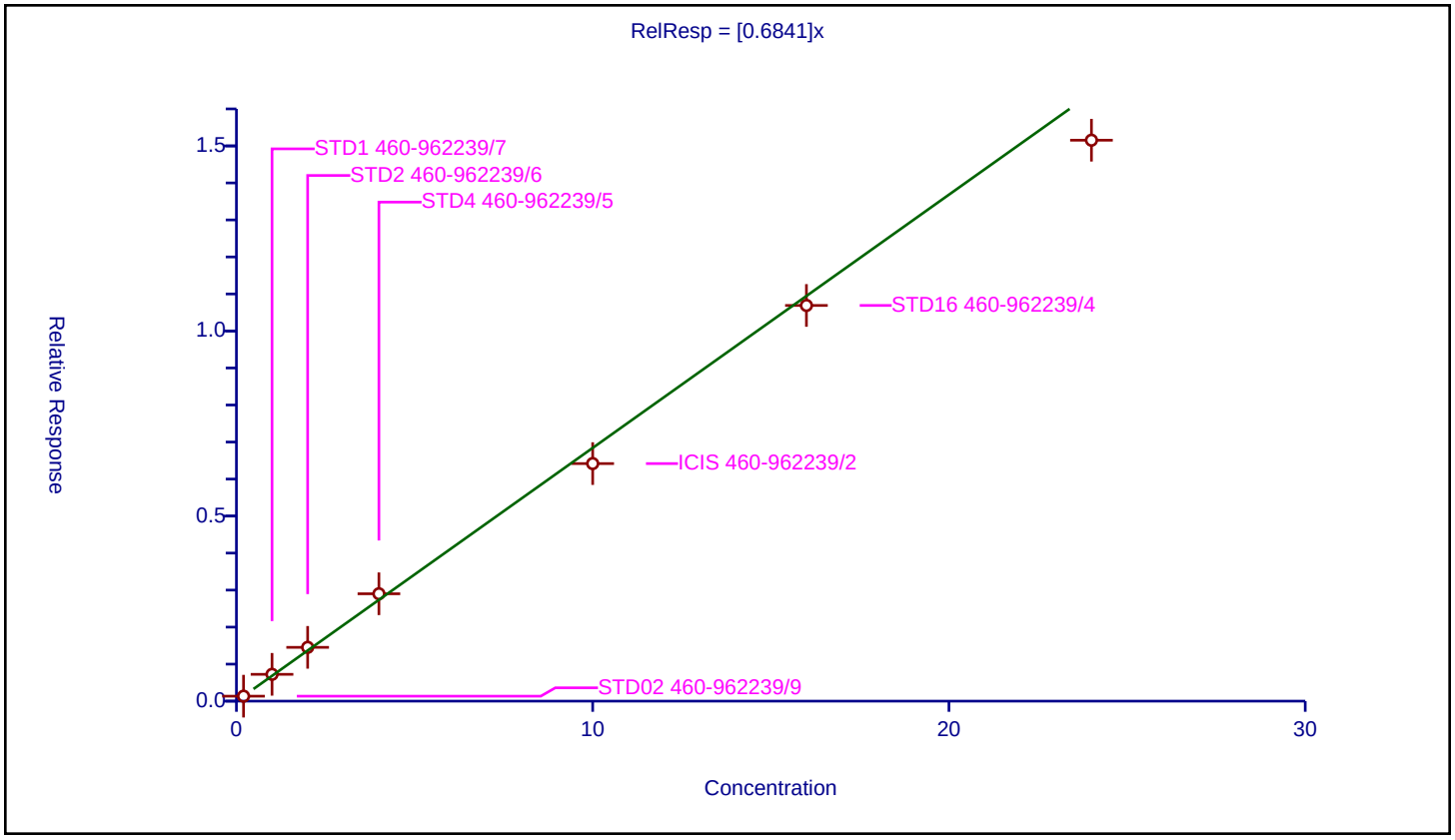
Curve Coefficients

Intercept:	0
Slope:	0.6841

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.134242	8.0	2128518.0	0.671209	Y
2	STD1 460-962239/7	1.0	0.724446	8.0	2922576.0	0.724446	Y
3	STD2 460-962239/6	2.0	1.453148	8.0	2216071.0	0.726574	Y
4	STD4 460-962239/5	4.0	2.901159	8.0	2073974.0	0.72529	Y
5	ICIS 460-962239/2	10.0	6.41814	8.0	2174053.0	0.641814	Y
6	STD16 460-962239/4	16.0	10.689854	8.0	1961611.0	0.668116	Y
7	STD24 460-962239/3	24.0	15.153974	8.0	2198021.0	0.631416	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

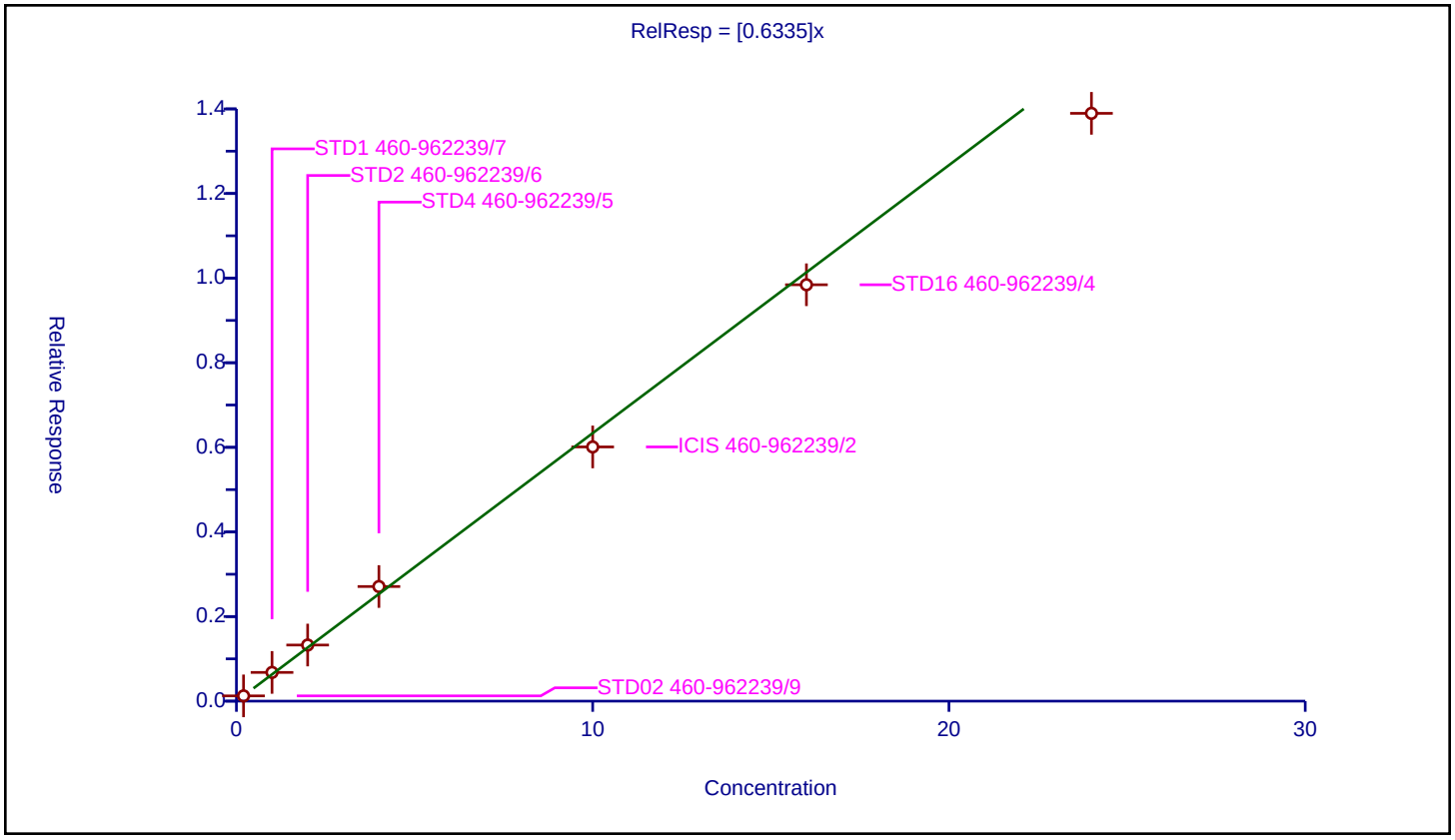
Curve Coefficients

Intercept:	0
Slope:	0.6335

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.124037	8.0	2128518.0	0.620187	Y
2	STD1 460-962239/7	1.0	0.678733	8.0	2922576.0	0.678733	Y
3	STD2 460-962239/6	2.0	1.326044	8.0	2216071.0	0.663022	Y
4	STD4 460-962239/5	4.0	2.709419	8.0	2073974.0	0.677355	Y
5	ICIS 460-962239/2	10.0	6.008976	8.0	2174053.0	0.600898	Y
6	STD16 460-962239/4	16.0	9.842869	8.0	1961611.0	0.615179	Y
7	STD24 460-962239/3	24.0	13.894604	8.0	2198021.0	0.578942	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

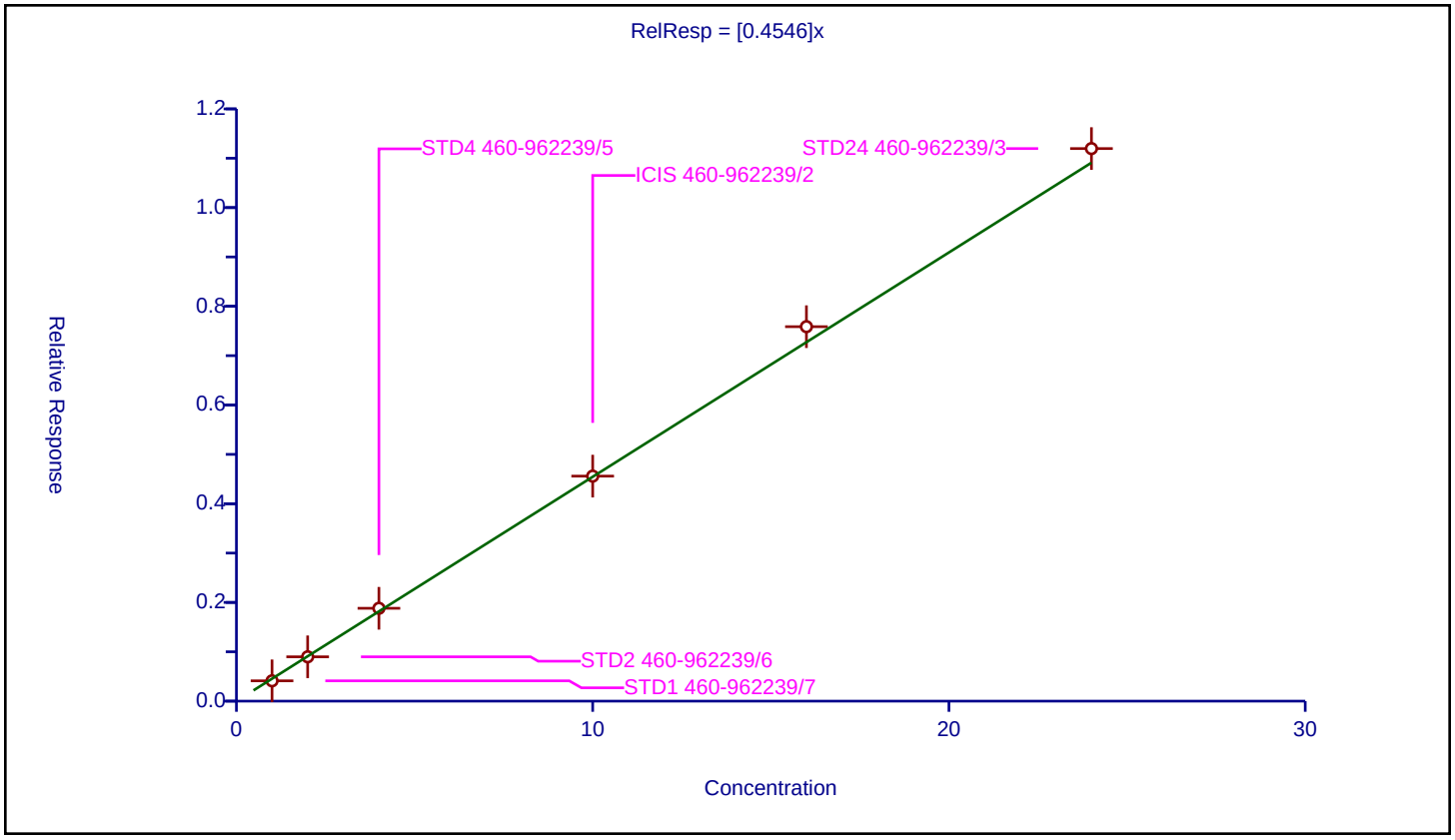
Curve Coefficients

Intercept:	0
Slope:	0.4546

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.411389	8.0	1493146.0	0.411389	Y
2	STD2 460-962239/6	2.0	0.898009	8.0	1092051.0	0.449005	Y
3	STD4 460-962239/5	4.0	1.881308	8.0	1021451.0	0.470327	Y
4	ICIS 460-962239/2	10.0	4.559119	8.0	1046862.0	0.455912	Y
5	STD16 460-962239/4	16.0	7.587332	8.0	911027.0	0.474208	Y
6	STD24 460-962239/3	24.0	11.195821	8.0	1031174.0	0.466493	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

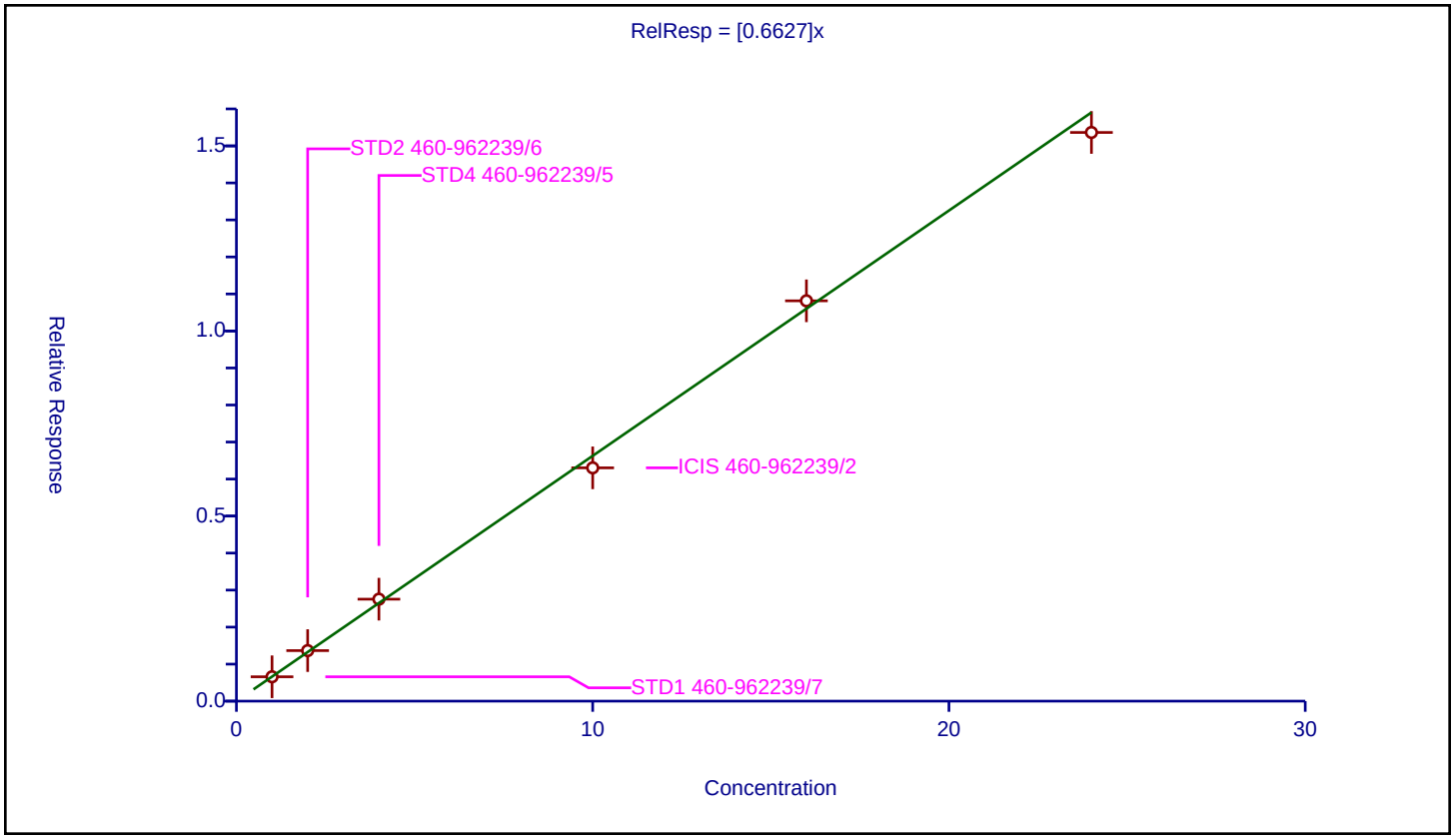
Curve Coefficients

Intercept:	0
Slope:	0.6627

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.658208	8.0	1493146.0	0.658208	Y
2	STD2 460-962239/6	2.0	1.365372	8.0	1092051.0	0.682686	Y
3	STD4 460-962239/5	4.0	2.754865	8.0	1021451.0	0.688716	Y
4	ICIS 460-962239/2	10.0	6.302814	8.0	1046862.0	0.630281	Y
5	STD16 460-962239/4	16.0	10.814705	8.0	911027.0	0.675919	Y
6	STD24 460-962239/3	24.0	15.363281	8.0	1031174.0	0.640137	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

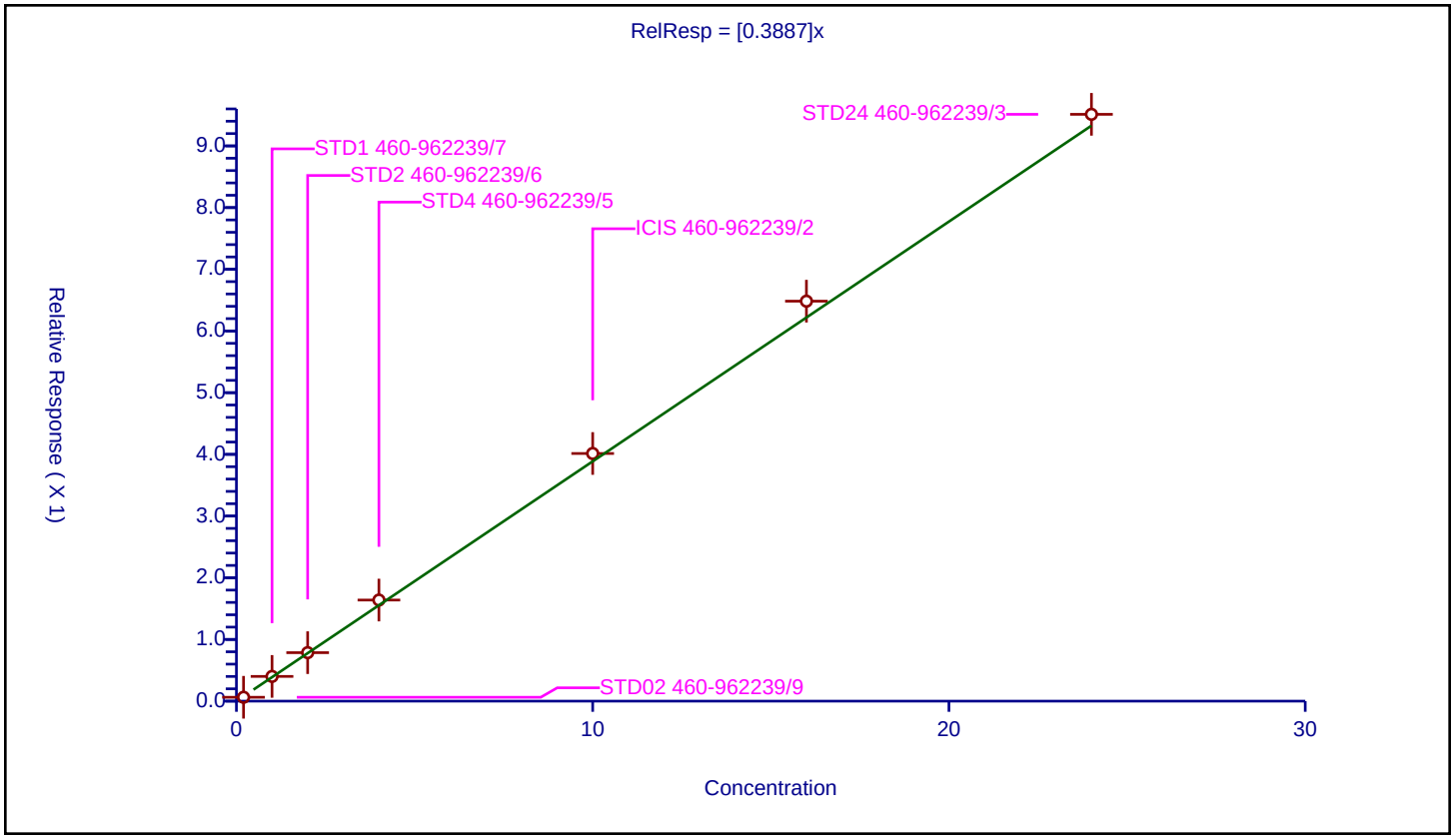
Curve Coefficients

Intercept:	0
Slope:	0.3887

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.062838	8.0	2128518.0	0.31419	Y
2	STD1 460-962239/7	1.0	0.400682	8.0	2922576.0	0.400682	Y
3	STD2 460-962239/6	2.0	0.786148	8.0	2216071.0	0.393074	Y
4	STD4 460-962239/5	4.0	1.638674	8.0	2073974.0	0.409669	Y
5	ICIS 460-962239/2	10.0	4.014574	8.0	2174053.0	0.401457	Y
6	STD16 460-962239/4	16.0	6.48334	8.0	1961611.0	0.405209	Y
7	STD24 460-962239/3	24.0	9.511844	8.0	2198021.0	0.396327	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

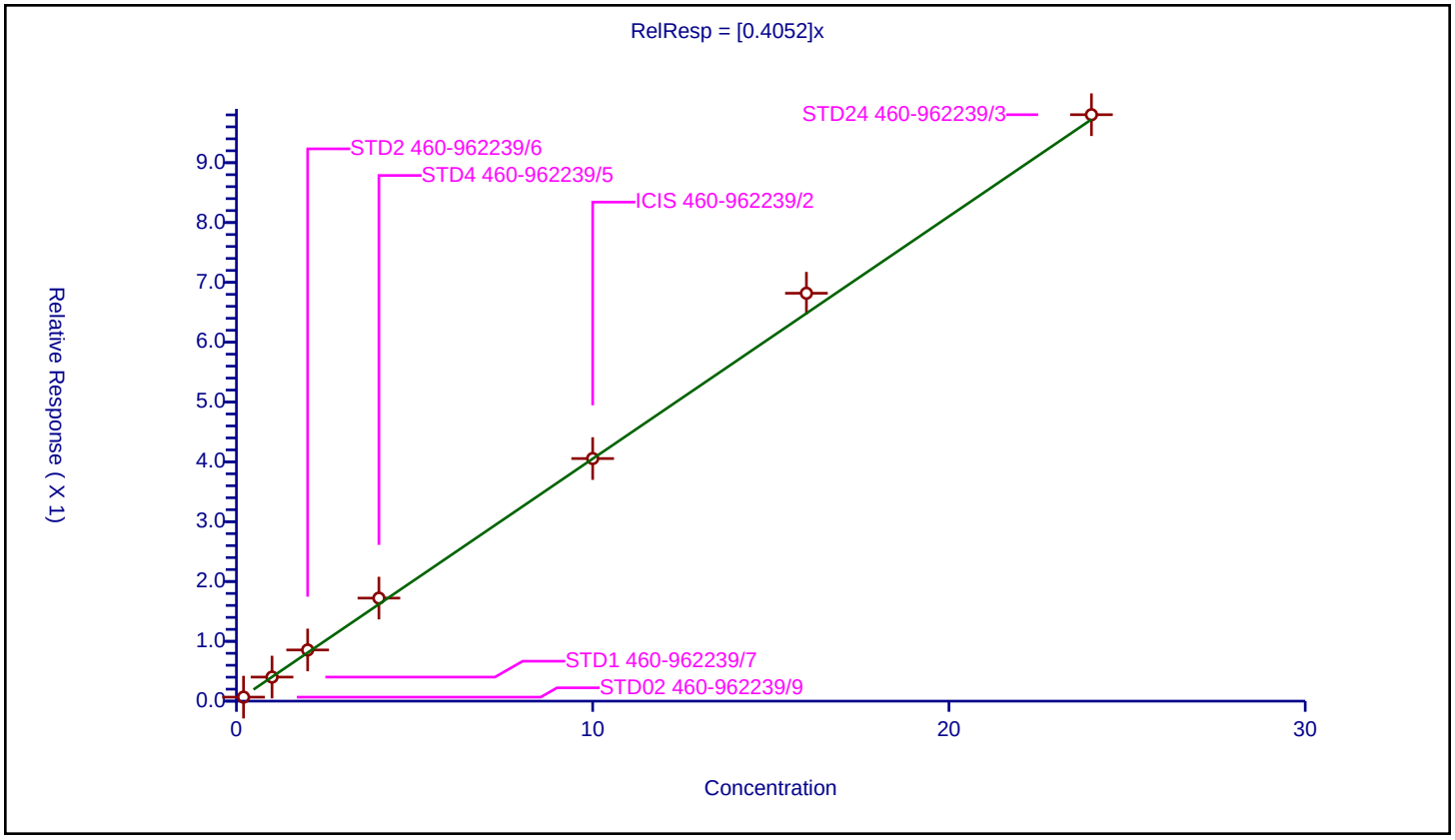
Curve Coefficients

Intercept:	0
Slope:	0.4052

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.067066	8.0	1069152.0	0.335331	Y
2	STD1 460-962239/7	1.0	0.402431	8.0	1493146.0	0.402431	Y
3	STD2 460-962239/6	2.0	0.855293	8.0	1092051.0	0.427647	Y
4	STD4 460-962239/5	4.0	1.722154	8.0	1021451.0	0.430539	Y
5	ICIS 460-962239/2	10.0	4.055251	8.0	1046862.0	0.405525	Y
6	STD16 460-962239/4	16.0	6.818547	8.0	911027.0	0.426159	Y
7	STD24 460-962239/3	24.0	9.802784	8.0	1031174.0	0.408449	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

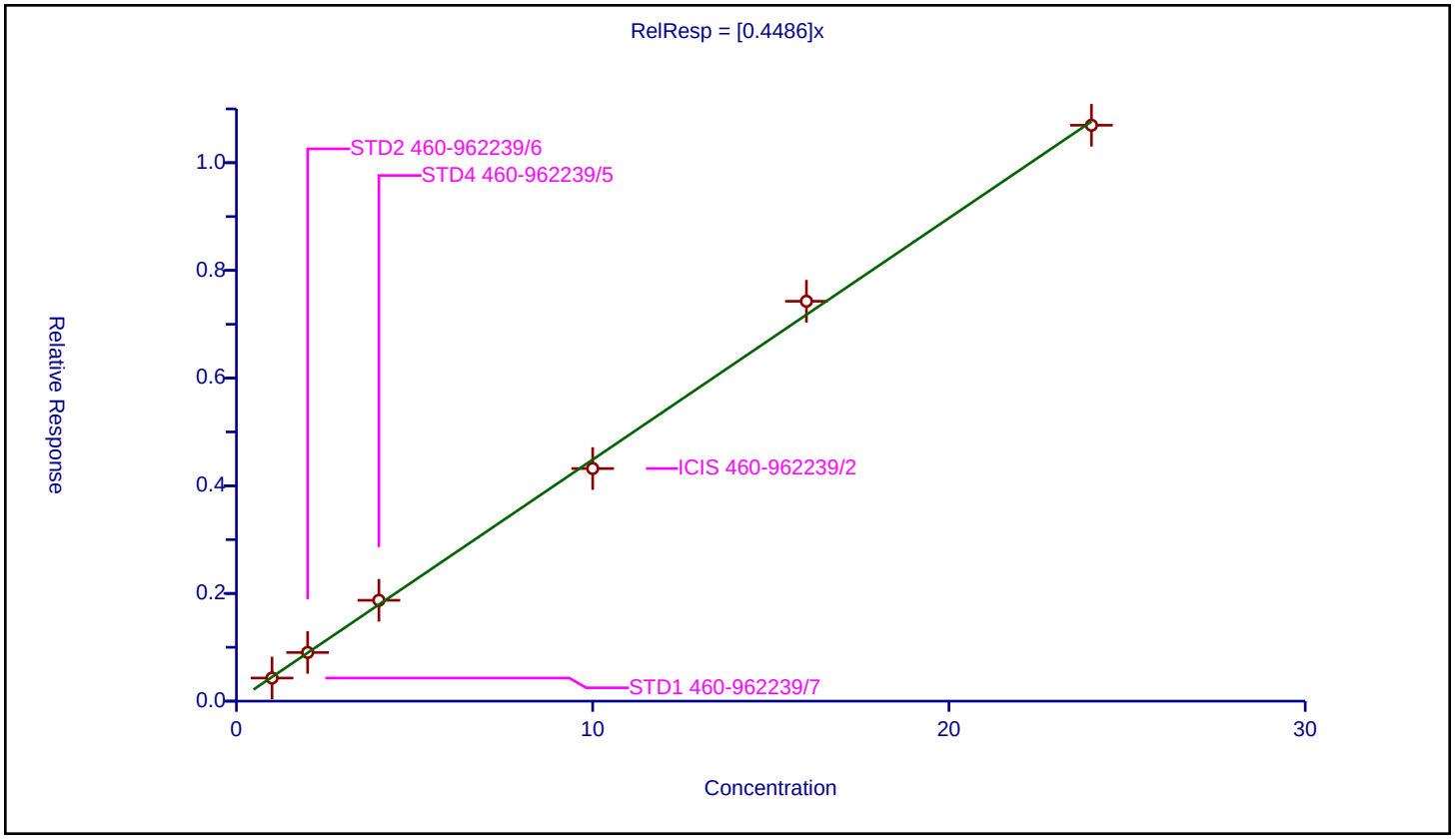
Curve Coefficients

Intercept:	0
Slope:	0.4486

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.42929	8.0	1493146.0	0.42929	Y
2	STD2 460-962239/6	2.0	0.90395	8.0	1092051.0	0.451975	Y
3	STD4 460-962239/5	4.0	1.872936	8.0	1021451.0	0.468234	Y
4	ICIS 460-962239/2	10.0	4.320432	8.0	1046862.0	0.432043	Y
5	STD16 460-962239/4	16.0	7.42724	8.0	911027.0	0.464202	Y
6	STD24 460-962239/3	24.0	10.696336	8.0	1031174.0	0.445681	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

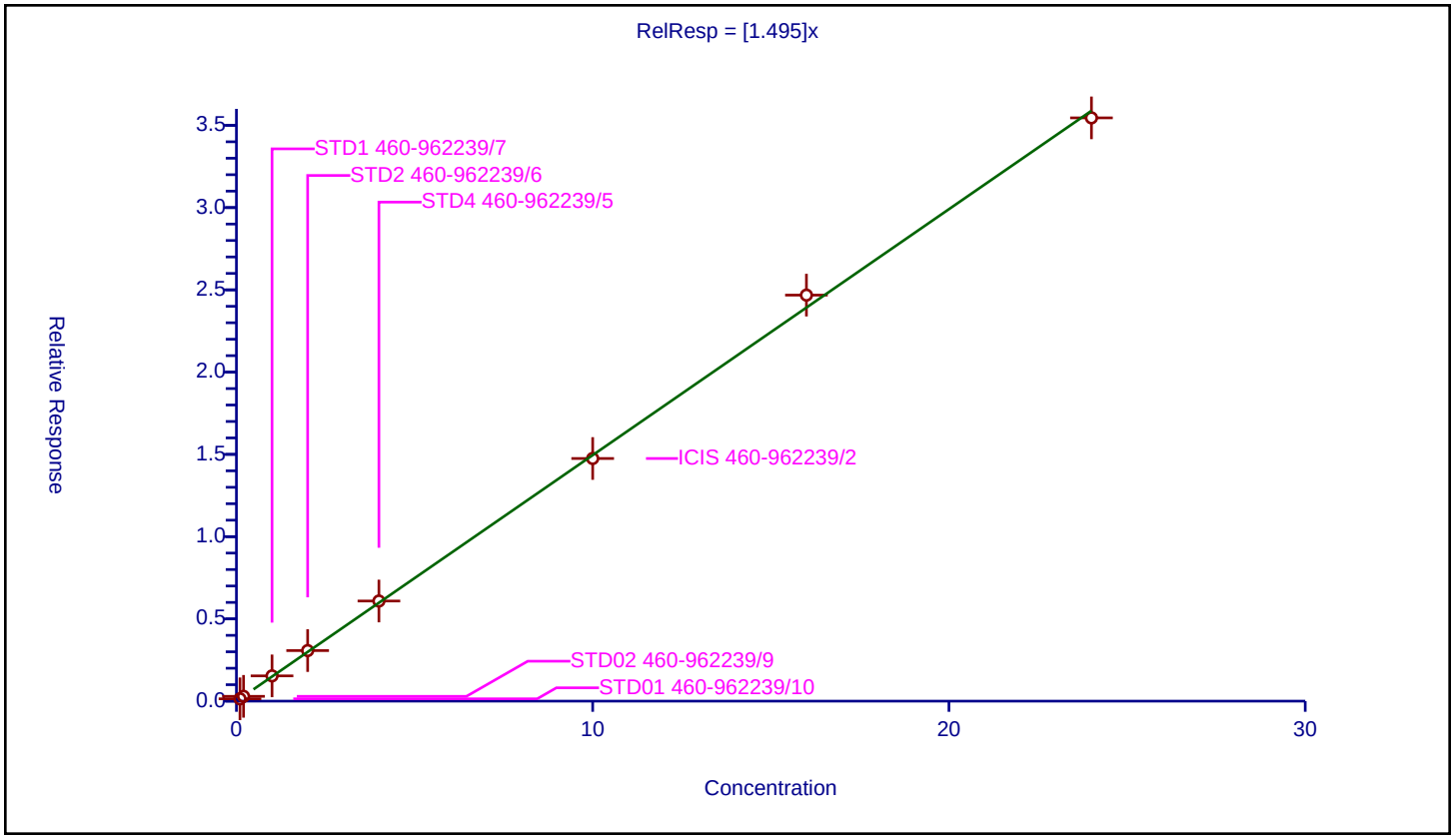
Curve Coefficients

Intercept:	0
Slope:	1.495

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.141044	8.0	1036101.0	1.410442	Y
2	STD02 460-962239/9	0.2	0.292366	8.0	1069152.0	1.461831	Y
3	STD1 460-962239/7	1.0	1.535989	8.0	1493146.0	1.535989	Y
4	STD2 460-962239/6	2.0	3.073336	8.0	1092051.0	1.536668	Y
5	STD4 460-962239/5	4.0	6.086855	8.0	1021451.0	1.521714	Y
6	ICIS 460-962239/2	10.0	14.7502	8.0	1046862.0	1.47502	Y
7	STD16 460-962239/4	16.0	24.680919	8.0	911027.0	1.542557	Y
8	STD24 460-962239/3	24.0	35.454408	8.0	1031174.0	1.477267	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

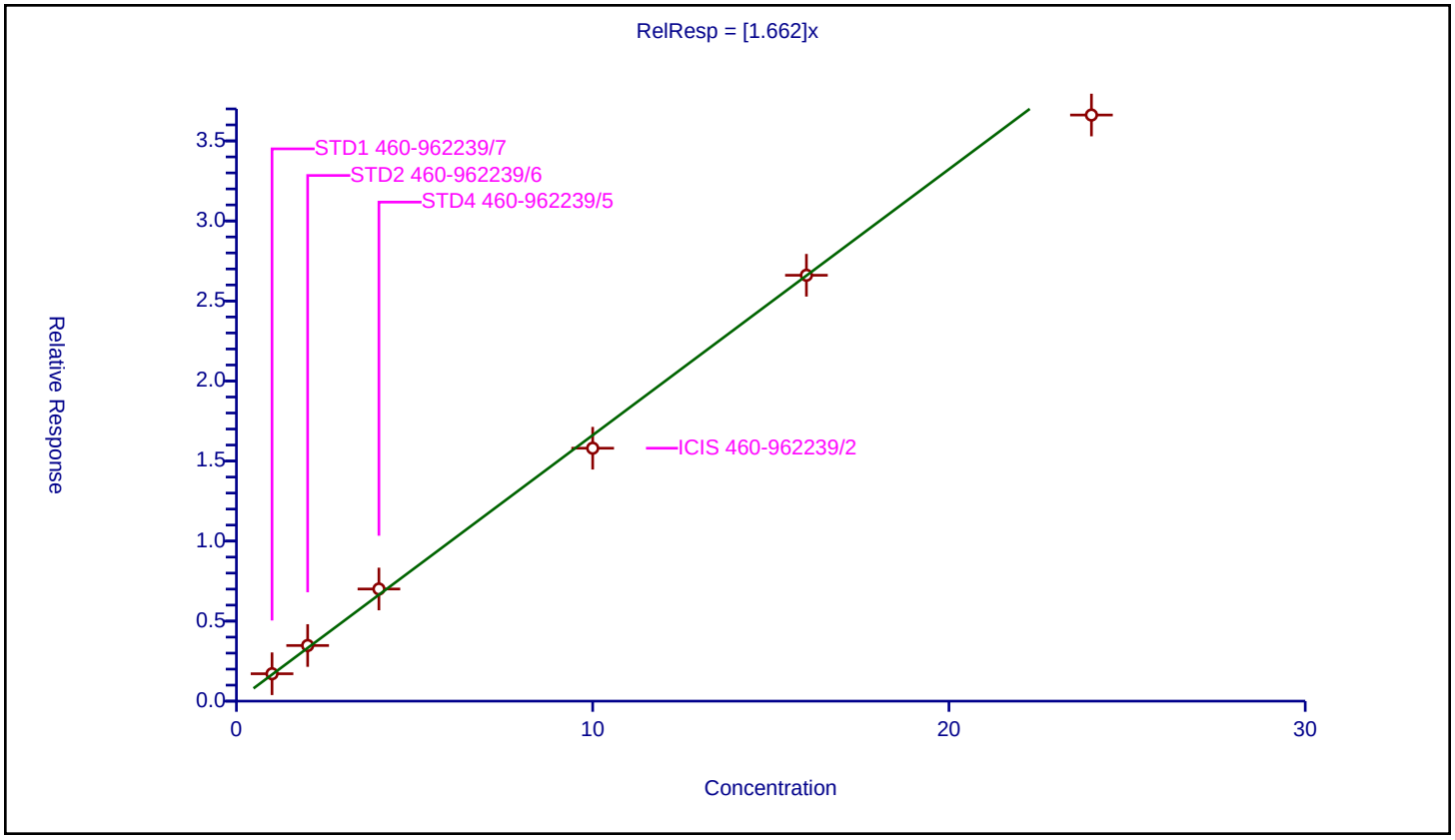
Curve Coefficients

Intercept:	0
Slope:	1.662

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.711131	8.0	1493146.0	1.711131	Y
2	STD2 460-962239/6	2.0	3.475318	8.0	1092051.0	1.737659	Y
3	STD4 460-962239/5	4.0	7.006754	8.0	1021451.0	1.751689	Y
4	ICIS 460-962239/2	10.0	15.801021	8.0	1046862.0	1.580102	Y
5	STD16 460-962239/4	16.0	26.606526	8.0	911027.0	1.662908	Y
6	STD24 460-962239/3	24.0	36.616765	8.0	1031174.0	1.525699	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

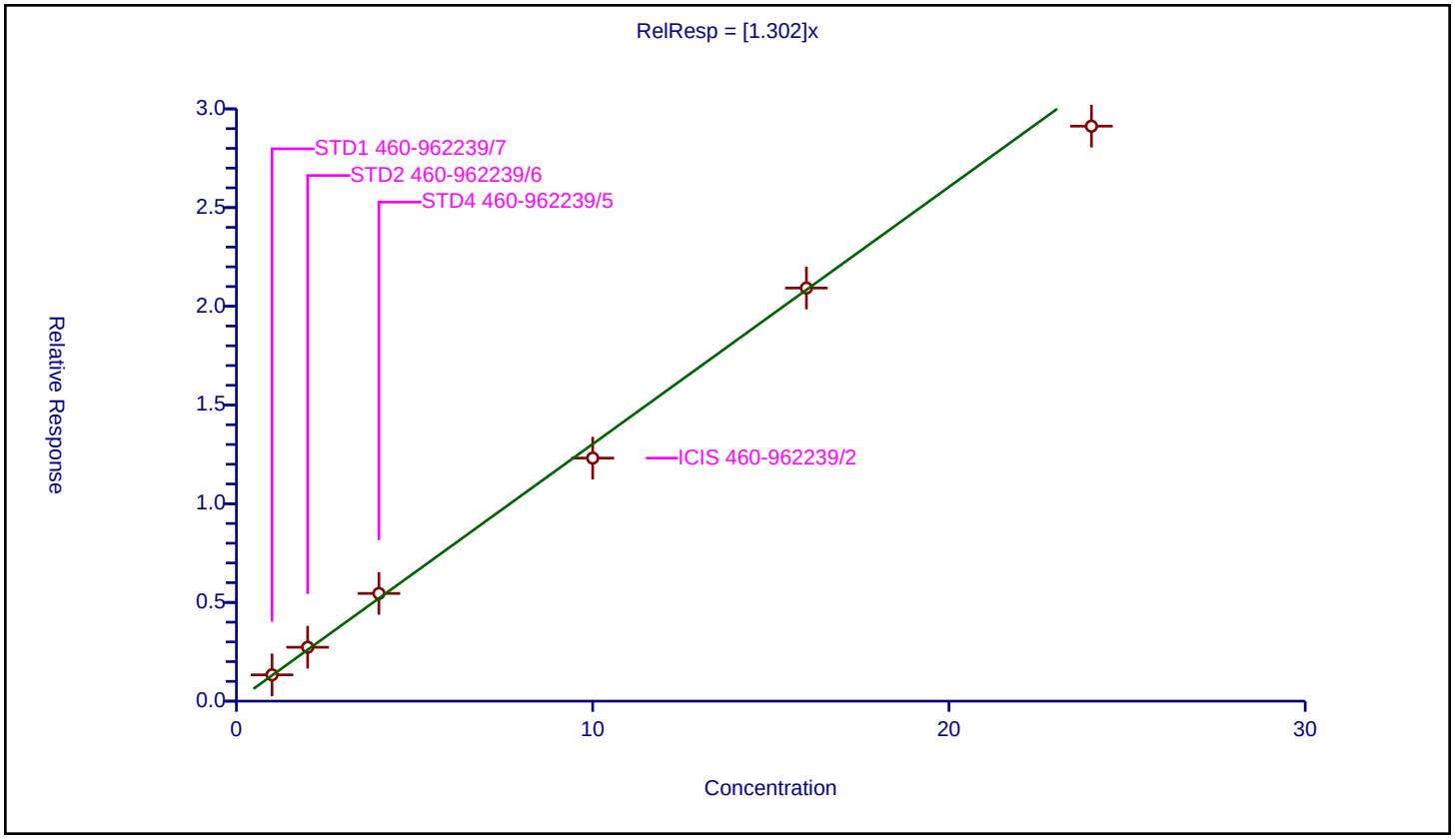
Curve Coefficients

Intercept:	0
Slope:	1.302

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.332435	8.0	1493146.0	1.332435	Y
2	STD2 460-962239/6	2.0	2.729374	8.0	1092051.0	1.364687	Y
3	STD4 460-962239/5	4.0	5.455541	8.0	1021451.0	1.363885	Y
4	ICIS 460-962239/2	10.0	12.31091	8.0	1046862.0	1.231091	Y
5	STD16 460-962239/4	16.0	20.925316	8.0	911027.0	1.307832	Y
6	STD24 460-962239/3	24.0	29.123845	8.0	1031174.0	1.213494	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

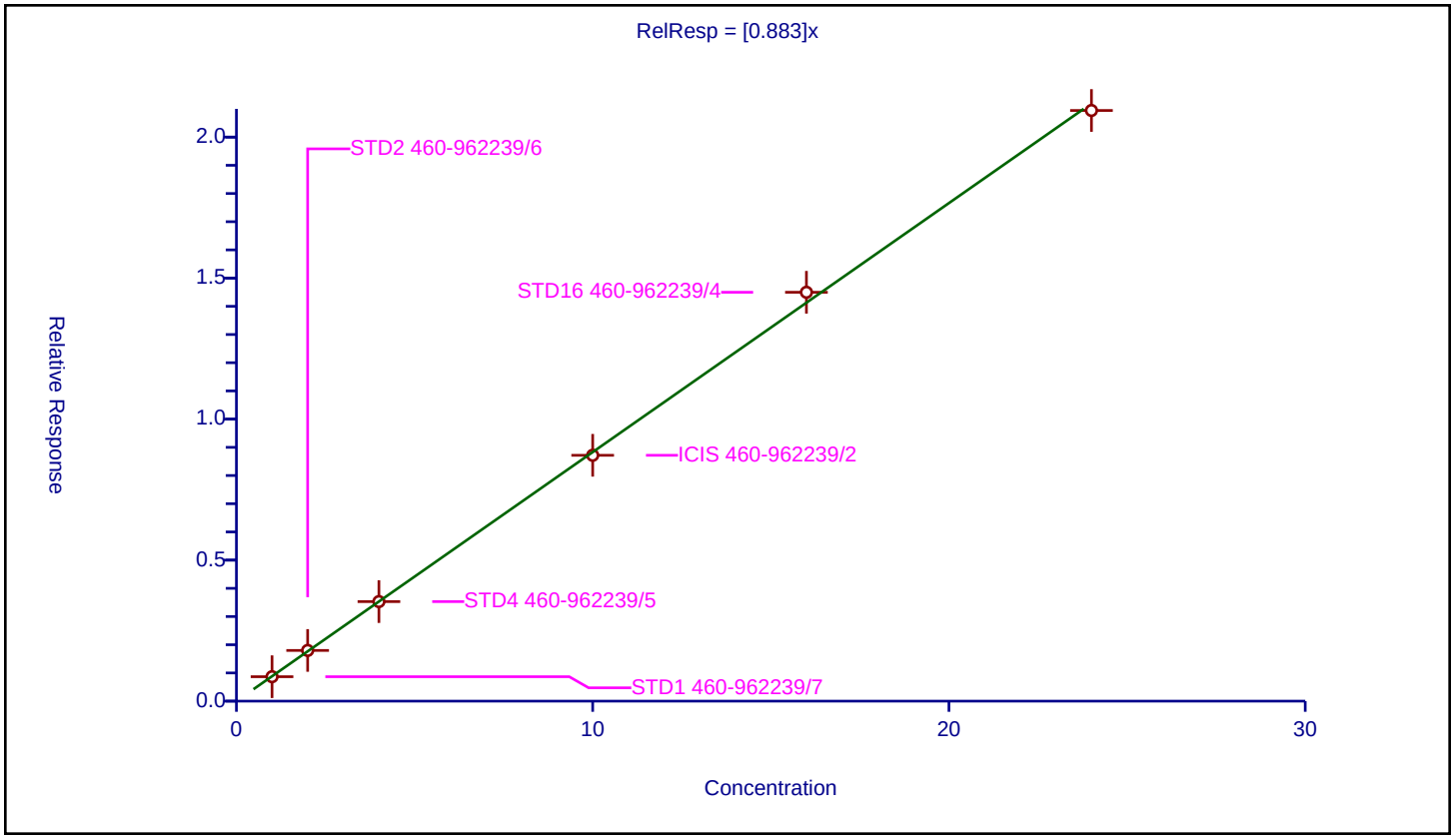
Curve Coefficients

Intercept:	0
Slope:	0.883

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.866032	8.0	1493146.0	0.866032	Y
2	STD2 460-962239/6	2.0	1.797975	8.0	1092051.0	0.898987	Y
3	STD4 460-962239/5	4.0	3.530131	8.0	1021451.0	0.882533	Y
4	ICIS 460-962239/2	10.0	8.717298	8.0	1046862.0	0.87173	Y
5	STD16 460-962239/4	16.0	14.49759	8.0	911027.0	0.906099	Y
6	STD24 460-962239/3	24.0	20.943538	8.0	1031174.0	0.872647	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

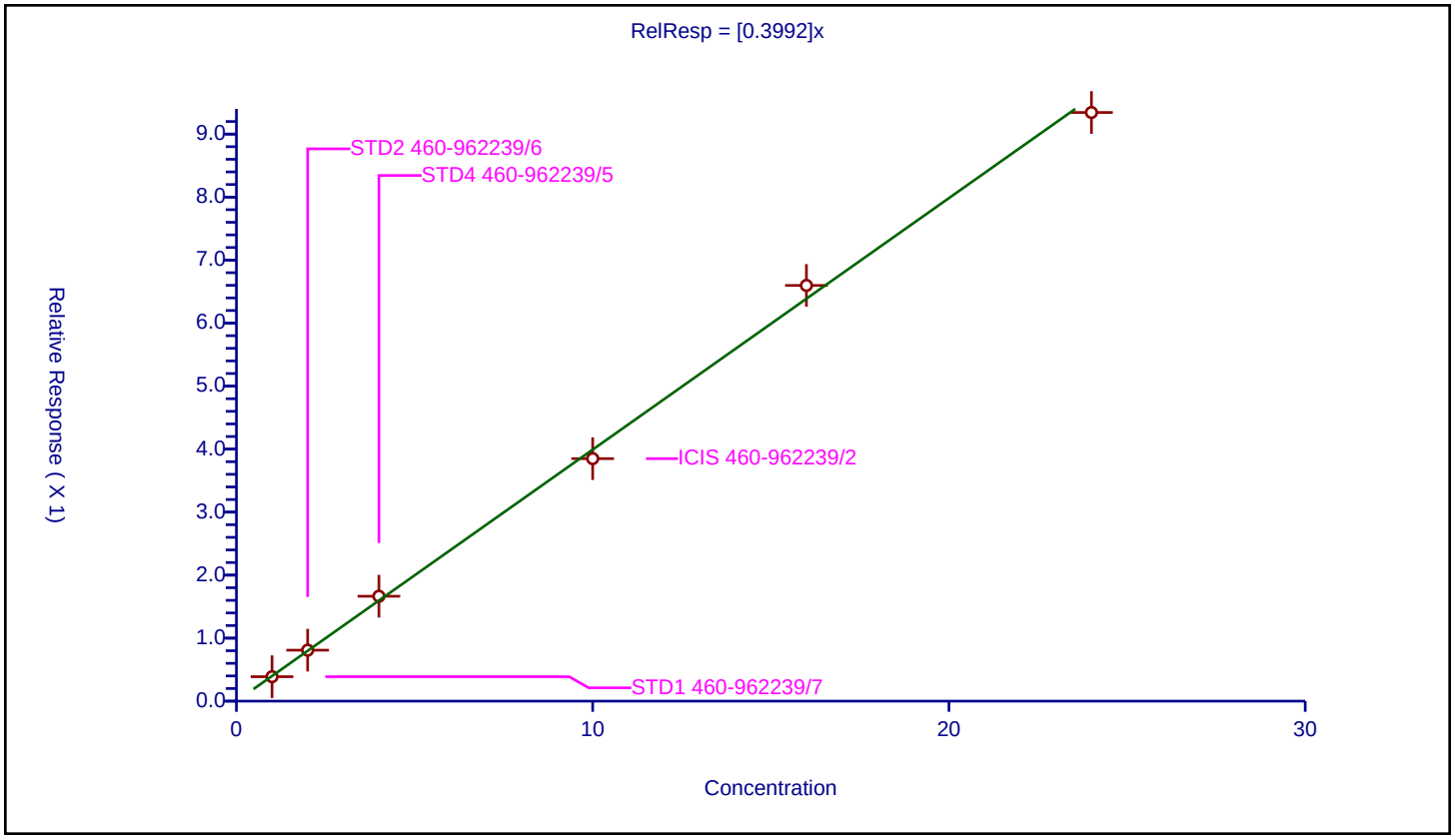
Curve Coefficients

Intercept:	0
Slope:	0.3992

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.387917	8.0	1493146.0	0.387917	Y
2	STD2 460-962239/6	2.0	0.809054	8.0	1092051.0	0.404527	Y
3	STD4 460-962239/5	4.0	1.664808	8.0	1021451.0	0.416202	Y
4	ICIS 460-962239/2	10.0	3.849302	8.0	1046862.0	0.38493	Y
5	STD16 460-962239/4	16.0	6.597741	8.0	911027.0	0.412359	Y
6	STD24 460-962239/3	24.0	9.343114	8.0	1031174.0	0.389296	Y



Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

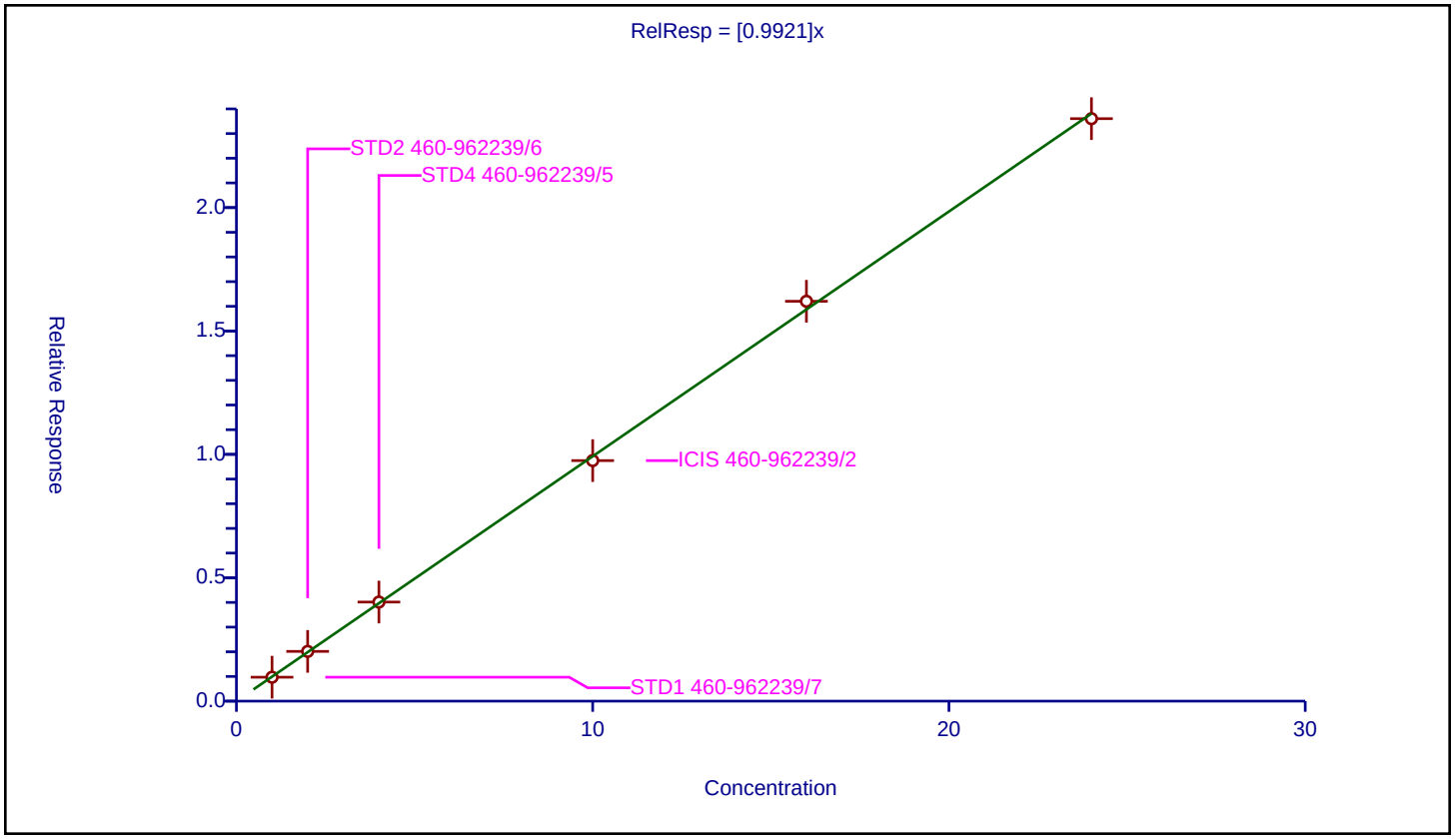
Curve Coefficients

Intercept:	0
Slope:	0.9921

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.969556	8.0	1493146.0	0.969556	Y
2	STD2 460-962239/6	2.0	2.01595	8.0	1092051.0	1.007975	Y
3	STD4 460-962239/5	4.0	4.015292	8.0	1021451.0	1.003823	Y
4	ICIS 460-962239/2	10.0	9.747424	8.0	1046862.0	0.974742	Y
5	STD16 460-962239/4	16.0	16.204683	8.0	911027.0	1.012793	Y
6	STD24 460-962239/3	24.0	23.604381	8.0	1031174.0	0.983516	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

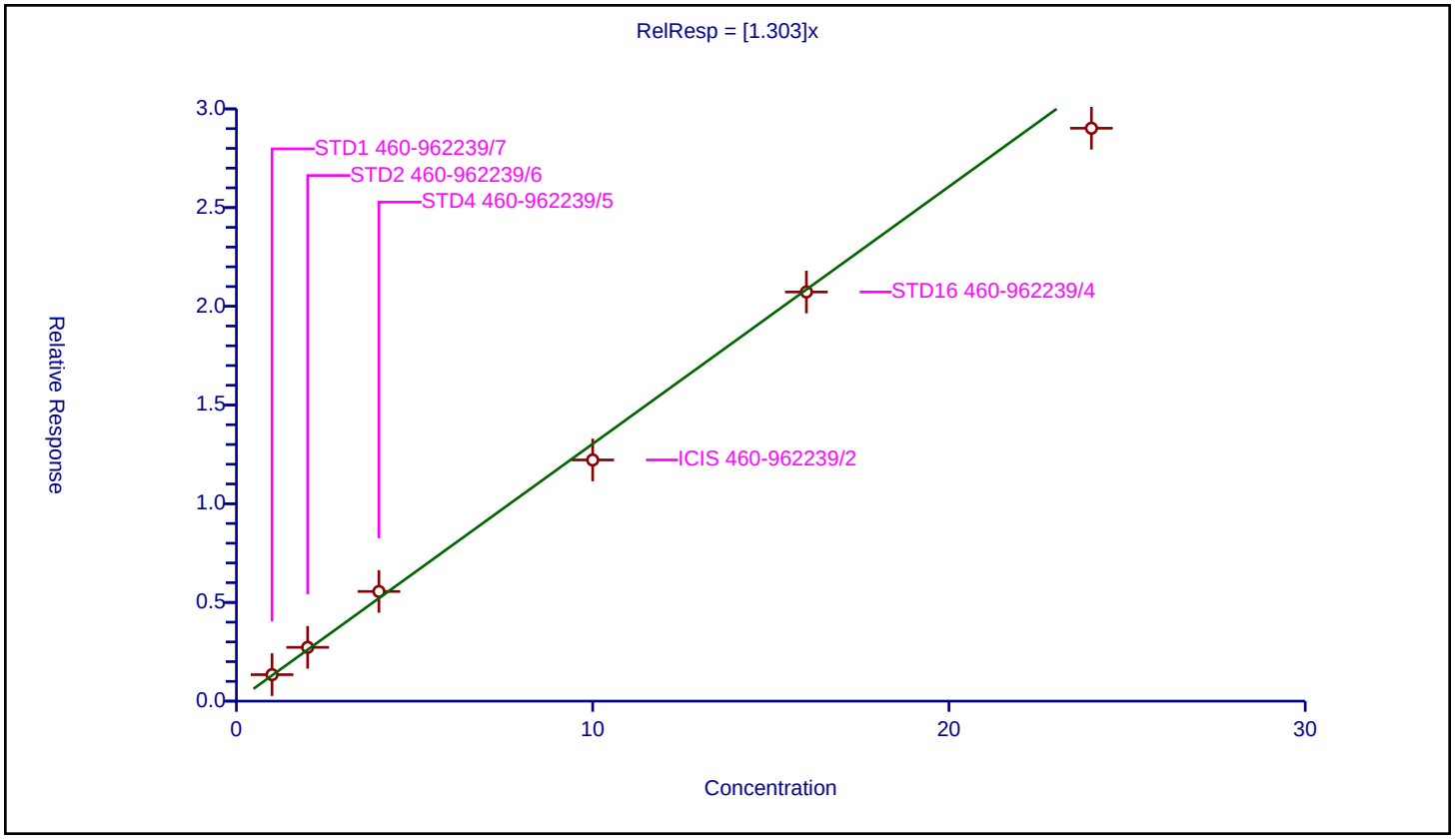
Curve Coefficients

Intercept:	0
Slope:	1.303

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.341441	8.0	1493146.0	1.341441	Y
2	STD2 460-962239/6	2.0	2.724224	8.0	1092051.0	1.362112	Y
3	STD4 460-962239/5	4.0	5.555454	8.0	1021451.0	1.388863	Y
4	ICIS 460-962239/2	10.0	12.217098	8.0	1046862.0	1.22171	Y
5	STD16 460-962239/4	16.0	20.726042	8.0	911027.0	1.295378	Y
6	STD24 460-962239/3	24.0	29.020988	8.0	1031174.0	1.209208	Y



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

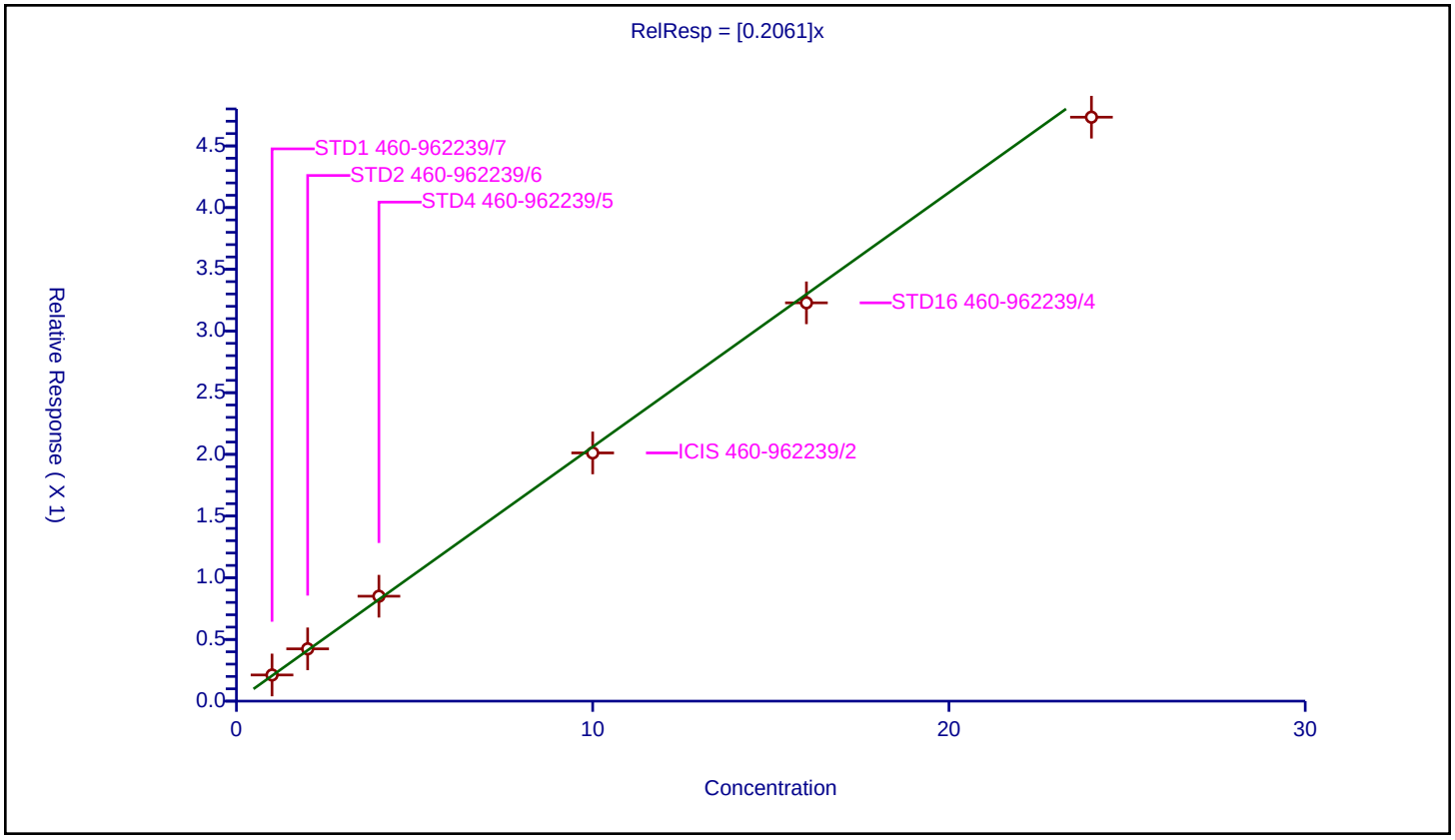
Curve Coefficients

Intercept:	0
Slope:	0.2061

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.21207	8.0	2922576.0	0.21207	Y
2	STD2 460-962239/6	2.0	0.423791	8.0	2216071.0	0.211896	Y
3	STD4 460-962239/5	4.0	0.850283	8.0	2073974.0	0.212571	Y
4	ICIS 460-962239/2	10.0	2.011693	8.0	2174053.0	0.201169	Y
5	STD16 460-962239/4	16.0	3.228416	8.0	1961611.0	0.201776	Y
6	STD24 460-962239/3	24.0	4.732861	8.0	2198021.0	0.197203	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

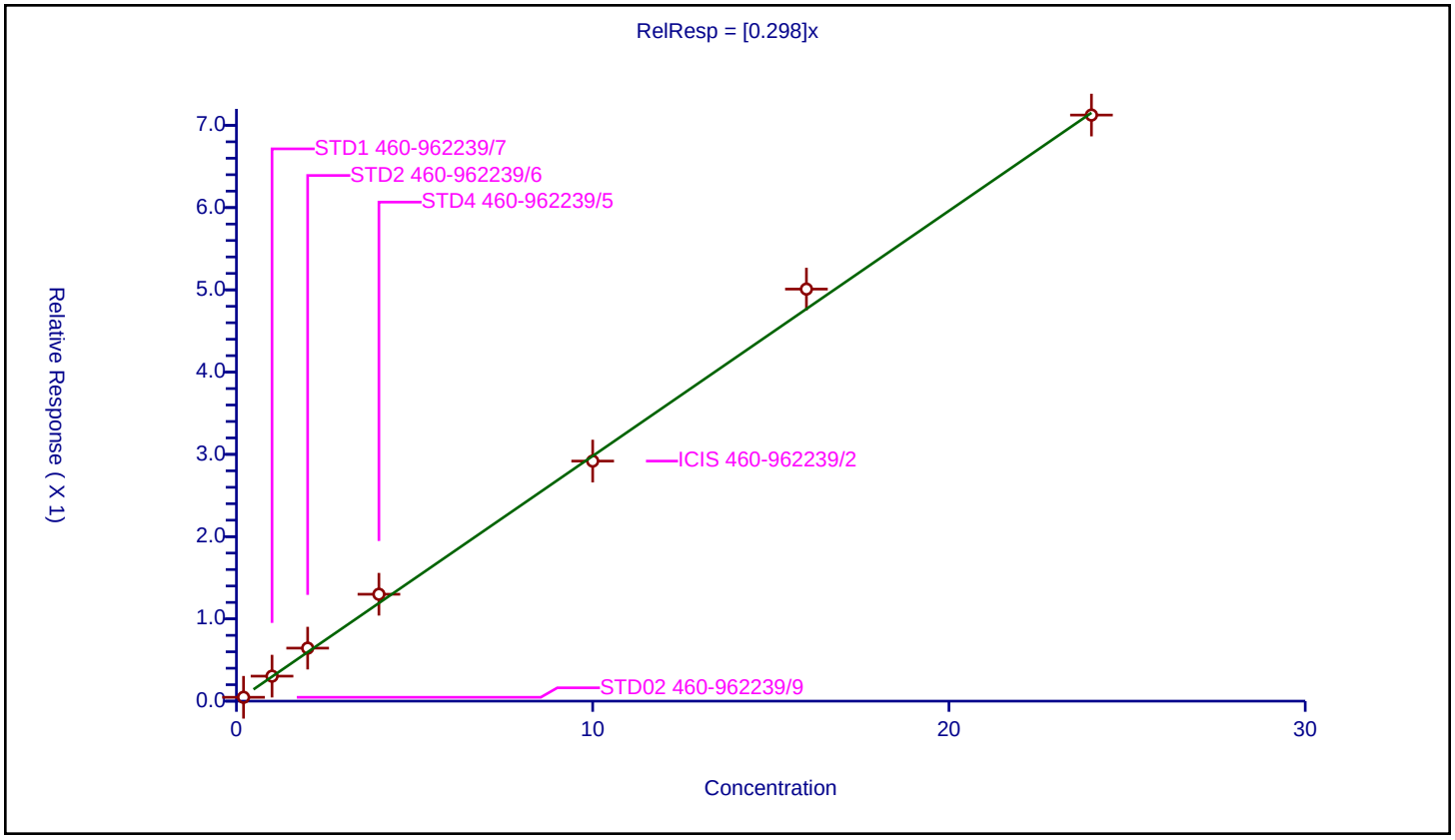
Curve Coefficients

Intercept:	0
Slope:	0.298

Error Coefficients

Relative Standard Deviation:	10.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.046669	8.0	1069152.0	0.233344	Y
2	STD1 460-962239/7	1.0	0.303799	8.0	1493146.0	0.303799	Y
3	STD2 460-962239/6	2.0	0.644578	8.0	1092051.0	0.322289	Y
4	STD4 460-962239/5	4.0	1.299641	8.0	1021451.0	0.32491	Y
5	ICIS 460-962239/2	10.0	2.918528	8.0	1046862.0	0.291853	Y
6	STD16 460-962239/4	16.0	5.009257	8.0	911027.0	0.313079	Y
7	STD24 460-962239/3	24.0	7.125362	8.0	1031174.0	0.29689	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

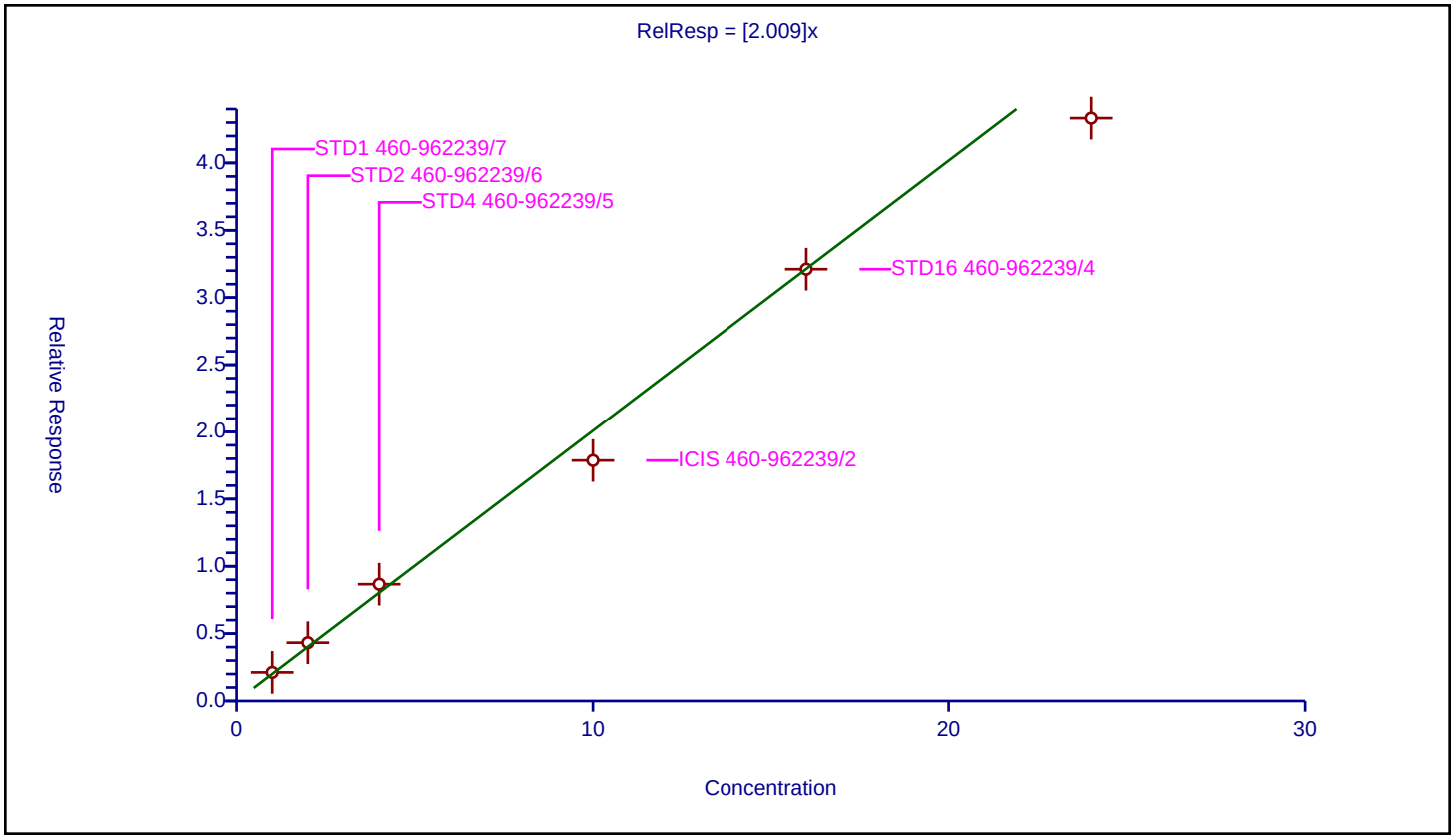
Curve Coefficients

Intercept:	0
Slope:	2.009

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	2.121572	8.0	1493146.0	2.121572	Y
2	STD2 460-962239/6	2.0	4.32697	8.0	1092051.0	2.163485	Y
3	STD4 460-962239/5	4.0	8.668531	8.0	1021451.0	2.167133	Y
4	ICIS 460-962239/2	10.0	17.871834	8.0	1046862.0	1.787183	Y
5	STD16 460-962239/4	16.0	32.113437	8.0	911027.0	2.00709	Y
6	STD24 460-962239/3	24.0	43.327547	8.0	1031174.0	1.805314	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

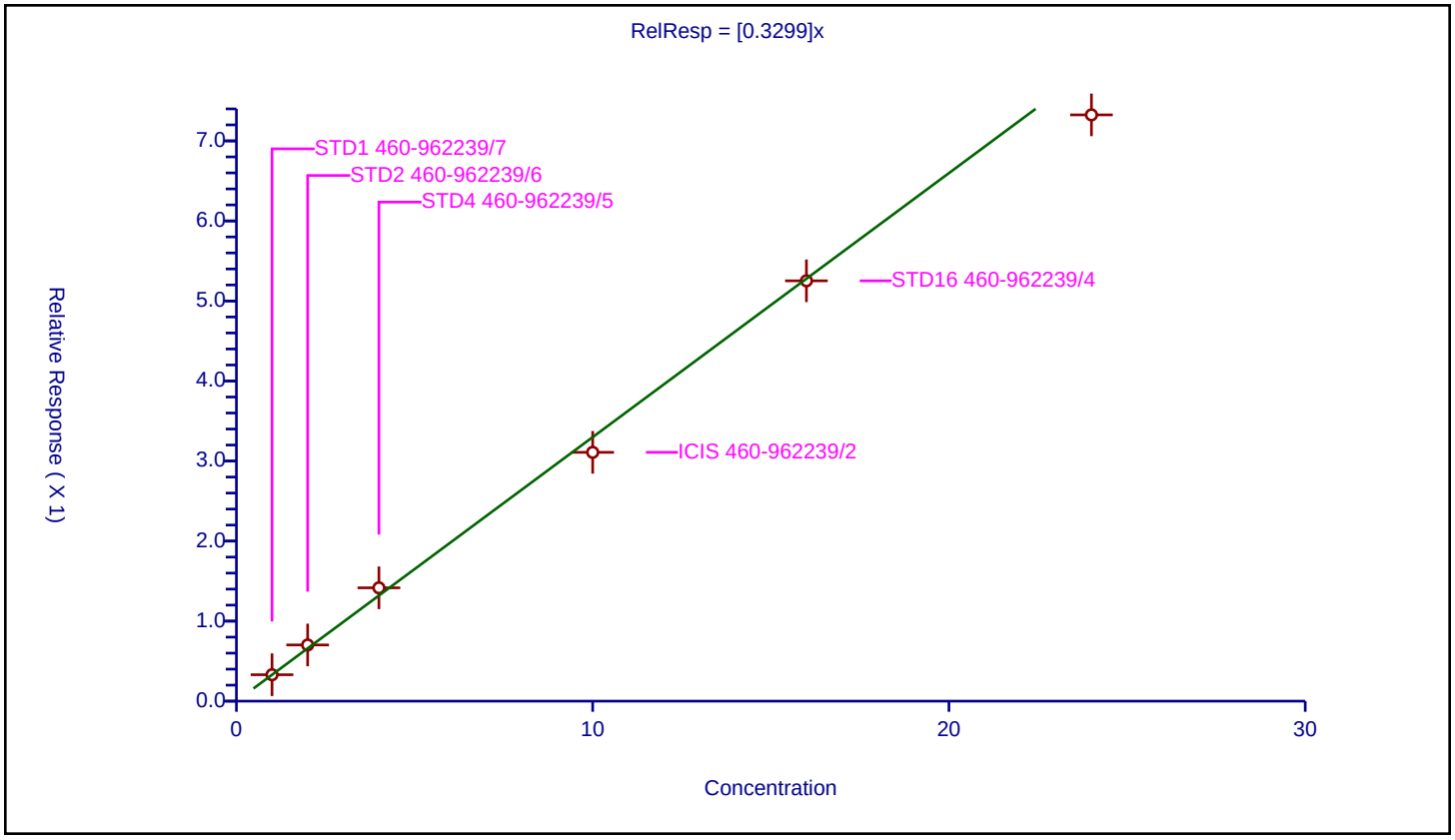
Curve Coefficients

Intercept:	0
Slope:	0.3299

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.329982	8.0	1493146.0	0.329982	Y
2	STD2 460-962239/6	2.0	0.701931	8.0	1092051.0	0.350965	Y
3	STD4 460-962239/5	4.0	1.416001	8.0	1021451.0	0.354	Y
4	ICIS 460-962239/2	10.0	3.10862	8.0	1046862.0	0.310862	Y
5	STD16 460-962239/4	16.0	5.251919	8.0	911027.0	0.328245	Y
6	STD24 460-962239/3	24.0	7.325282	8.0	1031174.0	0.30522	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

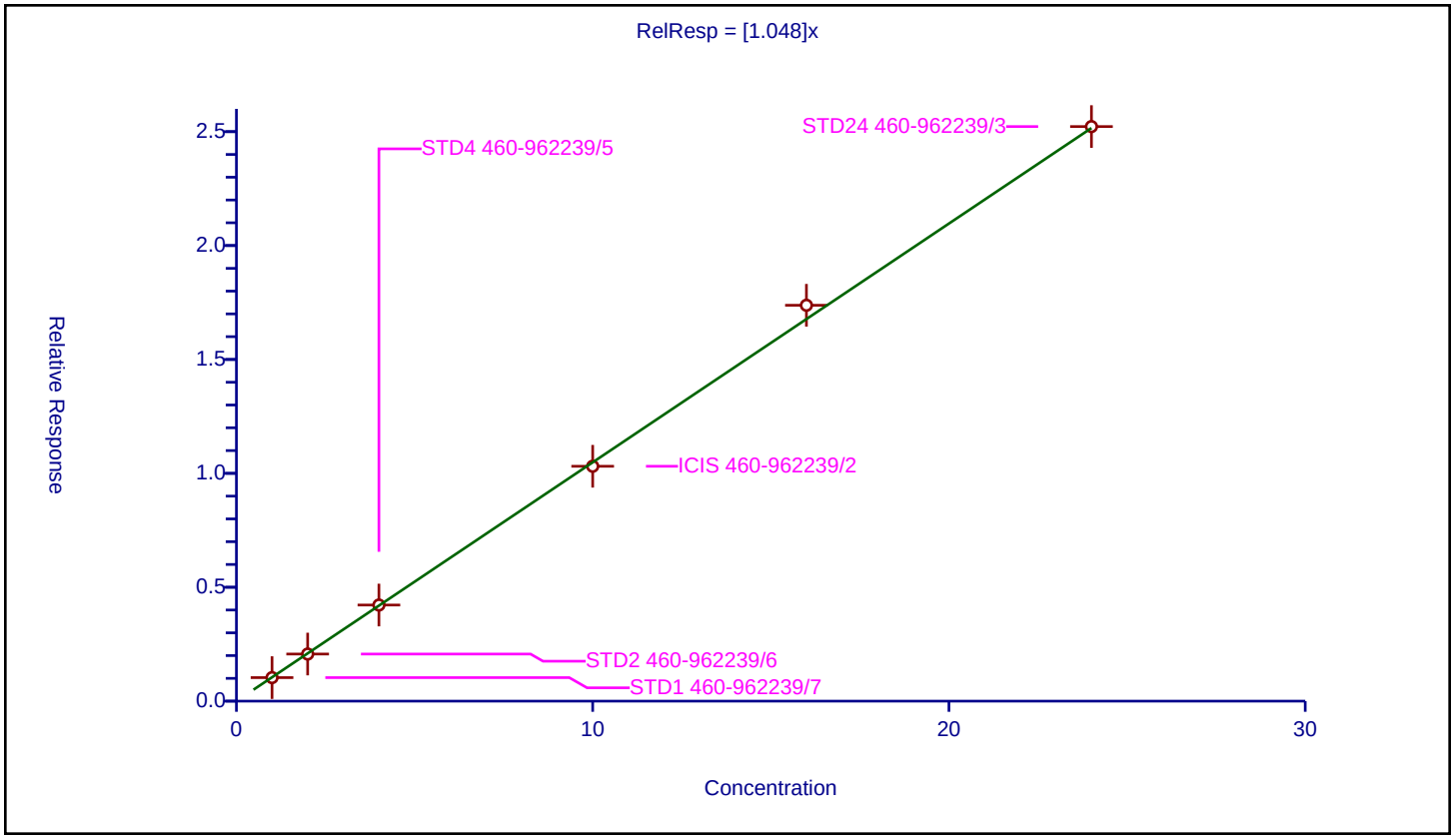
Curve Coefficients

Intercept:	0
Slope:	1.048

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.032815	8.0	1493146.0	1.032815	Y
2	STD2 460-962239/6	2.0	2.067742	8.0	1092051.0	1.033871	Y
3	STD4 460-962239/5	4.0	4.218994	8.0	1021451.0	1.054749	Y
4	ICIS 460-962239/2	10.0	10.311097	8.0	1046862.0	1.03111	Y
5	STD16 460-962239/4	16.0	17.378717	8.0	911027.0	1.08617	Y
6	STD24 460-962239/3	24.0	25.22384	8.0	1031174.0	1.050993	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

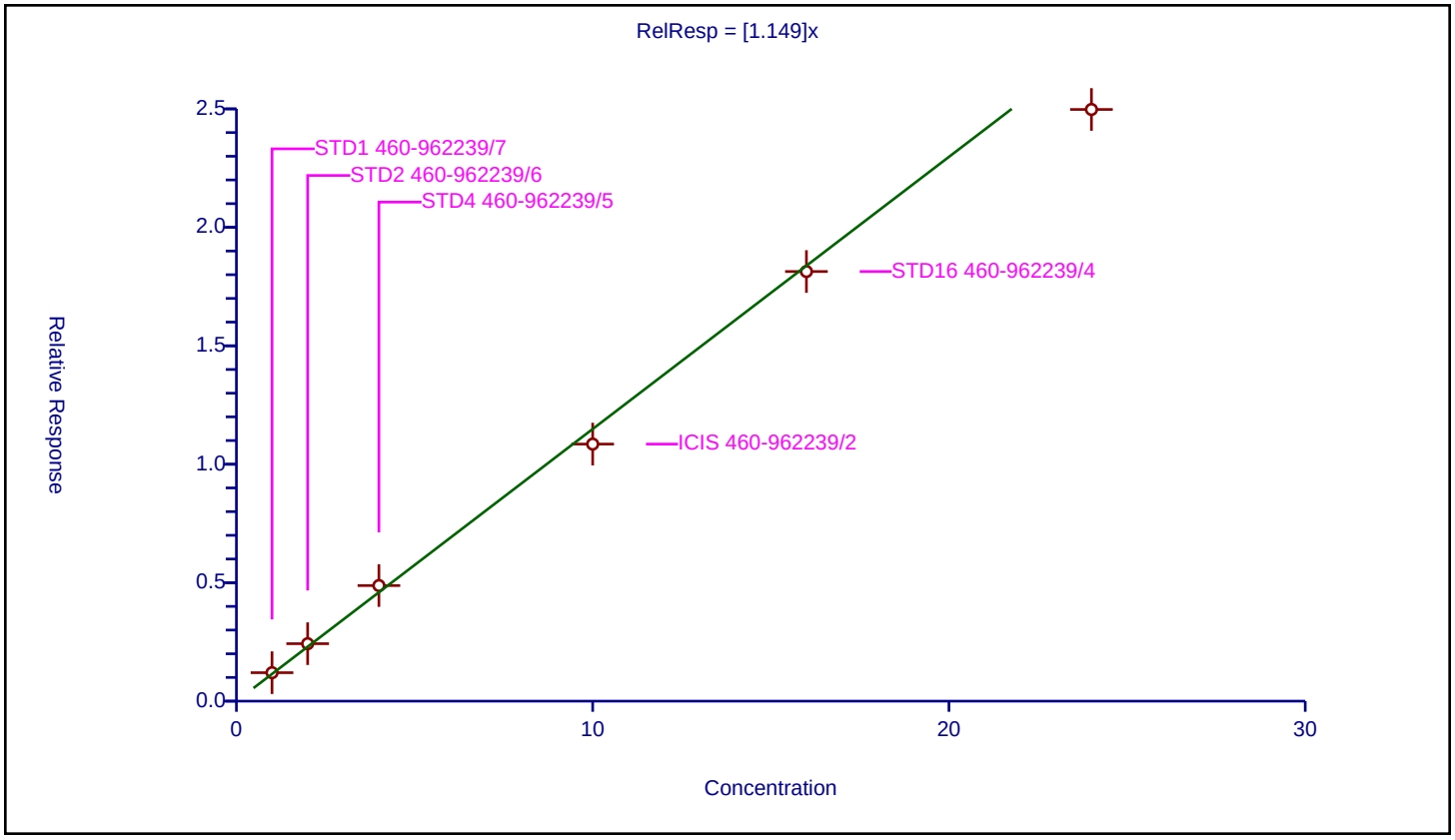
Curve Coefficients

Intercept:	0
Slope:	1.149

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.200842	8.0	1493146.0	1.200842	Y
2	STD2 460-962239/6	2.0	2.425154	8.0	1092051.0	1.212577	Y
3	STD4 460-962239/5	4.0	4.878754	8.0	1021451.0	1.219688	Y
4	ICIS 460-962239/2	10.0	10.850553	8.0	1046862.0	1.085055	Y
5	STD16 460-962239/4	16.0	18.135656	8.0	911027.0	1.133478	Y
6	STD24 460-962239/3	24.0	24.974951	8.0	1031174.0	1.040623	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

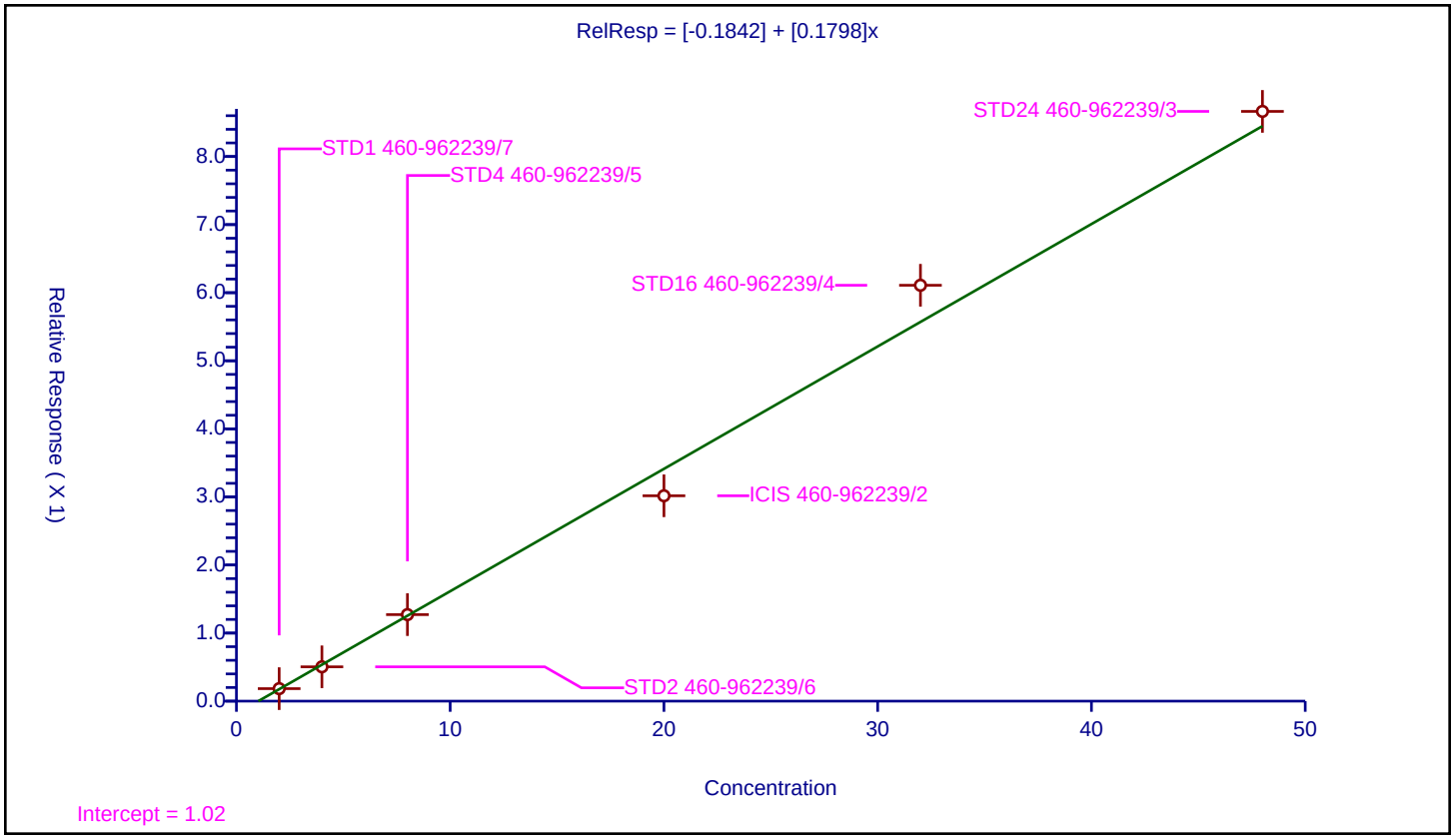
Curve Coefficients

Intercept:	-0.1842
Slope:	0.1798

Error Coefficients

Relative Standard Deviation:	7.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	2.0	0.183618	8.0	1493146.0	0.091809	Y
2	STD2 460-962239/6	4.0	0.503962	8.0	1092051.0	0.12599	Y
3	STD4 460-962239/5	8.0	1.271008	8.0	1021451.0	0.158876	Y
4	ICIS 460-962239/2	20.0	3.016826	8.0	1046862.0	0.150841	Y
5	STD16 460-962239/4	32.0	6.108991	8.0	911027.0	0.190906	Y
6	STD24 460-962239/3	48.0	8.663244	8.0	1031174.0	0.180484	Y



Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

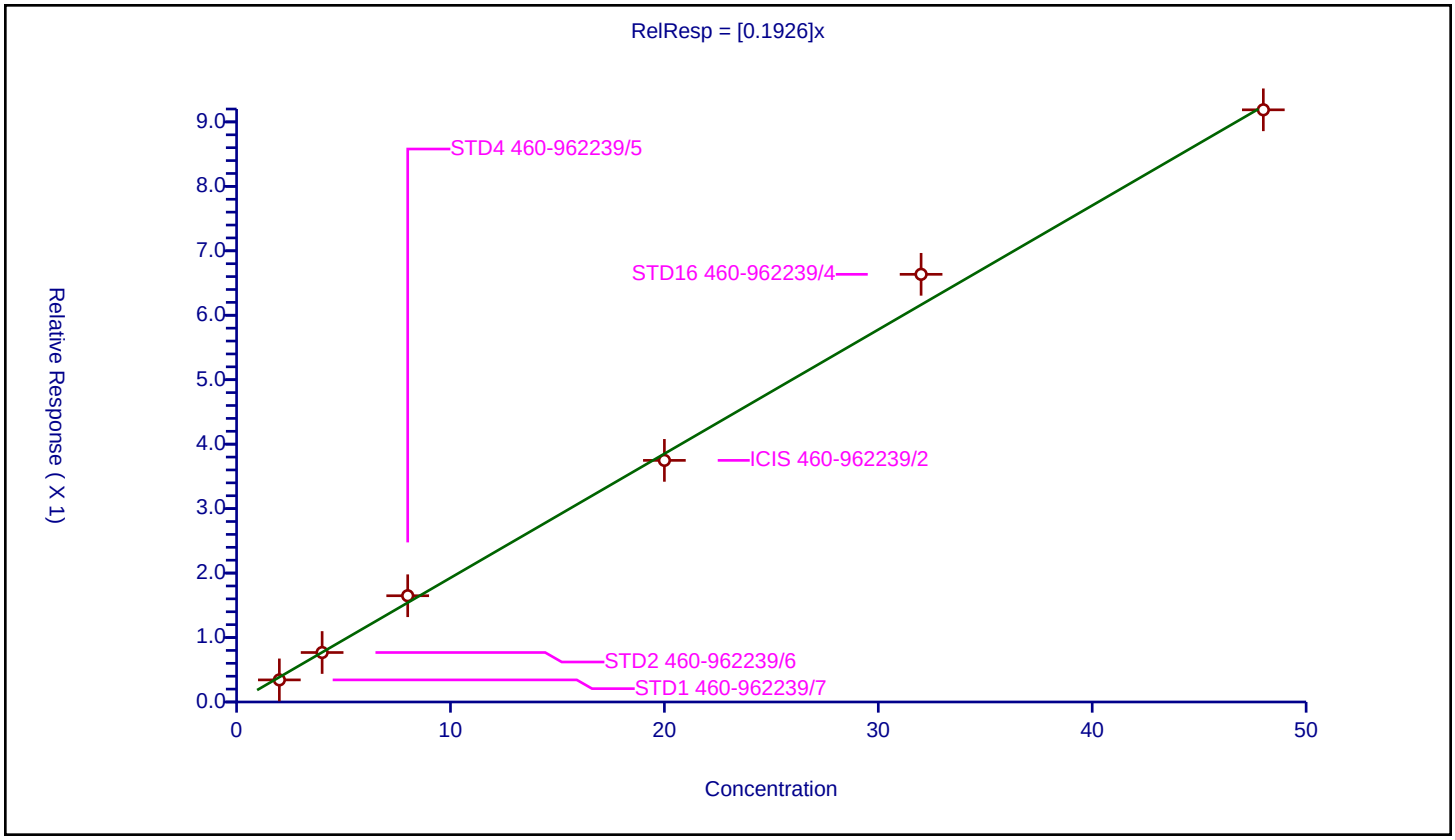
Curve Coefficients

Intercept:	0
Slope:	0.1926

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	2.0	0.342664	8.0	1493146.0	0.171332	Y
2	STD2 460-962239/6	4.0	0.767678	8.0	1092051.0	0.19192	Y
3	STD4 460-962239/5	8.0	1.648431	8.0	1021451.0	0.206054	Y
4	ICIS 460-962239/2	20.0	3.748544	8.0	1046862.0	0.187427	Y
5	STD16 460-962239/4	32.0	6.63529	8.0	911027.0	0.207353	Y
6	STD24 460-962239/3	48.0	9.187687	8.0	1031174.0	0.19141	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

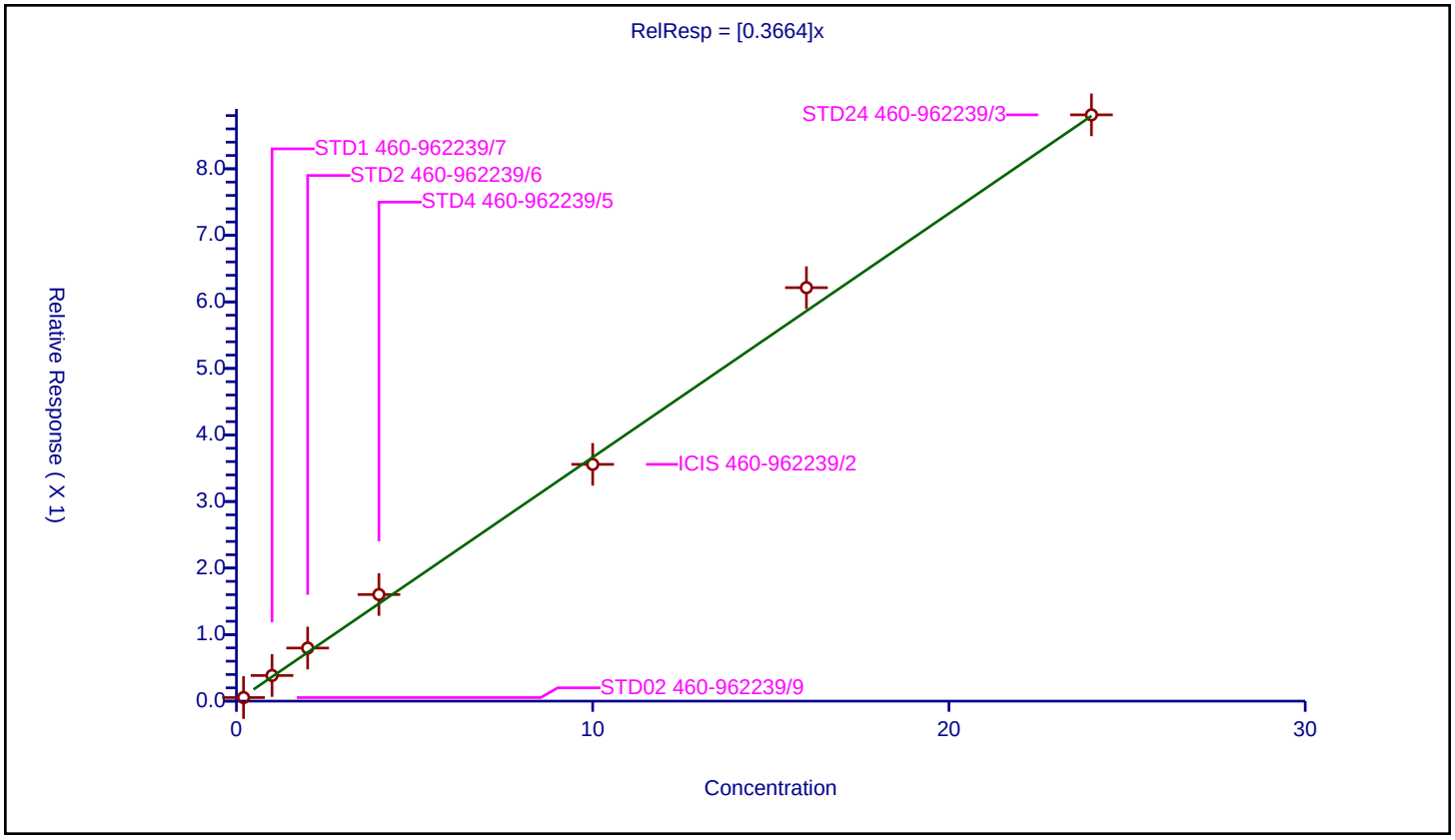
Curve Coefficients

Intercept:	0
Slope:	0.3664

Error Coefficients

Relative Standard Deviation:	12.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.053815	8.0	1069152.0	0.269073	Y
2	STD1 460-962239/7	1.0	0.385238	8.0	1493146.0	0.385238	Y
3	STD2 460-962239/6	2.0	0.797787	8.0	1092051.0	0.398893	Y
4	STD4 460-962239/5	4.0	1.601925	8.0	1021451.0	0.400481	Y
5	ICIS 460-962239/2	10.0	3.558238	8.0	1046862.0	0.355824	Y
6	STD16 460-962239/4	16.0	6.213506	8.0	911027.0	0.388344	Y
7	STD24 460-962239/3	24.0	8.810602	8.0	1031174.0	0.367108	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

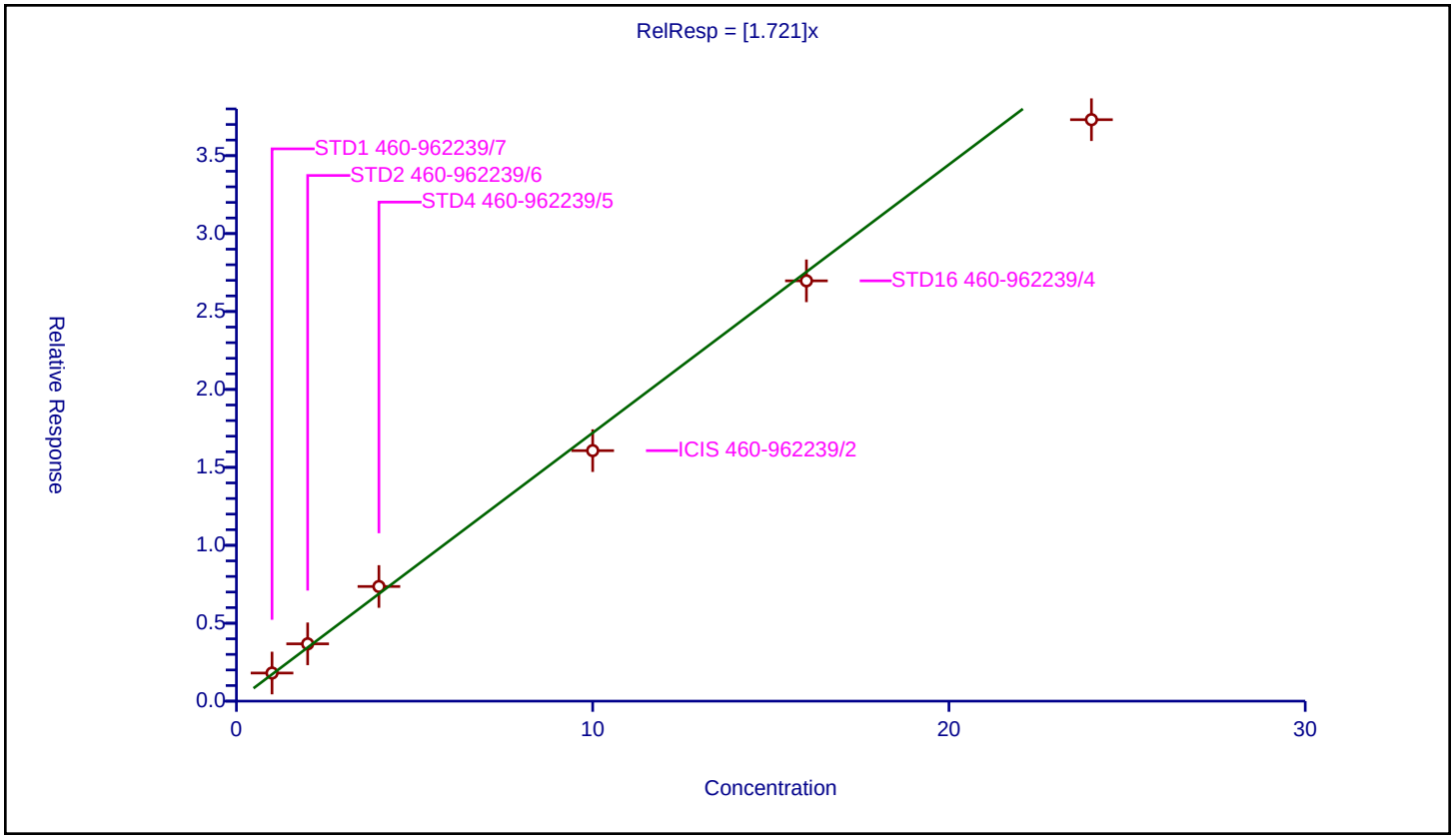
Curve Coefficients

Intercept:	0
Slope:	1.721

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.803891	8.0	1493146.0	1.803891	Y
2	STD2 460-962239/6	2.0	3.676304	8.0	1092051.0	1.838152	Y
3	STD4 460-962239/5	4.0	7.355145	8.0	1021451.0	1.838786	Y
4	ICIS 460-962239/2	10.0	16.073202	8.0	1046862.0	1.60732	Y
5	STD16 460-962239/4	16.0	26.968975	8.0	911027.0	1.685561	Y
6	STD24 460-962239/3	24.0	37.307349	8.0	1031174.0	1.554473	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

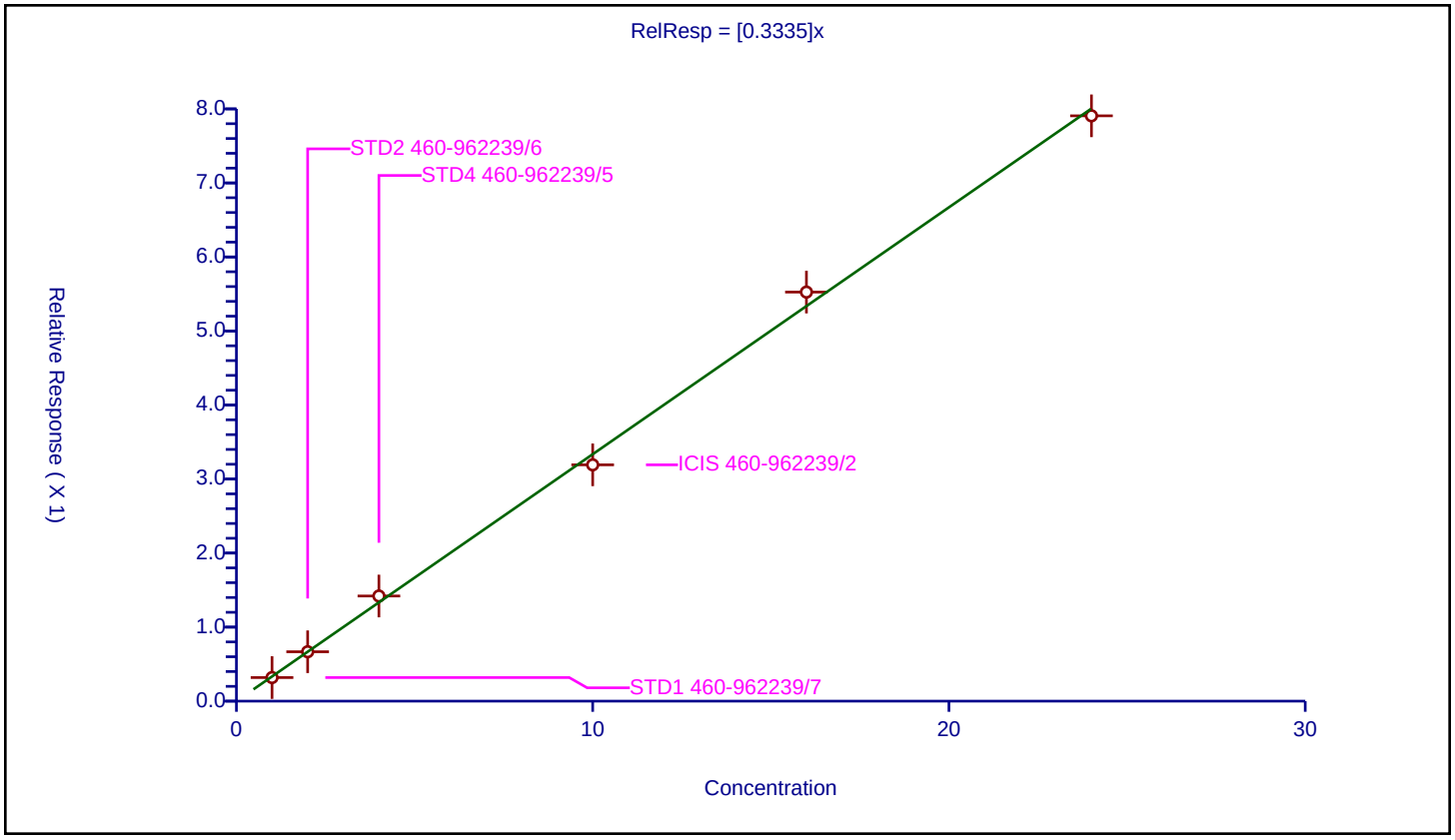
Curve Coefficients

Intercept:	0
Slope:	0.3335

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.318506	8.0	1493146.0	0.318506	Y
2	STD2 460-962239/6	2.0	0.667141	8.0	1092051.0	0.333571	Y
3	STD4 460-962239/5	4.0	1.420074	8.0	1021451.0	0.355018	Y
4	ICIS 460-962239/2	10.0	3.19197	8.0	1046862.0	0.319197	Y
5	STD16 460-962239/4	16.0	5.525588	8.0	911027.0	0.345349	Y
6	STD24 460-962239/3	24.0	7.90646	8.0	1031174.0	0.329436	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

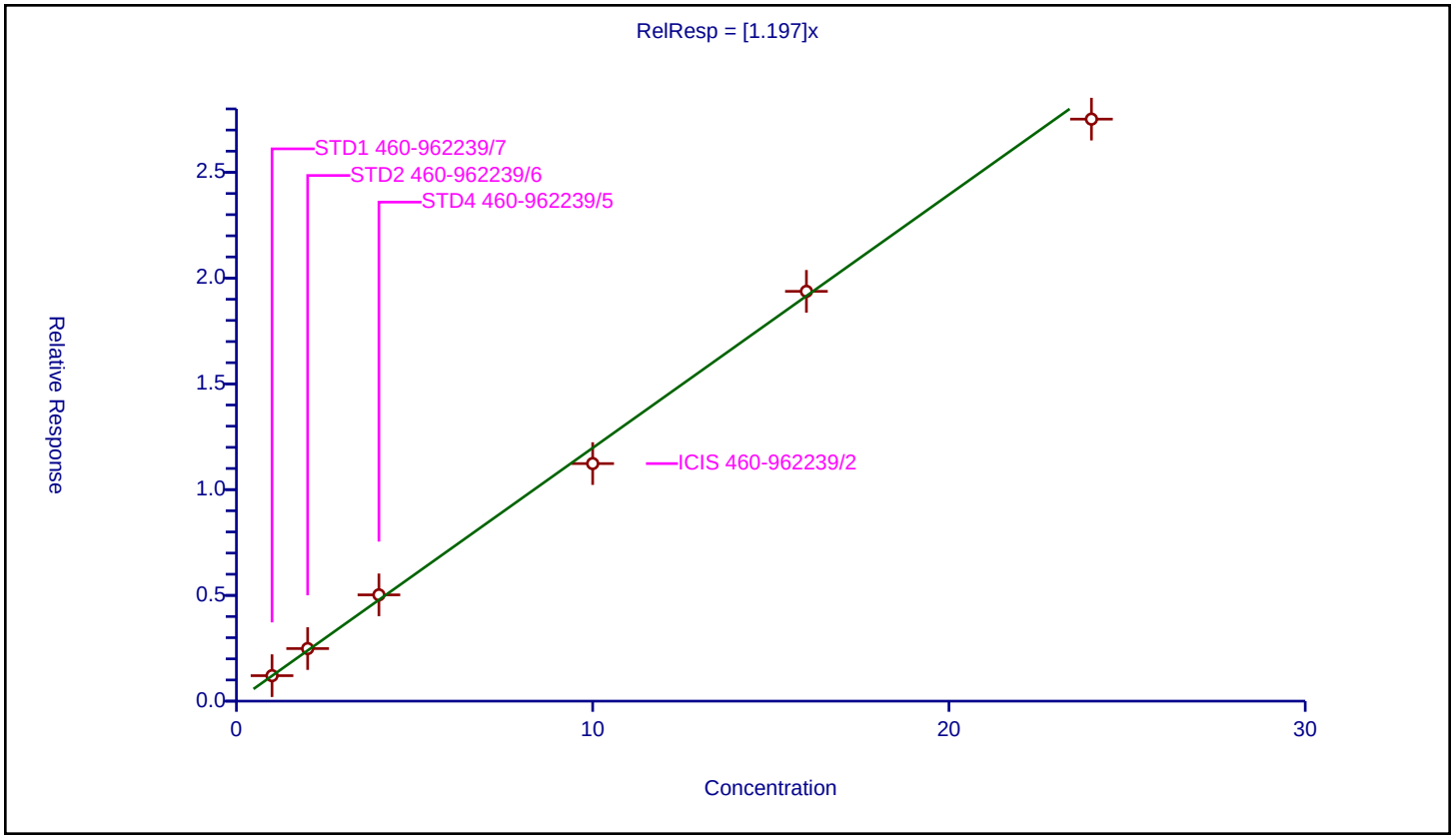
Curve Coefficients

Intercept:	0
Slope:	1.197

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.203831	8.0	1493146.0	1.203831	Y
2	STD2 460-962239/6	2.0	2.485239	8.0	1092051.0	1.24262	Y
3	STD4 460-962239/5	4.0	5.024656	8.0	1021451.0	1.256164	Y
4	ICIS 460-962239/2	10.0	11.23154	8.0	1046862.0	1.123154	Y
5	STD16 460-962239/4	16.0	19.374442	8.0	911027.0	1.210903	Y
6	STD24 460-962239/3	24.0	27.516093	8.0	1031174.0	1.146504	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

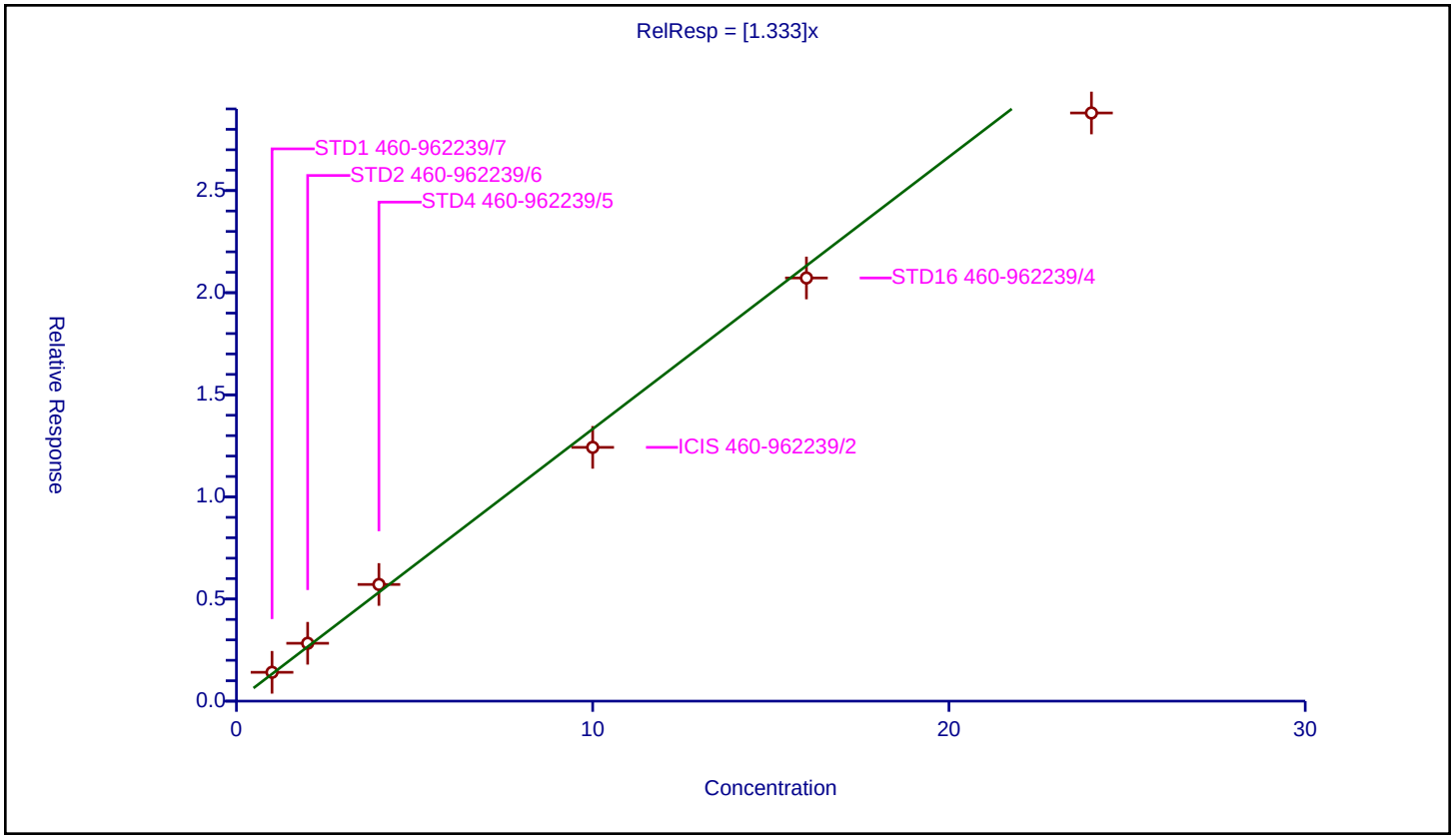
Curve Coefficients

Intercept:	0
Slope:	1.333

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.412154	8.0	1493146.0	1.412154	Y
2	STD2 460-962239/6	2.0	2.833765	8.0	1092051.0	1.416883	Y
3	STD4 460-962239/5	4.0	5.713292	8.0	1021451.0	1.428323	Y
4	ICIS 460-962239/2	10.0	12.426089	8.0	1046862.0	1.242609	Y
5	STD16 460-962239/4	16.0	20.721774	8.0	911027.0	1.295111	Y
6	STD24 460-962239/3	24.0	28.800493	8.0	1031174.0	1.200021	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

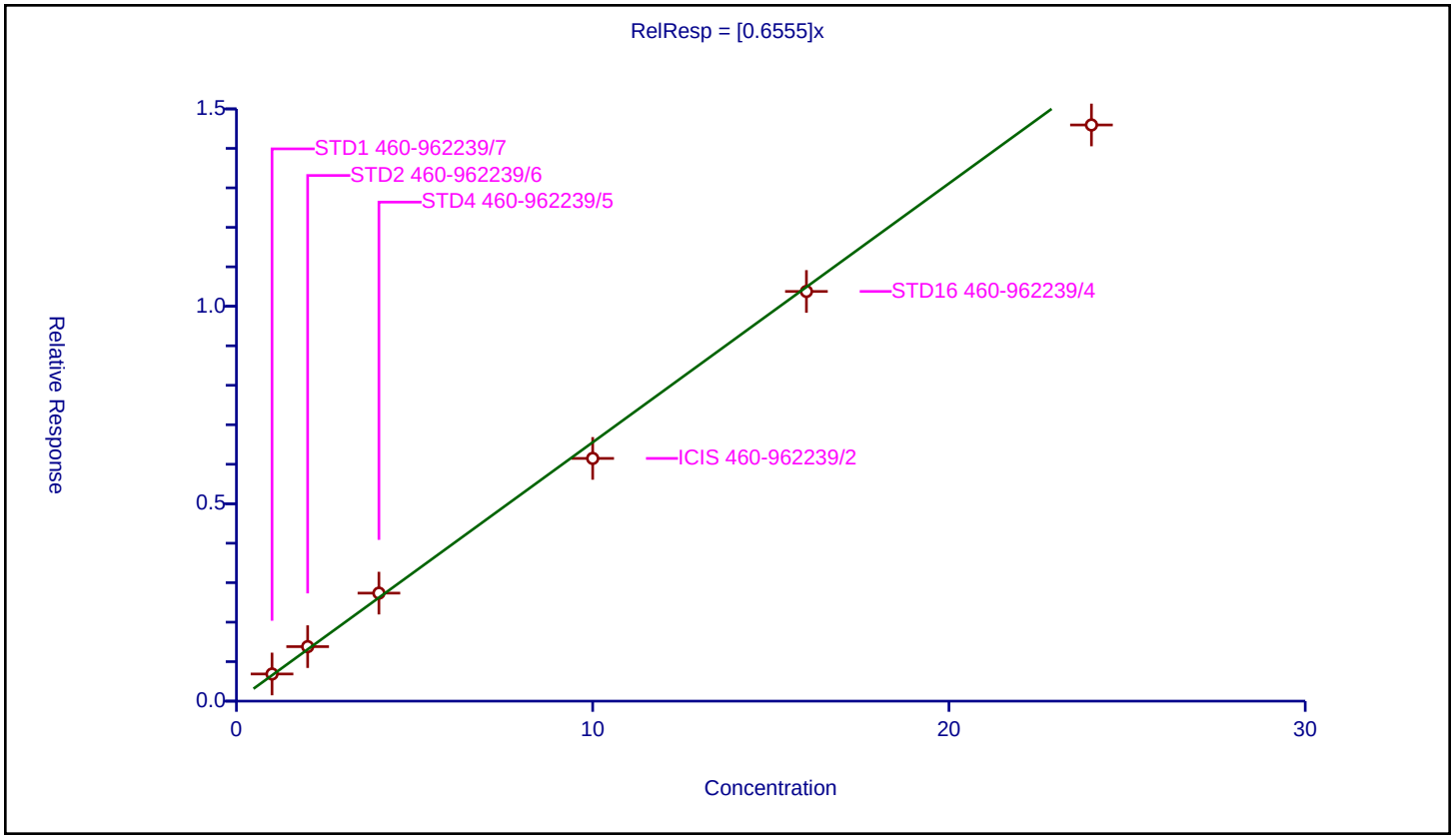
Curve Coefficients

Intercept:	0
Slope:	0.6555

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.687783	8.0	1493146.0	0.687783	Y
2	STD2 460-962239/6	2.0	1.380631	8.0	1092051.0	0.690316	Y
3	STD4 460-962239/5	4.0	2.73545	8.0	1021451.0	0.683862	Y
4	ICIS 460-962239/2	10.0	6.1475	8.0	1046862.0	0.61475	Y
5	STD16 460-962239/4	16.0	10.376641	8.0	911027.0	0.64854	Y
6	STD24 460-962239/3	24.0	14.592897	8.0	1031174.0	0.608037	Y



Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

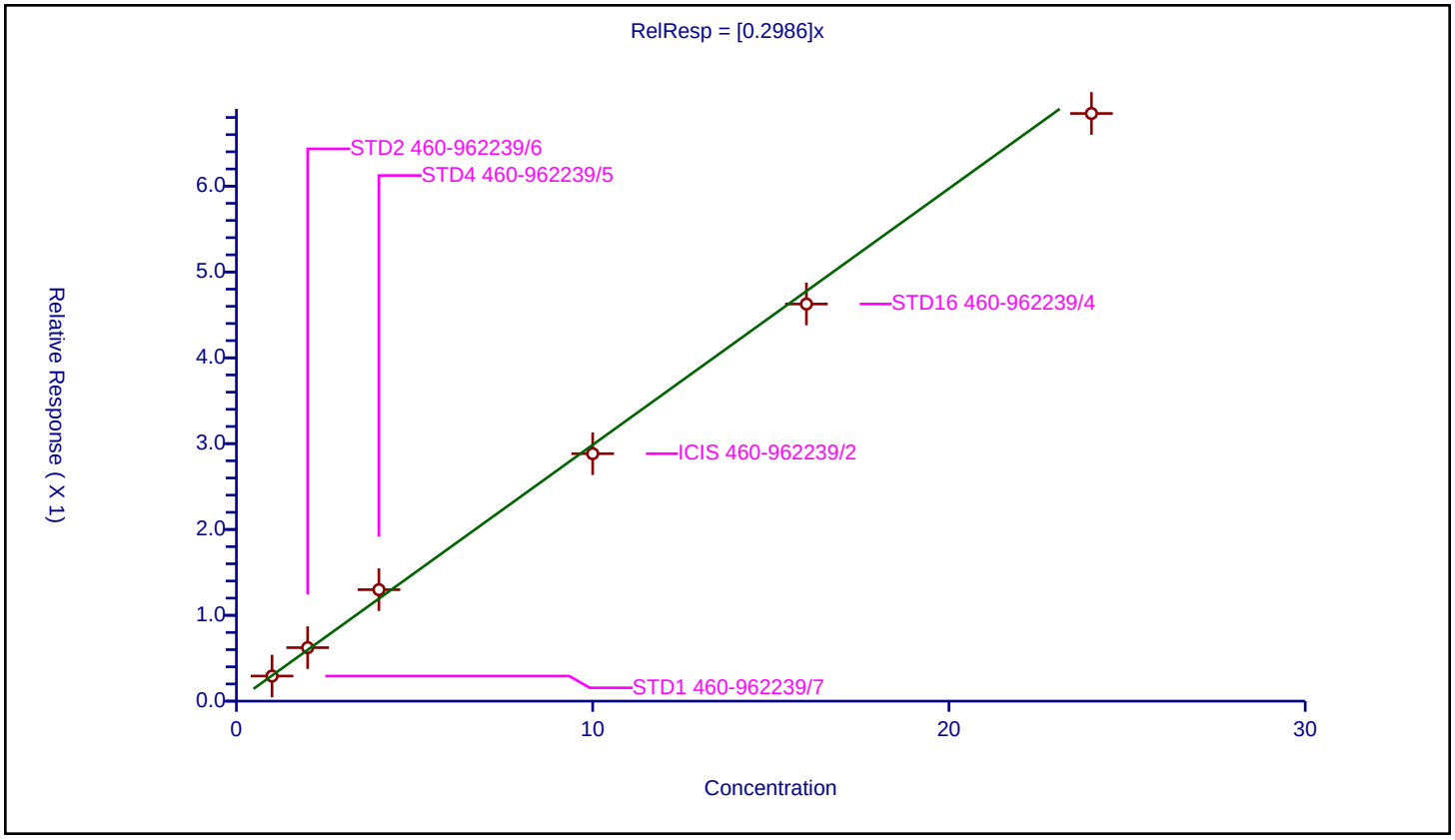
Curve Coefficients

Intercept:	0
Slope:	0.2986

Error Coefficients

Relative Standard Deviation:	5.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.292542	8.0	1493146.0	0.292542	Y
2	STD2 460-962239/6	2.0	0.623172	8.0	1092051.0	0.311586	Y
3	STD4 460-962239/5	4.0	1.298349	8.0	1021451.0	0.324587	Y
4	ICIS 460-962239/2	10.0	2.883108	8.0	1046862.0	0.288311	Y
5	STD16 460-962239/4	16.0	4.626796	8.0	911027.0	0.289175	Y
6	STD24 460-962239/3	24.0	6.846751	8.0	1031174.0	0.285281	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

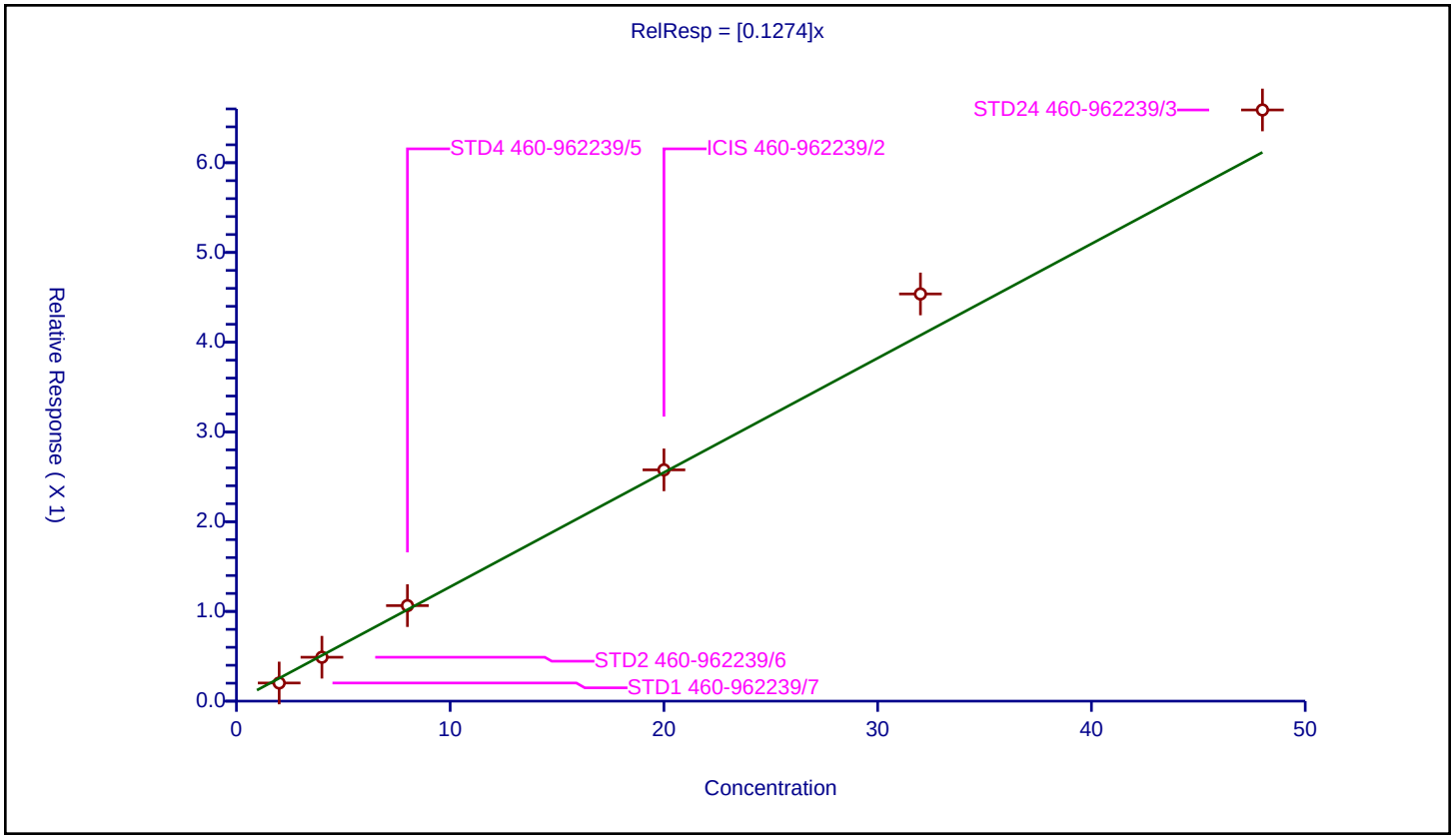
Curve Coefficients

Intercept:	0
Slope:	0.1274

Error Coefficients

Relative Standard Deviation:	11.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	2.0	0.202288	8.0	2436407.0	0.101144	Y
2	STD2 460-962239/6	4.0	0.489385	8.0	1733343.0	0.122346	Y
3	STD4 460-962239/5	8.0	1.0645	8.0	1611303.0	0.133062	Y
4	ICIS 460-962239/2	20.0	2.577458	8.0	1644476.0	0.128873	Y
5	STD16 460-962239/4	32.0	4.537659	8.0	1428712.0	0.141802	Y
6	STD24 460-962239/3	48.0	6.588015	8.0	1582493.0	0.13725	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

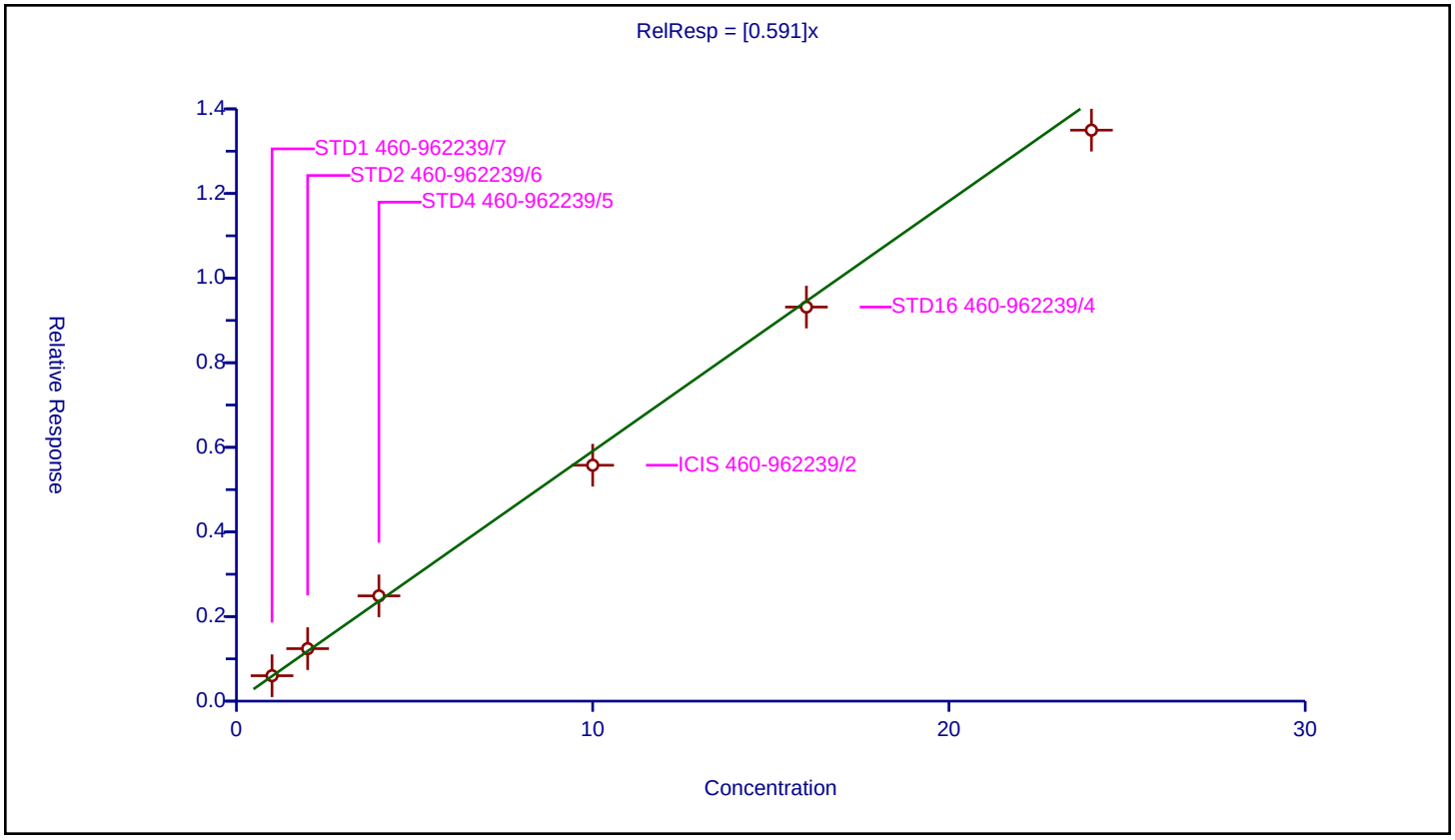
Curve Coefficients

Intercept:	0
Slope:	0.591

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.601069	8.0	2436407.0	0.601069	Y
2	STD2 460-962239/6	2.0	1.240456	8.0	1733343.0	0.620228	Y
3	STD4 460-962239/5	4.0	2.48858	8.0	1611303.0	0.622145	Y
4	ICIS 460-962239/2	10.0	5.576648	8.0	1644476.0	0.557665	Y
5	STD16 460-962239/4	16.0	9.316005	8.0	1428712.0	0.58225	Y
6	STD24 460-962239/3	24.0	13.497326	8.0	1582493.0	0.562389	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

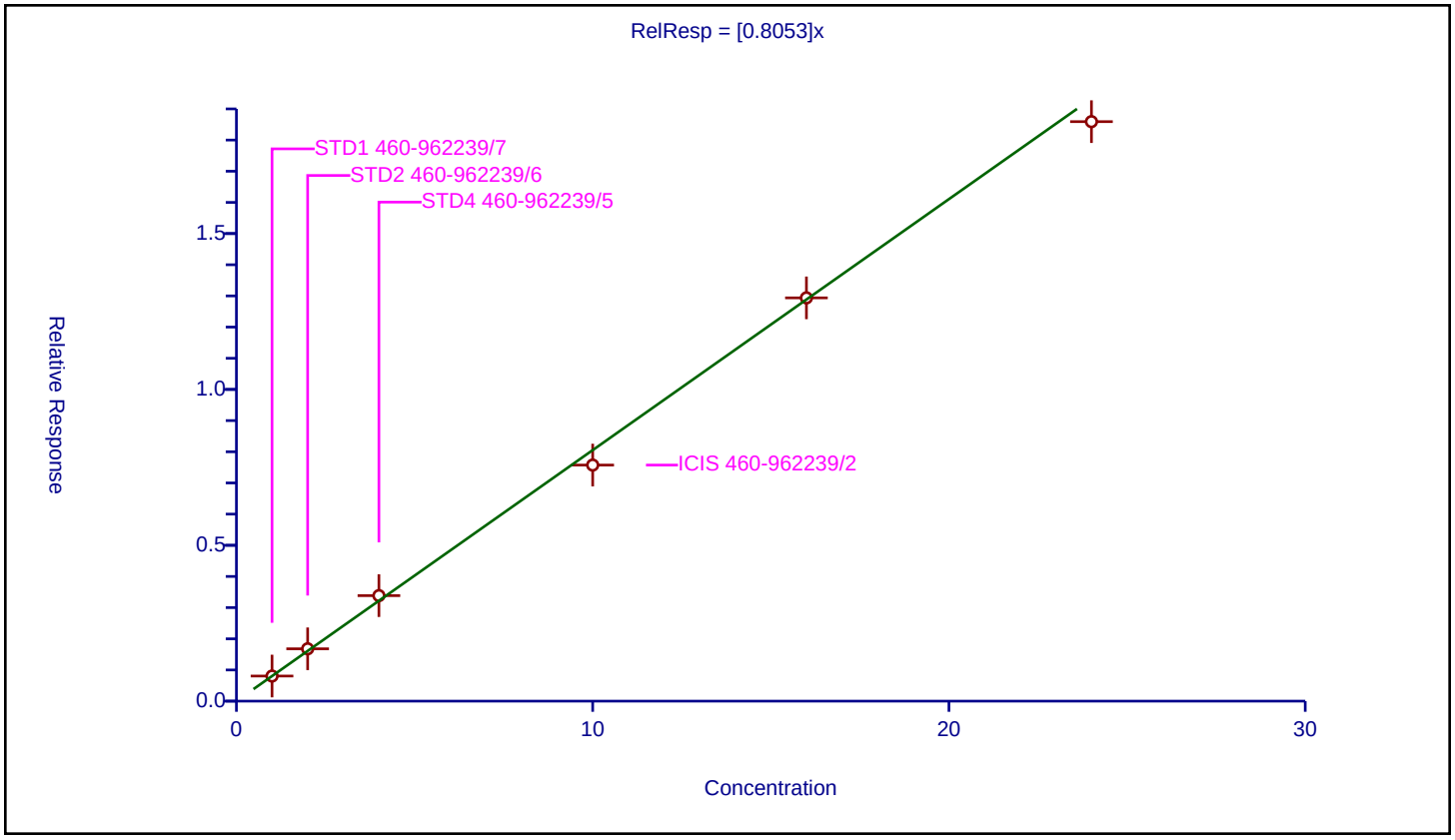
Curve Coefficients

Intercept:	0
Slope:	0.8053

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.805343	8.0	2436407.0	0.805343	Y
2	STD2 460-962239/6	2.0	1.679008	8.0	1733343.0	0.839504	Y
3	STD4 460-962239/5	4.0	3.3846	8.0	1611303.0	0.84615	Y
4	ICIS 460-962239/2	10.0	7.573695	8.0	1644476.0	0.75737	Y
5	STD16 460-962239/4	16.0	12.937499	8.0	1428712.0	0.808594	Y
6	STD24 460-962239/3	24.0	18.590808	8.0	1582493.0	0.774617	Y



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Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

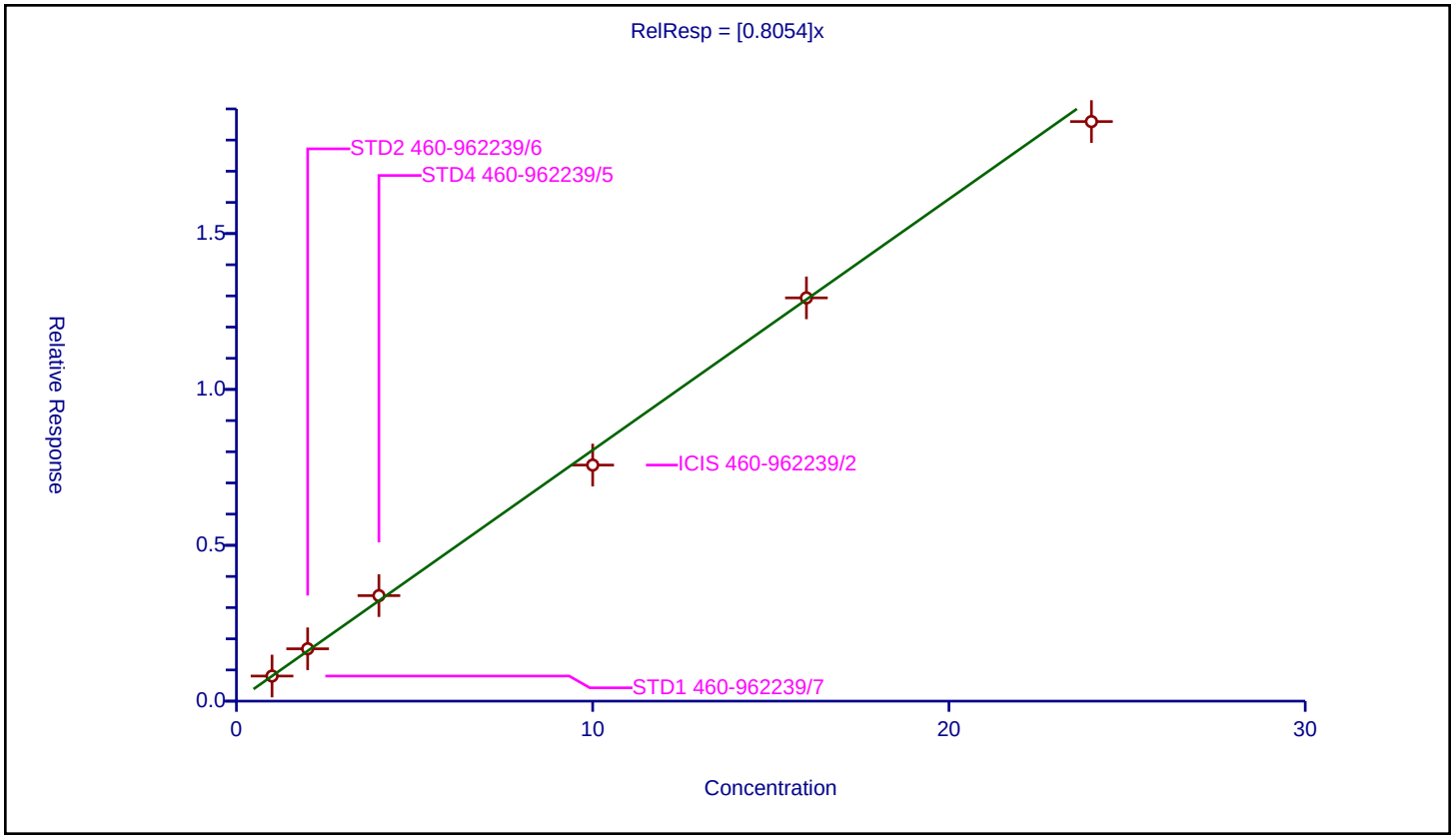
Curve Coefficients

Intercept:	0
Slope:	0.8054

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.805343	8.0	2436407.0	0.805343	Y
2	STD2 460-962239/6	2.0	1.67982	8.0	1733343.0	0.83991	Y
3	STD4 460-962239/5	4.0	3.384918	8.0	1611303.0	0.846229	Y
4	ICIS 460-962239/2	10.0	7.573559	8.0	1644476.0	0.757356	Y
5	STD16 460-962239/4	16.0	12.937499	8.0	1428712.0	0.808594	Y
6	STD24 460-962239/3	24.0	18.5937	8.0	1582493.0	0.774737	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

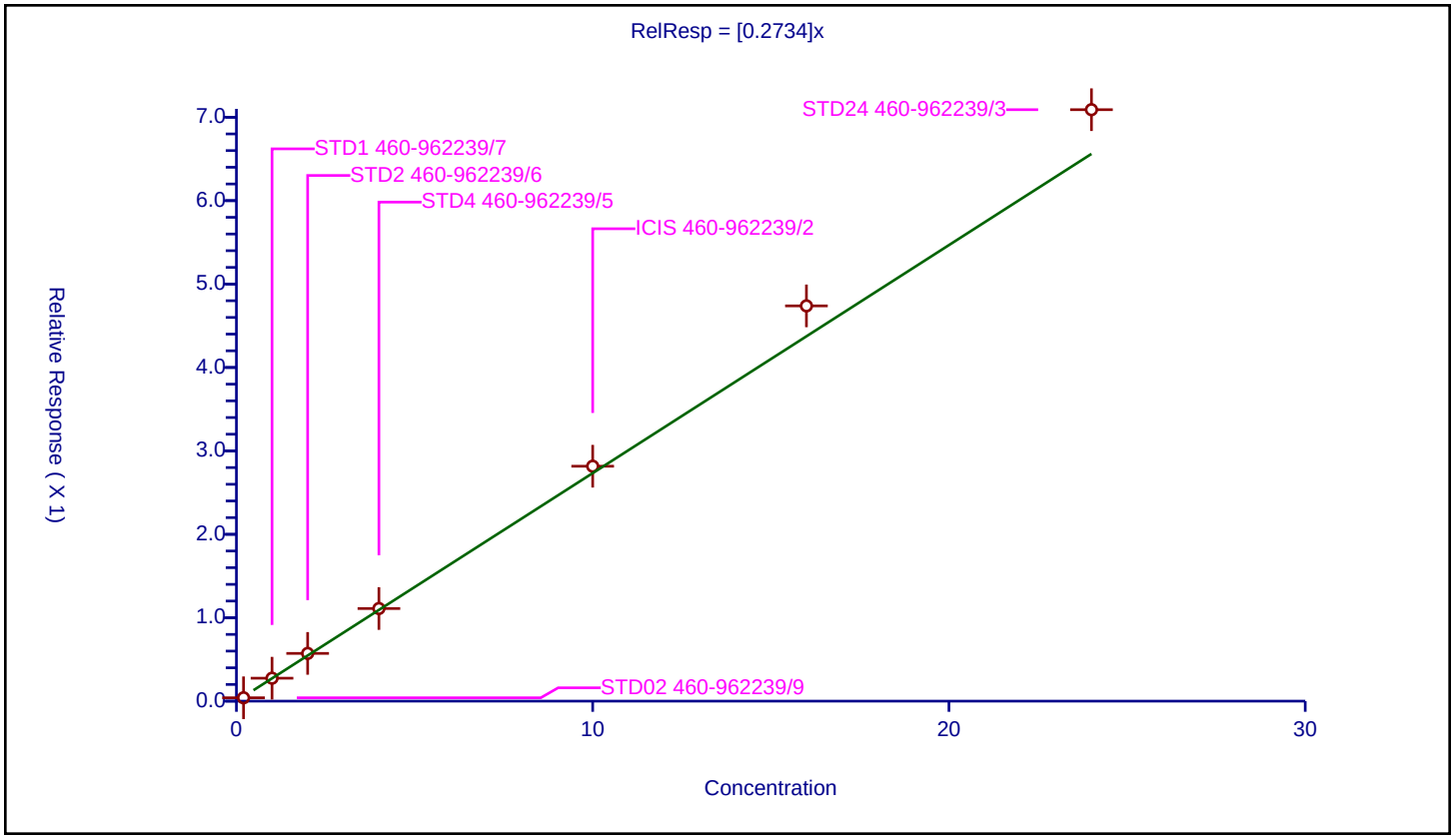
Curve Coefficients

Intercept:	0
Slope:	0.2734

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.040301	8.0	1069152.0	0.201505	Y
2	STD1 460-962239/7	1.0	0.275011	8.0	1493146.0	0.275011	Y
3	STD2 460-962239/6	2.0	0.572259	8.0	1092051.0	0.286129	Y
4	STD4 460-962239/5	4.0	1.11042	8.0	1021451.0	0.277605	Y
5	ICIS 460-962239/2	10.0	2.816409	8.0	1046862.0	0.281641	Y
6	STD16 460-962239/4	16.0	4.738406	8.0	911027.0	0.29615	Y
7	STD24 460-962239/3	24.0	7.090342	8.0	1031174.0	0.295431	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

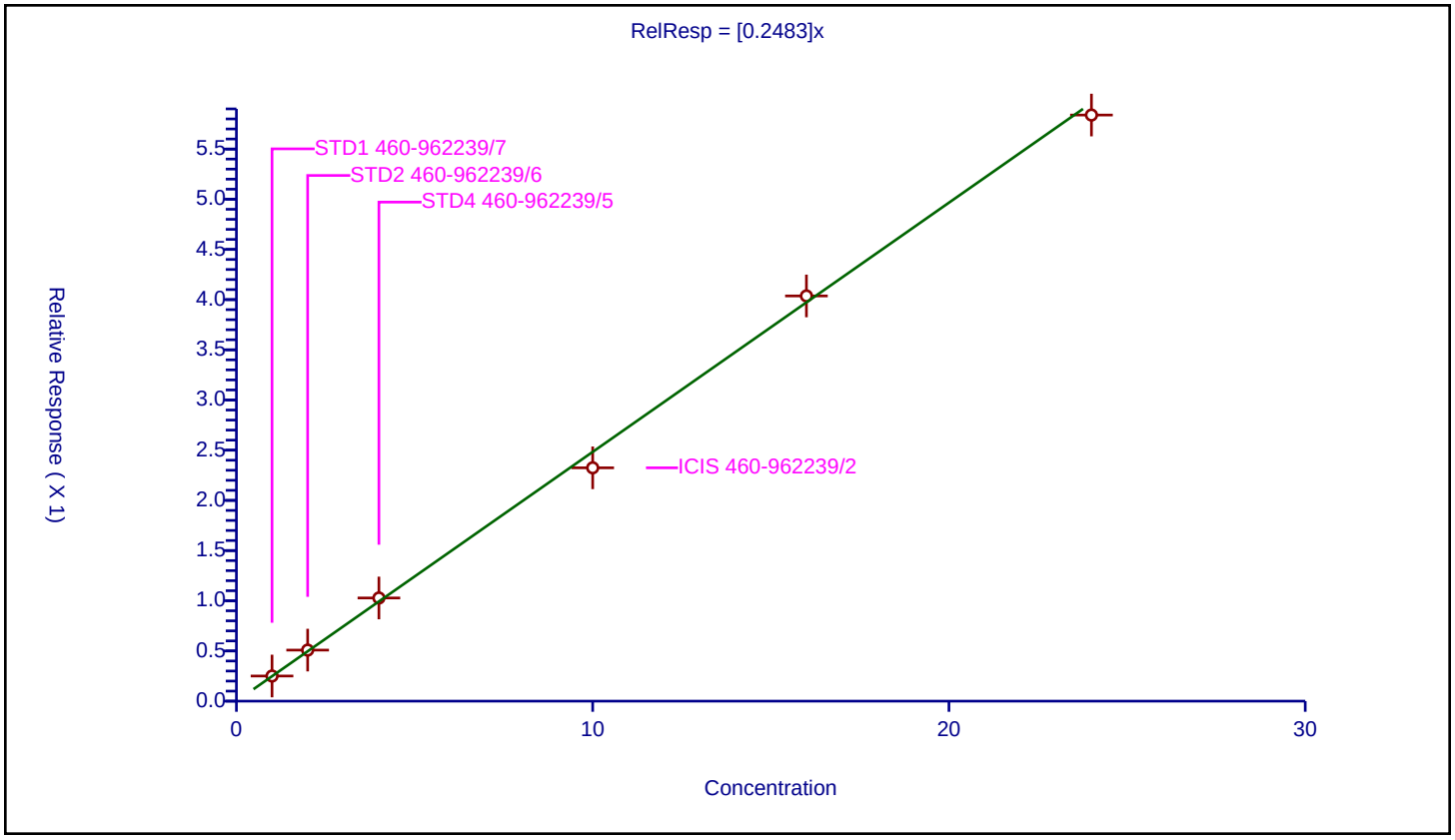
Curve Coefficients

Intercept:	0
Slope:	0.2483

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.250421	8.0	2436407.0	0.250421	Y
2	STD2 460-962239/6	2.0	0.50858	8.0	1733343.0	0.25429	Y
3	STD4 460-962239/5	4.0	1.027799	8.0	1611303.0	0.25695	Y
4	ICIS 460-962239/2	10.0	2.324422	8.0	1644476.0	0.232442	Y
5	STD16 460-962239/4	16.0	4.036548	8.0	1428712.0	0.252284	Y
6	STD24 460-962239/3	24.0	5.838808	8.0	1582493.0	0.243284	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

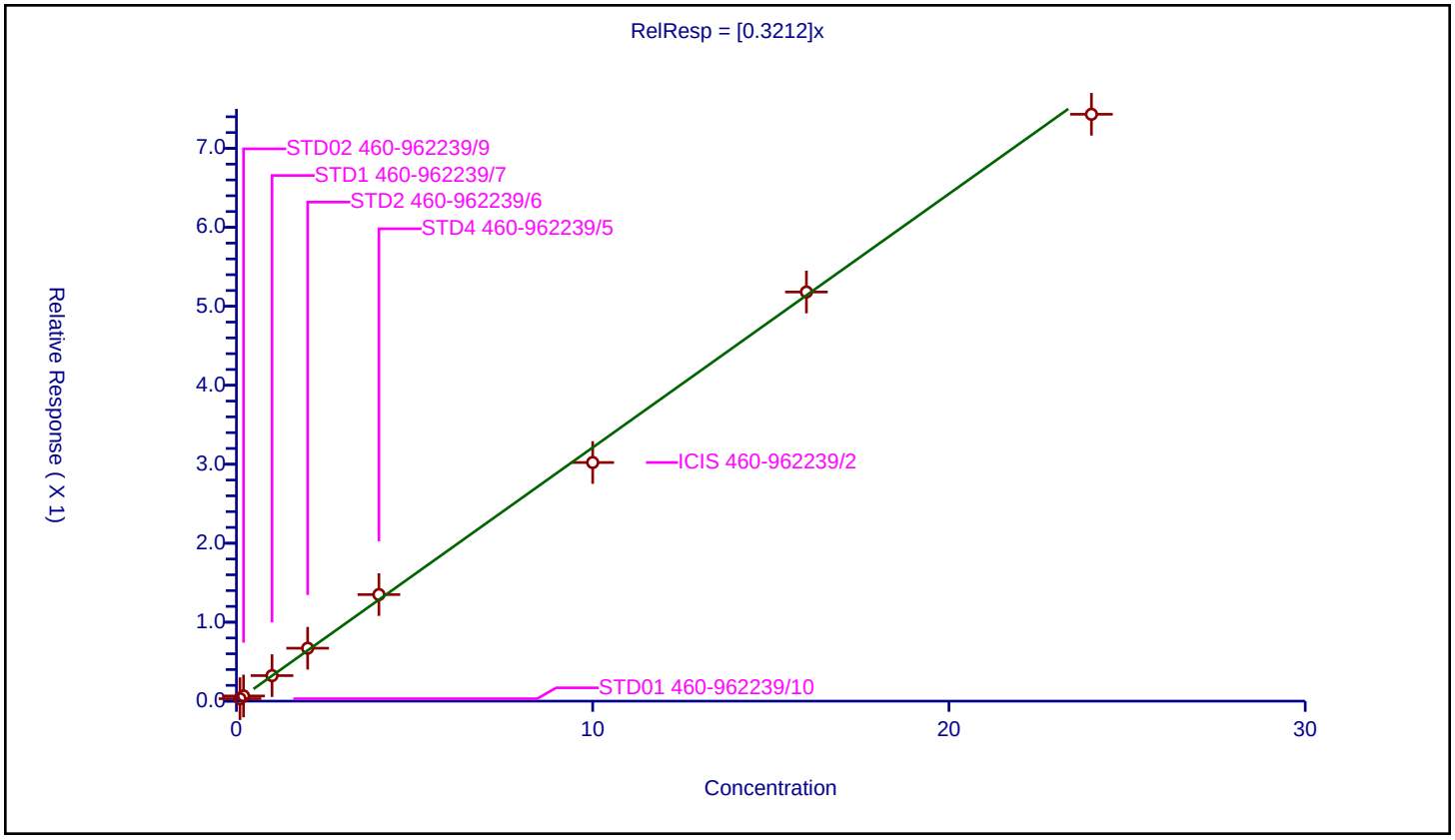
Curve Coefficients

Intercept:	0
Slope:	0.3212

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.031055	8.0	1710003.0	0.310549	Y
2	STD02 460-962239/9	0.2	0.065471	8.0	1766025.0	0.327357	Y
3	STD1 460-962239/7	1.0	0.323315	8.0	2436407.0	0.323315	Y
4	STD2 460-962239/6	2.0	0.670459	8.0	1733343.0	0.33523	Y
5	STD4 460-962239/5	4.0	1.349526	8.0	1611303.0	0.337382	Y
6	ICIS 460-962239/2	10.0	3.021845	8.0	1644476.0	0.302185	Y
7	STD16 460-962239/4	16.0	5.181036	8.0	1428712.0	0.323815	Y
8	STD24 460-962239/3	24.0	7.431818	8.0	1582493.0	0.309659	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

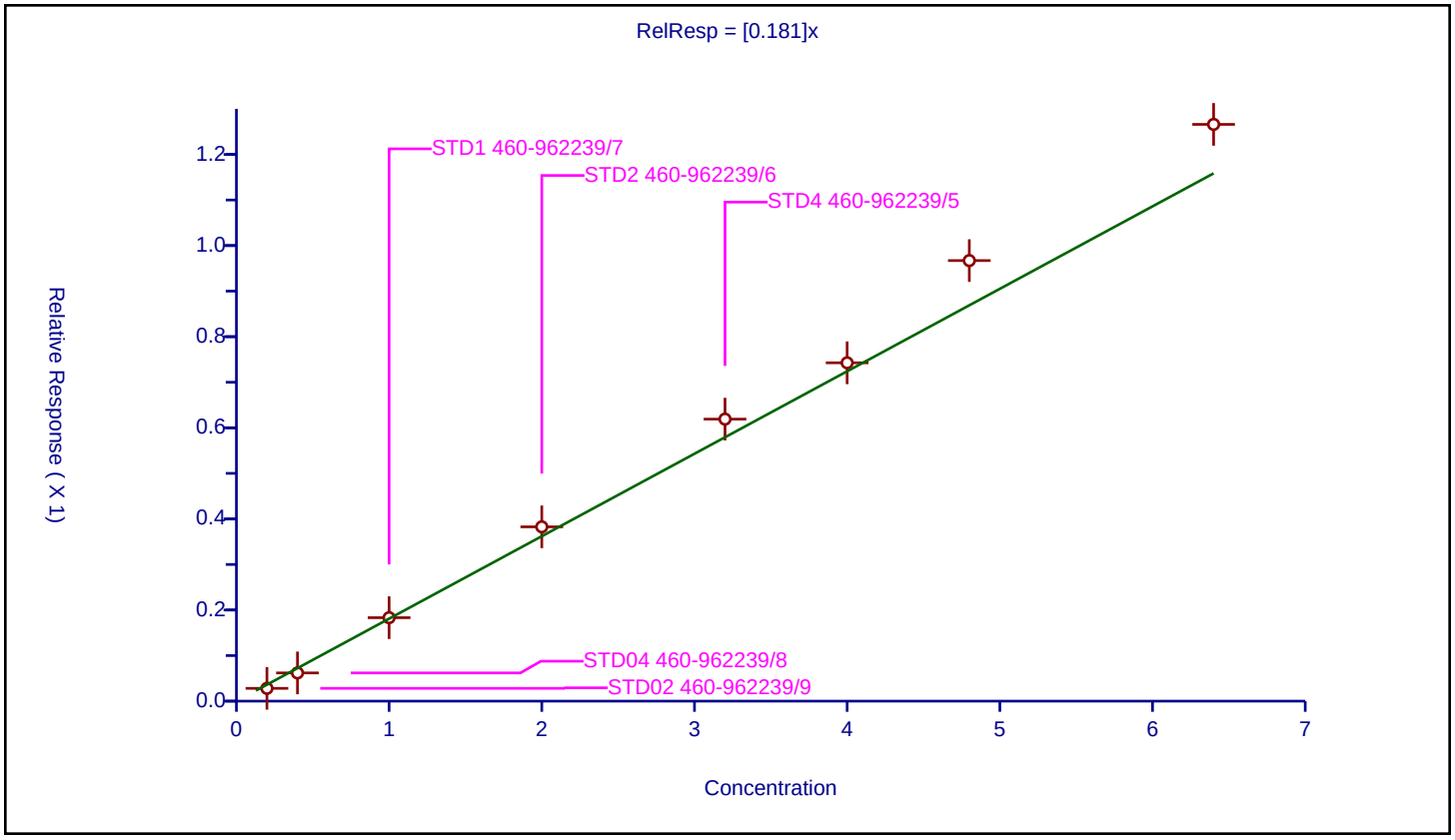
Curve Coefficients

Intercept:	0
Slope:	0.181

Error Coefficients

Relative Standard Deviation:	12.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.028077	8.0	1766025.0	0.140383	Y
2	STD04 460-962239/8	0.4	0.061917	8.0	1903444.0	0.154793	Y
3	STD1 460-962239/7	1.0	0.183175	8.0	2436407.0	0.183175	Y
4	STD2 460-962239/6	2.0	0.38259	8.0	1733343.0	0.191295	Y
5	STD4 460-962239/5	3.2	0.619047	8.0	1611303.0	0.193452	Y
6	ICIS 460-962239/2	4.0	0.742661	8.0	1644476.0	0.185665	Y
7	STD16 460-962239/4	4.8	0.967075	8.0	1428712.0	0.201474	Y
8	STD24 460-962239/3	6.4	1.265962	8.0	1582493.0	0.197807	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

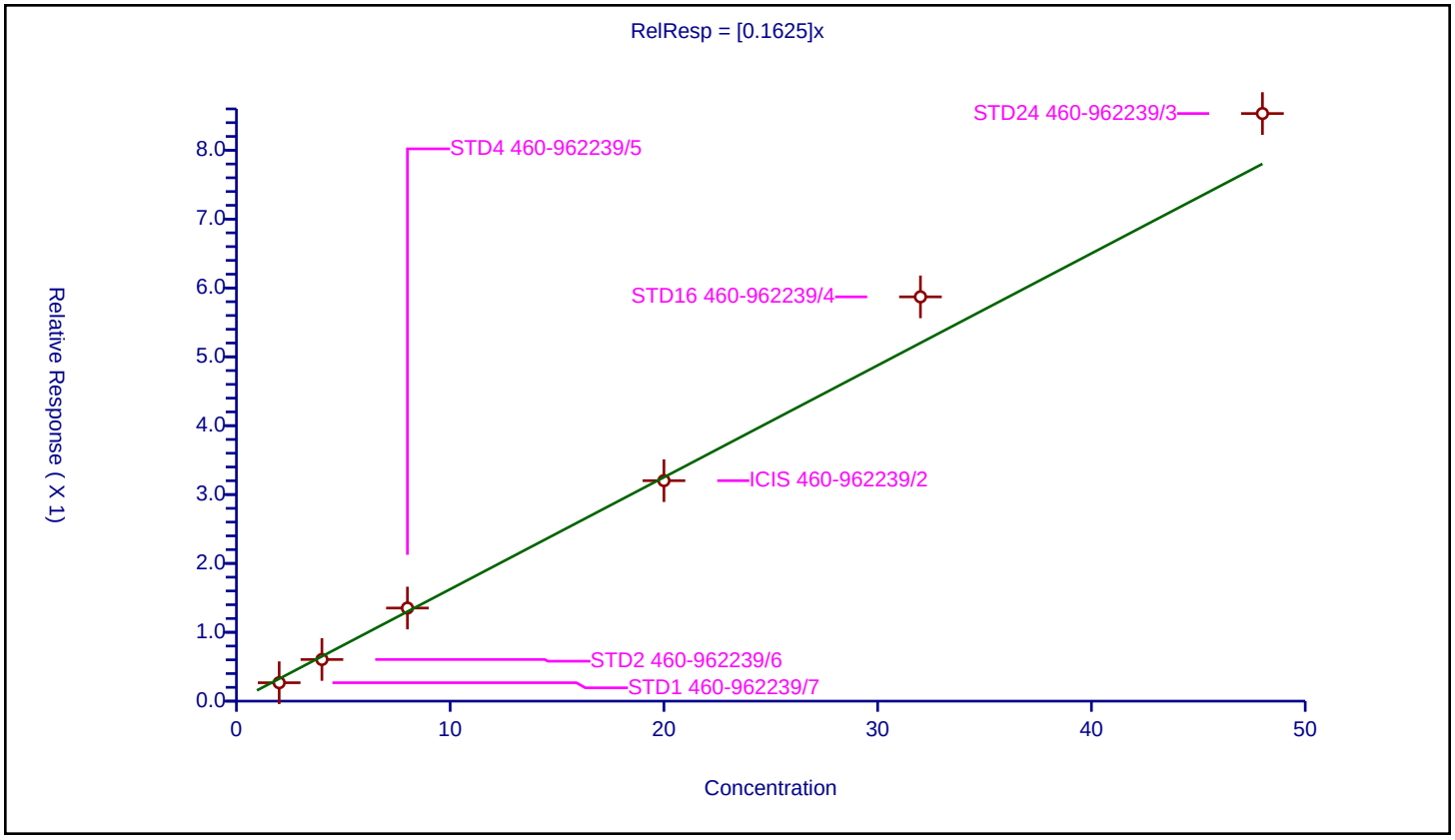
Curve Coefficients

Intercept:	0
Slope:	0.1625

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	2.0	0.267502	8.0	2436407.0	0.133751	Y
2	STD2 460-962239/6	4.0	0.604741	8.0	1733343.0	0.151185	Y
3	STD4 460-962239/5	8.0	1.351785	8.0	1611303.0	0.168973	Y
4	ICIS 460-962239/2	20.0	3.201599	8.0	1644476.0	0.16008	Y
5	STD16 460-962239/4	32.0	5.870614	8.0	1428712.0	0.183457	Y
6	STD24 460-962239/3	48.0	8.532517	8.0	1582493.0	0.177761	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

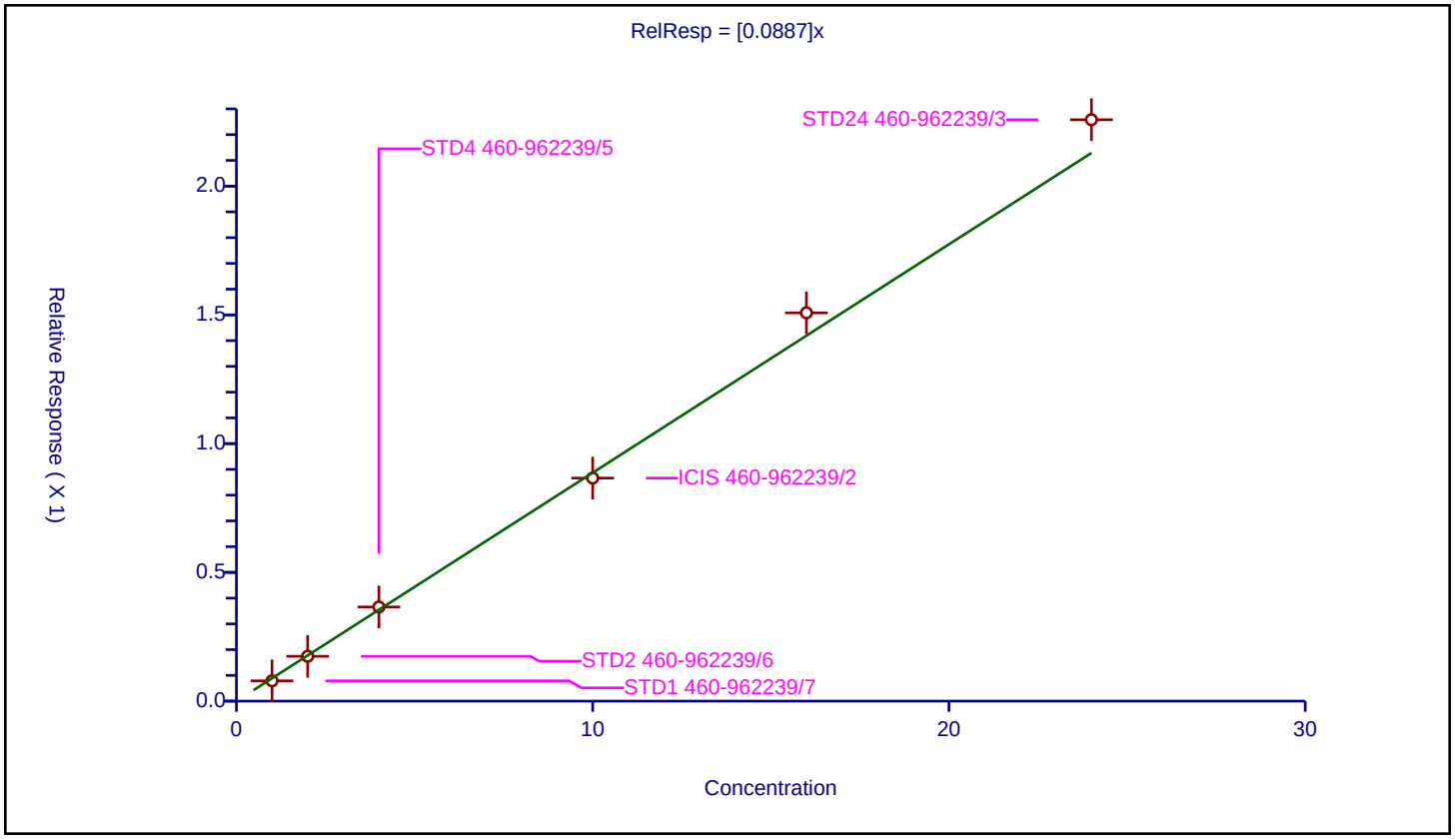
Curve Coefficients

Intercept:	0
Slope:	0.0887

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.078811	8.0	2436407.0	0.078811	Y
2	STD2 460-962239/6	2.0	0.174105	8.0	1733343.0	0.087053	Y
3	STD4 460-962239/5	4.0	0.365587	8.0	1611303.0	0.091397	Y
4	ICIS 460-962239/2	10.0	0.866192	8.0	1644476.0	0.086619	Y
5	STD16 460-962239/4	16.0	1.507982	8.0	1428712.0	0.094249	Y
6	STD24 460-962239/3	24.0	2.257901	8.0	1582493.0	0.094079	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

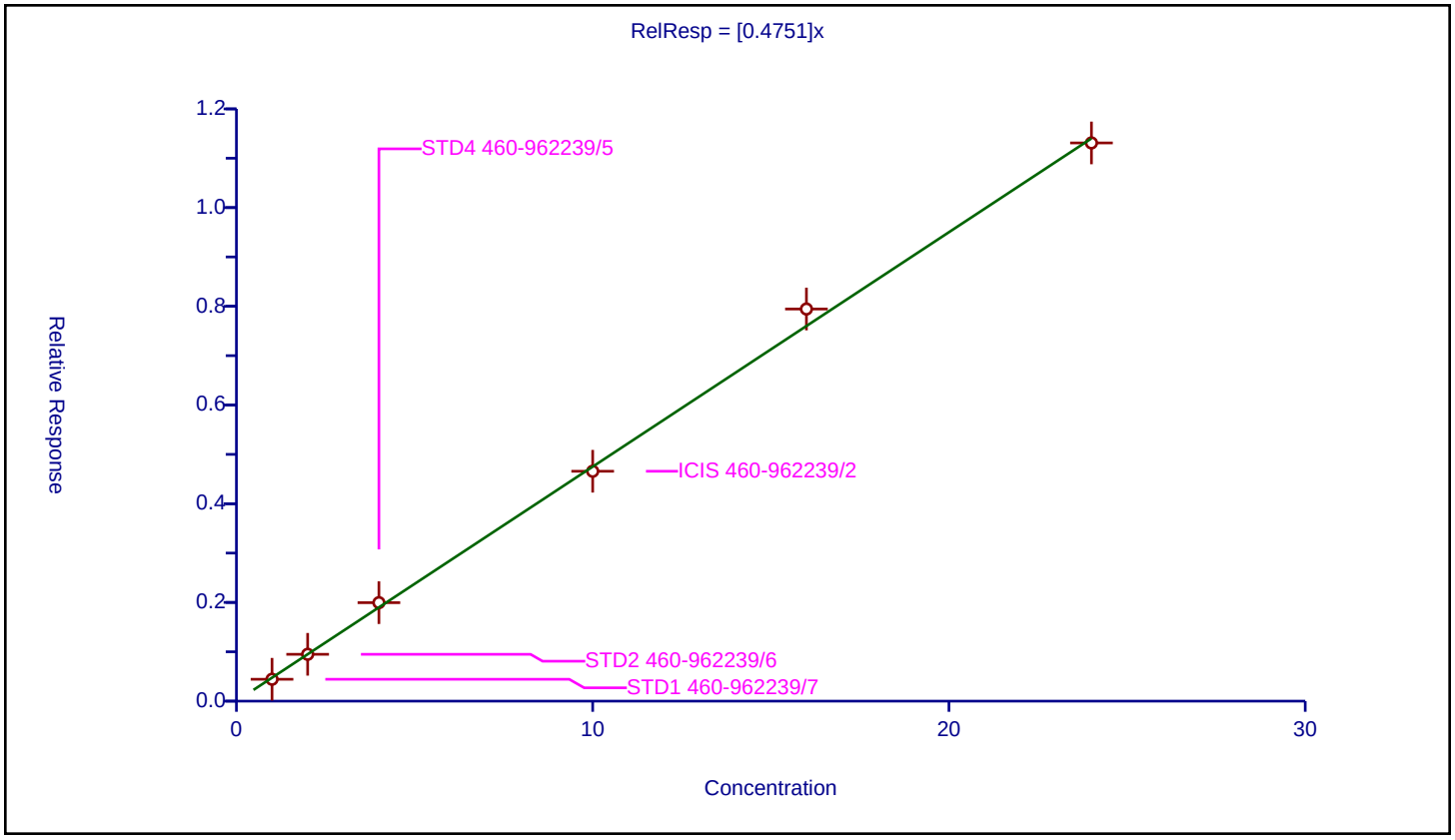
Curve Coefficients

Intercept:	0
Slope:	0.4751

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.443453	8.0	2436407.0	0.443453	Y
2	STD2 460-962239/6	2.0	0.949015	8.0	1733343.0	0.474507	Y
3	STD4 460-962239/5	4.0	1.99522	8.0	1611303.0	0.498805	Y
4	ICIS 460-962239/2	10.0	4.657844	8.0	1644476.0	0.465784	Y
5	STD16 460-962239/4	16.0	7.94517	8.0	1428712.0	0.496573	Y
6	STD24 460-962239/3	24.0	11.310205	8.0	1582493.0	0.471259	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

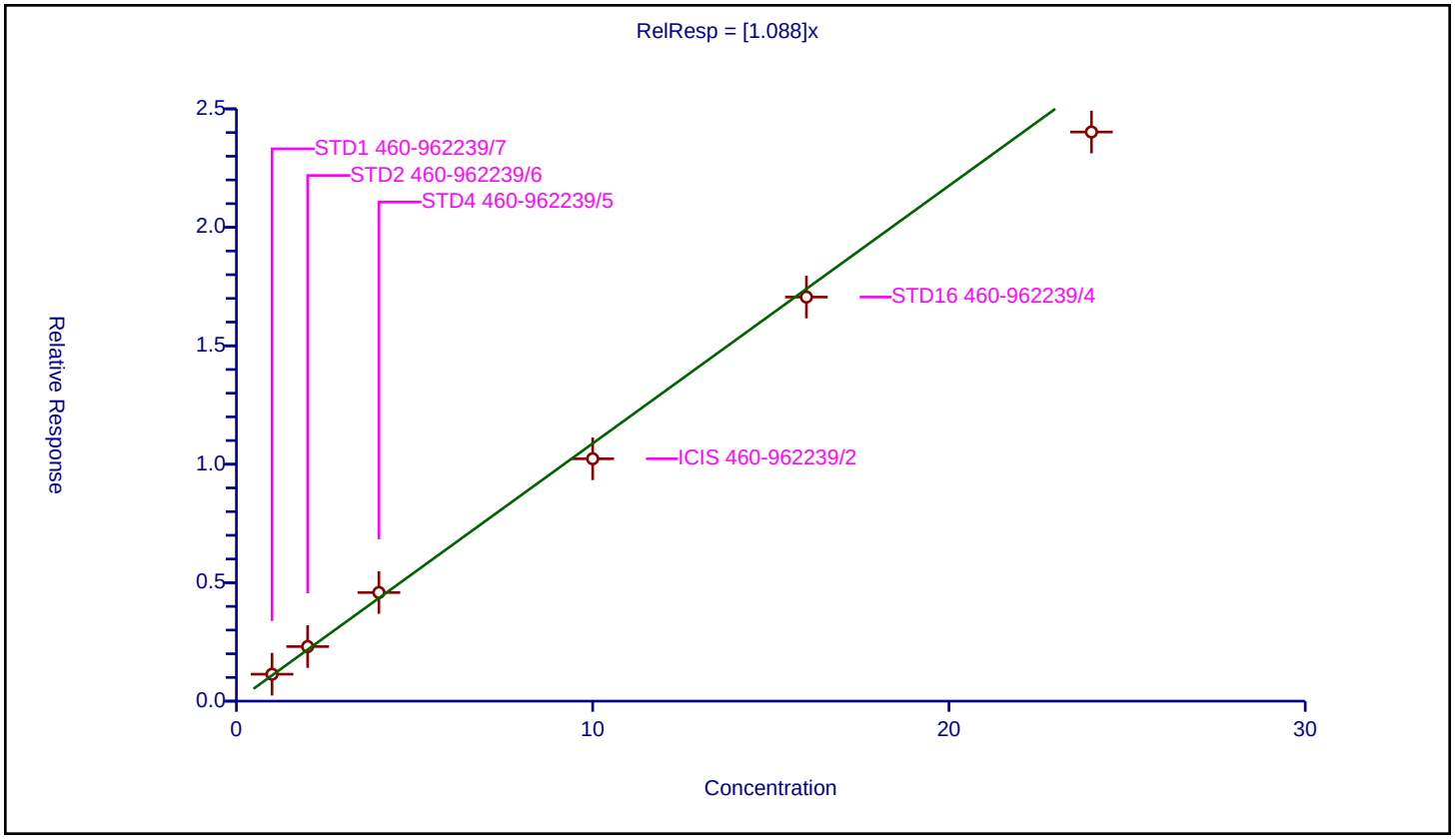
Curve Coefficients

Intercept:	0
Slope:	1.088

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.137587	8.0	2436407.0	1.137587	Y
2	STD2 460-962239/6	2.0	2.304056	8.0	1733343.0	1.152028	Y
3	STD4 460-962239/5	4.0	4.585293	8.0	1611303.0	1.146323	Y
4	ICIS 460-962239/2	10.0	10.23151	8.0	1644476.0	1.023151	Y
5	STD16 460-962239/4	16.0	17.057383	8.0	1428712.0	1.066086	Y
6	STD24 460-962239/3	24.0	24.024458	8.0	1582493.0	1.001019	Y



Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

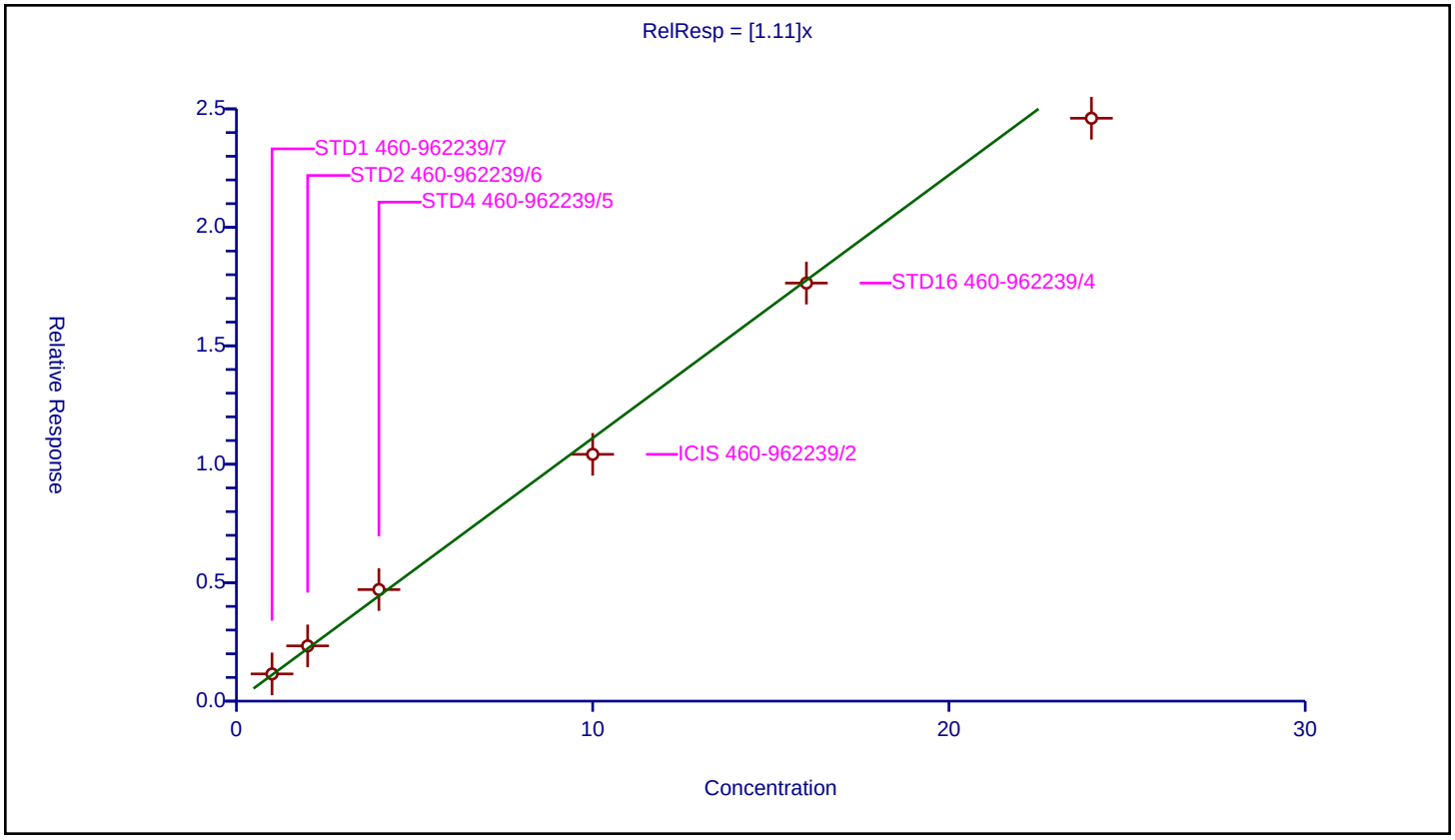
Curve Coefficients

Intercept:	0
Slope:	1.11

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.148728	8.0	2436407.0	1.148728	Y
2	STD2 460-962239/6	2.0	2.332487	8.0	1733343.0	1.166243	Y
3	STD4 460-962239/5	4.0	4.709113	8.0	1611303.0	1.177278	Y
4	ICIS 460-962239/2	10.0	10.417645	8.0	1644476.0	1.041765	Y
5	STD16 460-962239/4	16.0	17.647436	8.0	1428712.0	1.102965	Y
6	STD24 460-962239/3	24.0	24.605475	8.0	1582493.0	1.025228	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

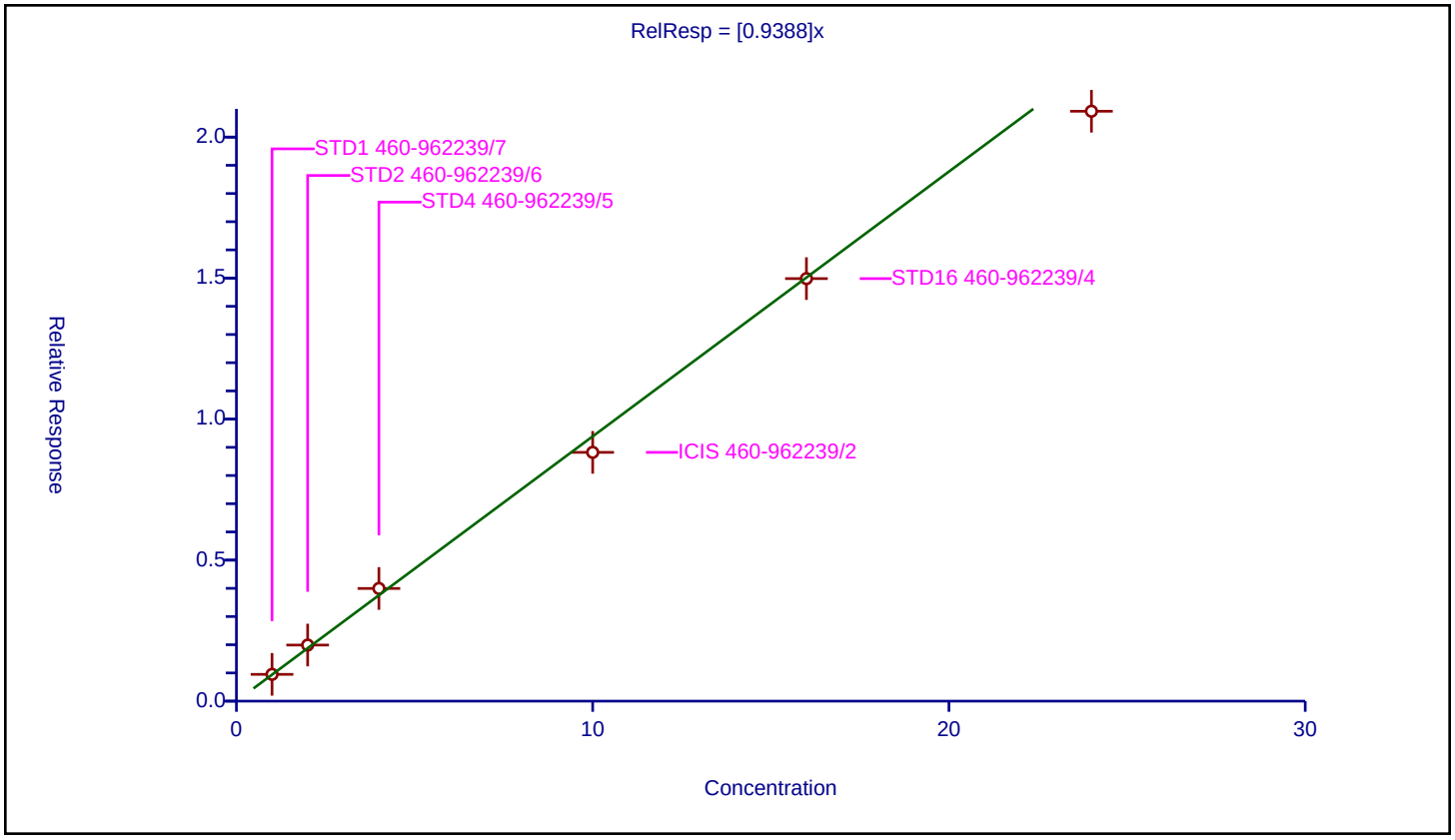
Curve Coefficients

Intercept:	0
Slope:	0.9388

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.949864	8.0	2436407.0	0.949864	Y
2	STD2 460-962239/6	2.0	1.988287	8.0	1733343.0	0.994144	Y
3	STD4 460-962239/5	4.0	3.99547	8.0	1611303.0	0.998867	Y
4	ICIS 460-962239/2	10.0	8.821071	8.0	1644476.0	0.882107	Y
5	STD16 460-962239/4	16.0	14.982401	8.0	1428712.0	0.9364	Y
6	STD24 460-962239/3	24.0	20.916733	8.0	1582493.0	0.871531	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

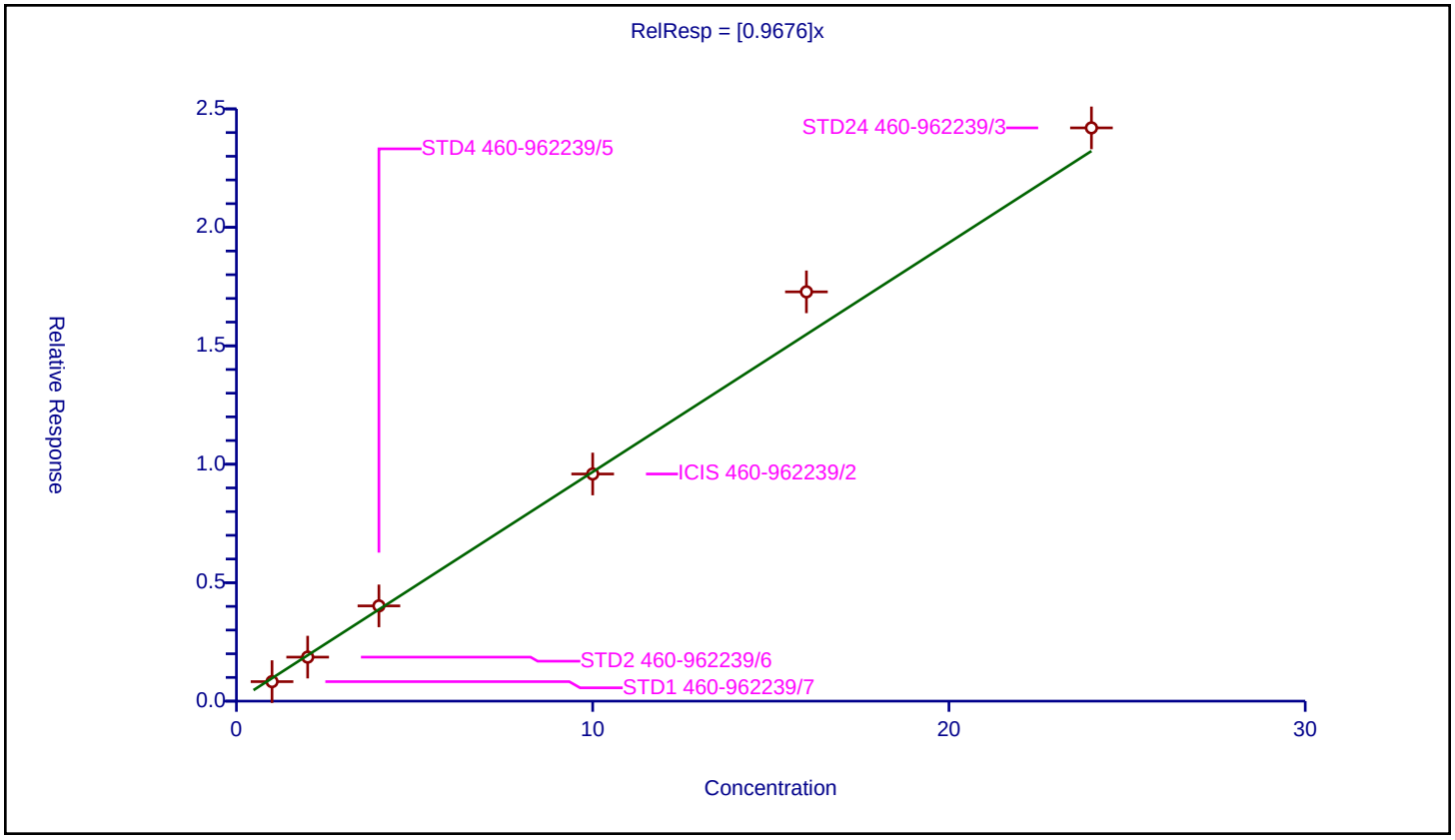
Curve Coefficients

Intercept:	0
Slope:	0.9676

Error Coefficients

Relative Standard Deviation:	9.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.824007	8.0	2436407.0	0.824007	Y
2	STD2 460-962239/6	2.0	1.858411	8.0	1733343.0	0.929206	Y
3	STD4 460-962239/5	4.0	4.020935	8.0	1611303.0	1.005234	Y
4	ICIS 460-962239/2	10.0	9.58826	8.0	1644476.0	0.958826	Y
5	STD16 460-962239/4	16.0	17.277766	8.0	1428712.0	1.07986	Y
6	STD24 460-962239/3	24.0	24.198274	8.0	1582493.0	1.008261	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

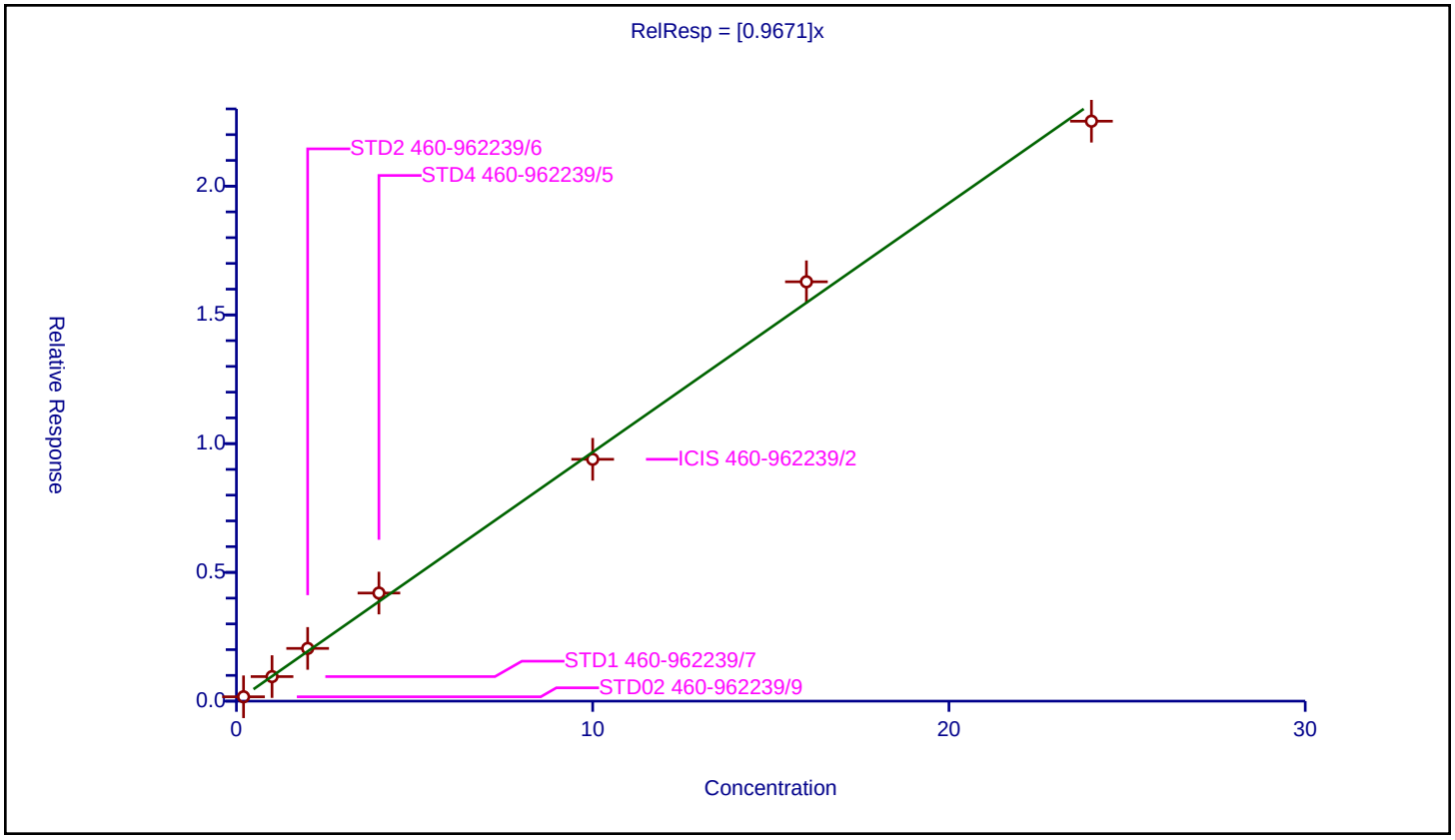
Curve Coefficients

Intercept:	0
Slope:	0.9671

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.169511	8.0	1766025.0	0.847553	Y
2	STD1 460-962239/7	1.0	0.953066	8.0	2436407.0	0.953066	Y
3	STD2 460-962239/6	2.0	2.047807	8.0	1733343.0	1.023904	Y
4	STD4 460-962239/5	4.0	4.198118	8.0	1611303.0	1.049529	Y
5	ICIS 460-962239/2	10.0	9.392458	8.0	1644476.0	0.939246	Y
6	STD16 460-962239/4	16.0	16.285717	8.0	1428712.0	1.017857	Y
7	STD24 460-962239/3	24.0	22.521917	8.0	1582493.0	0.938413	Y



Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

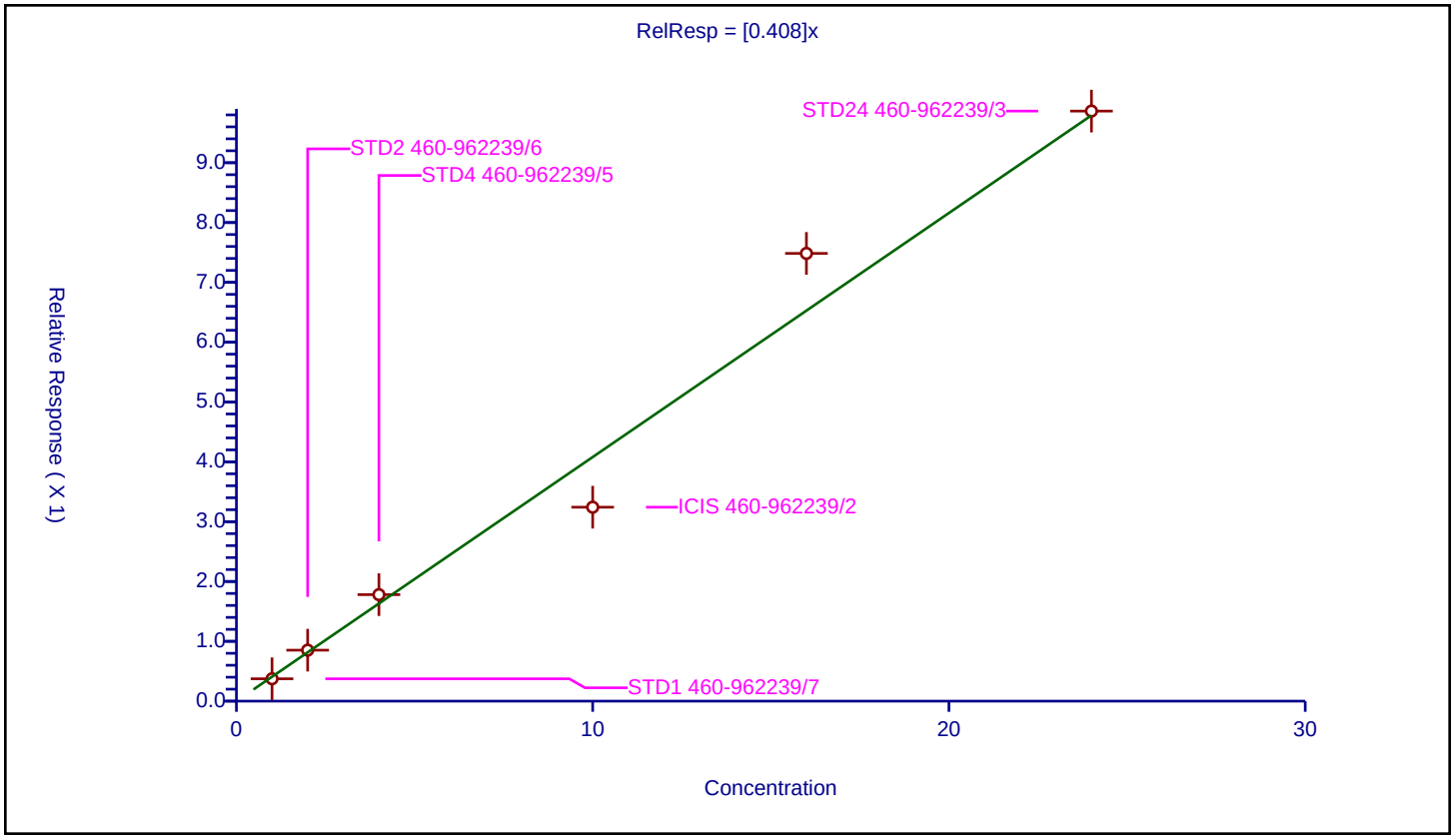
Curve Coefficients

Intercept:	0
Slope:	0.408

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.373974	8.0	2436407.0	0.373974	Y
2	STD2 460-962239/6	2.0	0.852088	8.0	1733343.0	0.426044	Y
3	STD4 460-962239/5	4.0	1.78004	8.0	1611303.0	0.44501	Y
4	ICIS 460-962239/2	10.0	3.241645	8.0	1644476.0	0.324165	Y
5	STD16 460-962239/4	16.0	7.484319	8.0	1428712.0	0.46777	Y
6	STD24 460-962239/3	24.0	9.863328	8.0	1582493.0	0.410972	Y



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Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

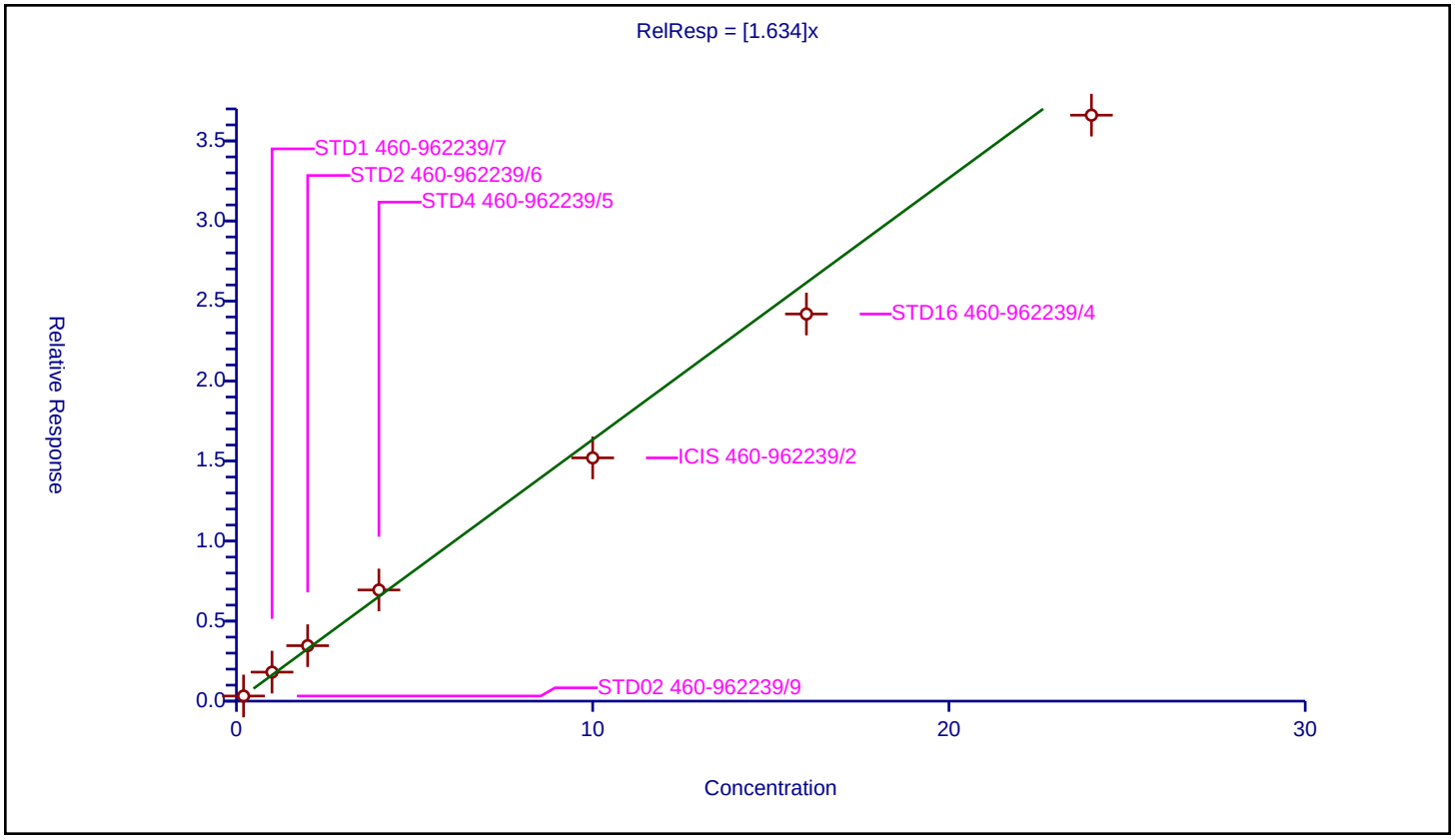
Curve Coefficients

Intercept:	0
Slope:	1.634

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.319702	8.0	1029833.0	1.598512	Y
2	STD1 460-962239/7	1.0	1.812947	8.0	1358632.0	1.812947	Y
3	STD2 460-962239/6	2.0	3.465767	8.0	1057343.0	1.732883	Y
4	STD4 460-962239/5	4.0	6.944384	8.0	999409.0	1.736096	Y
5	ICIS 460-962239/2	10.0	15.197597	8.0	1042469.0	1.51976	Y
6	STD16 460-962239/4	16.0	24.186857	8.0	970367.0	1.511679	Y
7	STD24 460-962239/3	24.0	36.609682	8.0	965736.0	1.525403	Y



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Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

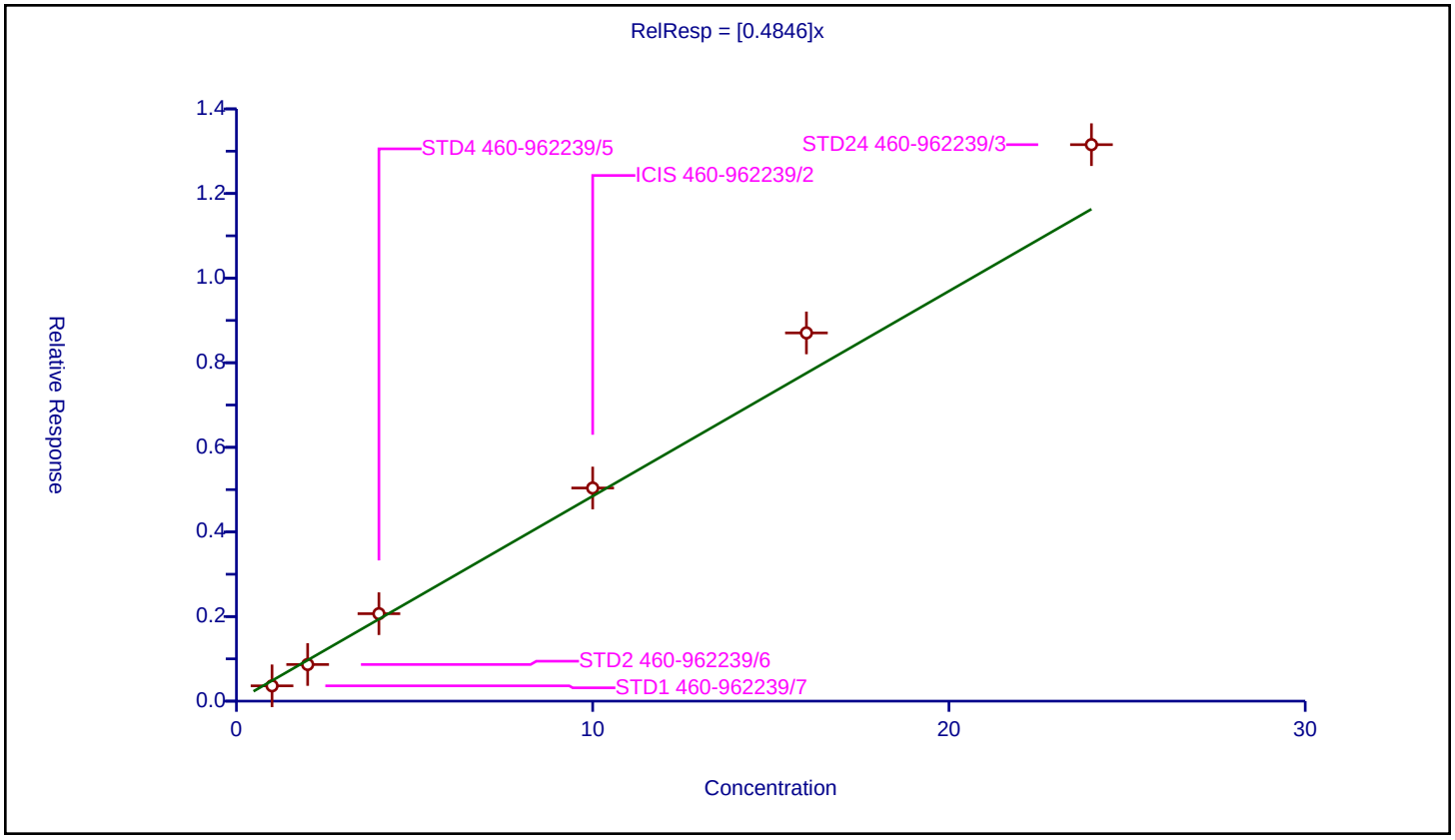
Curve Coefficients

Intercept:	0
Slope:	0.4846

Error Coefficients

Relative Standard Deviation:	15.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.361858	8.0	1358632.0	0.361858	Y
2	STD2 460-962239/6	2.0	0.866209	8.0	1057343.0	0.433104	Y
3	STD4 460-962239/5	4.0	2.066958	8.0	999409.0	0.516739	Y
4	ICIS 460-962239/2	10.0	5.038016	8.0	1042469.0	0.503802	Y
5	STD16 460-962239/4	16.0	8.704402	8.0	970367.0	0.544025	Y
6	STD24 460-962239/3	24.0	13.154734	8.0	965736.0	0.548114	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

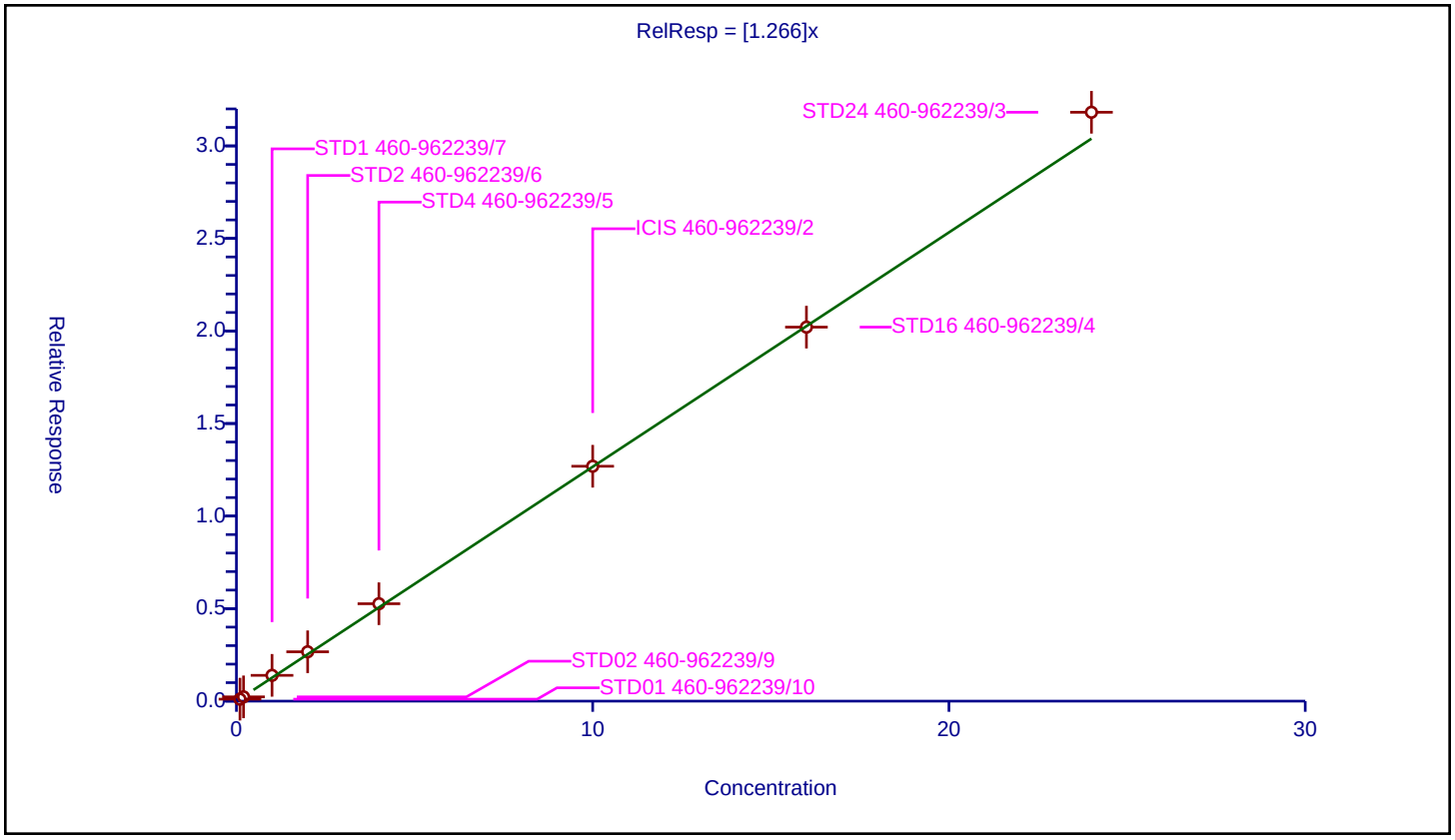
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.107183	8.0	1003893.0	1.071827	Y
2	STD02 460-962239/9	0.2	0.231587	8.0	1029833.0	1.157935	Y
3	STD1 460-962239/7	1.0	1.39319	8.0	1358632.0	1.39319	Y
4	STD2 460-962239/6	2.0	2.667093	8.0	1057343.0	1.333546	Y
5	STD4 460-962239/5	4.0	5.263127	8.0	999409.0	1.315782	Y
6	ICIS 460-962239/2	10.0	12.692429	8.0	1042469.0	1.269243	Y
7	STD16 460-962239/4	16.0	20.20814	8.0	970367.0	1.263009	Y
8	STD24 460-962239/3	24.0	31.816778	8.0	965736.0	1.325699	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

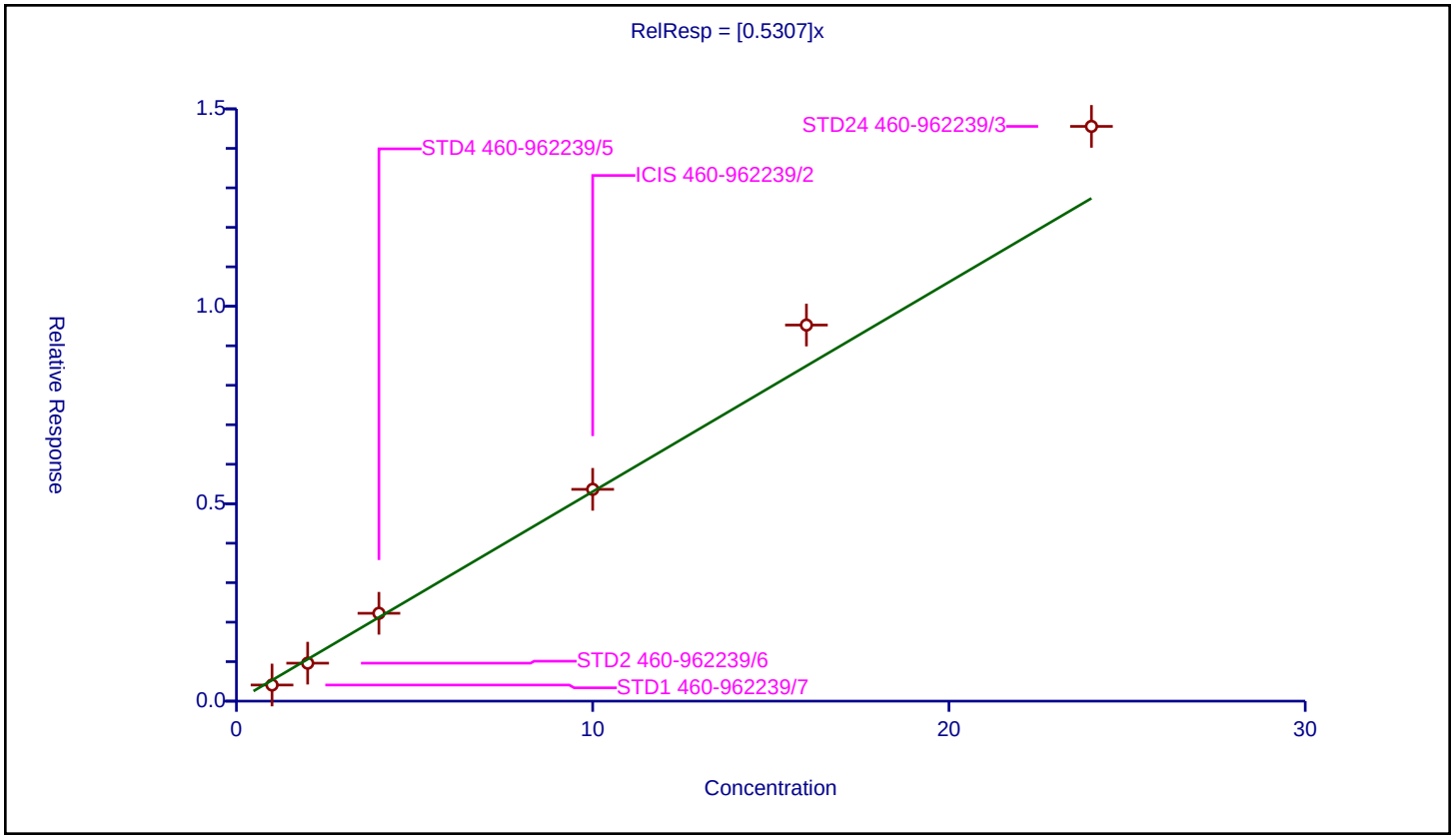
Curve Coefficients

Intercept:	0
Slope:	0.5307

Error Coefficients

Relative Standard Deviation:	14.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.40844	8.0	1358632.0	0.40844	Y
2	STD2 460-962239/6	2.0	0.96161	8.0	1057343.0	0.480805	Y
3	STD4 460-962239/5	4.0	2.225379	8.0	999409.0	0.556345	Y
4	ICIS 460-962239/2	10.0	5.364649	8.0	1042469.0	0.536465	Y
5	STD16 460-962239/4	16.0	9.525485	8.0	970367.0	0.595343	Y
6	STD24 460-962239/3	24.0	14.556732	8.0	965736.0	0.60653	Y



Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

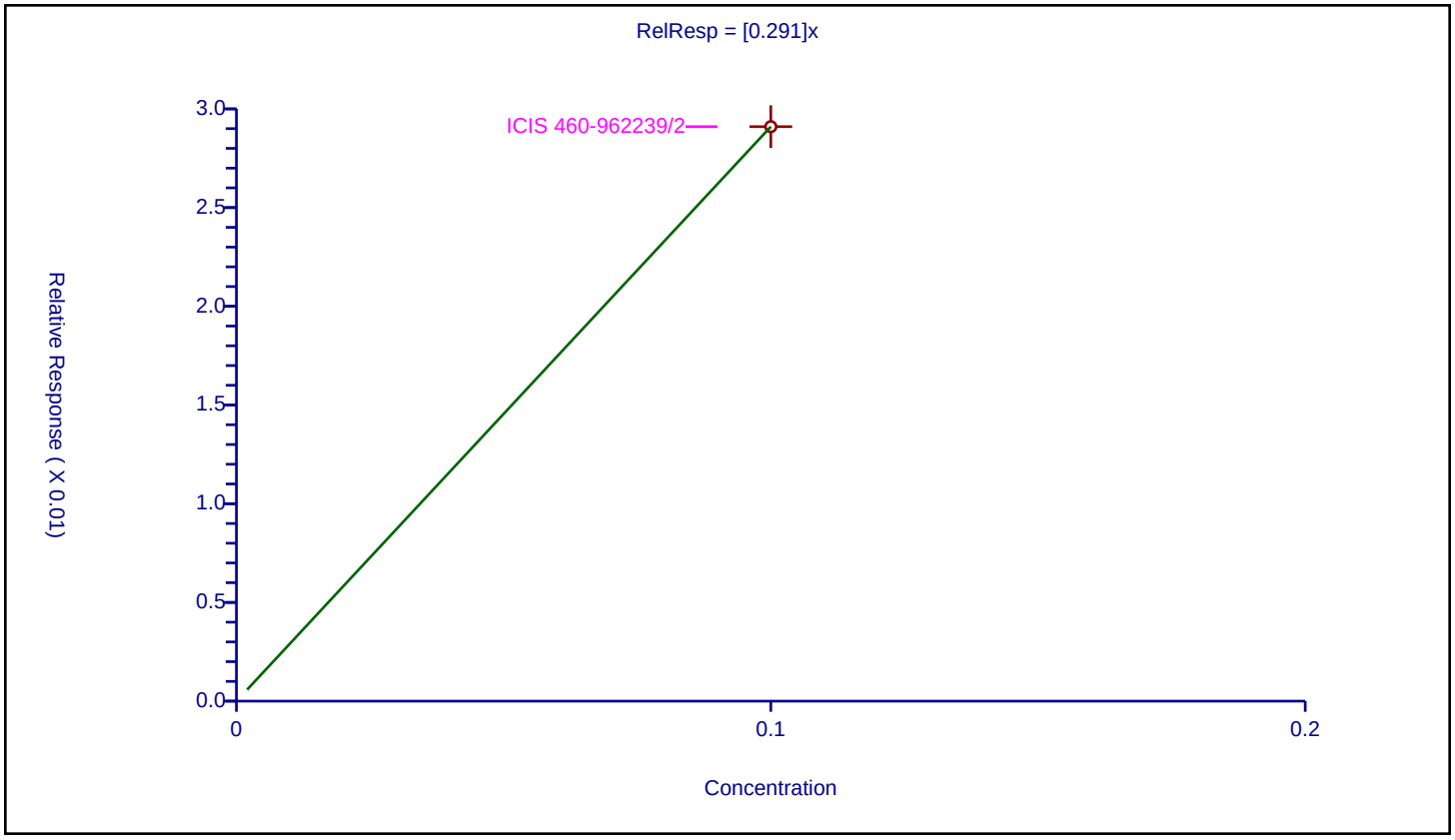
Curve Coefficients

Intercept:	0
Slope:	0.291

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-962239/2	0.1	0.0291	8.0	1042469.0	0.291001	Y



Calibration / Carbamazepine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

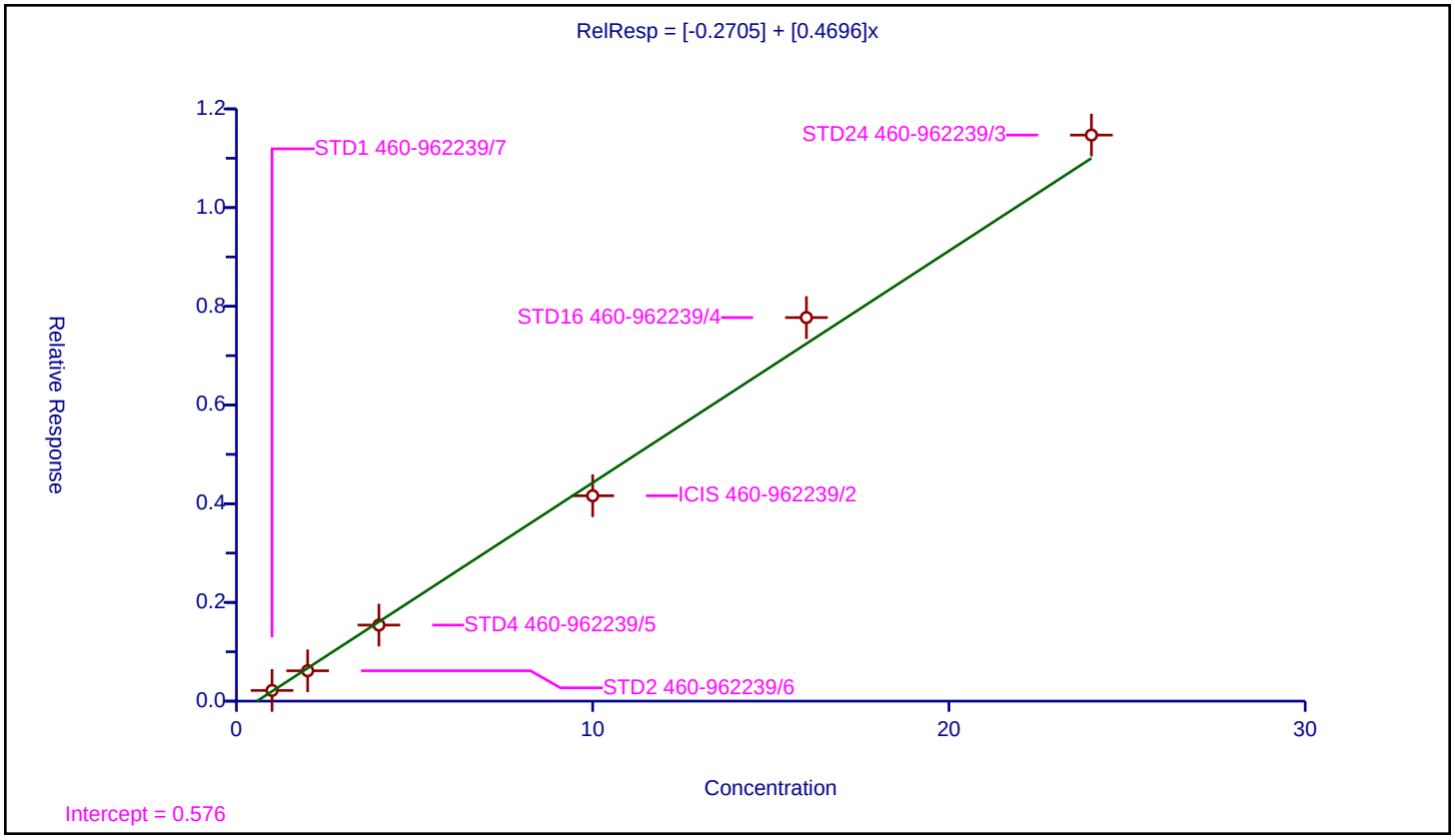
Curve Coefficients

Intercept:	-0.2705
Slope:	0.4696

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.216406	8.0	1358632.0	0.216406	Y
2	STD2 460-962239/6	2.0	0.615346	8.0	1057343.0	0.307673	Y
3	STD4 460-962239/5	4.0	1.541207	8.0	999409.0	0.385302	Y
4	ICIS 460-962239/2	10.0	4.161674	8.0	1042469.0	0.416167	Y
5	STD16 460-962239/4	16.0	7.771608	8.0	970367.0	0.485726	Y
6	STD24 460-962239/3	24.0	11.469395	8.0	965736.0	0.477891	Y



Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

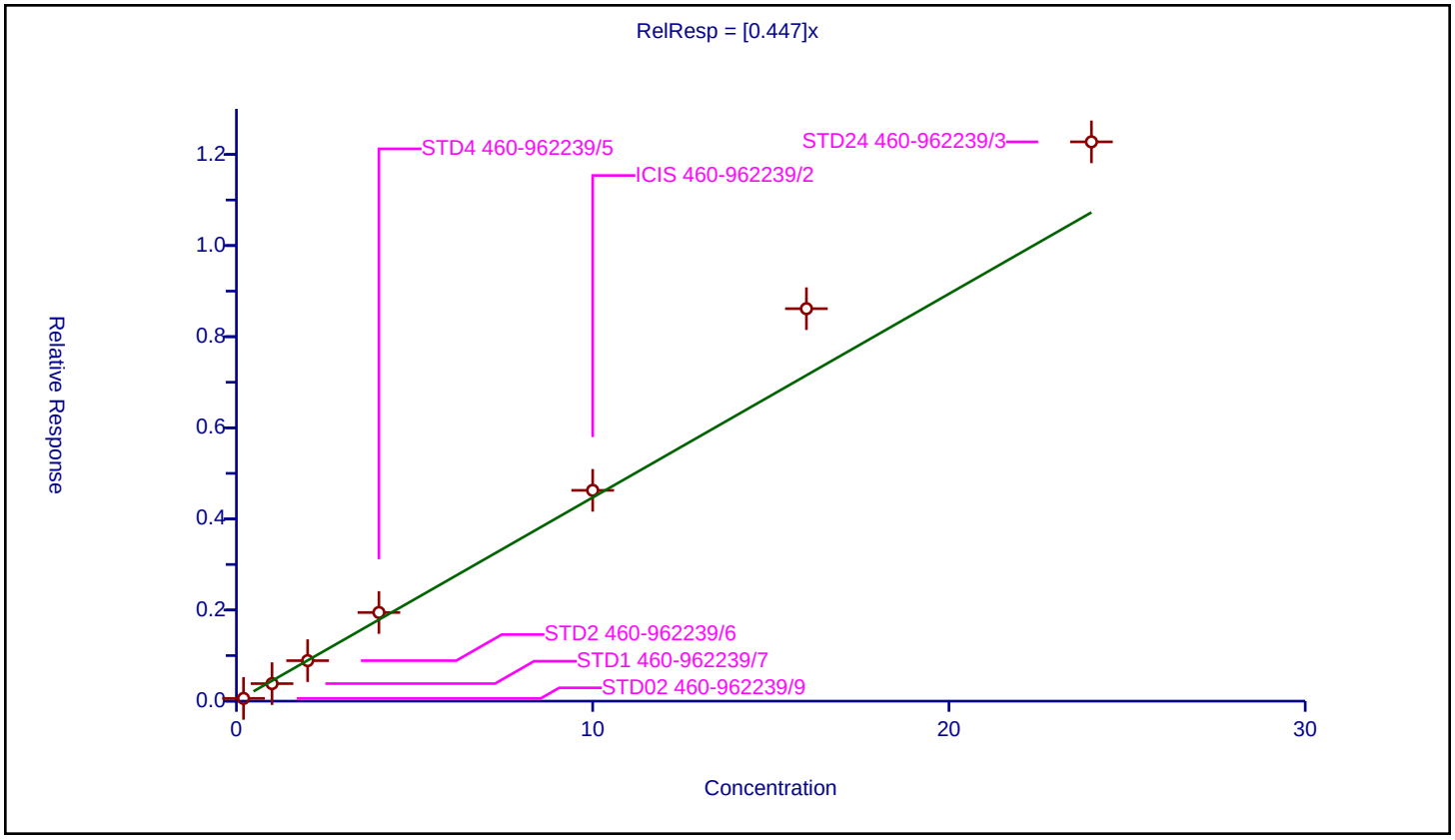
Curve Coefficients

Intercept:	0
Slope:	0.447

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.060204	8.0	1029833.0	0.30102	Y
2	STD1 460-962239/7	1.0	0.384328	8.0	1358632.0	0.384328	Y
3	STD2 460-962239/6	2.0	0.889172	8.0	1057343.0	0.444586	Y
4	STD4 460-962239/5	4.0	1.946206	8.0	999409.0	0.486552	Y
5	ICIS 460-962239/2	10.0	4.62723	8.0	1042469.0	0.462723	Y
6	STD16 460-962239/4	16.0	8.61453	8.0	970367.0	0.538408	Y
7	STD24 460-962239/3	24.0	12.276133	8.0	965736.0	0.511506	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

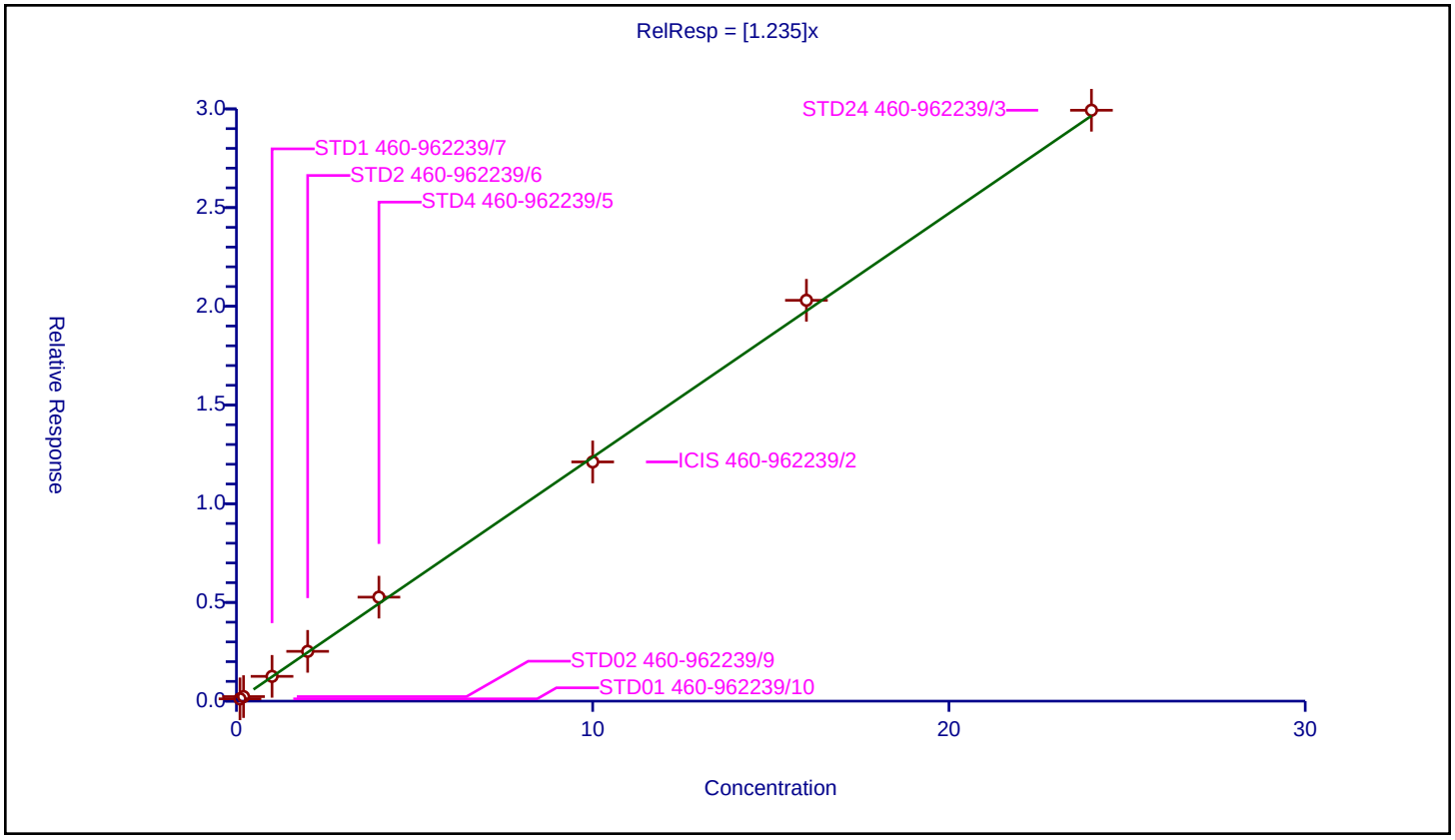
Curve Coefficients

Intercept:	0
Slope:	1.235

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.117176	8.0	1003893.0	1.171758	Y
2	STD02 460-962239/9	0.2	0.23015	8.0	1029833.0	1.15075	Y
3	STD1 460-962239/7	1.0	1.255422	8.0	1358632.0	1.255422	Y
4	STD2 460-962239/6	2.0	2.521536	8.0	1057343.0	1.260768	Y
5	STD4 460-962239/5	4.0	5.267185	8.0	999409.0	1.316796	Y
6	ICIS 460-962239/2	10.0	12.117755	8.0	1042469.0	1.211776	Y
7	STD16 460-962239/4	16.0	20.305431	8.0	970367.0	1.269089	Y
8	STD24 460-962239/3	24.0	29.931344	8.0	965736.0	1.247139	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

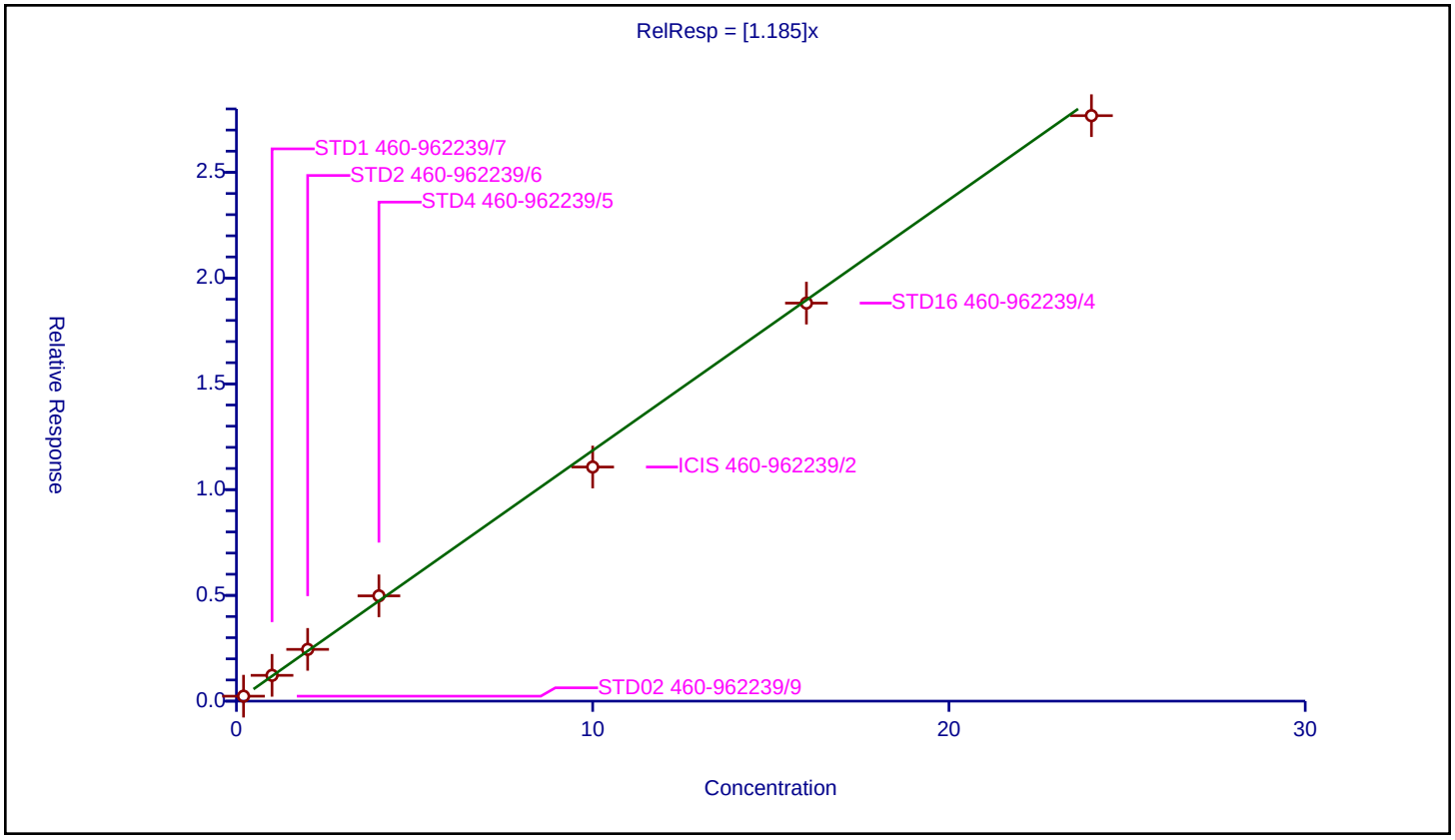
Curve Coefficients

Intercept:	0
Slope:	1.185

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.234283	8.0	1029833.0	1.171413	Y
2	STD1 460-962239/7	1.0	1.220027	8.0	1358632.0	1.220027	Y
3	STD2 460-962239/6	2.0	2.447312	8.0	1057343.0	1.223656	Y
4	STD4 460-962239/5	4.0	4.978278	8.0	999409.0	1.24457	Y
5	ICIS 460-962239/2	10.0	11.068415	8.0	1042469.0	1.106842	Y
6	STD16 460-962239/4	16.0	18.818134	8.0	970367.0	1.176133	Y
7	STD24 460-962239/3	24.0	27.679548	8.0	965736.0	1.153315	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

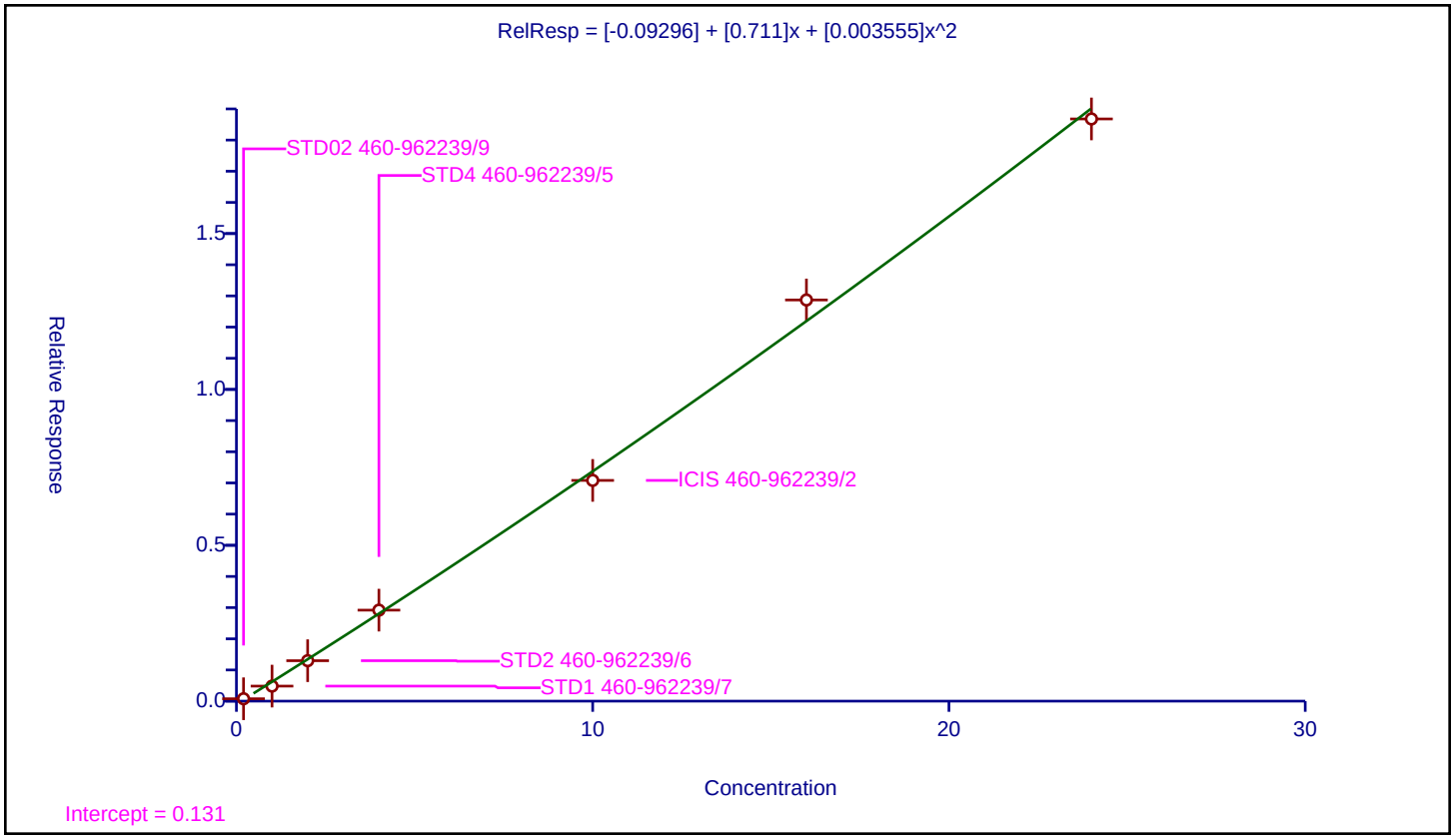
Curve Coefficients

Intercept:	-0.09296
Slope:	0.711
Second Order:	0.003555

Error Coefficients

Relative Standard Deviation:	14.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962239/9	0.2	0.076455	8.0	1029833.0	0.382276	Y
2	STD1 460-962239/7	1.0	0.482167	8.0	1358632.0	0.482167	Y
3	STD2 460-962239/6	2.0	1.297252	8.0	1057343.0	0.648626	Y
4	STD4 460-962239/5	4.0	2.919245	8.0	999409.0	0.729811	Y
5	ICIS 460-962239/2	10.0	7.080943	8.0	1042469.0	0.708094	Y
6	STD16 460-962239/4	16.0	12.86991	8.0	970367.0	0.804369	Y
7	STD24 460-962239/3	24.0	18.678231	8.0	965736.0	0.77826	Y



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

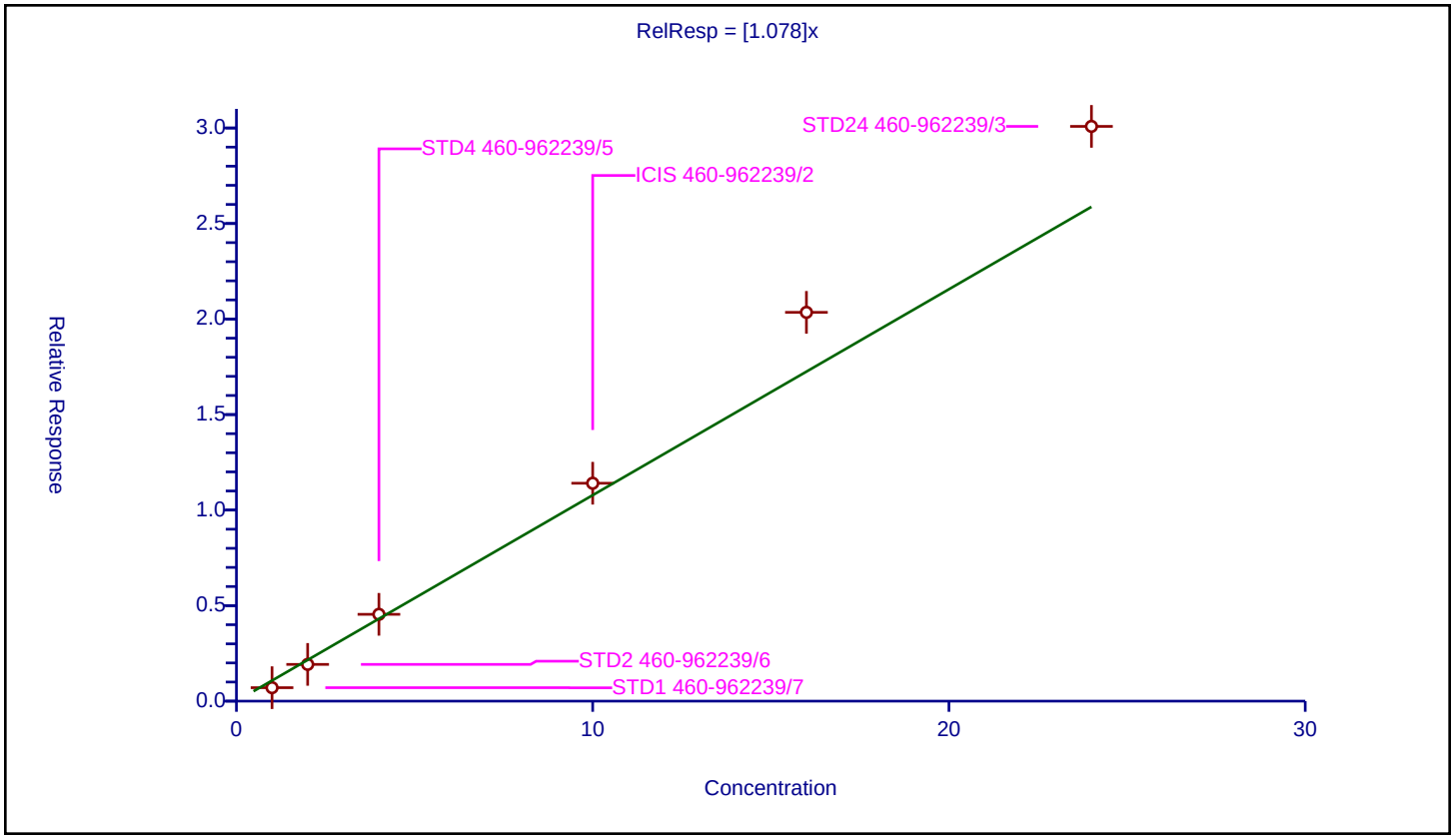
Curve Coefficients

Intercept:	0
Slope:	1.078

Error Coefficients

Relative Standard Deviation:	19.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	0.704316	8.0	1202086.0	0.704316	Y
2	STD2 460-962239/6	2.0	1.923452	8.0	1057220.0	0.961726	Y
3	STD4 460-962239/5	4.0	4.543854	8.0	1016339.0	1.135963	Y
4	ICIS 460-962239/2	10.0	11.40609	8.0	1073792.0	1.140609	Y
5	STD16 460-962239/4	16.0	20.350514	8.0	1047352.0	1.271907	Y
6	STD24 460-962239/3	24.0	30.084602	8.0	1004892.0	1.253525	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

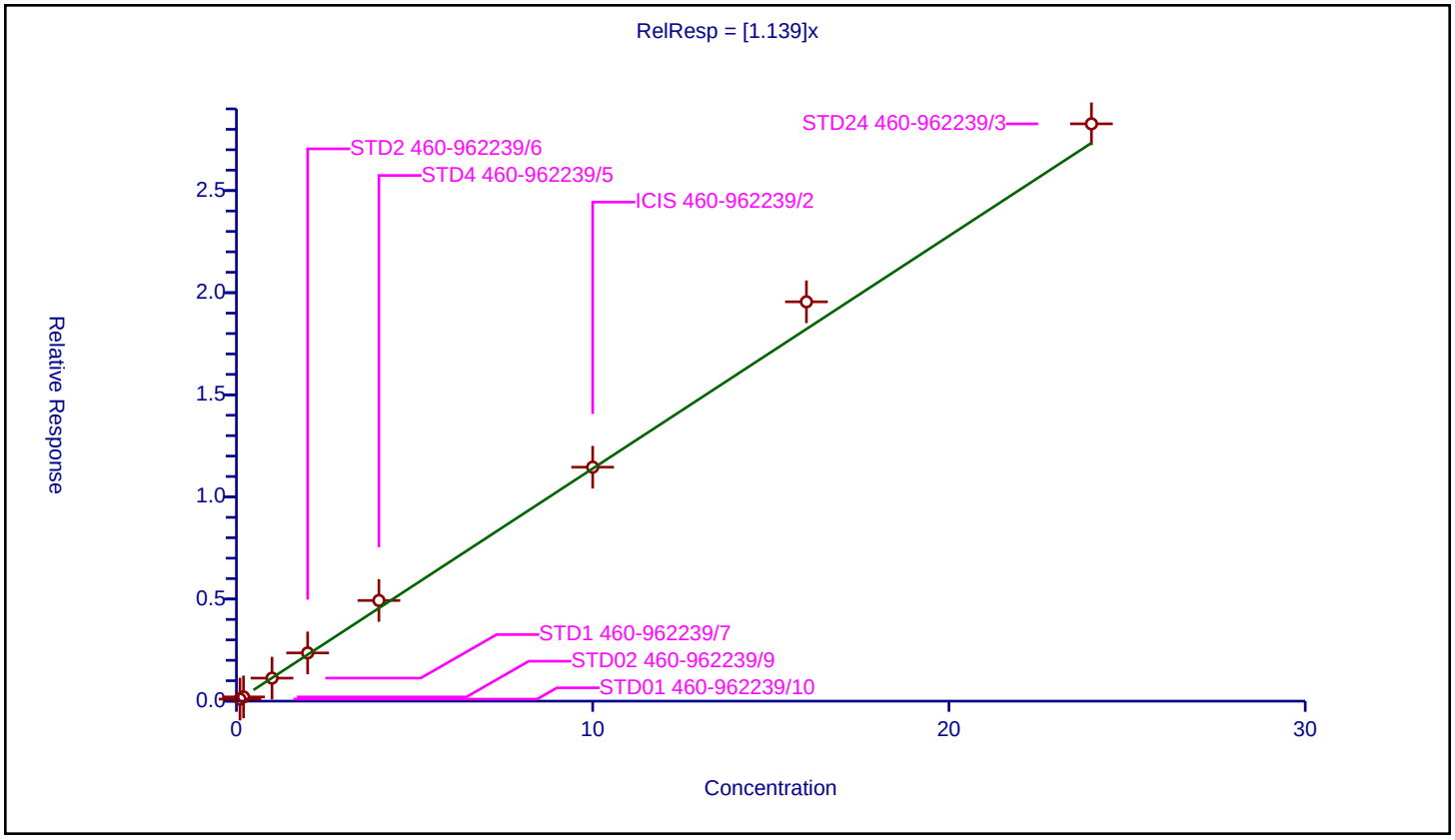
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.09916	8.0	991773.0	0.991598	Y
2	STD02 460-962239/9	0.2	0.206528	8.0	1031184.0	1.032638	Y
3	STD1 460-962239/7	1.0	1.127487	8.0	1202086.0	1.127487	Y
4	STD2 460-962239/6	2.0	2.36156	8.0	1057220.0	1.18078	Y
5	STD4 460-962239/5	4.0	4.929426	8.0	1016339.0	1.232357	Y
6	ICIS 460-962239/2	10.0	11.456558	8.0	1073792.0	1.145656	Y
7	STD16 460-962239/4	16.0	19.553503	8.0	1047352.0	1.222094	Y
8	STD24 460-962239/3	24.0	28.268702	8.0	1004892.0	1.177863	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

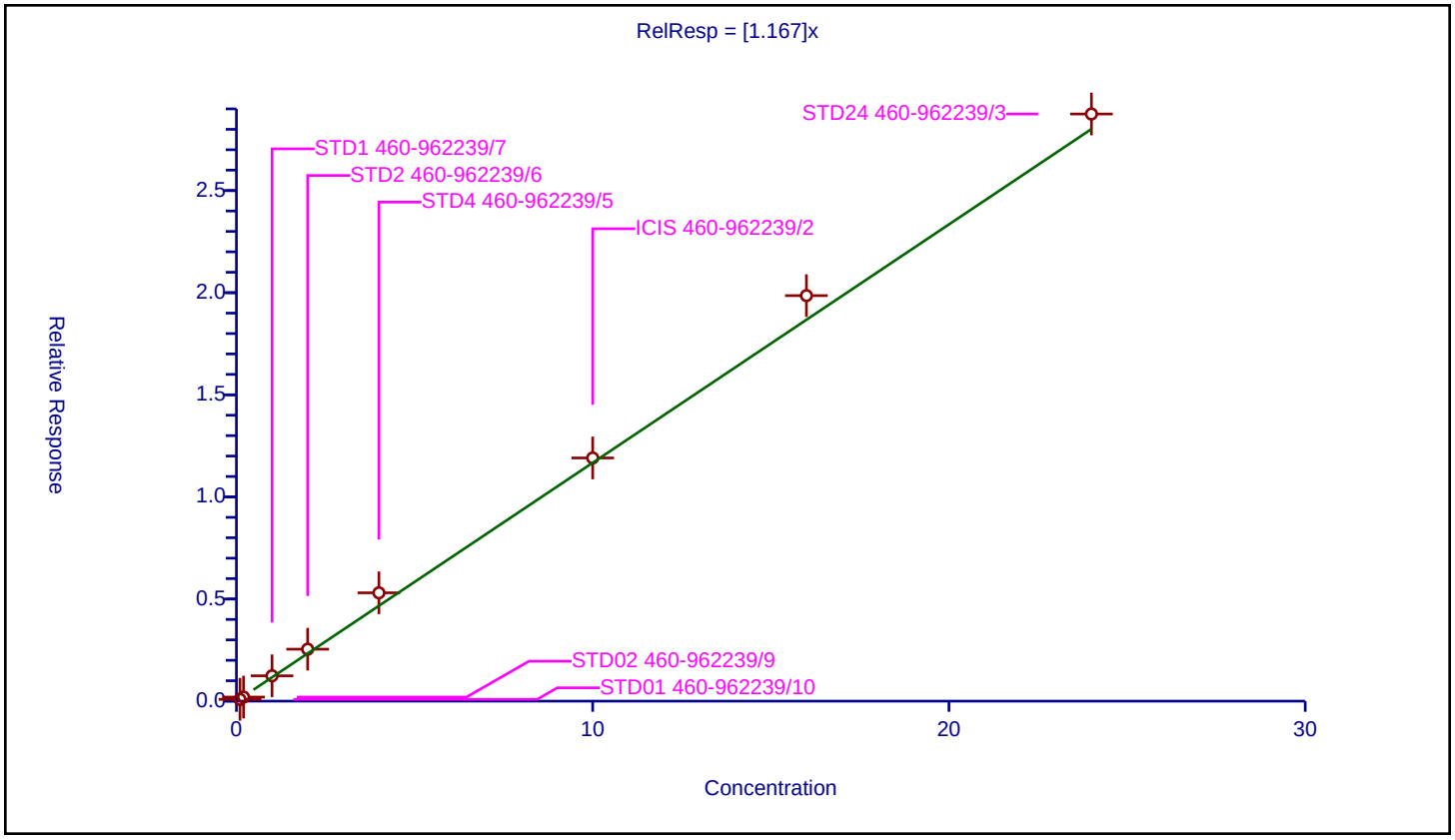
Curve Coefficients

Intercept:	0
Slope:	1.167

Error Coefficients

Relative Standard Deviation:	13.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.087391	8.0	991773.0	0.87391	Y
2	STD02 460-962239/9	0.2	0.199033	8.0	1031184.0	0.995167	Y
3	STD1 460-962239/7	1.0	1.240277	8.0	1202086.0	1.240277	Y
4	STD2 460-962239/6	2.0	2.543781	8.0	1057220.0	1.27189	Y
5	STD4 460-962239/5	4.0	5.304317	8.0	1016339.0	1.326079	Y
6	ICIS 460-962239/2	10.0	11.90825	8.0	1073792.0	1.190825	Y
7	STD16 460-962239/4	16.0	19.856194	8.0	1047352.0	1.241012	Y
8	STD24 460-962239/3	24.0	28.750059	8.0	1004892.0	1.197919	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

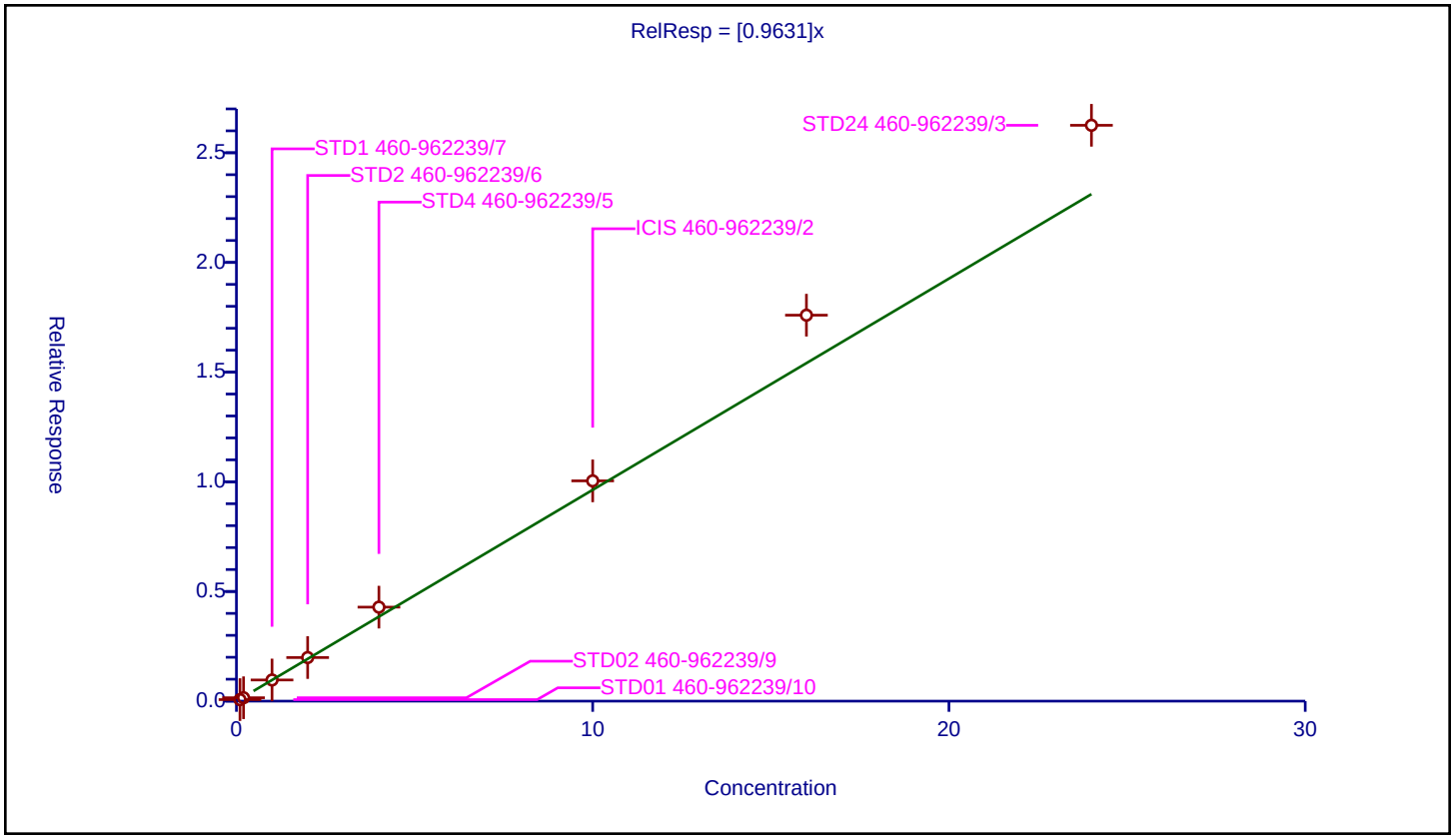
Curve Coefficients

Intercept:	0
Slope:	0.9631

Error Coefficients

Relative Standard Deviation:	15.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.070185	8.0	991773.0	0.701854	Y
2	STD02 460-962239/9	0.2	0.155076	8.0	1031184.0	0.775381	Y
3	STD1 460-962239/7	1.0	0.964537	8.0	1202086.0	0.964537	Y
4	STD2 460-962239/6	2.0	1.987635	8.0	1057220.0	0.993818	Y
5	STD4 460-962239/5	4.0	4.285861	8.0	1016339.0	1.071465	Y
6	ICIS 460-962239/2	10.0	10.042049	8.0	1073792.0	1.004205	Y
7	STD16 460-962239/4	16.0	17.595788	8.0	1047352.0	1.099737	Y
8	STD24 460-962239/3	24.0	26.252095	8.0	1004892.0	1.093837	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

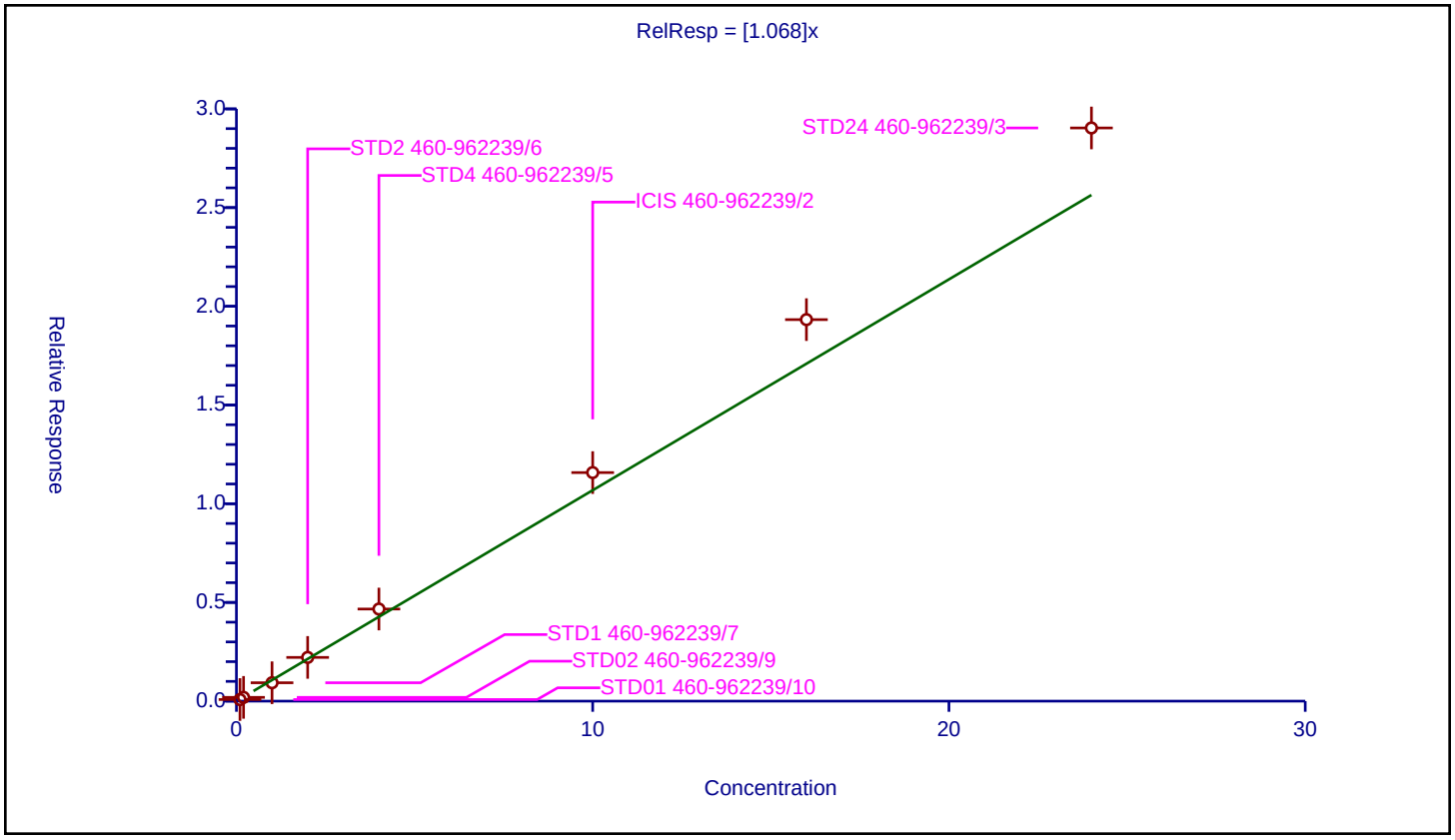
Curve Coefficients

Intercept:	0
Slope:	1.068

Error Coefficients

Relative Standard Deviation:	14.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.081067	8.0	991773.0	0.810669	Y
2	STD02 460-962239/9	0.2	0.19088	8.0	1031184.0	0.954398	Y
3	STD1 460-962239/7	1.0	0.932113	8.0	1202086.0	0.932113	Y
4	STD2 460-962239/6	2.0	2.214071	8.0	1057220.0	1.107035	Y
5	STD4 460-962239/5	4.0	4.665939	8.0	1016339.0	1.166485	Y
6	ICIS 460-962239/2	10.0	11.577676	8.0	1073792.0	1.157768	Y
7	STD16 460-962239/4	16.0	19.325339	8.0	1047352.0	1.207834	Y
8	STD24 460-962239/3	24.0	29.033624	8.0	1004892.0	1.209734	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

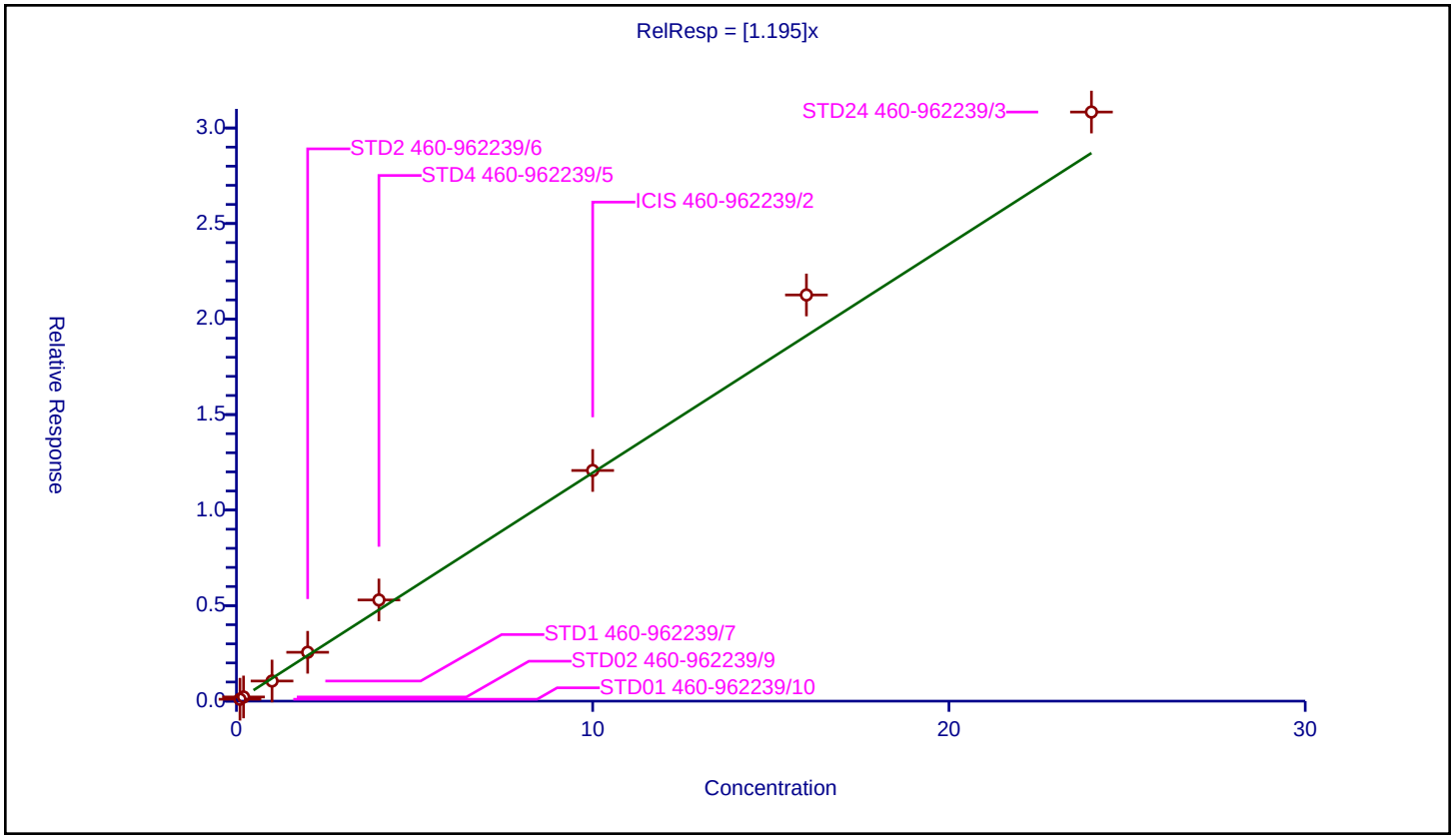
Curve Coefficients

Intercept:	0
Slope:	1.195

Error Coefficients

Relative Standard Deviation:	11.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962239/10	0.1	0.099531	8.0	991773.0	0.995308	Y
2	STD02 460-962239/9	0.2	0.218141	8.0	1031184.0	1.090707	Y
3	STD1 460-962239/7	1.0	1.053535	8.0	1202086.0	1.053535	Y
4	STD2 460-962239/6	2.0	2.558075	8.0	1057220.0	1.279037	Y
5	STD4 460-962239/5	4.0	5.295784	8.0	1016339.0	1.323946	Y
6	ICIS 460-962239/2	10.0	12.073966	8.0	1073792.0	1.207397	Y
7	STD16 460-962239/4	16.0	21.260413	8.0	1047352.0	1.328776	Y
8	STD24 460-962239/3	24.0	30.835505	8.0	1004892.0	1.284813	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

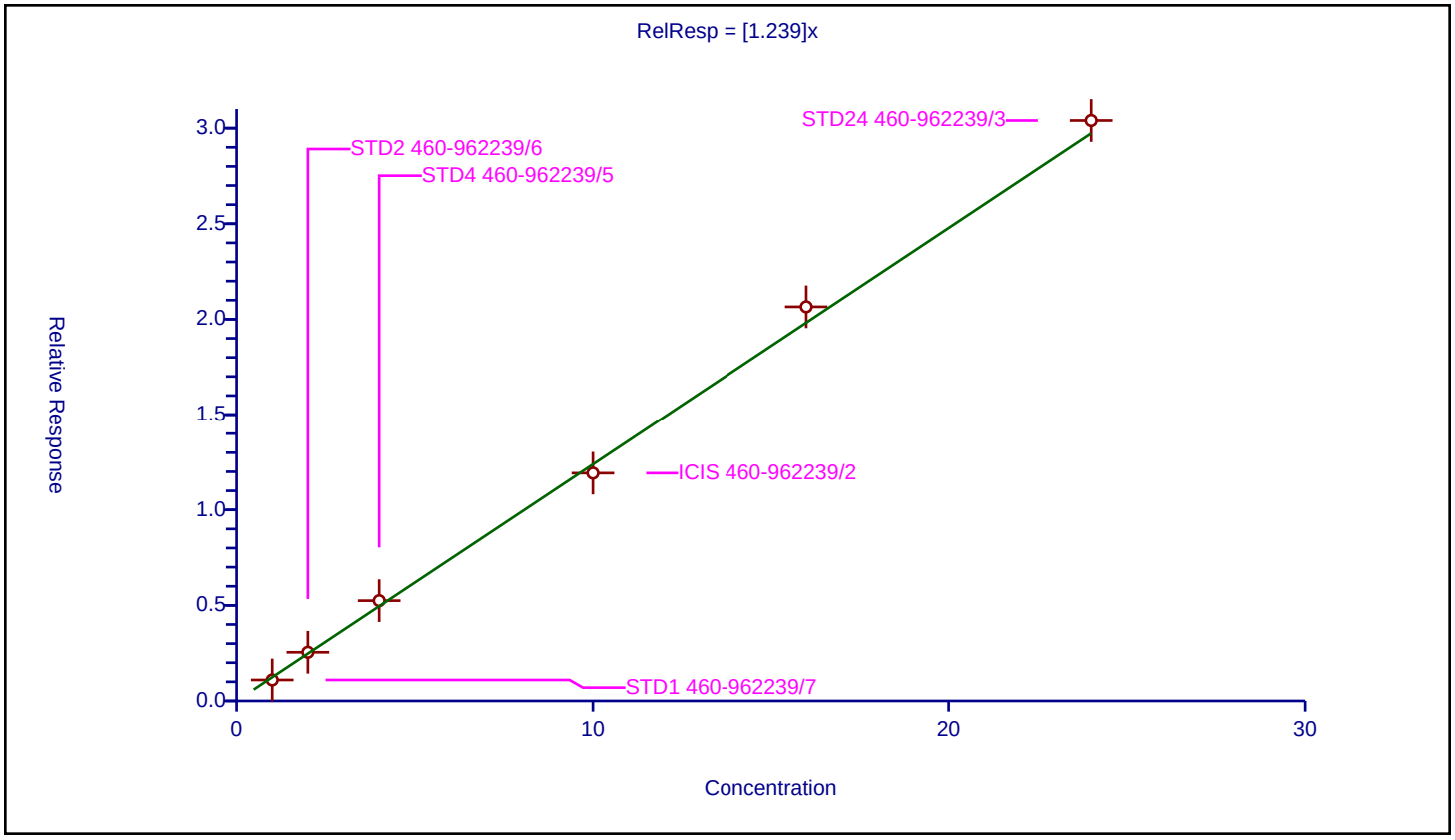
Curve Coefficients

Intercept:	0
Slope:	1.239

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962239/7	1.0	1.097652	8.0	1202086.0	1.097652	Y
2	STD2 460-962239/6	2.0	2.546687	8.0	1057220.0	1.273343	Y
3	STD4 460-962239/5	4.0	5.246187	8.0	1016339.0	1.311547	Y
4	ICIS 460-962239/2	10.0	11.92634	8.0	1073792.0	1.192634	Y
5	STD16 460-962239/4	16.0	20.652816	8.0	1047352.0	1.290801	Y
6	STD24 460-962239/3	24.0	30.400322	8.0	1004892.0	1.26668	Y



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.5722	0.5192	0.5547	0.5450 0.5535	0.5719	Ave		0.5527			0.0100	3.6		20.0			
N-Nitrosodimethylamine	0.8696	0.8088	0.8568	0.8028 0.8513	0.8403	Ave		0.8383			0.0100	3.2		20.0			
Pyridine	1.1469 1.4183	1.1719 1.1108	1.4091	1.3444 1.3010	1.4728	Ave		1.2969			0.0100	10.6		20.0			
Benzaldehyde	1.0377	0.9140 +++++	0.9380 +++++	0.9756 +++++	1.0276	Ave		0.9786			0.0100	5.5		20.0			
Aniline	1.9576	1.7519	1.8902	1.7244 1.7665	1.9184	Ave		1.8348			0.0100	5.4		20.0			
Phenol	1.8118	1.6570	1.7907	1.6452 1.7848	1.7716	Ave		1.7435			0.8000	4.2		20.0			
Bis(2-chloroethyl)ether	1.2791 1.4173	1.2597 1.3092	1.3812	1.3640 1.3576	1.4208	Ave		1.3486			0.7000	4.5		20.0			
2-Chlorophenol	1.4932	1.3438	1.4780	1.3242 1.4501	1.4222	Ave		1.4186			0.8000	4.9		20.0			
n-Decane	1.1691	1.1233	1.1594	1.1031 1.1564	1.1779	Ave		1.1482			0.0100	2.5		20.0			
1,3-Dichlorobenzene	1.6441	1.5185	1.6239	1.6415 1.6021	1.6698	Ave		1.6167			0.0100	3.3		20.0			
1,4-Dichlorobenzene	1.6903	1.5476	1.6660	1.6426 1.6513	1.6893	Ave		1.6478			0.0100	3.2		20.0			
Benzyl alcohol	0.9232	0.8914	0.9598	0.8057 0.9631	0.8804	Ave		0.9039			0.0100	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.6022	1.4918	1.5966	1.4898 1.5851	1.6117	Ave		1.5629			0.0100	3.6		20.0			
2,2'-oxybis[1-chloropropane]	1.5068	1.3883	1.4233	1.4127 1.4134	1.4707	Ave		1.4359			0.0100	3.1		20.0			
2-Methylphenol	1.2864	1.1959	1.2893	1.1554 1.2900	1.2944	Ave		1.2519			0.7000	4.8		20.0			
N-Methylaniline	1.4996 2.1210	1.6809 2.1069	2.2264	1.9594 2.2592	2.0534	Ave		1.9884			0.0100	13.4		20.0			
Acetophenone	2.0115	1.9027	1.9931	1.8085 2.0071	1.9942	Ave		1.9529			0.0100	4.2		20.0			
N-Nitrosodi-n-propylamine	0.7574 0.9522	0.7341 0.8887	0.9427	0.8830 0.9434	0.9384	Ave		0.8800			0.5000	9.9		20.0			
3 & 4 Methylphenol	1.4140	1.2734	1.3752	1.2447 1.3599	1.3750	Ave		1.3404			0.0100	4.9		20.0			
4-Methylphenol	1.4140	1.2741	1.3732	1.2447 1.3586	1.3750	Ave		1.3399			0.6000	4.9		20.0			
Hexachloroethane	0.5190 0.5935	0.5057 0.5598	0.5911	0.5561 0.5802	0.5867	Ave		0.5615			0.3000	6.0		20.0			
n,n'-Dimethylaniline	1.9721 2.1741	2.0384 2.2196	2.3266	2.0710 2.4007	2.1880	Ave		2.1738			0.0100	6.7		20.0			
Nitrobenzene	0.5826 0.7514	0.6108 0.7032	0.7591	0.6902 0.7532	0.7427	Ave		0.6991			0.2000	9.8		20.0			
Isophorone	0.6484	0.4996 0.5867	0.6418	0.5659 0.6308	0.6049	Ave		0.5969			0.4000	8.8		20.0			
2-Nitrophenol	0.2044	0.1877	0.2050	0.1771 0.1994	0.1845	Ave		0.1930			0.1000	6.0		20.0			
2,4-Dimethylphenol	0.3066	0.2999	0.3066	0.2744 0.2965	0.2882	Ave		0.2954			0.2000	4.2		20.0			
Bis(2-chloroethoxy)methane	0.4370	0.3959	0.4270	0.3964 0.4156	0.4202	Ave		0.4153			0.3000	4.0		20.0			
Benzoic acid	0.2001	0.1840	0.2297	0.1451 0.2271	0.1593	Ave		0.1909			0.0100	18.2		20.0			
2,4-Dichlorophenol	0.3125	0.2847	0.3113	0.2794 0.3040	0.2943	Ave		0.2977			0.2000	4.7		20.0			
1,2,4-Trichlorobenzene	0.3317 0.3519	0.3208 0.3180	0.3481	0.3390 0.3406	0.3472	Ave		0.3371			0.0100	3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0233 1.1471	1.0626 1.0557	1.1239	1.1203 1.0926	1.1263	Ave		1.0940			0.7000	3.9		20.0			
4-Chloroaniline	0.3101 0.4474	0.3772 0.3900	0.4227	0.4116 0.3893	0.4276	Ave		0.3970			0.0100	10.6		20.0			
2,6-Dichlorophenol	0.3105	0.2837	0.3097	0.2859 0.3039	0.2993	Ave		0.2988				3.9		20.0			
Hexachlorobutadiene	0.1892 0.1935	0.1714 0.1716	0.1933	0.1868 0.1905	0.1906	Ave		0.1859			0.0100	4.9		20.0			
Caprolactam	0.0777	0.0413 0.0746	0.0576 0.0810	0.0657 0.0824	0.0711	Lin2	-0.008	0.0787			0.0100				0.9970		0.9900
4-Chloro-3-methylphenol	0.2992	0.2728	0.2925	0.2540 0.2860	0.2809	Ave		0.2809			0.2000	5.7		20.0			
2-Methylnaphthalene	0.7494	0.6533 0.6631	0.7263	0.7070 0.7053	0.7273	Ave		0.7045			0.4000	5.0		20.0			
1-Methylnaphthalene	0.6975	0.6499 0.6251	0.6661	0.6625 0.6449	0.6762	Ave		0.6603			0.0100	3.5		20.0			
Hexachlorocyclopentadiene	0.4315	0.4254	0.4438	0.3747 0.4498	0.3966	Ave		0.4203			0.0500	6.9		20.0			
1,2,4,5-Tetrachlorobenzene	0.6466	0.5972	0.6596	0.6047 0.6371	0.6205	Ave		0.6276			0.0100	3.9		20.0			
2-tertbutyl-4-methylphenol	0.4205	0.3206 0.4125	0.4442	0.3740 0.4510	0.3948	Ave		0.4025			0.0100	11.2		20.0			
2,4,6-Trichlorophenol	0.4163	0.3354 0.3877	0.4199	0.3647 0.4066	0.3922	Ave		0.3890			0.2000	7.8		20.0			
2,4,5-Trichlorophenol	0.4442	0.4149	0.4527	0.3963 0.4444	0.4159	Ave		0.4281			0.2000	5.2		20.0			
1,1'-Biphenyl	1.7051	1.5943	1.6879	1.6305 1.6541	1.6559	Ave		1.6546			0.0100	2.4		20.0			
2-Chloronaphthalene	1.3268	1.2191	1.3068	1.2723 1.2793	1.3005	Ave		1.2841			0.8000	2.9		20.0			
Phenyl ether	0.8680	0.8618	0.9084	0.8362 0.9117	0.8476	Ave		0.8723			0.0100	3.6		20.0			
2-Nitroaniline	0.2990	0.2910	0.3073	0.2523 0.3086	0.2822	Ave		0.2901			0.0100	7.2		20.0			
1,3-Dimethylnaphthalene	0.9791	0.9843	1.0382	0.8942 1.0443	0.9534	Ave		0.9823			0.0100	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.4085	1.2821	1.3868	1.2939 1.3464	1.3852	Ave		1.3505			0.0100	3.9		20.0			
Coumarin	0.2340	0.2225	0.2315	0.2119 0.2352	0.2247	Ave		0.2266			0.0100	3.9		20.0			
2,6-Dinitrotoluene	0.3080	0.2273 0.2869	0.3068	0.2681 0.3041	0.2908	Ave		0.2845			0.2000	10.2		20.0			
Acenaphthylene	2.1329	1.8167	2.0821	1.9587 1.9647	2.0460	Ave		2.0002			0.9000	5.6		20.0			
3-Nitroaniline	0.3311	0.3087	0.3358	0.2659 0.3237	0.3129	Ave		0.3130			0.0100	8.1		20.0			
Acenaphthene	1.2206	1.1582	1.1995	1.1881 1.1792	1.2164	Ave		1.1937			0.9000	2.0		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.0844	1.1172	1.1630	1.0051 1.1861	1.0357	Ave		1.0986			0.0100	6.4		20.0			
2,4-Dinitrophenol	0.1915	0.1805	0.2124	0.1279 0.2110	0.1646	Ave		0.1813			0.0100	17.6		20.0			
2,4-Dinitrotoluene	0.3887	0.2412 0.3700	0.4081	0.3195 0.4005	0.3619	Ave		0.3557			0.2000	16.4		20.0			
Dibenzofuran	1.8416	1.7137	1.8144	1.7674 1.7473	1.8420	Ave		1.7877			0.8000	3.0		20.0			
4-Nitrophenol	0.2188	0.2030	0.2183	0.1688 0.2159	0.2057	Ave		0.2051			0.0100	9.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3555	0.3266	0.3573	0.3112 0.3509	0.3421	Ave		0.3406			0.0100	5.4		20.0			
Diethyl phthalate	1.3531	1.2373	1.3437	1.2530 1.3152	1.3638	Ave		1.3110			0.0100	4.1		20.0			
Fluorene	1.4602	1.3386	1.4253	1.4191 1.3923	1.4385	Ave		1.4123			0.9000	3.0		20.0			
4-Chlorophenyl phenyl ether	0.7111	0.6446	0.7032	0.6889 0.6864	0.6980	Ave		0.6887			0.4000	3.4		20.0			
4-Nitroaniline	0.2979	0.2796	0.3109	0.2233 0.3028	0.2720	Ave		0.2811			0.0100	11.3		20.0			
4,6-Dinitro-2-methylphenol	0.1340	0.1348	0.1501	0.1015 0.1497	0.1239	Ave		0.1323			0.0100	13.7		20.0			
N-Nitrosodiphenylamine	0.5796	0.5468	0.5902	0.5307 0.5792	0.5582	Ave		0.5641			0.0100	4.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	0.7508	0.7131	0.7703	0.6683 0.7742	0.7238	Ave		0.7334			0.0100	5.5		20.0			
Azobenzene	0.7508	0.7135	0.7705	0.6675 0.7743	0.7245	Ave		0.7335				5.5		20.0			
4-Bromophenyl phenyl ether	0.2407	0.2206	0.2439	0.2227 0.2403	0.2347	Ave		0.2338			0.1000	4.2		20.0			
Hexachlorobenzene	0.2593 0.3012	0.2738 0.2662	0.3037	0.2793 0.3004	0.2989	Ave		0.2853			0.1000	6.2		20.0			
Atrazine	0.1835	0.1414 0.1736	0.1422 0.1981	0.1649 0.1933	0.1775	Ave		0.1718			0.0100	12.4		20.0			
Pentachloronitrobenzene	0.0876	0.0895	0.0975	0.0792 0.0998	0.0835	Ave		0.0895			0.0100	8.9		20.0			
Pentachlorophenol	0.1656	0.1576	0.1839	0.1309 0.1892	0.1501	Ave		0.1629			0.0500	13.3		20.0			
n-Octadecane	0.4680	0.4615	0.4881	0.4066 0.4819	0.4388	Ave		0.4575			0.0100	6.6		20.0			
Phenanthrene	1.1204	1.0323	1.1054	1.0785 1.1031	1.1379	Ave		1.0963			0.7000	3.4		20.0			
Anthracene	1.1381	1.0554	1.1421	1.0424 1.1258	1.1261	Ave		1.1050			0.7000	4.0		20.0			
Carbazole	0.9925	0.9173	0.9806	0.8939 0.9693	0.9645	Ave		0.9530			0.0100	4.1		20.0			
Di-n-butyl phthalate	1.1326	1.0987	1.2237	0.9632 1.2091	1.0631	Ave		1.1151			0.0100	8.7		20.0			
Fluoranthene	1.0685	0.9651 0.9947	1.0913	1.0119 1.0960	1.0709	Ave		1.0426			0.6000	4.9		20.0			
Benzidine	0.4999	0.3876	0.5527	0.4066 0.5623	0.4647	Ave		0.4790			0.0100	15.2		20.0			
Pyrene	1.6370	1.4495 1.4566	1.5680	1.6044 1.4907	1.5867	Ave		1.5418			0.6000	4.9		20.0			
Bisphenol-A	0.5636	0.5659	0.6124	0.4712 0.6161	0.5152	Ave		0.5574				10.1		20.0			
Butyl benzyl phthalate	0.5897	0.5808	0.6400	0.4887 0.6385	0.5346	Ave		0.5787			0.0100	10.2		20.0			
2,3,7,8-TCDD		0.2407				Ave		0.2407			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.3563	0.4175	0.4696	0.2507 0.4974	0.2844	Lin1	-0.338	0.4895			0.0100	12.7					
3,3'-Dichlorobenzidine	0.4867	0.3465 0.4737	0.5441	0.4025 0.5518	0.4472	Ave		0.4646			0.0100	15.9		20.0			
Benzo[a]anthracene	1.2853 1.3400	1.2148 1.2652	1.3767	1.2842 1.3577	1.3161	Ave		1.3050			0.8000	4.1		20.0			
Chrysene	1.2671	1.1936 1.1429	1.2541	1.2081 1.2334	1.2283	Ave		1.2182			0.7000	3.4		20.0			
Bis(2-ethylhexyl) phthalate	0.8271	0.5466 0.8281	0.9048	0.6581 0.8886	0.7297	Ave		0.7690			0.0100	17.0		20.0			
Di-n-octyl phthalate	1.3307	1.3651	1.4659	1.0192 1.4289	1.1922	Ave		1.3003			0.0100	12.9		20.0			
Benzo[b]fluoranthene	1.1811 1.2997	1.1765 1.1976	1.2851	1.2011 1.2666	1.2354	Ave		1.2304			0.7000	3.9		20.0			
Benzo[k]fluoranthene	1.2195 1.3885	1.0967 1.1976	1.3048	1.2458 1.2916	1.3245	Ave		1.2586			0.7000	7.1		20.0			
Benzo[a]pyrene	0.9796 1.1261	0.9630 1.0615	1.1652	1.0078 1.1816	1.1220	Ave		1.0759			0.7000	7.9		20.0			
Indeno[1,2,3-cd]pyrene	0.9988 1.1604	1.0014 1.1771	1.2022	1.0620 1.2028	1.1300	Ave		1.1168			0.5000	7.6		20.0			
Dibenz(a,h)anthracene	1.1092 1.3031	1.1329 1.1943	1.3214	1.1597 1.3125	1.2735	Ave		1.2258			0.4000	7.1		20.0			
Benzo[g,h,i]perylene	1.2926	1.1832	1.2809	1.1863 1.2888	1.2236	Ave		1.2426			0.5000	4.1		20.0			
2-Fluorophenol (Surr)	1.2968	1.0572 1.2986	1.3682	1.1964 1.4359	1.2880	Ave		1.2773			0.0100	9.6		20.0			
Phenol-d5 (Surr)	1.2228 1.5549	1.2941 1.5890	1.6964	1.4553 1.7628	1.5623	Ave		1.5172			0.0100	12.2		20.0			
Nitrobenzene-d5 (Surr)	0.2736 0.3373	0.2711 0.3371	0.3582	0.3162 0.3701	0.3288	Ave		0.3240			0.0100	11.1		20.0			
2-Fluorobiphenyl	1.3668 1.5013	1.3997 1.4796	1.5705	1.4310 1.5821	1.4806	Ave		1.4765			0.0100	5.2		20.0			
2,4,6-Tribromophenol (Surr)	0.2524	0.2114 0.2565	0.2775	0.2268 0.2902	0.2473	Ave		0.2517			0.0100	10.8		20.0			
Terphenyl-d14 (Surr)	1.0774 1.2718	1.1324 1.2167	1.2929	1.2169 1.3098	1.2277	Ave		1.2182			0.0100	6.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	103141	245954	412313	24808 566869	50706	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodimethylamine	DCBd4	Ave	156760	383180	636902	36544 871821	74503	4.00	10.0	16.0	1.00 24.0	2.00
Pyridine	DCBd4	Ave	9383 511337	21937 1052501	2094919	122399 2664731	261157	0.200 8.00	0.400 20.0	32.0	2.00 48.0	4.00
Benzaldehyde	DCBd4	Ave	149646	8555 +++++	17020 +++++	44409 +++++	91105	3.20	0.200 +++++	0.400 +++++	1.00 +++++	2.00
Aniline	DCBd4	Ave	352892	829977	1405123	78497 1809055	170083	4.00	10.0	16.0	1.00 24.0	2.00
Phenol	DCBd4	Ave	326605	785034	1331176	74893 1827747	157069	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethyl)ether	DCBd4	Ave	5232 255487	11791 620260	1026757	62089 1390255	125969	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Chlorophenol	DCBd4	Ave	269179	636657	1098713	60280 1485027	126094	4.00	10.0	16.0	1.00 24.0	2.00
n-Decane	DCBd4	Ave	210749	532172	861867	50215 1184261	104434	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dichlorobenzene	DCBd4	Ave	296386	719394	1207146	74722 1640708	148050	4.00	10.0	16.0	1.00 24.0	2.00
1,4-Dichlorobenzene	DCBd4	Ave	304714	733191	1238446	74773 1691007	149773	4.00	10.0	16.0	1.00 24.0	2.00
Benzyl alcohol	DCBd4	Ave	166425	422304	713453	36677 986236	78058	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Dichlorobenzene	DCBd4	Ave	288827	706755	1186898	67817 1623248	142892	4.00	10.0	16.0	1.00 24.0	2.00
2,2'-oxybis[1-chloropropane]	DCBd4	Ave	271622	657733	1058069	64308 1447422	130391	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylphenol	DCBd4	Ave				52594	114763				1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			231906	566581	958424	1321006		4.00	10.0	16.0	24.0	
N-Methylaniline	DCBd4	Ave	6134 382354	15733 998156	1655047	89196 2313631	182059	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acetophenone	DCBd4	Ave	362614	901437	1481647	82324 2055397	176805	4.00	10.0	16.0	1.00 24.0	2.00
N-Nitrosodi-n-propylamine	DCBd4	Ave	3098 171661	6871 421010	700757	40193 966066	83203	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
3 & 4 Methylphenol	DCBd4	Ave	254897	603273	1022294	56662 1392670	121910	4.00	10.0	16.0	1.00 24.0	2.00
4-Methylphenol	DCBd4	Ave	254897	603612	1020833	56662 1391267	121910	4.00	10.0	16.0	1.00 24.0	2.00
Hexachloroethane	DCBd4	Ave	2123 106992	4733 265221	439399	25314 594140	52013	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
n,n'-Dimethylaniline	DCBd4	Ave	8067 391914	19079 1051542	1729500	94274 2458518	193989	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene	DCBd4	Ave	2383 135460	5717 333134	564283	31418 771291	65847	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Isophorone	NPT	Ave	459350	18480 1103887	1871891	102118 2570769	216612	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Nitrophenol	NPT	Ave	144813	353180	597839	31950 812740	66076	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dimethylphenol	NPT	Ave	217218	564293	894262	49514 1208253	103207	4.00	10.0	16.0	1.00 24.0	2.00
Bis(2-chloroethoxy)methane	NPT	Ave	309546	744783	1245206	71524 1693652	150488	4.00	10.0	16.0	1.00 24.0	2.00
Benzoic acid	NPT	Ave	141749	346238	669959	26191 925584	57056	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dichlorophenol	NPT	Ave	221406	535574	907932	50413 1238744	105392	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4-Trichlorobenzene	NPT	Ave	5379 249276	11864 598200	1015063	61164 1388029	124336	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Naphthalene	NPT	Ave	16594 812569	39304 1986229	3277798	202151 4452618	403320	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
4-Chloroaniline	NPT	Ave	5028 316902	13953 733812	1232855	74268 1586382	153119	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,6-Dichlorophenol	NPT	Ave	219977	533700	903092	51585 1238416	107184	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobutadiene	NPT	Ave	3068 137107	6340 322853	563607	33715 776149	68269	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Caprolactam	NPT	Lin2	44061	1528 56157	4146 70864	11851 89597	25461	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	211953	513229	853027	45832 1165541	100576	4.00	10.0	16.0	1.00 24.0	2.00
2-Methylnaphthalene	NPT	Ave	530846	24166 1247541	2118120	127571 2874464	260464	4.00	0.200 10.0	16.0	1.00 24.0	2.00
1-Methylnaphthalene	NPT	Ave	494117	24037 1176039	1942747	119543 2627996	242148	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Hexachlorocyclopentadiene	ANT	Ave	163741	416013	672129	36886 950573	76641	4.00	10.0	16.0	1.00 24.0	2.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	245380	584060	999005	59521 1346408	119925	4.00	10.0	16.0	1.00 24.0	2.00
2-tertbutyl-4-methylphenol	NPT	Ave	297866	11860 776154	1295462	67479 1837833	141396	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Trichlorophenol	ANT	Ave	157999	6688 379202	635892	35905 859171	75798	4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,5-Trichlorophenol	ANT	Ave	168578	405742	685630	39014 939245	80374	4.00	10.0	16.0	1.00 24.0	2.00
1,1'-Biphenyl	ANT	Ave	647051	1559208	2556370	160507 3495492	320039	4.00	10.0	16.0	1.00 24.0	2.00
2-Chloronaphthalene	ANT	Ave	503523	1192254	1979282	125246 2703473	251351	4.00	10.0	16.0	1.00 24.0	2.00
Phenyl ether	ANT	Ave	329383	842862	1375865	82319 1926702	163820	4.00	10.0	16.0	1.00 24.0	2.00
2-Nitroaniline	ANT	Ave	113486	284572	465371	24833 652150	54548	4.00	10.0	16.0	1.00 24.0	2.00
1,3-Dimethylnaphthalene	ANT	Ave	371572	962636	1572336	88027 2206961	184259	4.00	10.0	16.0	1.00 24.0	2.00
Dimethyl phthalate	ANT	Ave	534518	1253900	2100385	127371 2845270	267716	4.00	10.0	16.0	1.00 24.0	2.00
Coumarin	NPT	Ave	165795	418541	675173	38235 958439	80478	4.00	10.0	16.0	1.00 24.0	2.00
2,6-Dinitrotoluene	ANT	Ave	116865	4532 280549	464675	26390 642562	56194	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Acenaphthylene	ANT	Ave	809411	1776702	3153457	192808 4151906	395428	4.00	10.0	16.0	1.00 24.0	2.00
3-Nitroaniline	ANT	Ave	125646	301864	508513	26178 684006	60477	4.00	10.0	16.0	1.00 24.0	2.00
Acenaphthene	ANT	Ave	463216	1132717	1816726	116951 2492054	235101	4.00	10.0	16.0	1.00 24.0	2.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	411525	1092615	1761404	98936 2506663	200172	4.00	10.0	16.0	1.00 24.0	2.00
2,4-Dinitrophenol	ANT	Ave				25186	63614				2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			145350	353023	643270	891818		8.00	20.0	32.0	48.0	
2,4-Dinitrotoluene	ANT	Ave	147514	4810 361874	618101	31451 846333	69937	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenzofuran	ANT	Ave	698867	1676005	2748001	173983 3692493	355996	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitrophenol	ANT	Ave	166053	397070	661127	33226 912363	79500	8.00	20.0	32.0	2.00 48.0	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	134925	319419	541188	30632 741606	66120	4.00	10.0	16.0	1.00 24.0	2.00
Diethyl phthalate	ANT	Ave	513468	1210103	2035085	123340 2779425	263571	4.00	10.0	16.0	1.00 24.0	2.00
Fluorene	ANT	Ave	554125	1309111	2158742	139690 2942259	278018	4.00	10.0	16.0	1.00 24.0	2.00
4-Chlorophenyl phenyl ether	ANT	Ave	269869	630407	1065097	67817 1450629	134894	4.00	10.0	16.0	1.00 24.0	2.00
4-Nitroaniline	ANT	Ave	113042	273495	470848	21980 639849	52576	4.00	10.0	16.0	1.00 24.0	2.00
4,6-Dinitro-2-methylphenol	PHN	Ave	174455	446331	754847	35349 1042590	83673	8.00	20.0	32.0	2.00 48.0	4.00
N-Nitrosodiphenylamine	PHN	Ave	377233	905102	1483685	92418 2017586	188492	4.00	10.0	16.0	1.00 24.0	2.00
1,2-Diphenylhydrazine	PHN	Ave	488679	1180345	1936296	116382 2696777	244414	4.00	10.0	16.0	1.00 24.0	2.00
Azobenzene	PHN	Ave	488679	1180939	1936704	116240 2697072	244635	4.00	10.0	16.0	1.00 24.0	2.00
4-Bromophenyl phenyl ether	PHN	Ave	156676	365138	613174	38781 836975	79245	4.00	10.0	16.0	1.00 24.0	2.00
Hexachlorobenzene	PHN	Ave	4237 196024	9823 440582	763332	48646 1046316	100916	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Atrazine	PHN	Ave	95528	5074 114964	10113 149371	28711 179540	59931	3.20	0.200 4.00	0.400 4.80	1.00 6.40	2.00
Pentachloronitrobenzene	PHN	Ave	56984	148144	245000	13794 347550	28182	4.00	10.0	16.0	1.00 24.0	2.00
Pentachlorophenol	PHN	Ave	215566	521726	924356	45601 1318316	101369	8.00	20.0	32.0	2.00 48.0	4.00
n-Octadecane	PHN	Ave	304577	763915	1226909	70807 1678742	148157	4.00	10.0	16.0	1.00 24.0	2.00
Phenanthrene	PHN	Ave	729215	1708601	2778672	187820 3842349	384246	4.00	10.0	16.0	1.00 24.0	2.00
Anthracene	PHN	Ave	740727	1746850	2870919	181541 3921358	380250	4.00	10.0	16.0	1.00 24.0	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	645950	1518301	2464899	155683 3376217	325686	4.00	10.0	16.0	1.00 24.0	2.00
Di-n-butyl phthalate	PHN	Ave	737185	1818560	3076035	167749 4211709	358989	4.00	10.0	16.0	1.00 24.0	2.00
Fluoranthene	PHN	Ave	695418	34625 1646447	2743157	176222 3817720	361636	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzidine	PHN	Ave	325391	641569	1389413	70810 1958674	156919	4.00	10.0	16.0	1.00 24.0	2.00
Pyrene	CRY	Ave	725654	33392 1701967	2841263	185319 3882809	372786	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bisphenol-A	CRY	Ave	249816	661295	1109667	54429 1604776	121033	4.00	10.0	16.0	1.00 24.0	2.00
Butyl benzyl phthalate	CRY	Ave	261422	678656	1159736	56447 1663063	125591	4.00	10.0	16.0	1.00 24.0	2.00
2,3,7,8-TCDD	CRY	Ave		2813					0.100			
Carbamazepine	CRY	Lin1	157947	487853	850876	28955 1295661	66812	4.00	10.0	16.0	1.00 24.0	2.00
3,3'-Dichlorobenzidine	CRY	Ave	215743	7982 553499	985930	46492 1437280	105054	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]anthracene	CRY	Ave	13985 594018	27987 1478367	2494662	148328 3536375	309193	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Chrysene	CRY	Ave	561697	27497 1335491	2272571	139538 3212513	288582	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	366632	12592 967573	1639556	76009 2314427	171445	4.00	0.200 10.0	16.0	1.00 24.0	2.00
Di-n-octyl phthalate	PRY	Ave	584172	1619266	2701794	113831 3851403	270915	4.00	10.0	16.0	1.00 24.0	2.00
Benzo[b]fluoranthene	PRY	Ave	12603 570555	25825 1420586	2368567	134137 3414054	280729	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[k]fluoranthene	PRY	Ave	13012 609560	24073 1420549	2404939	139133 3481326	300978	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[a]pyrene	PRY	Ave	10453 494338	21139 1259118	2147583	112559 3184942	254959	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	10657 509393	21982 1396229	2215706	118610 3242183	256783	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Dibenz(a,h)anthracene	PRY	Ave	11836 572048	24868 1416663	2435417	129524 3537781	289375	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Benzo[g,h,i]perylene	PRY	Ave	567466	1403491	2360785	132491 3473789	278054	4.00	10.0	16.0	1.00 24.0	2.00
2-Fluorophenol (Surr)	DCBd4	Ave		9895		54461	114194		0.200		1.00	2.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 GC Column: Rtxi-5Sil ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 Calibration End Date: 03/04/2024 17:02 Calibration ID: 96191

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			233767	615214	1017068	1470499		4.00	10.0	16.0	24.0	
Phenol-d5 (Surr)	DCBd4	Ave	5002 280299	12113 752796	1261077	66245 1805195	138519	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Nitrobenzene-d5 (Surr)	NPT	Ave	4436 238918	10026 634168	1044586	57066 1508288	117737	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2-Fluorobiphenyl	ANT	Ave	12364 569729	27913 1447079	2378676	140869 3343480	286156	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00
2,4,6-Tribromophenol (Surr)	ANT	Ave	 95765	4216 250895	420361	22328 613341	47802	 4.00	0.200 10.0	16.0	1.00 24.0	2.00
Terphenyl-d14 (Surr)	CRY	Ave	11722 563788	26088 1421742	2342854	140556 3411627	288427	0.100 4.00	0.200 10.0	16.0	1.00 24.0	2.00

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 962246

SDG No.:

Instrument ID: CBNAMS18 | GC Column: Rtxi-5Sil M ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 03/04/2024 11:22 | Calibration End Date: 03/04/2024 17:02 | Calibration ID: 96191

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-962246/10	P83881.D
Level 2	STD02 460-962246/9	P83879.D
Level 3	STD04 460-962246/8	P83877.D
Level 4	STD1 460-962246/7	P83875.D
Level 5	STD2 460-962246/6	P83873.D
Level 6	STD4 460-962246/5	P83871.D
Level 7	ICIS 460-962246/2	P83865.D
Level 8	STD16 460-962246/4	P83869.D
Level 9	STD24 460-962246/3	P83867.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Caprolactam		2.3						30				
Carbamazepine				20.3						30		

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 04-Mar-2024 11:22:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:27 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 11:47:24

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.713	1.713	0.000	92	245954	10.0	9.39	
2 N-Nitrosodimethylamine	74	1.924	1.924	0.000	95	383180	10.0	9.65	
3 Pyridine	79	1.997	1.997	0.000	96	1052501	20.0	17.1	
$ 4 2-Fluorophenol	112	3.058	3.058	0.000	97	615214	10.0	10.2	
5 Benzaldehyde	77	3.837	3.837	0.000	96	69876	4.00	1.51	
8 Aniline	93	3.949	3.949	0.000	99	829977	10.0	9.55	
$ 6 Phenol-d5	99	3.962	3.962	0.000	98	752796	10.0	10.5	
7 Phenol	94	3.975	3.975	0.000	98	785034	10.0	9.50	a
9 Bis(2-chloroethyl)ether	93	3.997	3.997	0.000	98	620260	10.0	9.71	
10 Benzonitrile	103	4.019	4.019	0.000	97	1213046	NC	NC	
11 2-Chlorophenol	128	4.070	4.070	0.000	98	636657	10.0	9.47	
12 n-Decane	43	4.090	4.090	0.000	89	532172	10.0	9.78	
13 1,3-Dichlorobenzene	146	4.192	4.192	0.000	97	719394	10.0	9.39	
* 14 1,4-Dichlorobenzene-d4	152	4.246	4.246	0.000	95	379005	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.262	4.262	0.000	96	733191	10.0	9.39	
17 Benzyl alcohol	108	4.406	4.406	0.000	96	422304	10.0	9.86	
18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	706755	10.0	9.55	
21 2,2'-oxybis[1-chloropropane]	45	4.515	4.515	0.000	94	657733	10.0	9.67	
20 2-Methylphenol	108	4.537	4.537	0.000	91	566581	10.0	9.55	
22 N-Methylaniline	106	4.633	4.633	0.000	99	998156	10.0	10.6	a
23 Acetophenone	105	4.646	4.646	0.000	96	901437	10.0	9.74	
24 N-Nitrosodi-n-propylamine	70	4.652	4.652	0.000	85	421010	10.0	10.1	
26 4-Methylphenol	108	4.687	4.687	0.000	97	603612	10.0	9.51	
25 3 & 4 Methylphenol	108	4.687	4.687	0.000	62	603273	10.0	9.50	
27 Hexachloroethane	117	4.729	4.729	0.000	95	265221	10.0	9.97	
$ 28 Nitrobenzene-d5	82	4.783	4.783	0.000	85	634168	10.0	10.4	
29 Nitrobenzene	123	4.803	4.803	0.000	83	333134	10.0	10.1	
30 n,n'-Dimethylaniline	120	4.803	4.803	0.000	88	1051542	10.0	10.2	
31 Isophorone	82	5.049	5.049	0.000	99	1103887	10.0	9.83	
32 2-Nitrophenol	139	5.106	5.106	0.000	96	353180	10.0	9.73	
33 2,4-Dimethylphenol	122	5.183	5.183	0.000	92	564293	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.250	5.250	0.000	97	744783	10.0	9.53	
35 Benzoic acid	122	5.314	5.314	0.000	86	346238	10.0	9.64	
36 2,4-Dichlorophenol	162	5.365	5.365	0.000	97	535574	10.0	9.56	
37 1,2,4-Trichlorobenzene	180	5.413	5.413	0.000	94	598200	10.0	9.43	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1505123	8.00	8.00	
39 Naphthalene	128	5.487	5.487	0.000	99	1986229	10.0	9.65	
40 4-Chloroaniline	127	5.557	5.557	0.000	98	733812	10.0	9.83	
41 2,6-Dichlorophenol	162	5.564	5.564	0.000	97	533700	10.0	9.49	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	322853	10.0	9.23	
44 Caprolactam	113	5.931	5.931	0.000	95	56157	4.00	3.89	
45 4-Chloro-3-methylphenol	107	6.059	6.059	0.000	95	513229	10.0	9.71	
46 2-Methylnaphthalene	142	6.149	6.149	0.000	85	1247541	10.0	9.41	
47 1-Methylnaphthalene	142	6.241	6.241	0.000	93	1176039	10.0	9.47	
48 Hexachlorocyclopentadiene	237	6.299	6.299	0.000	97	416013	10.0	10.1	
49 1,2,4,5-Tetrachlorobenzene	216	6.305	6.305	0.000	98	584060	10.0	9.52	
50 2-tertbutyl-4-methylphenol	149	6.369	6.369	0.000	92	776154	10.0	10.2	
51 2,4,6-Trichlorophenol	196	6.433	6.433	0.000	91	379202	10.0	9.97	
52 2,4,5-Trichlorophenol	196	6.488	6.488	0.000	99	405742	10.0	9.69	
$ 53 2-Fluorobiphenyl	172	6.501	6.501	0.000	97	1447079	10.0	10.0	
54 1,1'-Biphenyl	154	6.594	6.594	0.000	95	1559208	10.0	9.64	
55 2-Chloronaphthalene	162	6.610	6.610	0.000	99	1192254	10.0	9.49	
56 Phenyl ether	170	6.696	6.696	0.000	85	842862	10.0	9.88	
57 2-Nitroaniline	65	6.725	6.725	0.000	94	284572	10.0	10.0	
58 1,3-Dimethylnaphthalene	156	6.818	6.818	0.000	93	962636	10.0	10.0	
59 Dimethyl phthalate	163	6.904	6.904	0.000	100	1253900	10.0	9.49	
60 Coumarin	146	6.914	6.914	0.000	81	418541	10.0	9.82	
61 2,6-Dinitrotoluene	165	6.952	6.952	0.000	96	280549	10.0	10.1	
62 Acenaphthylene	152	7.000	7.000	0.000	98	1776702	10.0	9.08	
63 3-Nitroaniline	138	7.118	7.118	0.000	97	301864	10.0	9.86	
* 64 Acenaphthene-d10	164	7.134	7.134	0.000	95	782399	8.00	8.00	
65 Acenaphthene	154	7.166	7.166	0.000	95	1132717	10.0	9.70	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.166	7.166	0.000	97	1092615	10.0	10.2	
67 2,4-Dinitrophenol	184	7.211	7.211	0.000	95	353023	20.0	19.9	
69 2,4-Dinitrotoluene	165	7.330	7.330	0.000	95	361874	10.0	10.4	
70 Dibenzofuran	168	7.330	7.330	0.000	98	1676005	10.0	9.59	
68 4-Nitrophenol	65	7.349	7.349	0.000	90	397070	20.0	19.8	a
71 2,3,4,6-Tetrachlorophenol	232	7.461	7.461	0.000	95	319419	10.0	9.59	
72 Diethyl phthalate	149	7.573	7.573	0.000	98	1210103	10.0	9.44	
73 Fluorene	166	7.653	7.653	0.000	95	1309111	10.0	9.48	
74 4-Chlorophenyl phenyl ether	204	7.660	7.660	0.000	91	630407	10.0	9.36	
75 4-Nitroaniline	138	7.701	7.701	0.000	90	273495	10.0	9.95	
76 4,6-Dinitro-2-methylphenol	198	7.714	7.714	0.000	91	446331	20.0	20.4	
77 N-Nitrosodiphenylamine	169	7.778	7.778	0.000	99	905102	10.0	9.69	
78 1,2-Diphenylhydrazine	77	7.810	7.810	0.000	98	1180345	10.0	9.72	
131 Azobenzene	77	7.810	7.810	0.000	0	1180939	10.0	9.73	
$ 79 2,4,6-Tribromophenol	330	7.887	7.887	0.000	91	250895	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.121	8.121	0.000	94	365138	10.0	9.44	
82 Hexachlorobenzene	284	8.169	8.169	0.000	96	440582	10.0	9.33	
83 Atrazine	200	8.303	8.303	0.000	95	114964	4.00	4.04	
84 Pentachlorophenol	266	8.374	8.374	0.000	93	521726	20.0	19.4	
85 Pentachloronitrobenzene	237	8.374	8.374	0.000	65	148144	10.0	10.0	
87 n-Octadecane	57	8.464	8.464	0.000	88	763915	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.537	8.537	0.000	98	1324110	8.00	8.00	
89 Phenanthrene	178	8.560	8.560	0.000	97	1708601	10.0	9.42	
90 Anthracene	178	8.608	8.608	0.000	98	1746850	10.0	9.55	
91 Carbazole	167	8.774	8.774	0.000	96	1518301	10.0	9.63	
92 Di-n-butyl phthalate	149	9.120	9.120	0.000	99	1818560	10.0	9.85	
93 Fluoranthene	202	9.680	9.680	0.000	97	1646447	10.0	9.54	
94 Benzidine	184	9.828	9.828	0.000	100	641569	10.0	8.09	
95 Pyrene	202	9.892	9.892	0.000	97	1701967	10.0	9.45	
96 Bisphenol-A	213	9.979	9.979	0.000	99	661295	10.0	10.2	
$ 97 Terphenyl-d14	244	10.056	10.056	0.000	97	1421742	10.0	9.99	
98 Butyl benzyl phthalate	149	10.560	10.560	0.000	96	678656	10.0	10.0	
99 2,3,7,8-TCDD	320	10.624	10.624	0.000	94	2813	0.1000	0.1000	
100 Carbamazepine	193	10.666	10.666	0.000	93	487853	10.0	9.22	
101 3,3'-Dichlorobenzidine	252	11.115	11.115	0.000	99	553499	10.0	10.2	
102 Benzo[a]anthracene	228	11.122	11.122	0.000	99	1478367	10.0	9.69	
* 103 Chrysene-d12	240	11.132	11.132	0.000	99	934782	8.00	8.00	
104 Chrysene	228	11.161	11.161	0.000	98	1335491	10.0	9.38	
105 Bis(2-ethylhexyl) phthalate	149	11.212	11.212	0.000	86	967573	10.0	10.8	
106 Di-n-octyl phthalate	149	12.028	12.028	0.000	96	1619266	10.0	10.5	
107 Benzo[b]fluoranthene	252	12.446	12.446	0.000	98	1420586	10.0	9.73	
108 Benzo[k]fluoranthene	252	12.485	12.485	0.000	99	1420549	10.0	9.52	
109 Benzo[a]pyrene	252	12.881	12.881	0.000	97	1259118	10.0	9.87	
* 110 Perylene-d12	264	12.958	12.958	0.000	99	948919	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.457	14.457	0.000	99	1396229	10.0	10.5	
112 Dibenz(a,h)anthracene	278	14.505	14.505	0.000	95	1416663	10.0	9.74	
113 Benzo[g,h,i]perylene	276	14.860	14.860	0.000	98	1403491	10.0	9.52	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

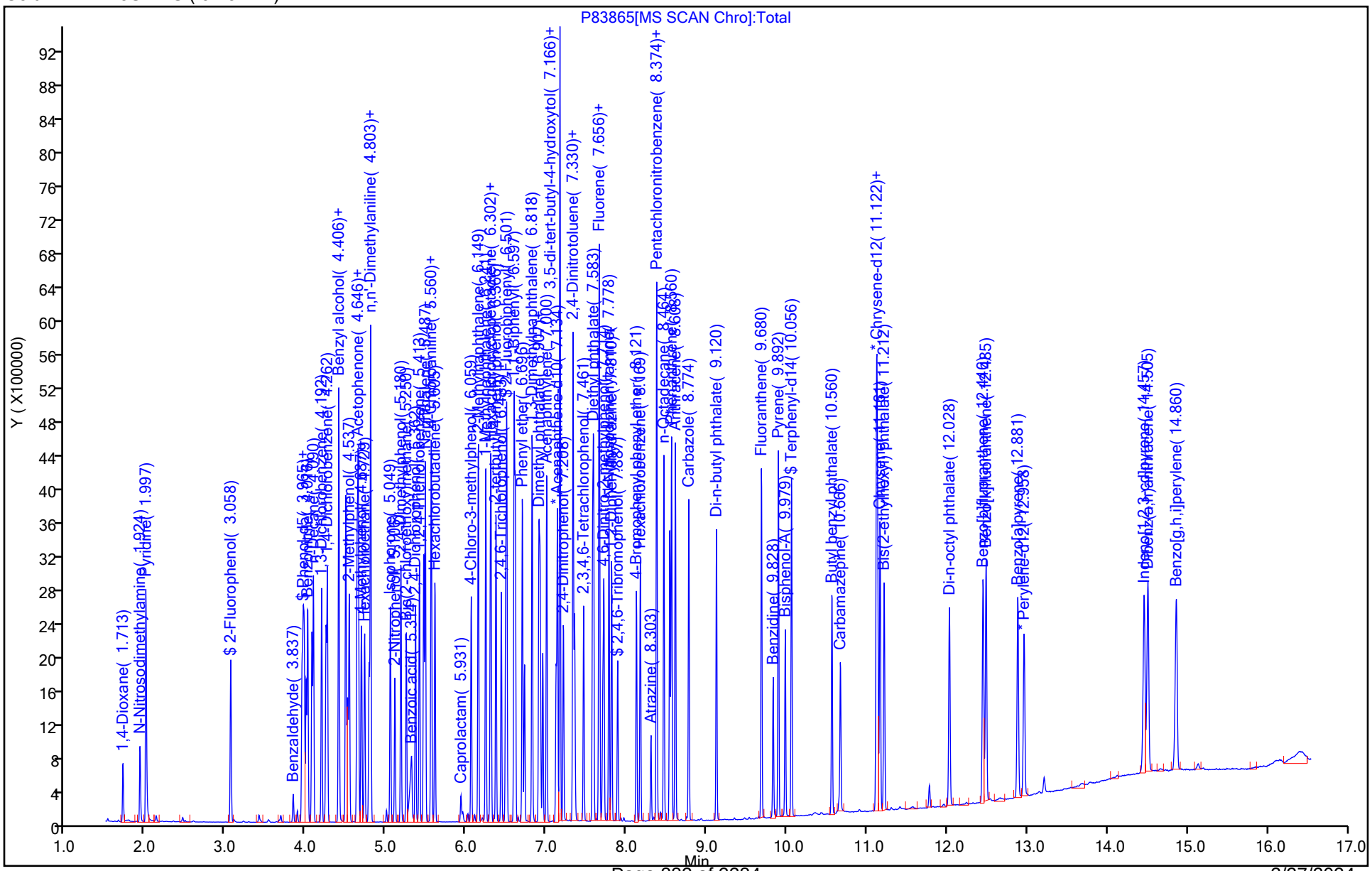
Report Date: 05-Mar-2024 06:44:29 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D

Injection Date:	04-Mar-2024 11:22:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ICIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

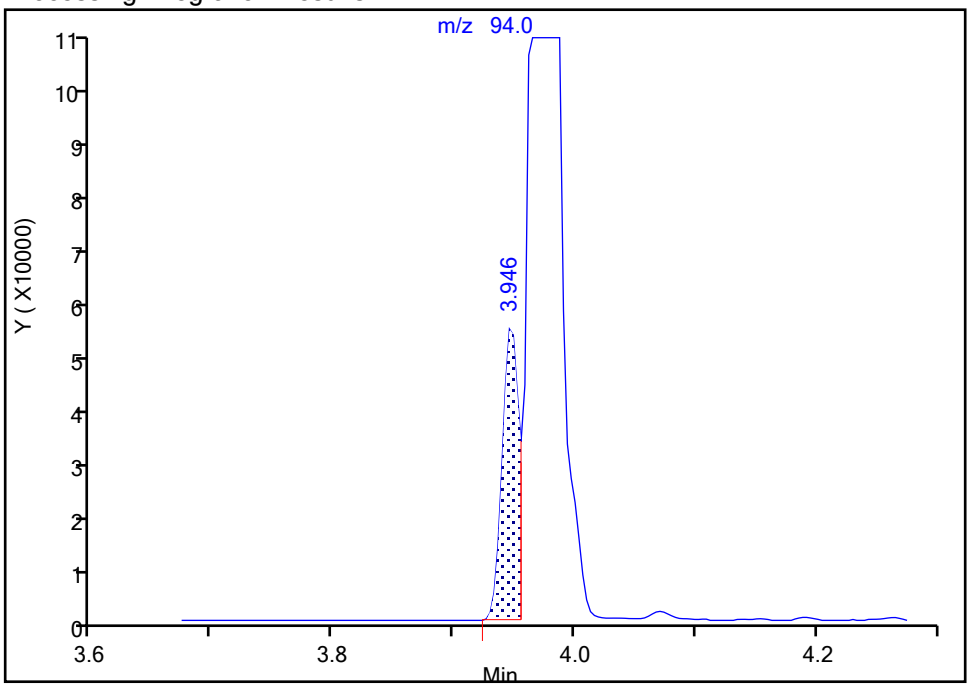
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Injection Date: 04-Mar-2024 11:22:30 Instrument ID: CBNAMS18
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

7 Phenol, CAS: 108-95-2

Signal: 1

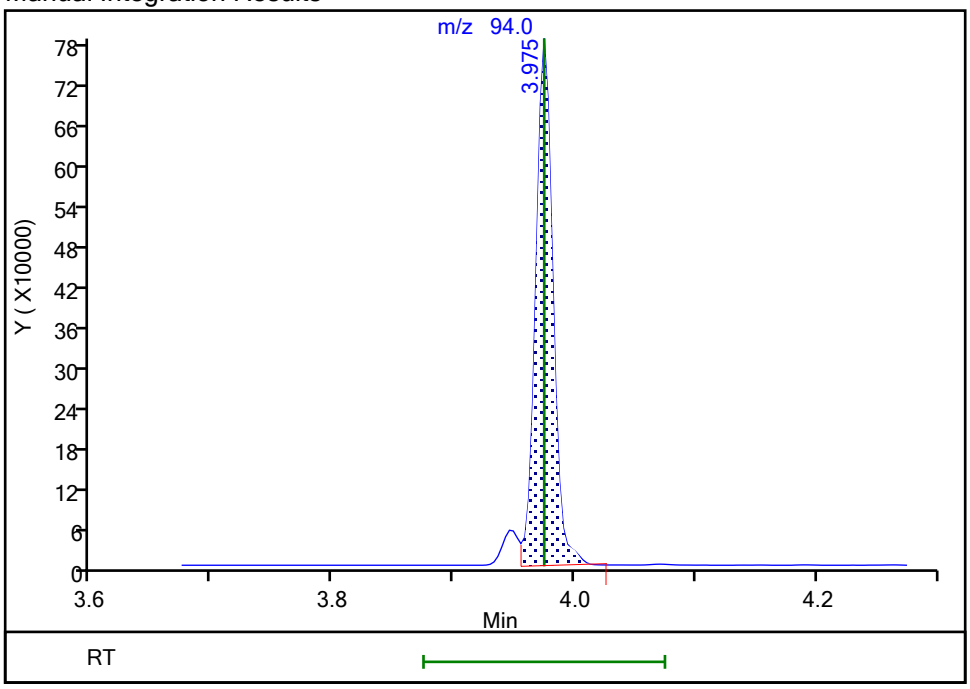
Processing Integration Results

RT: 3.95
Area: 51099
Amount: 15.693187
Amount Units: ug/ml



Manual Integration Results

RT: 3.97
Area: 785034
Amount: 9.504001
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:47:09 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison

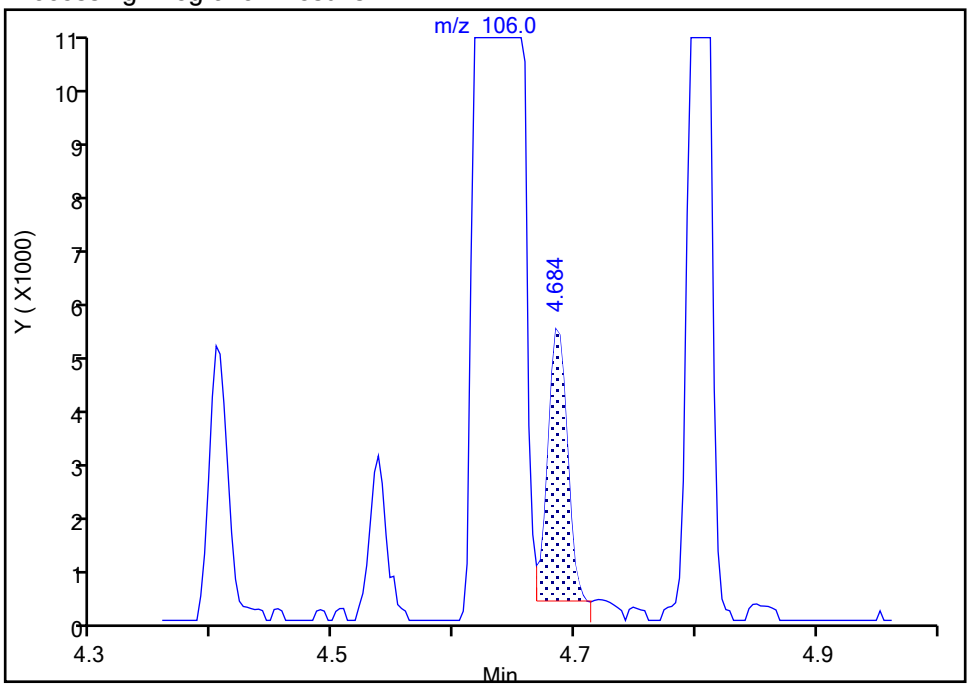
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D
Injection Date: 04-Mar-2024 11:22:30 Instrument ID: CBNAMS18
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

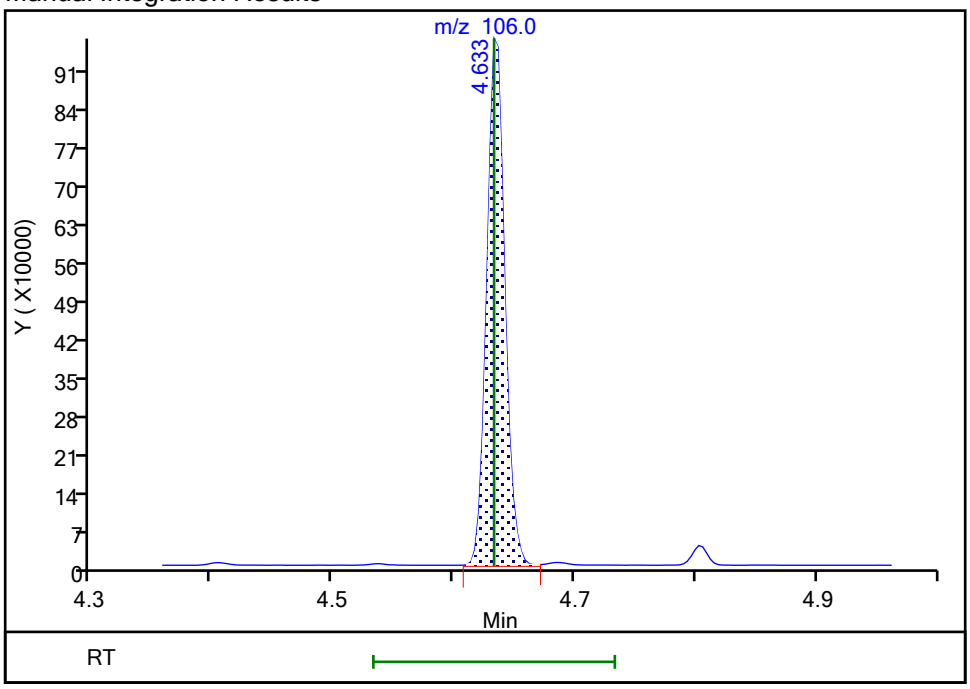
Processing Integration Results

RT: 4.68
Area: 5367
Amount: 11.572422
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 998156
Amount: 10.596141
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:47:00 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

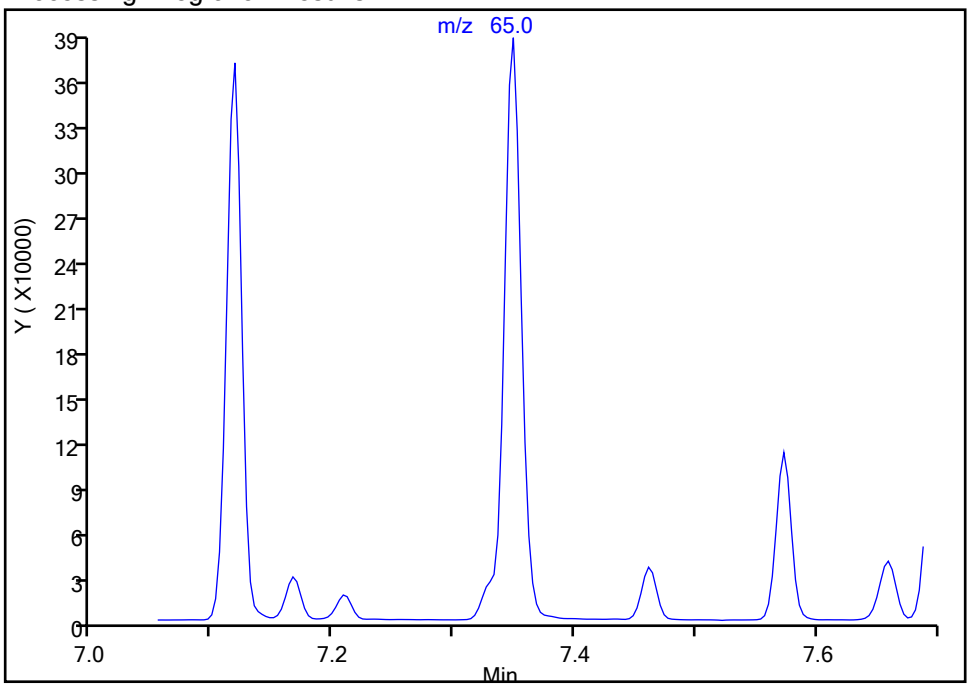
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83865.D				
Injection Date:	04-Mar-2024 11:22:30	Instrument ID:	CBNAMS18		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

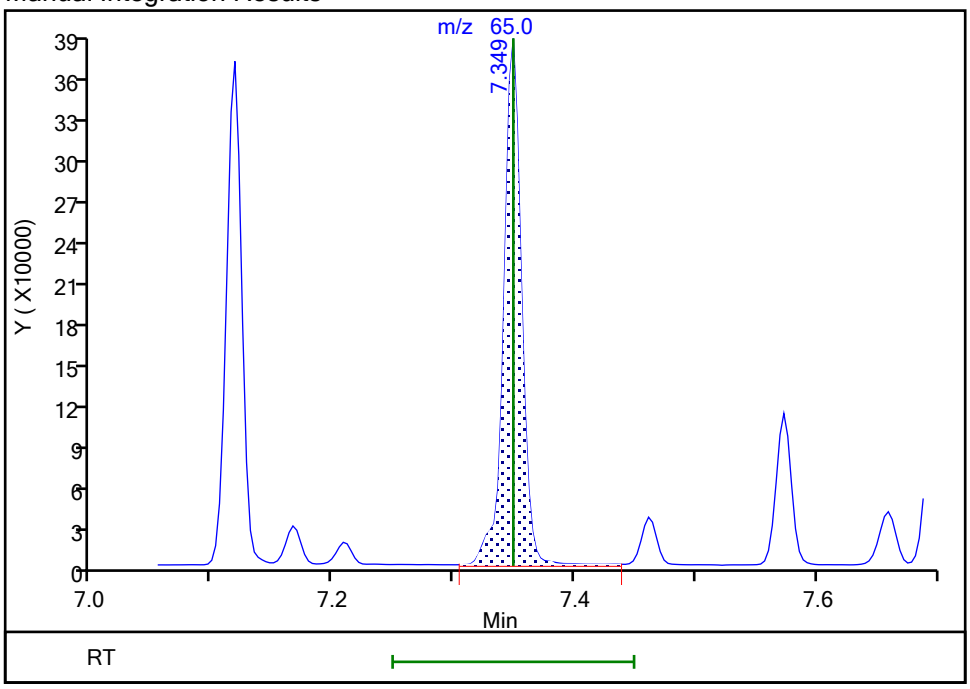
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 397070
Amount: 19.799424
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 11:44:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 04-Mar-2024 12:05:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-003
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:32 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 12:27:04

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.700	1.713	-0.013	91	566869	24.0	24.0	
	2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	97	871821	24.0	24.4	
	3 Pyridine	79	1.982	1.997	-0.015	97	2664731	48.0	48.2	
$	4 2-Fluorophenol	112	3.052	3.058	-0.006	97	1470499	24.0	27.0	
	5 Benzaldehyde	77	3.834	3.837	-0.003	95	199529	6.40	4.78	
	8 Aniline	93	3.946	3.949	-0.003	98	1809055	24.0	23.1	
$	6 Phenol-d5	99	3.962	3.962	0.000	98	1805195	24.0	27.9	
	7 Phenol	94	3.975	3.975	0.000	98	1827747	24.0	24.6	
	9 Bis(2-chloroethyl)ether	93	4.001	3.997	0.004	99	1390255	24.0	24.2	
	10 Benzonitrile	103	4.020	4.019	0.001	96	2816628	NC	NC	
	11 2-Chlorophenol	128	4.071	4.070	0.001	98	1485027	24.0	24.5	
	12 n-Decane	43	4.090	4.090	0.000	88	1184261	24.0	24.2	
	13 1,3-Dichlorobenzene	146	4.193	4.192	0.001	97	1640708	24.0	23.8	
*	14 1,4-Dichlorobenzene-d4	152	4.247	4.246	0.001	94	341358	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.263	4.262	0.001	96	1691007	24.0	24.0	
	17 Benzyl alcohol	108	4.407	4.406	0.001	74	986236	24.0	25.6	
	18 1,2-Dichlorobenzene	146	4.407	4.406	0.001	95	1623248	24.0	24.3	
	21 2,2'-oxybis[1-chloropropane]	45	4.519	4.515	0.004	94	1447422	24.0	23.6	
	20 2-Methylphenol	108	4.538	4.537	0.001	92	1321006	24.0	24.7	
	22 N-Methylaniline	106	4.637	4.633	0.004	98	2313631	24.0	27.3	a
	23 Acetophenone	105	4.650	4.646	0.004	92	2055397	24.0	24.7	
	24 N-Nitrosodi-n-propylamine	70	4.656	4.652	0.004	84	966066	24.0	25.7	
	26 4-Methylphenol	108	4.692	4.687	0.005	97	1391267	24.0	24.3	
	25 3 & 4 Methylphenol	108	4.692	4.687	0.005	62	1392670	24.0	24.4	
	27 Hexachloroethane	117	4.730	4.729	0.001	94	594140	24.0	24.8	
$	28 Nitrobenzene-d5	82	4.788	4.783	0.005	84	1508288	24.0	27.4	
	29 Nitrobenzene	123	4.810	4.803	0.007	96	771291	24.0	25.9	
	30 n,n'-Dimethylaniline	120	4.807	4.803	0.004	96	2458518	24.0	26.5	
	31 Isophorone	82	5.053	5.049	0.004	98	2570769	24.0	25.4	
	32 2-Nitrophenol	139	5.107	5.106	0.001	96	812740	24.0	24.8	
	33 2,4-Dimethylphenol	122	5.184	5.183	0.001	92	1208253	24.0	24.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.251	5.250	0.001	97	1693652	24.0	24.0	
35 Benzoic acid	122	5.341	5.314	0.027	85	925584	24.0	28.6	
36 2,4-Dichlorophenol	162	5.363	5.365	-0.002	98	1238744	24.0	24.5	
37 1,2,4-Trichlorobenzene	180	5.415	5.413	0.002	94	1388029	24.0	24.2	
* 38 Naphthalene-d8	136	5.466	5.464	0.002	99	1358416	8.00	8.00	
39 Naphthalene	128	5.488	5.487	0.001	99	4452618	24.0	24.0	
40 4-Chloroaniline	127	5.559	5.557	0.002	98	1586382	24.0	23.5	
41 2,6-Dichlorophenol	162	5.565	5.564	0.001	98	1238416	24.0	24.4	
42 Hexachlorobutadiene	225	5.607	5.605	0.002	98	776149	24.0	24.6	
44 Caprolactam	113	5.987	5.931	0.056	95	89597	6.40	6.81	
45 4-Chloro-3-methylphenol	107	6.061	6.059	0.002	95	1165541	24.0	24.4	
46 2-Methylnaphthalene	142	6.147	6.149	-0.002	86	2874464	24.0	24.0	
47 1-Methylnaphthalene	142	6.240	6.241	-0.001	92	2627996	24.0	23.4	
48 Hexachlorocyclopentadiene	237	6.298	6.299	-0.001	98	950573	24.0	25.7	
49 1,2,4,5-Tetrachlorobenzene	216	6.307	6.305	0.002	98	1346408	24.0	24.4	
50 2-tertbutyl-4-methylphenol	149	6.368	6.369	-0.001	92	1837833	24.0	26.9	
51 2,4,6-Trichlorophenol	196	6.435	6.433	0.002	92	859171	24.0	25.1	
52 2,4,5-Trichlorophenol	196	6.490	6.488	0.002	99	939245	24.0	24.9	
$ 53 2-Fluorobiphenyl	172	6.503	6.501	0.002	97	3343480	24.0	25.7	
54 1,1'-Biphenyl	154	6.595	6.594	0.001	95	3495492	24.0	24.0	
55 2-Chloronaphthalene	162	6.611	6.610	0.001	98	2703473	24.0	23.9	
56 Phenyl ether	170	6.698	6.696	0.002	84	1926702	24.0	25.1	
57 2-Nitroaniline	65	6.727	6.725	0.002	93	652150	24.0	25.5	
58 1,3-Dimethylnaphthalene	156	6.820	6.818	0.002	92	2206961	24.0	25.5	
59 Dimethyl phthalate	163	6.906	6.904	0.002	100	2845270	24.0	23.9	
60 Coumarin	146	6.919	6.914	0.005	82	958439	24.0	24.9	
61 2,6-Dinitrotoluene	165	6.957	6.952	0.005	95	642562	24.0	25.6	
62 Acenaphthylene	152	7.002	7.000	0.002	98	4151906	24.0	23.6	
63 3-Nitroaniline	138	7.120	7.118	0.002	96	684006	24.0	24.8	
* 64 Acenaphthene-d10	164	7.133	7.134	-0.001	95	704427	8.00	8.00	
65 Acenaphthene	154	7.165	7.166	-0.001	95	2492054	24.0	23.7	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.169	7.166	0.003	97	2506663	24.0	25.9	
67 2,4-Dinitrophenol	184	7.213	7.211	0.002	94	891818	48.0	55.9	
69 2,4-Dinitrotoluene	165	7.332	7.330	0.002	71	846333	24.0	27.0	
70 Dibenzofuran	168	7.332	7.330	0.002	99	3692493	24.0	23.5	
68 4-Nitrophenol	65	7.348	7.349	-0.001	85	912363	48.0	50.5	a
71 2,3,4,6-Tetrachlorophenol	232	7.463	7.461	0.002	96	741606	24.0	24.7	
72 Diethyl phthalate	149	7.579	7.573	0.006	98	2779425	24.0	24.1	
73 Fluorene	166	7.656	7.653	0.003	95	2942259	24.0	23.7	
74 4-Chlorophenyl phenyl ether	204	7.662	7.660	0.002	91	1450629	24.0	23.9	
75 4-Nitroaniline	138	7.710	7.701	0.009	90	639849	24.0	25.9	
76 4,6-Dinitro-2-methylphenol	198	7.720	7.714	0.006	91	1042590	48.0	54.3	
77 N-Nitrosodiphenylamine	169	7.781	7.778	0.003	98	2017586	24.0	24.6	
78 1,2-Diphenylhydrazine	77	7.813	7.810	0.003	97	2696777	24.0	25.3	
131 Azobenzene	77	7.813	7.810	0.003	0	2697072	24.0	25.3	
$ 79 2,4,6-Tribromophenol	330	7.889	7.887	0.002	92	613341	24.0	27.7	
80 4-Bromophenyl phenyl ether	248	8.123	8.121	0.002	95	836975	24.0	24.7	
82 Hexachlorobenzene	284	8.171	8.169	0.002	94	1046316	24.0	25.3	
83 Atrazine	200	8.303	8.303	0.000	95	179540	6.40	7.20	
85 Pentachloronitrobenzene	237	8.373	8.374	-0.001	89	347550	24.0	26.8	
84 Pentachlorophenol	266	8.376	8.374	0.002	94	1318316	48.0	55.8	
87 n-Octadecane	57	8.463	8.464	-0.001	87	1678742	24.0	25.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.537	8.537	0.000	98	1161095	8.00	8.00	
89 Phenanthrene	178	8.559	8.560	-0.001	98	3842349	24.0	24.1	
90 Anthracene	178	8.611	8.608	0.003	98	3921358	24.0	24.5	
91 Carbazole	167	8.774	8.774	0.000	96	3376217	24.0	24.4	
92 Di-n-butyl phthalate	149	9.120	9.120	0.000	99	4211709	24.0	26.0	
93 Fluoranthene	202	9.683	9.680	0.003	98	3817720	24.0	25.2	
94 Benzidine	184	9.828	9.828	0.000	99	1958674	24.0	28.2	
95 Pyrene	202	9.895	9.892	0.003	97	3882809	24.0	23.2	
96 Bisphenol-A	213	9.979	9.979	0.000	99	1604776	24.0	26.5	
$ 97 Terphenyl-d14	244	10.056	10.056	0.000	97	3411627	24.0	25.8	
98 Butyl benzyl phthalate	149	10.563	10.560	0.003	95	1663063	24.0	26.5	
100 Carbamazepine	193	10.669	10.666	0.003	93	1295661	24.0	25.1	
101 3,3'-Dichlorobenzidine	252	11.115	11.115	0.000	99	1437280	24.0	28.5	
102 Benzo[a]anthracene	228	11.122	11.122	0.000	99	3536375	24.0	25.0	
* 103 Chrysene-d12	240	11.134	11.132	0.002	99	868203	8.00	8.00	
104 Chrysene	228	11.163	11.161	0.002	98	3212513	24.0	24.3	
105 Bis(2-ethylhexyl) phthalate	149	11.212	11.212	0.000	85	2314427	24.0	27.7	
106 Di-n-octyl phthalate	149	12.028	12.028	0.000	96	3851403	24.0	26.4	
107 Benzo[b]fluoranthene	252	12.449	12.446	0.003	99	3414054	24.0	24.7	
108 Benzo[k]fluoranthene	252	12.487	12.485	0.002	99	3481326	24.0	24.6	
109 Benzo[a]pyrene	252	12.886	12.881	0.005	97	3184942	24.0	26.4	
* 110 Perylene-d12	264	12.957	12.958	-0.001	99	898477	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.464	14.457	0.007	99	3242183	24.0	25.8	
112 Dibenz(a,h)anthracene	278	14.510	14.505	0.005	98	3537781	24.0	25.7	
113 Benzo[g,h,i]perylene	276	14.868	14.860	0.008	98	3473789	24.0	24.9	
S 115 Total Cresols	1				0			49.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL9_LVI_00006 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:34 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D

Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18 Operator ID:

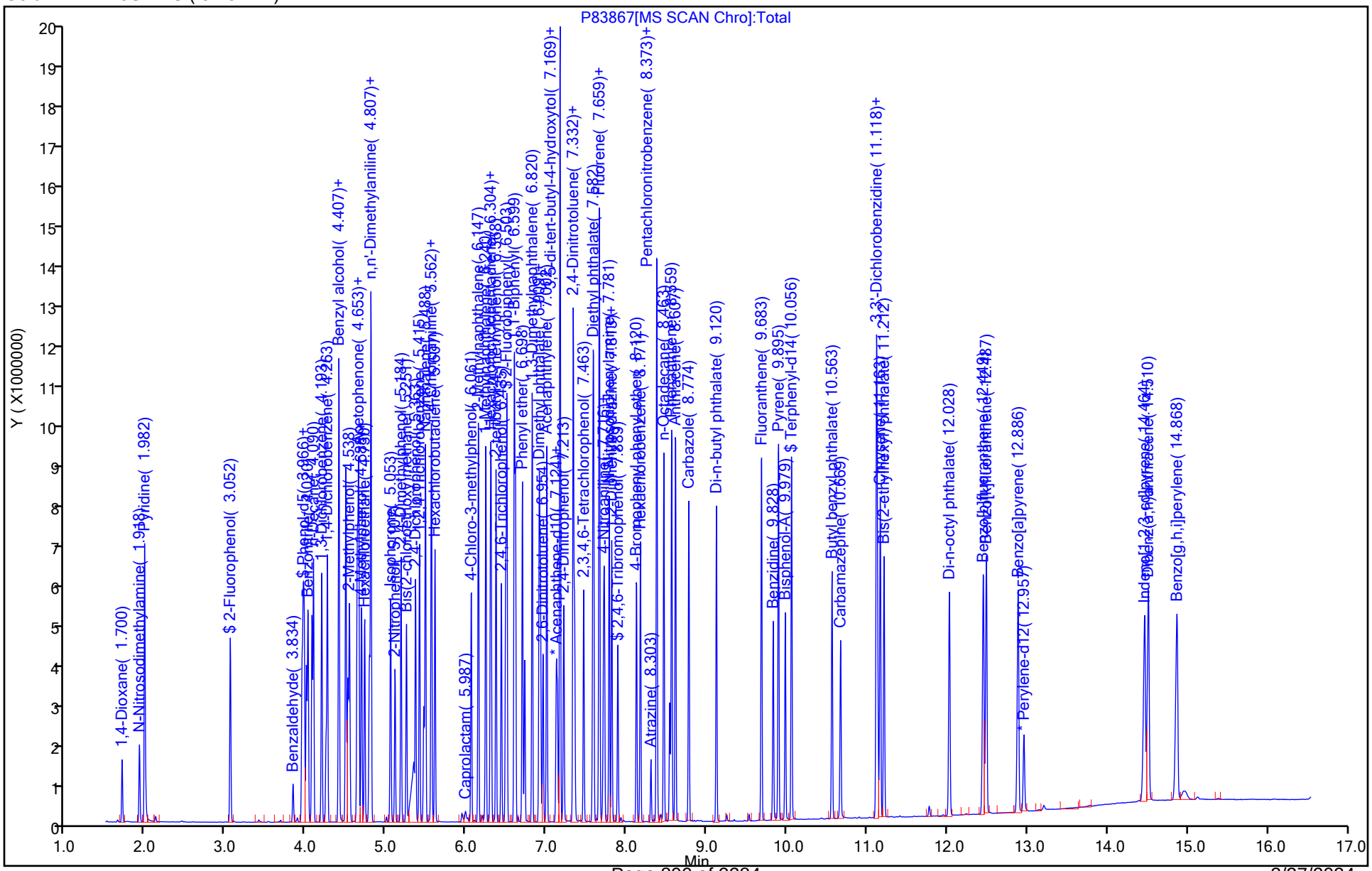
Lims ID: STD24 Worklist Smp#: 3

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

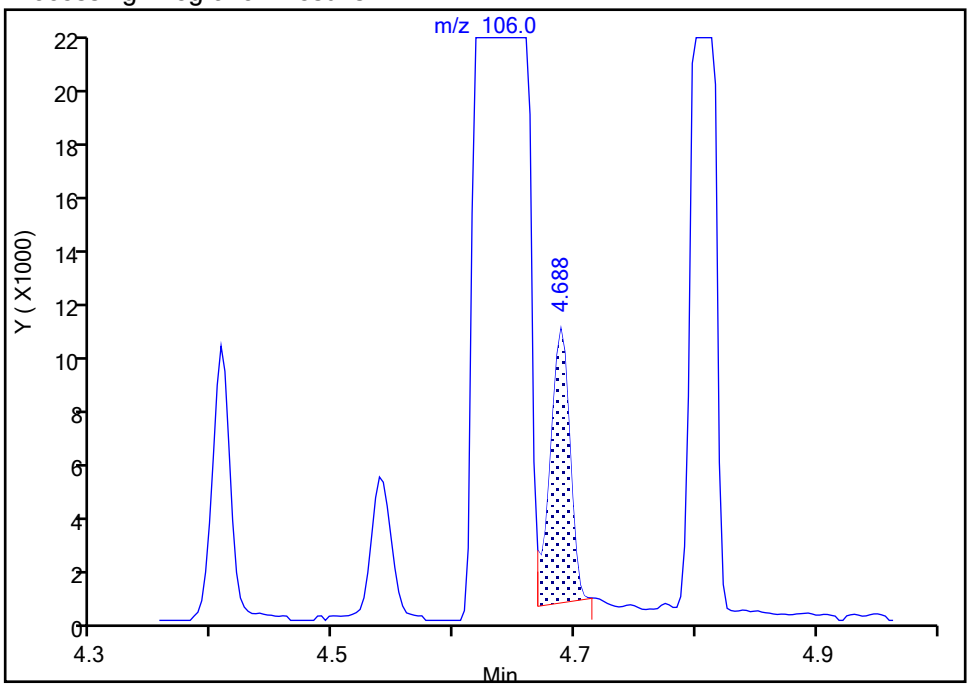
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

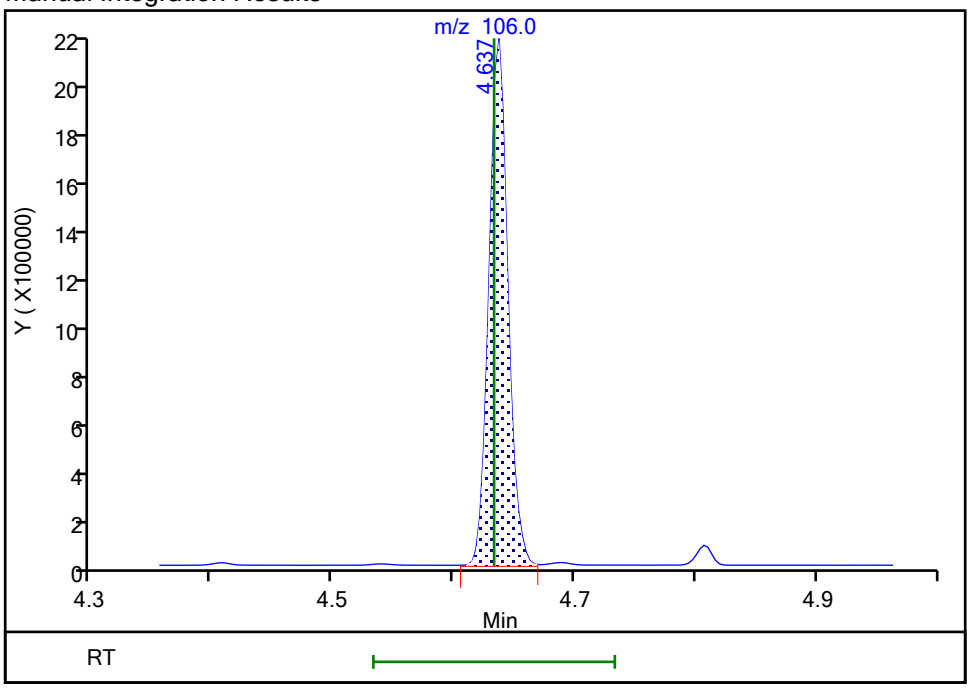
Processing Integration Results

RT: 4.69
Area: 11802
Amount: 0.261128
Amount Units: ug/ml



Manual Integration Results

RT: 4.64
Area: 2313631
Amount: 27.269569
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:26:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

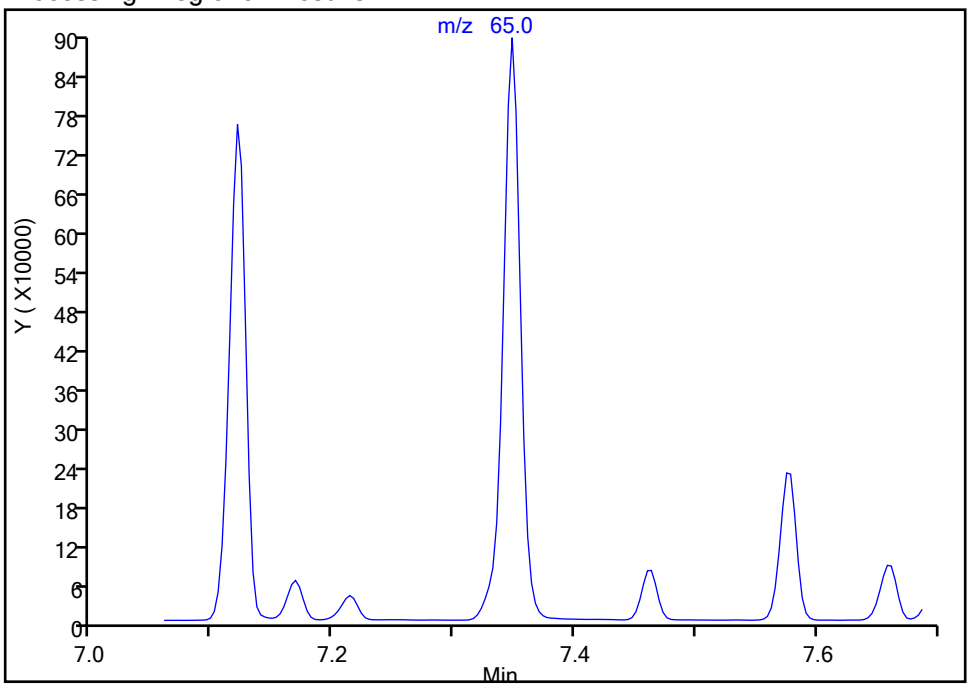
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83867.D
Injection Date: 04-Mar-2024 12:05:30 Instrument ID: CBNAMS18
Lims ID: STD24
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

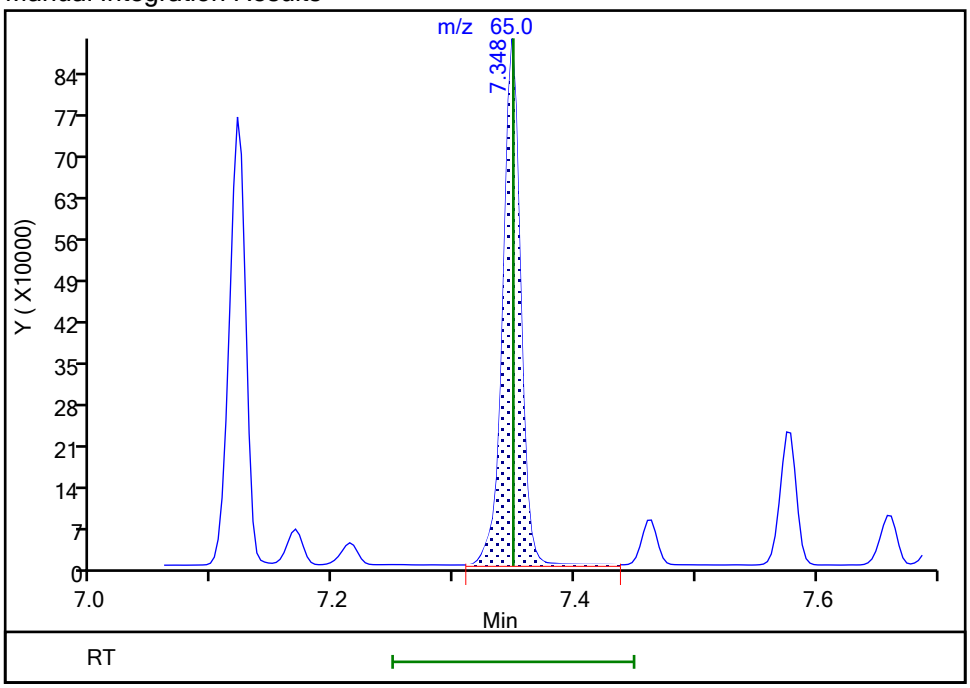
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 912363
Amount: 50.529551
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 12:26:15 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 04-Mar-2024 12:47:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-004
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:36 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 13:17:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.707	1.713	-0.006	91	412313	16.0	16.1	
2 N-Nitrosodimethylamine	74	1.921	1.924	-0.003	97	636902	16.0	16.4	
3 Pyridine	79	1.982	1.997	-0.015	97	2094919	32.0	34.8	
$ 4 2-Fluorophenol	112	3.055	3.058	-0.003	97	1017068	16.0	17.1	
5 Benzaldehyde	77	3.835	3.837	-0.002	96	203294	4.80	4.47	
8 Aniline	93	3.947	3.949	-0.002	98	1405123	16.0	16.5	
$ 6 Phenol-d5	99	3.959	3.962	-0.003	98	1261077	16.0	17.9	
7 Phenol	94	3.972	3.975	-0.003	98	1331176	16.0	16.4	
9 Bis(2-chloroethyl)ether	93	4.001	3.997	0.004	98	1026757	16.0	16.4	
10 Benzonitrile	103	4.020	4.019	0.001	97	1992558	NC	NC	
11 2-Chlorophenol	128	4.071	4.070	0.001	98	1098713	16.0	16.7	
12 n-Decane	43	4.090	4.090	0.000	88	861867	16.0	16.2	
13 1,3-Dichlorobenzene	146	4.193	4.192	0.001	97	1207146	16.0	16.1	
* 14 1,4-Dichlorobenzene-d4	152	4.247	4.246	0.001	94	371686	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.263	4.262	0.001	96	1238446	16.0	16.2	
17 Benzyl alcohol	108	4.404	4.406	-0.002	96	713453	16.0	17.0	
18 1,2-Dichlorobenzene	146	4.407	4.406	0.001	97	1186898	16.0	16.3	
21 2,2'-oxybis[1-chloropropane]	45	4.516	4.515	0.001	94	1058069	16.0	15.9	a
20 2-Methylphenol	108	4.535	4.537	-0.002	92	958424	16.0	16.5	
22 N-Methylaniline	106	4.634	4.633	0.001	94	1655047	16.0	17.9	a
23 Acetophenone	105	4.647	4.646	0.001	96	1481647	16.0	16.3	
24 N-Nitrosodi-n-propylamine	70	4.653	4.652	0.001	86	700757	16.0	17.1	
26 4-Methylphenol	108	4.688	4.687	0.001	97	1020833	16.0	16.4	
25 3 & 4 Methylphenol	108	4.688	4.687	0.001	62	1022294	16.0	16.4	
27 Hexachloroethane	117	4.730	4.729	0.001	96	439399	16.0	16.8	
$ 28 Nitrobenzene-d5	82	4.784	4.783	0.001	85	1044586	16.0	17.7	
29 Nitrobenzene	123	4.807	4.803	0.004	83	564283	16.0	17.4	
30 n,n'-Dimethylaniline	120	4.804	4.803	0.001	88	1729500	16.0	17.1	
31 Isophorone	82	5.047	5.049	-0.002	98	1871891	16.0	17.2	
32 2-Nitrophenol	139	5.107	5.106	0.001	96	597839	16.0	17.0	
33 2,4-Dimethylphenol	122	5.181	5.183	-0.002	93	894262	16.0	16.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.248	5.250	-0.002	96	1245206	16.0	16.4	
35 Benzoic acid	122	5.328	5.314	0.014	86	669959	16.0	19.3	
36 2,4-Dichlorophenol	162	5.363	5.365	-0.002	98	907932	16.0	16.7	
37 1,2,4-Trichlorobenzene	180	5.411	5.413	-0.002	95	1015063	16.0	16.5	
* 38 Naphthalene-d8	136	5.466	5.464	0.002	99	1458206	8.00	8.00	
39 Naphthalene	128	5.485	5.487	-0.002	99	3277798	16.0	16.4	
40 4-Chloroaniline	127	5.555	5.557	-0.002	98	1232855	16.0	17.0	
41 2,6-Dichlorophenol	162	5.562	5.564	-0.002	97	903092	16.0	16.6	
42 Hexachlorobutadiene	225	5.607	5.605	0.002	97	563607	16.0	16.6	
44 Caprolactam	113	5.926	5.931	-0.005	94	70864	4.80	5.04	
45 4-Chloro-3-methylphenol	107	6.058	6.059	-0.001	95	853027	16.0	16.7	
46 2-Methylnaphthalene	142	6.147	6.149	-0.002	85	2118120	16.0	16.5	
47 1-Methylnaphthalene	142	6.240	6.241	-0.001	92	1942747	16.0	16.1	
48 Hexachlorocyclopentadiene	237	6.298	6.299	-0.001	97	672129	16.0	16.9	
49 1,2,4,5-Tetrachlorobenzene	216	6.307	6.305	0.002	98	999005	16.0	16.8	
50 2-tertbutyl-4-methylphenol	149	6.368	6.369	-0.001	92	1295462	16.0	17.7	
51 2,4,6-Trichlorophenol	196	6.432	6.433	-0.001	92	635892	16.0	17.3	
52 2,4,5-Trichlorophenol	196	6.487	6.488	-0.001	99	685630	16.0	16.9	
$ 53 2-Fluorobiphenyl	172	6.503	6.501	0.002	98	2378676	16.0	17.0	
54 1,1'-Biphenyl	154	6.595	6.594	0.001	95	2556370	16.0	16.3	
55 2-Chloronaphthalene	162	6.608	6.610	-0.002	98	1979282	16.0	16.3	
56 Phenyl ether	170	6.698	6.696	0.002	84	1375865	16.0	16.7	
57 2-Nitroaniline	65	6.723	6.725	-0.002	93	465371	16.0	16.9	
58 1,3-Dimethylnaphthalene	156	6.819	6.818	0.001	93	1572336	16.0	16.9	
59 Dimethyl phthalate	163	6.903	6.904	-0.001	99	2100385	16.0	16.4	
60 Coumarin	146	6.915	6.914	0.001	81	675173	16.0	16.3	
61 2,6-Dinitrotoluene	165	6.954	6.952	0.002	95	464675	16.0	17.3	
62 Acenaphthylene	152	6.999	7.000	-0.001	98	3153457	16.0	16.7	
63 3-Nitroaniline	138	7.117	7.118	-0.001	97	508513	16.0	17.2	
* 64 Acenaphthene-d10	164	7.133	7.134	-0.001	95	757275	8.00	8.00	
65 Acenaphthene	154	7.165	7.166	-0.001	95	1816726	16.0	16.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.168	7.166	0.002	97	1761404	16.0	16.9	
67 2,4-Dinitrophenol	184	7.210	7.211	-0.001	94	643270	32.0	37.5	
69 2,4-Dinitrotoluene	165	7.329	7.330	-0.001	92	618101	16.0	18.4	
70 Dibenzofuran	168	7.329	7.330	-0.001	99	2748001	16.0	16.2	
68 4-Nitrophenol	65	7.345	7.349	-0.004	85	661127	32.0	34.1	a
71 2,3,4,6-Tetrachlorophenol	232	7.460	7.461	-0.001	96	541188	16.0	16.8	
72 Diethyl phthalate	149	7.572	7.573	-0.001	98	2035085	16.0	16.4	
73 Fluorene	166	7.652	7.653	-0.001	95	2158742	16.0	16.1	
74 4-Chlorophenyl phenyl ether	204	7.658	7.660	-0.002	92	1065097	16.0	16.3	
75 4-Nitroaniline	138	7.703	7.701	0.002	91	470848	16.0	17.7	
76 4,6-Dinitro-2-methylphenol	198	7.716	7.714	0.002	92	754847	32.0	36.3	
77 N-Nitrosodiphenylamine	169	7.777	7.778	-0.001	99	1483685	16.0	16.7	
78 1,2-Diphenylhydrazine	77	7.812	7.810	0.002	97	1936296	16.0	16.8	
131 Azobenzene	77	7.812	7.810	0.002	0	1936704	16.0	16.8	
$ 79 2,4,6-Tribromophenol	330	7.886	7.887	-0.001	91	420361	16.0	17.6	
80 4-Bromophenyl phenyl ether	248	8.120	8.121	-0.001	95	613174	16.0	16.7	
82 Hexachlorobenzene	284	8.168	8.169	-0.001	95	763332	16.0	17.0	
83 Atrazine	200	8.299	8.303	-0.004	95	149371	4.80	5.53	
84 Pentachlorophenol	266	8.373	8.374	-0.001	93	924356	32.0	36.1	
85 Pentachloronitrobenzene	237	8.373	8.374	-0.001	59	245000	16.0	17.4	
87 n-Octadecane	57	8.463	8.464	-0.001	87	1226909	16.0	17.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.536	8.537	-0.001	98	1256838	8.00	8.00	
89 Phenanthrene	178	8.559	8.560	-0.001	98	2778672	16.0	16.1	
90 Anthracene	178	8.607	8.608	-0.001	98	2870919	16.0	16.5	
91 Carbazole	167	8.773	8.774	-0.001	96	2464899	16.0	16.5	
92 Di-n-butyl phthalate	149	9.119	9.120	-0.001	99	3076035	16.0	17.6	
93 Fluoranthene	202	9.679	9.680	-0.001	98	2743157	16.0	16.7	
94 Benzidine	184	9.827	9.828	-0.001	99	1389413	16.0	18.5	
95 Pyrene	202	9.891	9.892	-0.001	97	2841263	16.0	16.3	
96 Bisphenol-A	213	9.978	9.979	-0.001	99	1109667	16.0	17.6	
$ 97 Terphenyl-d14	244	10.055	10.056	-0.001	97	2342854	16.0	17.0	
98 Butyl benzyl phthalate	149	10.558	10.560	-0.002	95	1159736	16.0	17.7	
100 Carbamazepine	193	10.664	10.666	-0.002	93	850876	16.0	16.0	
101 3,3'-Dichlorobenzidine	252	11.114	11.115	-0.001	99	985930	16.0	18.7	
102 Benzo[a]anthracene	228	11.120	11.122	-0.002	99	2494662	16.0	16.9	
* 103 Chrysene-d12	240	11.130	11.132	-0.002	99	906035	8.00	8.00	
104 Chrysene	228	11.162	11.161	0.001	98	2272571	16.0	16.5	
105 Bis(2-ethylhexyl) phthalate	149	11.210	11.212	-0.002	85	1639556	16.0	18.8	
106 Di-n-octyl phthalate	149	12.023	12.028	-0.005	96	2701794	16.0	18.0	
107 Benzo[b]fluoranthene	252	12.447	12.446	0.001	99	2368567	16.0	16.7	
108 Benzo[k]fluoranthene	252	12.485	12.485	0.000	99	2404939	16.0	16.6	
109 Benzo[a]pyrene	252	12.881	12.881	0.000	97	2147583	16.0	17.3	
* 110 Perylene-d12	264	12.955	12.958	-0.003	99	921545	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.458	14.457	0.001	99	2215706	16.0	17.2	
112 Dibenz(a,h)anthracene	278	14.503	14.505	-0.002	99	2435417	16.0	17.2	
113 Benzo[g,h,i]perylene	276	14.861	14.860	0.001	98	2360785	16.0	16.5	
S 115 Total Cresols	1				0			32.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00007 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D

Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18 Operator ID:

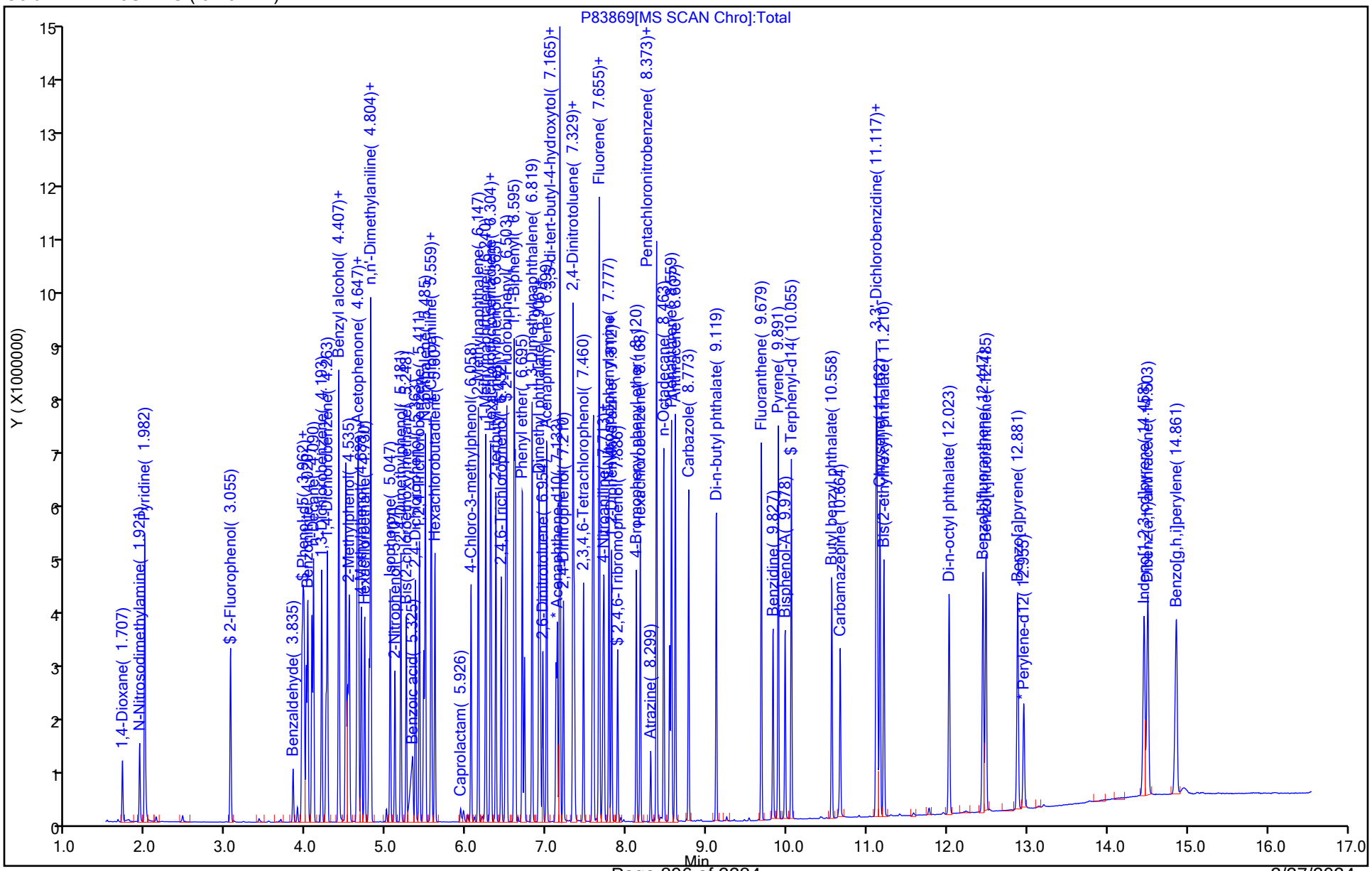
Lims ID: STD16 Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

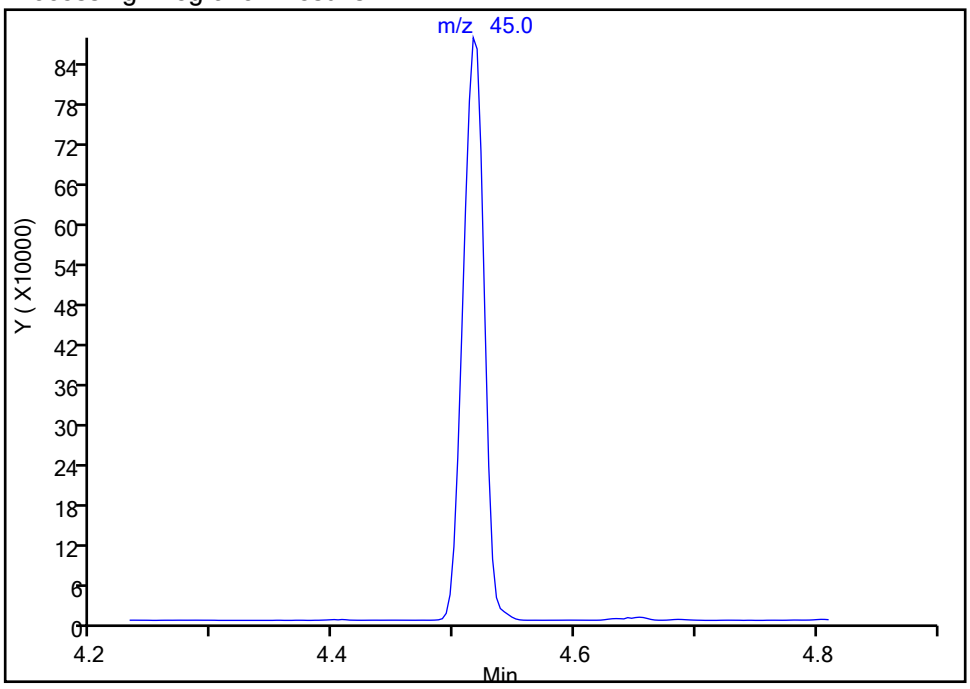
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

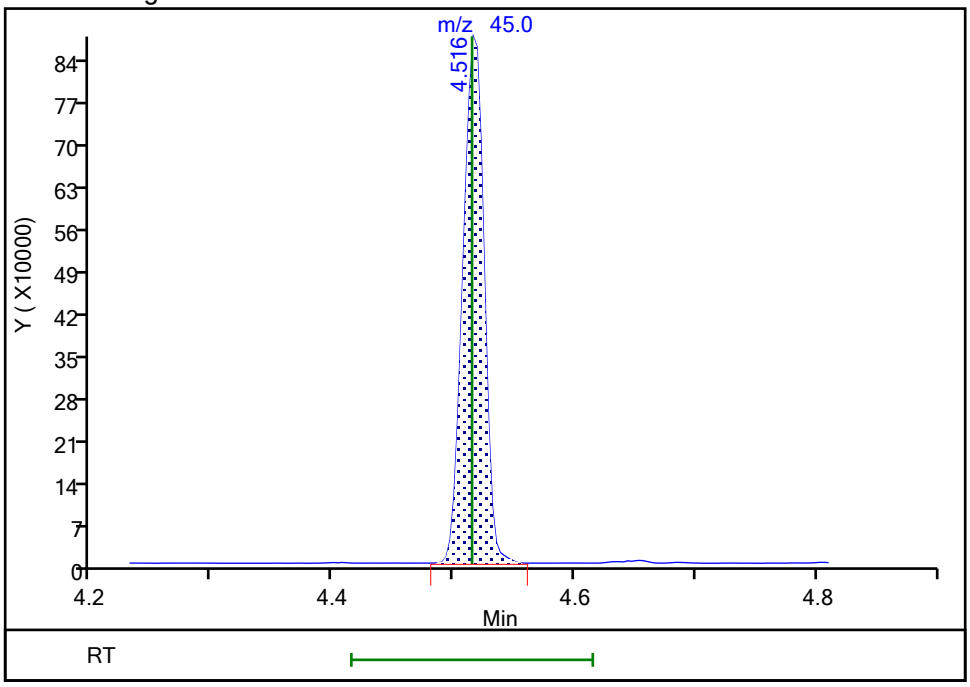
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.52
Area: 1058069
Amount: 15.860366
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:08 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

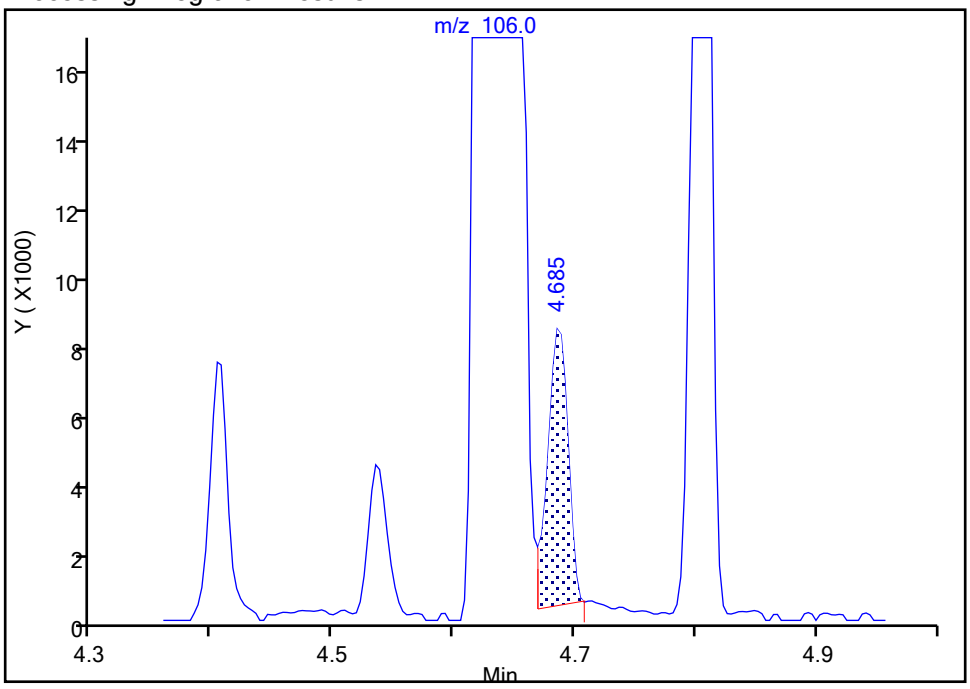
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

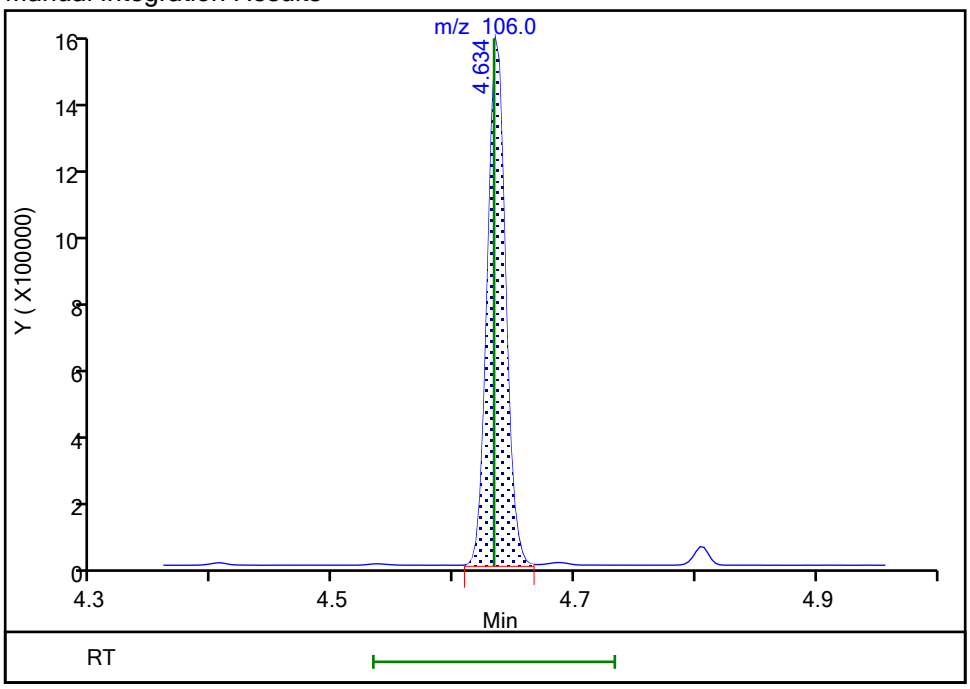
Processing Integration Results

RT: 4.69
Area: 9105
Amount: 0.134277
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 1655047
Amount: 17.915478
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Manual Integration/User Assign Peak Report

Eurofins Edison

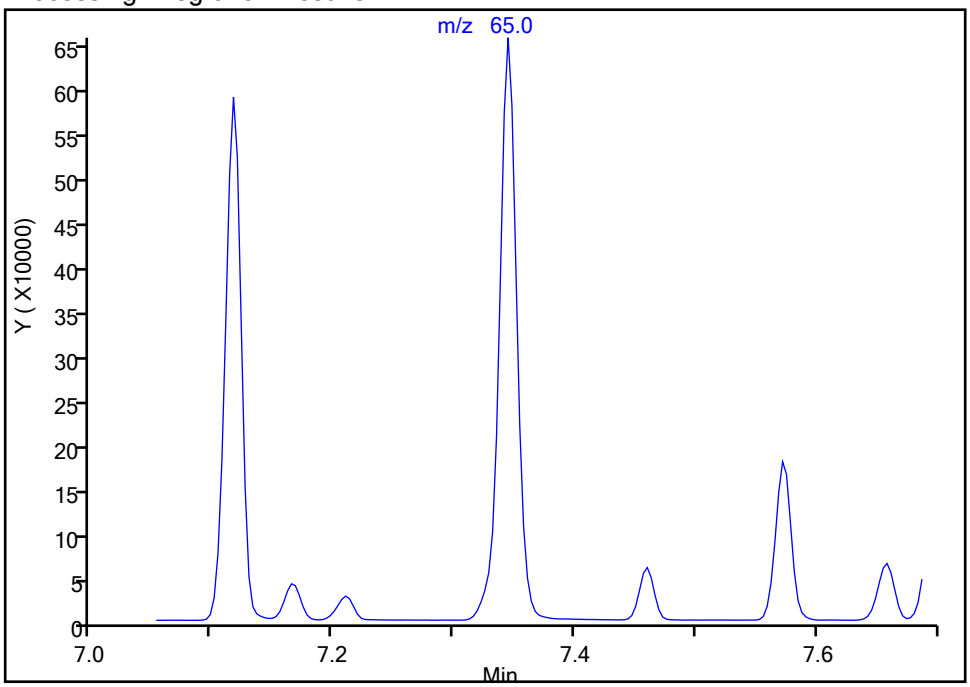
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83869.D
Injection Date: 04-Mar-2024 12:47:30 Instrument ID: CBNAMS18
Lims ID: STD16
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

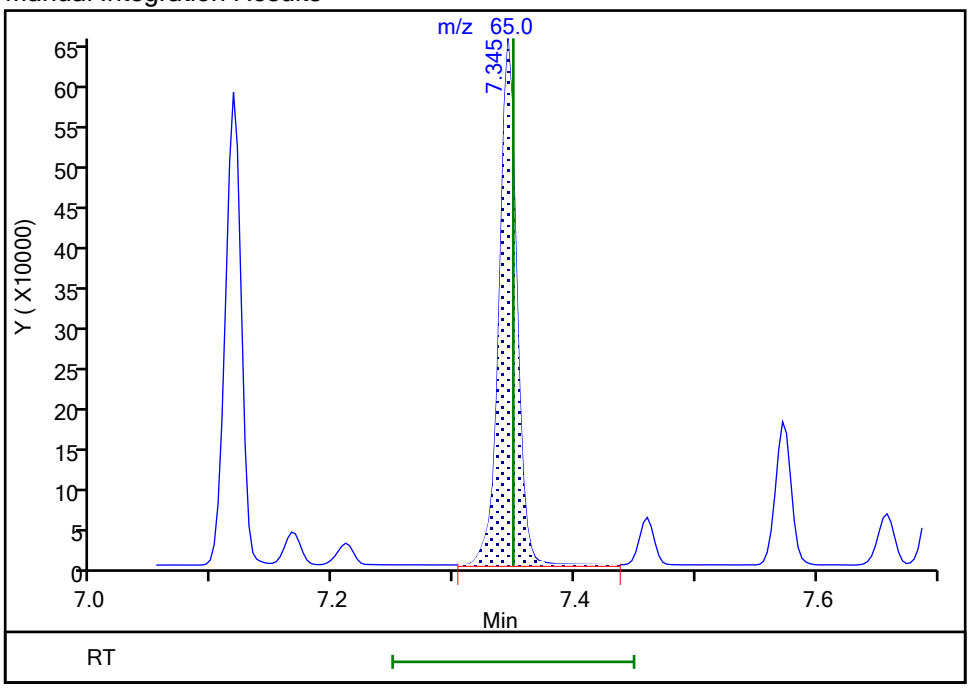
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 661127
Amount: 34.060031
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:17:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 04-Mar-2024 13:30:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-005
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:41 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 13:59:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.703	1.713	-0.010	92	103141	4.00	4.14	
2 N-Nitrosodimethylamine	74	1.914	1.924	-0.010	96	156760	4.00	4.15	
3 Pyridine	79	1.981	1.997	-0.016	97	511337	8.00	8.75	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	96	233767	4.00	4.06	
5 Benzaldehyde	77	3.831	3.837	-0.006	95	149646	3.20	3.39	
8 Aniline	93	3.943	3.949	-0.006	98	352892	4.00	4.27	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	98	280299	4.00	4.10	
7 Phenol	94	3.968	3.975	-0.007	97	326605	4.00	4.16	
9 Bis(2-chloroethyl)ether	93	3.994	3.997	-0.003	98	255487	4.00	4.20	
10 Benzonitrile	103	4.013	4.019	-0.006	97	467457	NC	NC	
11 2-Chlorophenol	128	4.067	4.070	-0.003	98	269179	4.00	4.21	
12 n-Decane	43	4.087	4.090	-0.004	88	210749	4.00	4.07	
13 1,3-Dichlorobenzene	146	4.189	4.192	-0.003	96	296386	4.00	4.07	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	360538	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	304714	4.00	4.10	
17 Benzyl alcohol	108	4.396	4.406	-0.010	95	166425	4.00	4.09	
18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	288827	4.00	4.10	
21 2,2'-oxybis[1-chloropropane]	45	4.512	4.515	-0.003	94	271622	4.00	4.20	a
20 2-Methylphenol	108	4.531	4.537	-0.006	91	231906	4.00	4.11	
22 N-Methylaniline	106	4.630	4.633	-0.003	94	382354	4.00	4.27	a
23 Acetophenone	105	4.639	4.646	-0.007	94	362614	4.00	4.12	
24 N-Nitrosodi-n-propylamine	70	4.643	4.652	-0.009	85	171661	4.00	4.33	
26 4-Methylphenol	108	4.684	4.687	-0.003	96	254897	4.00	4.22	
25 3 & 4 Methylphenol	108	4.684	4.687	-0.003	62	254897	4.00	4.22	
27 Hexachloroethane	117	4.726	4.729	-0.003	94	106992	4.00	4.23	
$ 28 Nitrobenzene-d5	82	4.780	4.783	-0.003	85	238918	4.00	4.16	
29 Nitrobenzene	123	4.799	4.803	-0.004	87	135460	4.00	4.30	
30 n,n'-Dimethylaniline	120	4.799	4.803	-0.004	86	391914	4.00	4.00	
31 Isophorone	82	5.039	5.049	-0.010	99	459350	4.00	4.35	
32 2-Nitrophenol	139	5.103	5.106	-0.003	96	144813	4.00	4.24	
33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	93	217218	4.00	4.15	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.244	5.250	-0.006	97	309546	4.00	4.21	
35 Benzoic acid	122	5.282	5.314	-0.032	85	141749	4.00	4.19	
36 2,4-Dichlorophenol	162	5.362	5.365	-0.003	98	221406	4.00	4.20	
37 1,2,4-Trichlorobenzene	180	5.410	5.413	-0.003	94	249276	4.00	4.18	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1416775	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	812569	4.00	4.19	
40 4-Chloroaniline	127	5.554	5.557	-0.003	98	316902	4.00	4.51	
41 2,6-Dichlorophenol	162	5.557	5.564	-0.007	97	219977	4.00	4.16	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	137107	4.00	4.17	
44 Caprolactam	113	5.902	5.931	-0.029	94	44061	3.20	3.26	
45 4-Chloro-3-methylphenol	107	6.055	6.059	-0.004	96	211953	4.00	4.26	
46 2-Methylnaphthalene	142	6.145	6.149	-0.004	87	530846	4.00	4.25	
47 1-Methylnaphthalene	142	6.238	6.241	-0.003	93	494117	4.00	4.23	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	98	163741	4.00	4.11	
49 1,2,4,5-Tetrachlorobenzene	216	6.302	6.305	-0.003	98	245380	4.00	4.12	
50 2-tertbutyl-4-methylphenol	149	6.366	6.369	-0.003	92	297866	4.00	4.18	
51 2,4,6-Trichlorophenol	196	6.430	6.433	-0.003	93	157999	4.00	4.28	
52 2,4,5-Trichlorophenol	196	6.487	6.488	-0.001	99	168578	4.00	4.15	
$ 53 2-Fluorobiphenyl	172	6.500	6.501	-0.001	98	569729	4.00	4.07	
54 1,1'-Biphenyl	154	6.590	6.594	-0.004	95	647051	4.00	4.12	
55 2-Chloronaphthalene	162	6.606	6.610	-0.004	98	503523	4.00	4.13	
56 Phenyl ether	170	6.695	6.696	-0.001	84	329383	4.00	3.98	
57 2-Nitroaniline	65	6.718	6.725	-0.007	93	113486	4.00	4.12	
58 1,3-Dimethylnaphthalene	156	6.817	6.818	-0.001	92	371572	4.00	3.99	
59 Dimethyl phthalate	163	6.897	6.904	-0.007	100	534518	4.00	4.17	
60 Coumarin	146	6.909	6.914	-0.005	82	165795	4.00	4.13	
61 2,6-Dinitrotoluene	165	6.948	6.952	-0.004	96	116865	4.00	4.33	
62 Acenaphthylene	152	6.996	7.000	-0.004	98	809411	4.00	4.27	
63 3-Nitroaniline	138	7.111	7.118	-0.007	97	125646	4.00	4.23	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	94	758977	8.00	8.00	
65 Acenaphthene	154	7.162	7.166	-0.004	95	463216	4.00	4.09	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.165	7.166	-0.001	97	411525	4.00	3.95	
67 2,4-Dinitrophenol	184	7.204	7.211	-0.007	95	145350	8.00	8.45	
69 2,4-Dinitrotoluene	165	7.325	7.330	-0.005	94	147514	4.00	4.37	
70 Dibenzofuran	168	7.325	7.330	-0.005	99	698867	4.00	4.12	
68 4-Nitrophenol	65	7.345	7.349	-0.004	91	166053	8.00	8.54	a
71 2,3,4,6-Tetrachlorophenol	232	7.460	7.461	-0.001	96	134925	4.00	4.18	
72 Diethyl phthalate	149	7.565	7.573	-0.008	98	513468	4.00	4.13	
73 Fluorene	166	7.649	7.653	-0.004	96	554125	4.00	4.14	
74 4-Chlorophenyl phenyl ether	204	7.658	7.660	-0.002	91	269869	4.00	4.13	
75 4-Nitroaniline	138	7.690	7.701	-0.011	86	113042	4.00	4.24	
76 4,6-Dinitro-2-methylphenol	198	7.706	7.714	-0.008	91	174455	8.00	8.10	
77 N-Nitrosodiphenylamine	169	7.773	7.778	-0.005	98	377233	4.00	4.11	
78 1,2-Diphenylhydrazine	77	7.805	7.810	-0.005	98	488679	4.00	4.09	
131 Azobenzene	77	7.805	7.810	-0.005	0	488679	4.00	4.09	
$ 79 2,4,6-Tribromophenol	330	7.882	7.887	-0.005	92	95765	4.00	4.01	
80 4-Bromophenyl phenyl ether	248	8.119	8.121	-0.002	95	156676	4.00	4.12	
82 Hexachlorobenzene	284	8.167	8.169	-0.002	95	196024	4.00	4.22	
83 Atrazine	200	8.295	8.303	-0.008	95	95528	3.20	3.42	
85 Pentachloronitrobenzene	237	8.368	8.374	-0.006	76	56984	4.00	3.91	
84 Pentachlorophenol	266	8.368	8.374	-0.006	93	215566	8.00	8.13	
87 n-Octadecane	57	8.461	8.464	-0.003	88	304577	4.00	4.09	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1301717	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	98	729215	4.00	4.09	
90 Anthracene	178	8.602	8.608	-0.006	98	740727	4.00	4.12	
91 Carbazole	167	8.769	8.774	-0.005	96	645950	4.00	4.17	
92 Di-n-butyl phthalate	149	9.117	9.120	-0.003	99	737185	4.00	4.06	
93 Fluoranthene	202	9.677	9.680	-0.003	97	695418	4.00	4.10	
94 Benzidine	184	9.821	9.828	-0.007	99	325391	4.00	4.18	
95 Pyrene	202	9.889	9.892	-0.003	97	725654	4.00	4.25	
96 Bisphenol-A	213	9.975	9.979	-0.004	99	249816	4.00	4.04	
$ 97 Terphenyl-d14	244	10.052	10.056	-0.004	97	563788	4.00	4.18	
98 Butyl benzyl phthalate	149	10.558	10.560	-0.002	96	261422	4.00	4.08	
100 Carbamazepine	193	10.658	10.666	-0.008	93	157947	4.00	3.60	
101 3,3'-Dichlorobenzidine	252	11.110	11.115	-0.005	99	215743	4.00	4.19	
102 Benzo[a]anthracene	228	11.116	11.122	-0.006	99	594018	4.00	4.11	
* 103 Chrysene-d12	240	11.129	11.132	-0.003	99	886573	8.00	8.00	
104 Chrysene	228	11.155	11.161	-0.006	98	561697	4.00	4.16	
105 Bis(2-ethylhexyl) phthalate	149	11.209	11.212	-0.003	86	366632	4.00	4.30	
106 Di-n-octyl phthalate	149	12.021	12.028	-0.007	96	584172	4.00	4.09	
107 Benzo[b]fluoranthene	252	12.441	12.446	-0.005	99	570555	4.00	4.23	
108 Benzo[k]fluoranthene	252	12.477	12.485	-0.008	99	609560	4.00	4.41	
109 Benzo[a]pyrene	252	12.875	12.881	-0.006	97	494338	4.00	4.19	
* 110 Perylene-d12	264	12.955	12.958	-0.003	99	877990	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.448	14.457	-0.009	98	509393	4.00	4.16	
112 Dibenz(a,h)anthracene	278	14.493	14.505	-0.012	98	572048	4.00	4.25	
113 Benzo[g,h,i]perylene	276	14.844	14.860	-0.016	98	567466	4.00	4.16	
S 115 Total Cresols	1				0			8.33	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00008 Amount Added: 1.00 Units: mL

Report Date: 05-Mar-2024 06:44:43 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D

Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18 Operator ID:

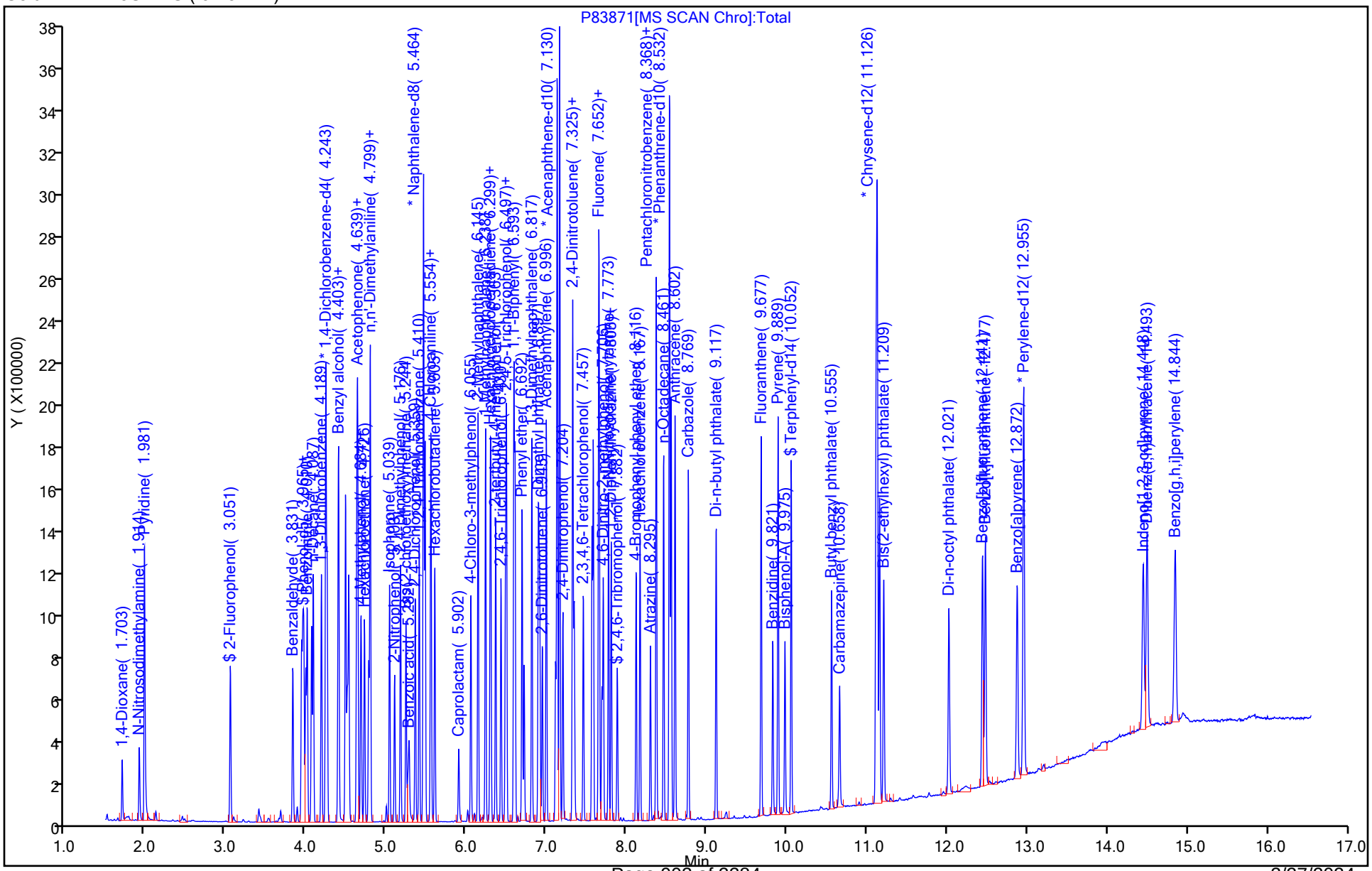
Lims ID: STD4 Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins Edison

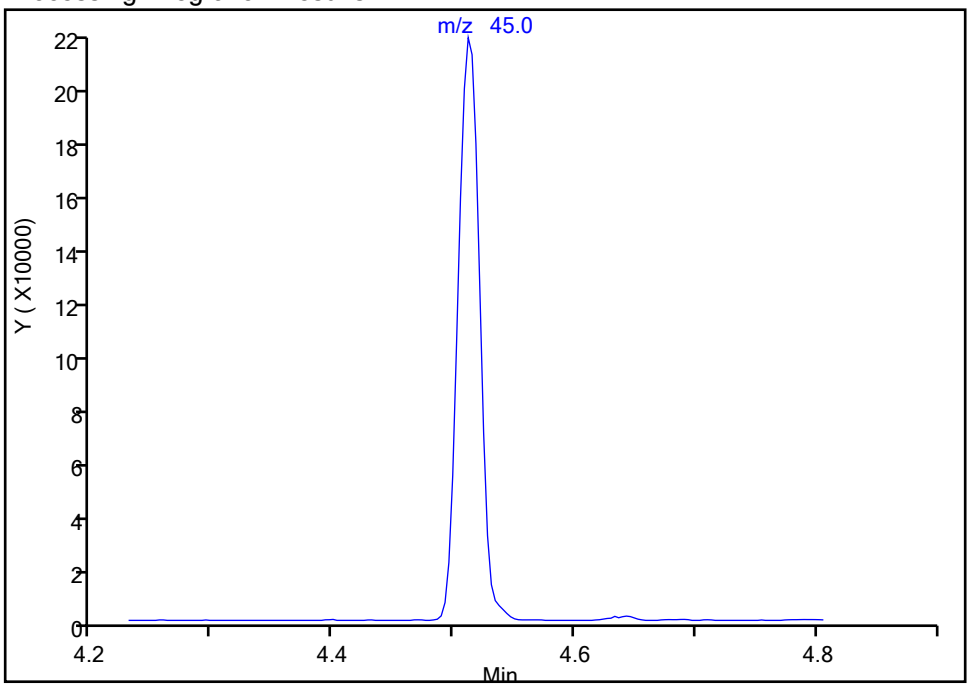
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

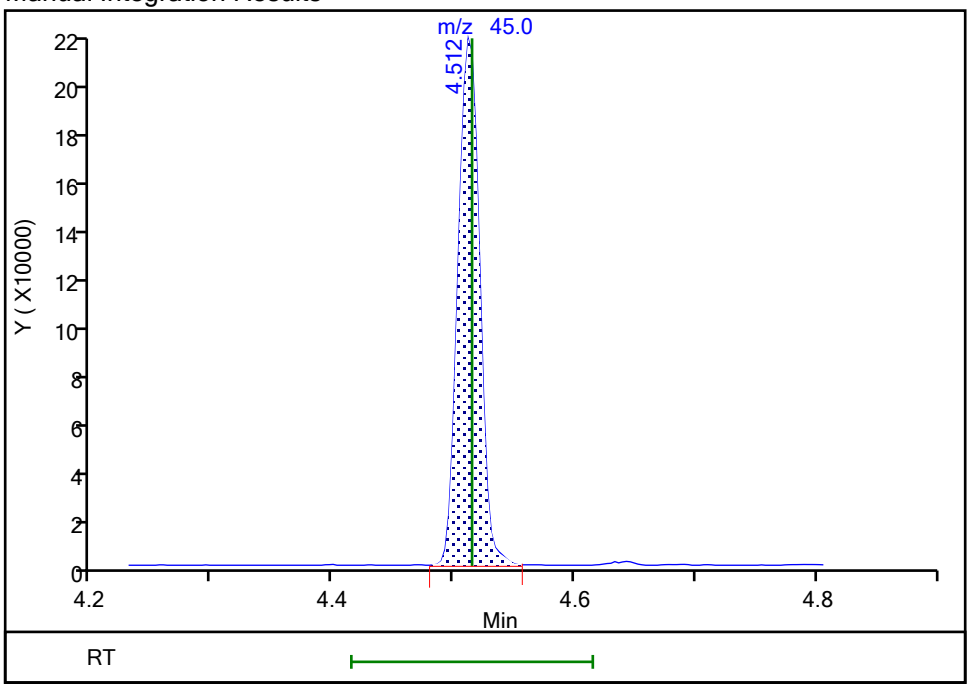
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 271622
Amount: 4.197487
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:58:50 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

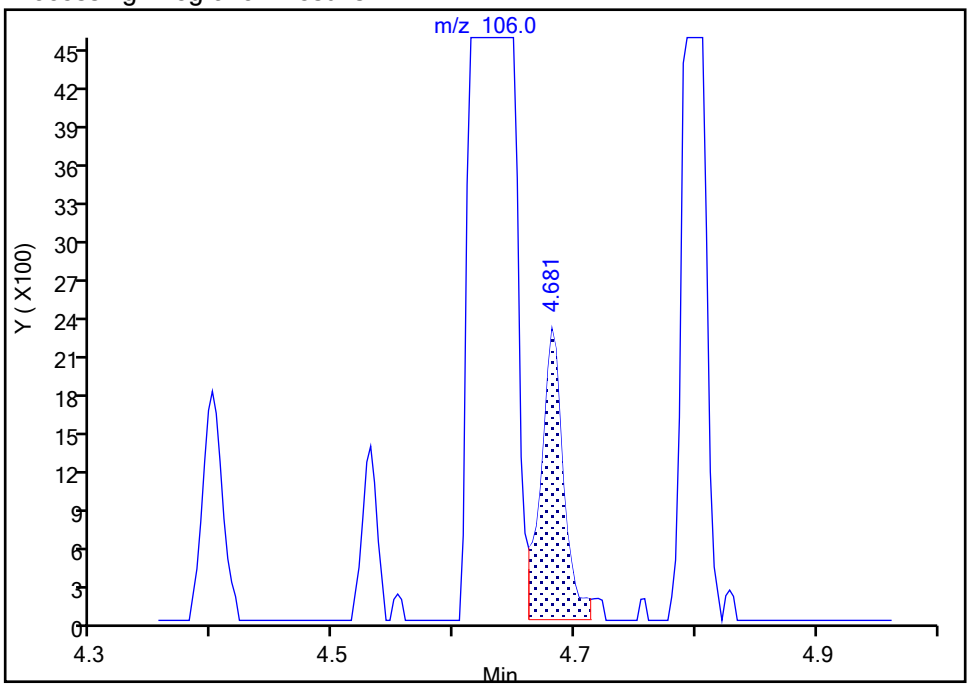
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

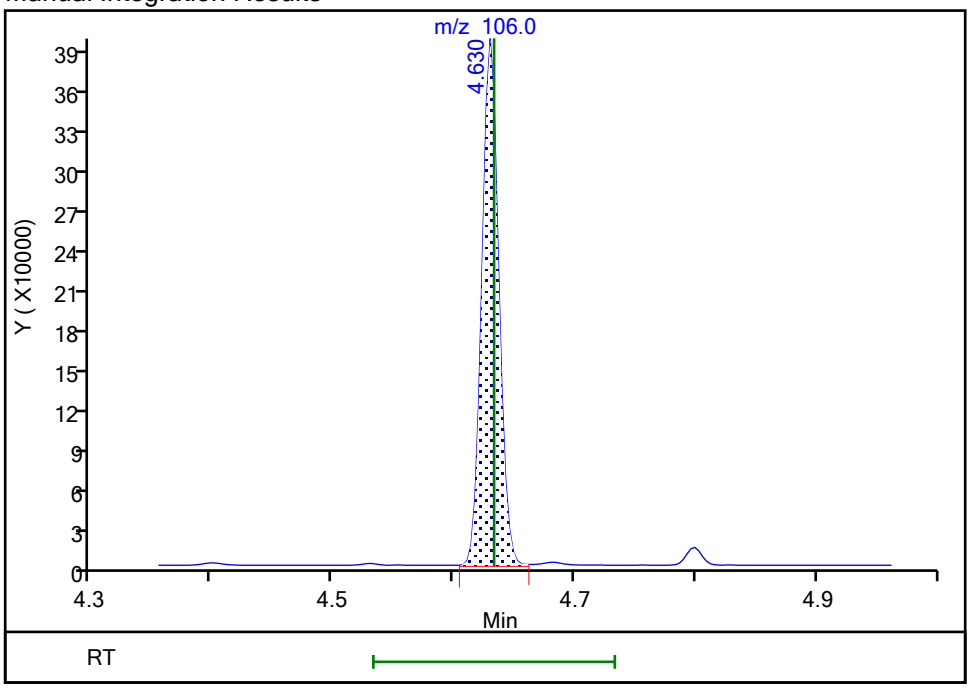
Processing Integration Results

RT: 4.68
Area: 2971
Amount: 0.038210
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 382354
Amount: 4.266865
Amount Units: ug/ml



Reviewer: G4KC, 05-Mar-2024 06:33:27 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

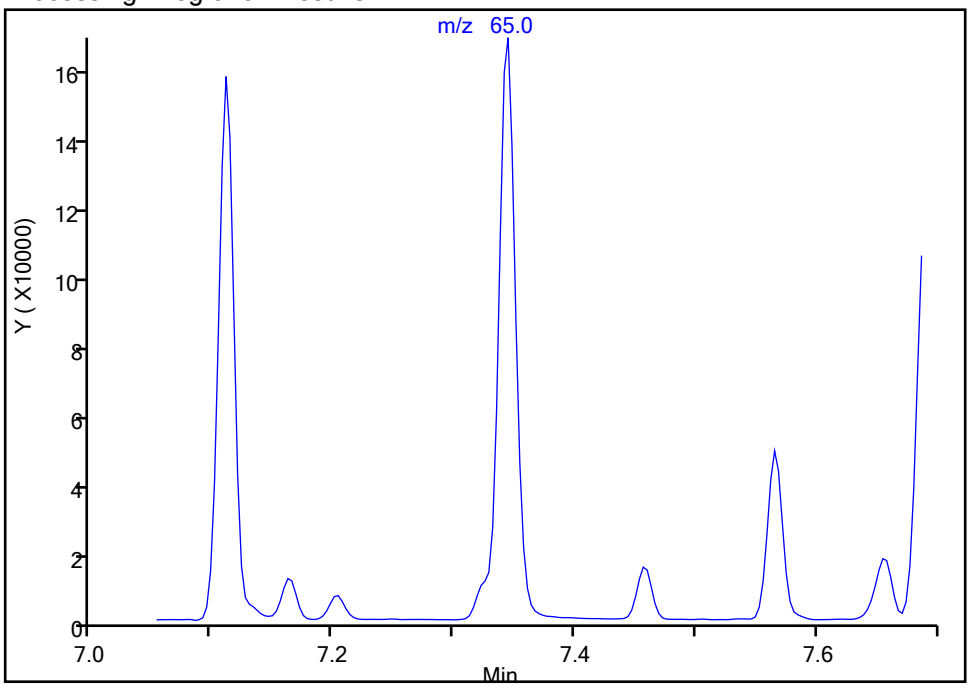
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83871.D
Injection Date: 04-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: STD4
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

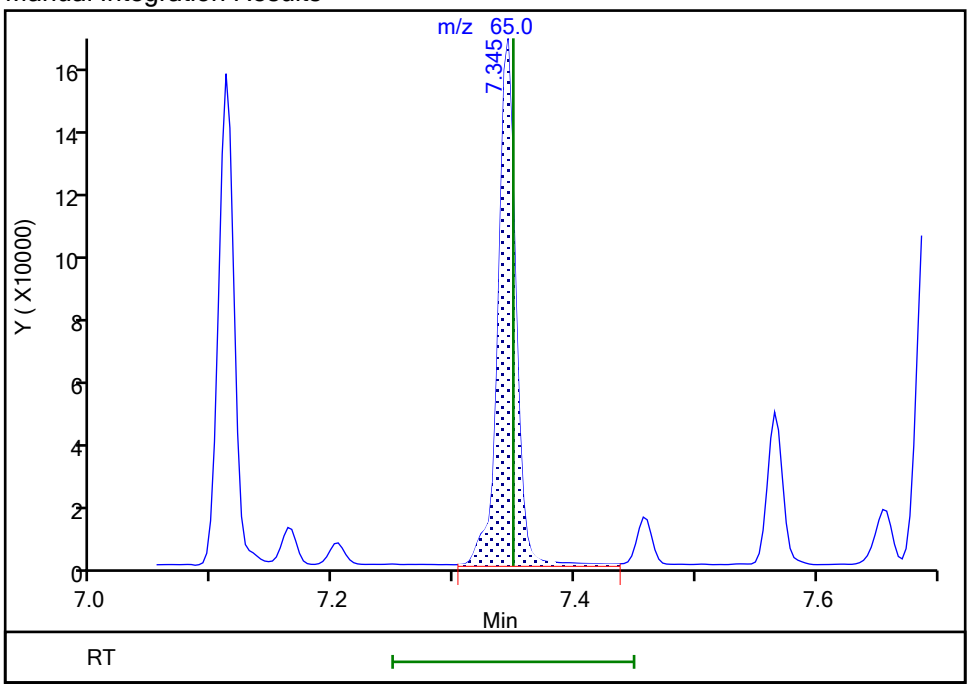
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 166053
Amount: 8.535557
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 13:58:58 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 04-Mar-2024 14:12:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-006
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:46 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 14:46:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.703	1.713	-0.010	92	50706	2.00	2.07	
2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	95	74503	2.00	2.00	
3 Pyridine	79	1.981	1.997	-0.016	97	261157	4.00	4.54	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	96	114194	2.00	2.02	
5 Benzaldehyde	77	3.831	3.837	-0.006	95	91105	2.00	2.10	
8 Aniline	93	3.939	3.949	-0.010	98	170083	2.00	2.09	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	98	138519	2.00	2.06	
7 Phenol	94	3.968	3.975	-0.007	98	157069	2.00	2.03	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	125969	2.00	2.11	
10 Benzonitrile	103	4.010	4.019	-0.009	97	228369	NC	NC	
11 2-Chlorophenol	128	4.064	4.070	-0.006	98	126094	2.00	2.01	
12 n-Decane	43	4.086	4.090	-0.004	88	104434	2.00	2.05	
13 1,3-Dichlorobenzene	146	4.189	4.192	-0.003	97	148050	2.00	2.07	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	354643	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	149773	2.00	2.05	
17 Benzyl alcohol	108	4.396	4.406	-0.010	96	78058	2.00	1.95	
18 1,2-Dichlorobenzene	146	4.403	4.406	-0.003	96	142892	2.00	2.06	
21 2,2'-oxybis[1-chloropropane]	45	4.511	4.515	-0.004	93	130391	2.00	2.05	a
20 2-Methylphenol	108	4.527	4.537	-0.010	92	114763	2.00	2.07	
22 N-Methylaniline	106	4.626	4.633	-0.007	99	182059	2.00	2.07	a
23 Acetophenone	105	4.636	4.646	-0.010	95	176805	2.00	2.04	
24 N-Nitrosodi-n-propylamine	70	4.639	4.652	-0.013	82	83203	2.00	2.13	
26 4-Methylphenol	108	4.681	4.687	-0.006	97	121910	2.00	2.05	
25 3 & 4 Methylphenol	108	4.681	4.687	-0.006	62	121910	2.00	2.05	
27 Hexachloroethane	117	4.725	4.729	-0.004	92	52013	2.00	2.09	
$ 28 Nitrobenzene-d5	82	4.777	4.783	-0.006	86	117737	2.00	2.03	
29 Nitrobenzene	123	4.796	4.803	-0.007	96	65847	2.00	2.12	
30 n,n'-Dimethylaniline	120	4.796	4.803	-0.007	93	193989	2.00	2.01	
31 Isophorone	82	5.039	5.049	-0.010	99	216612	2.00	2.03	
32 2-Nitrophenol	139	5.103	5.106	-0.004	96	66076	2.00	1.91	
33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	92	103207	2.00	1.95	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	150488	2.00	2.02	
35 Benzoic acid	122	5.269	5.314	-0.045	86	57056	2.00	1.67	
36 2,4-Dichlorophenol	162	5.358	5.365	-0.007	97	105392	2.00	1.98	
37 1,2,4-Trichlorobenzene	180	5.409	5.413	-0.004	93	124336	2.00	2.06	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1432430	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	403320	2.00	2.06	
40 4-Chloroaniline	127	5.550	5.557	-0.007	98	153119	2.00	2.15	
41 2,6-Dichlorophenol	162	5.556	5.564	-0.008	98	107184	2.00	2.00	
42 Hexachlorobutadiene	225	5.604	5.605	-0.001	97	68269	2.00	2.05	
44 Caprolactam	113	5.895	5.931	-0.036	93	25461	2.00	1.91	
45 4-Chloro-3-methylphenol	107	6.055	6.059	-0.004	95	100576	2.00	2.00	
46 2-Methylnaphthalene	142	6.144	6.149	-0.005	85	260464	2.00	2.06	
47 1-Methylnaphthalene	142	6.237	6.241	-0.004	92	242148	2.00	2.05	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	97	76641	2.00	1.89	
49 1,2,4,5-Tetrachlorobenzene	216	6.301	6.305	-0.004	98	119925	2.00	1.98	
50 2-tertbutyl-4-methylphenol	149	6.362	6.369	-0.007	91	141396	2.00	1.96	
51 2,4,6-Trichlorophenol	196	6.429	6.433	-0.004	91	75798	2.00	2.02	
52 2,4,5-Trichlorophenol	196	6.486	6.488	-0.002	98	80374	2.00	1.94	
$ 53 2-Fluorobiphenyl	172	6.496	6.501	-0.005	98	286156	2.00	2.01	
54 1,1'-Biphenyl	154	6.589	6.594	-0.005	96	320039	2.00	2.00	
55 2-Chloronaphthalene	162	6.605	6.610	-0.005	99	251351	2.00	2.03	
56 Phenyl ether	170	6.691	6.696	-0.005	85	163820	2.00	1.94	
57 2-Nitroaniline	65	6.717	6.725	-0.008	93	54548	2.00	1.95	
58 1,3-Dimethylnaphthalene	156	6.816	6.818	-0.002	92	184259	2.00	1.94	
59 Dimethyl phthalate	163	6.896	6.904	-0.008	99	267716	2.00	2.05	
60 Coumarin	146	6.905	6.914	-0.009	82	80478	2.00	1.98	
61 2,6-Dinitrotoluene	165	6.944	6.952	-0.008	96	56194	2.00	2.04	
62 Acenaphthylene	152	6.995	7.000	-0.005	98	395428	2.00	2.05	
63 3-Nitroaniline	138	7.110	7.118	-0.008	95	60477	2.00	2.00	
* 64 Acenaphthene-d10	164	7.129	7.134	-0.005	95	773076	8.00	8.00	
65 Acenaphthene	154	7.161	7.166	-0.005	95	235101	2.00	2.04	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.164	7.166	-0.002	97	200172	2.00	1.89	
67 2,4-Dinitrophenol	184	7.203	7.211	-0.008	96	63614	4.00	3.63	
69 2,4-Dinitrotoluene	165	7.324	7.330	-0.006	93	69937	2.00	2.03	
70 Dibenzofuran	168	7.324	7.330	-0.006	99	355996	2.00	2.06	
68 4-Nitrophenol	65	7.344	7.349	-0.005	90	79500	4.00	4.01	a
71 2,3,4,6-Tetrachlorophenol	232	7.455	7.461	-0.006	95	66120	2.00	2.01	
72 Diethyl phthalate	149	7.564	7.573	-0.009	99	263571	2.00	2.08	
73 Fluorene	166	7.647	7.653	-0.006	94	278018	2.00	2.04	
74 4-Chlorophenyl phenyl ether	204	7.657	7.660	-0.003	92	134894	2.00	2.03	
75 4-Nitroaniline	138	7.686	7.701	-0.015	86	52576	2.00	1.94	
76 4,6-Dinitro-2-methylphenol	198	7.705	7.714	-0.009	91	83673	4.00	3.74	
77 N-Nitrosodiphenylamine	169	7.772	7.778	-0.006	99	188492	2.00	1.98	
78 1,2-Diphenylhydrazine	77	7.804	7.810	-0.006	98	244414	2.00	1.97	
131 Azobenzene	77	7.804	7.810	-0.006	0	244635	2.00	1.98	
$ 79 2,4,6-Tribromophenol	330	7.881	7.887	-0.006	92	47802	2.00	1.96	
80 4-Bromophenyl phenyl ether	248	8.117	8.121	-0.004	93	79245	2.00	2.01	
82 Hexachlorobenzene	284	8.165	8.169	-0.004	94	100916	2.00	2.09	
83 Atrazine	200	8.293	8.303	-0.010	95	59931	2.00	2.07	
84 Pentachlorophenol	266	8.367	8.374	-0.007	92	101369	4.00	3.69	
85 Pentachloronitrobenzene	237	8.367	8.374	-0.007	56	28182	2.00	1.87	
87 n-Octadecane	57	8.460	8.464	-0.004	89	148157	2.00	1.92	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.533	8.537	-0.004	98	1350719	8.00	8.00	
89 Phenanthrene	178	8.553	8.560	-0.007	97	384246	2.00	2.08	
90 Anthracene	178	8.601	8.608	-0.007	98	380250	2.00	2.04	
91 Carbazole	167	8.767	8.774	-0.007	96	325686	2.00	2.02	
92 Di-n-butyl phthalate	149	9.115	9.120	-0.005	99	358989	2.00	1.91	
93 Fluoranthene	202	9.675	9.680	-0.005	97	361636	2.00	2.05	
94 Benzidine	184	9.822	9.828	-0.006	99	156919	2.00	1.94	
95 Pyrene	202	9.886	9.892	-0.006	97	372786	2.00	2.06	
96 Bisphenol-A	213	9.973	9.979	-0.006	99	121033	2.00	1.85	
$ 97 Terphenyl-d14	244	10.053	10.056	-0.003	97	288427	2.00	2.02	
98 Butyl benzyl phthalate	149	10.553	10.560	-0.008	96	125591	2.00	1.85	
100 Carbamazepine	193	10.655	10.666	-0.011	92	66812	2.00	1.85	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	98	105054	2.00	1.92	
102 Benzo[a]anthracene	228	11.117	11.122	-0.006	99	309193	2.00	2.02	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	939750	8.00	8.00	
104 Chrysene	228	11.155	11.161	-0.006	98	288582	2.00	2.02	
105 Bis(2-ethylhexyl) phthalate	149	11.206	11.212	-0.006	86	171445	2.00	1.90	
106 Di-n-octyl phthalate	149	12.018	12.028	-0.010	96	270915	2.00	1.83	
107 Benzo[b]fluoranthene	252	12.438	12.446	-0.008	99	280729	2.00	2.01	
108 Benzo[k]fluoranthene	252	12.473	12.485	-0.012	99	300978	2.00	2.10	
109 Benzo[a]pyrene	252	12.871	12.881	-0.010	97	254959	2.00	2.09	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	908945	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.443	14.457	-0.014	99	256783	2.00	2.02	
112 Dibenz(a,h)anthracene	278	14.492	14.505	-0.013	97	289375	2.00	2.08	
113 Benzo[g,h,i]perylene	276	14.839	14.860	-0.021	98	278054	2.00	1.97	
S 115 Total Cresols	1				0			4.12	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL5_LVI_00007 Amount Added: 1.00 Units: mL

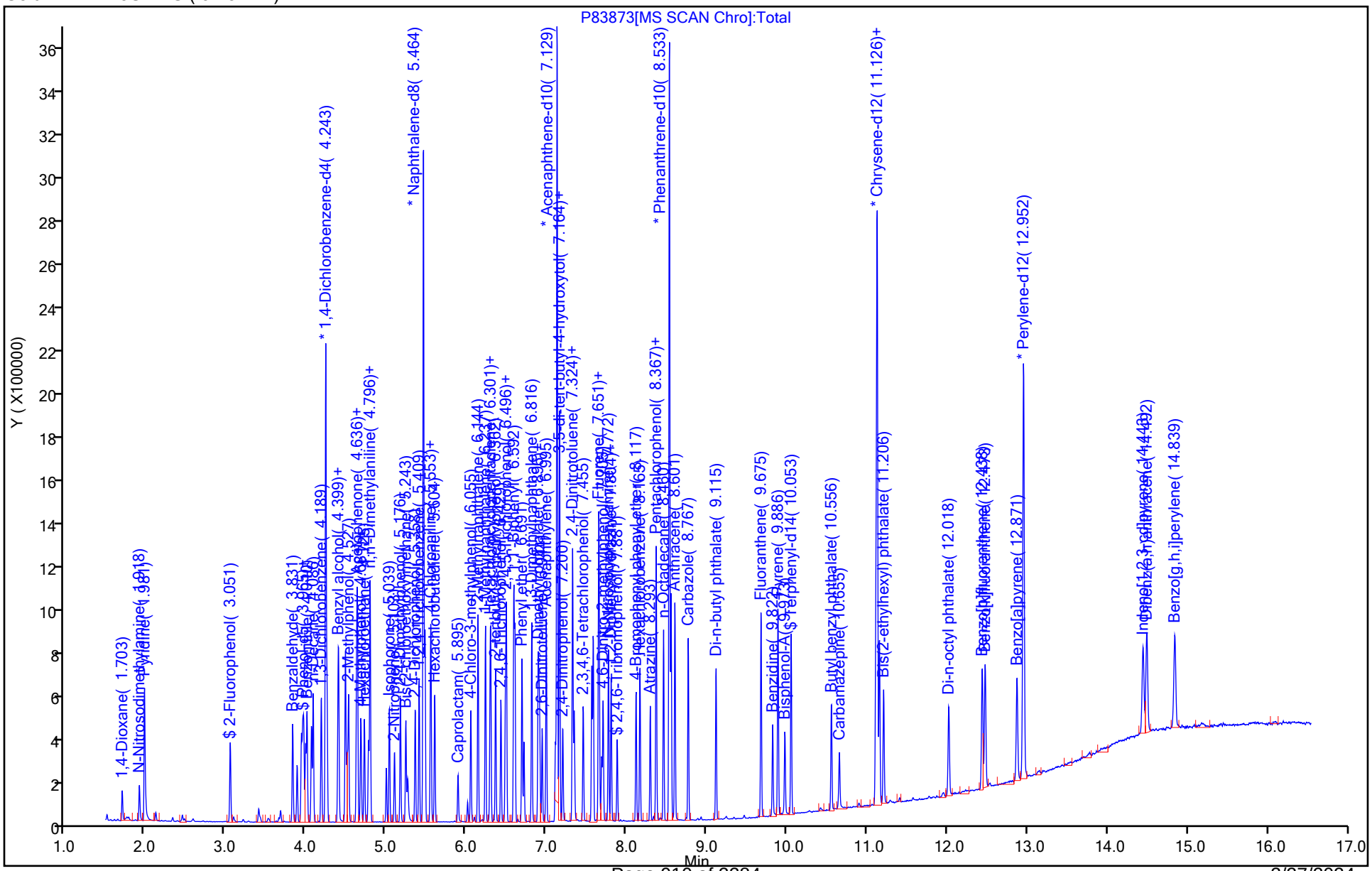
Report Date: 05-Mar-2024 06:44:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D

Injection Date:	04-Mar-2024 14:12:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	6
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

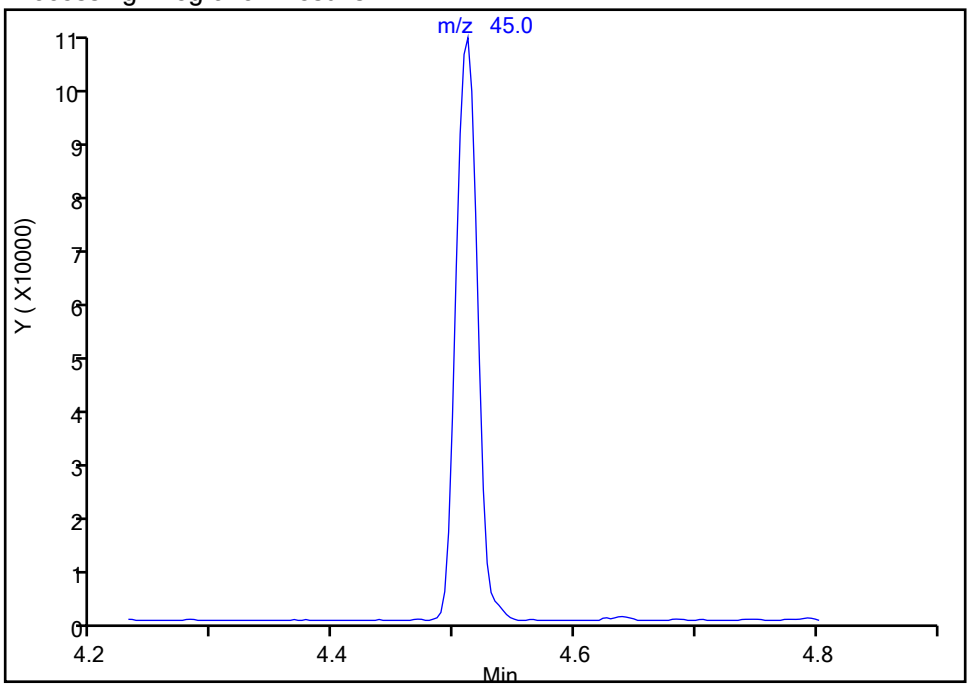
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Injection Date: 04-Mar-2024 14:12:30 Instrument ID: CBNAMS18
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

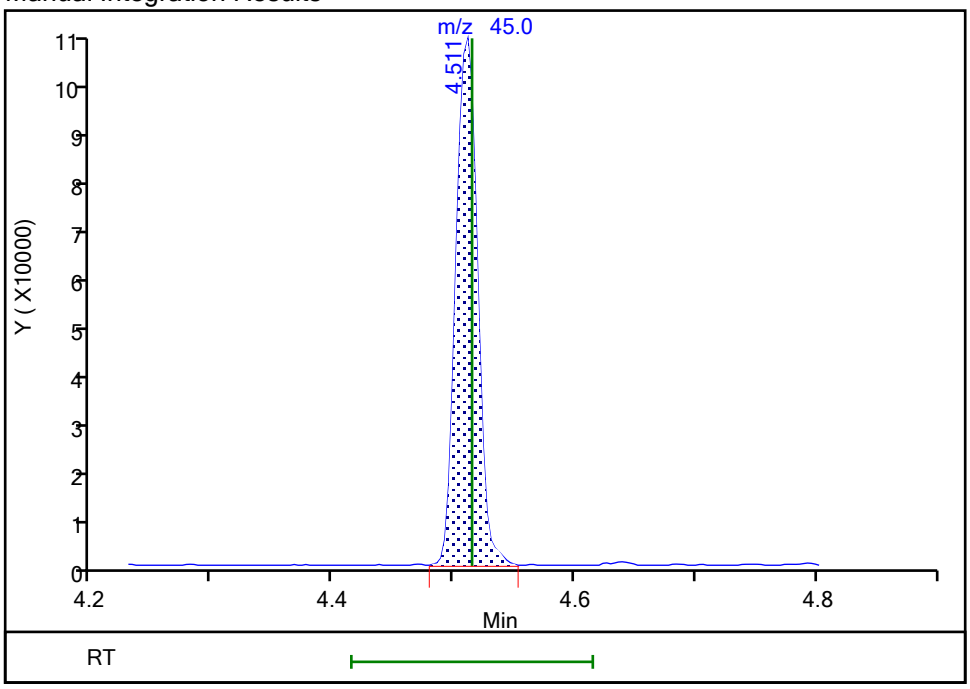
Not Detected
Expected RT: 4.51

Processing Integration Results



RT: 4.51
Area: 130391
Amount: 2.048480
Amount Units: ug/ml

Manual Integration Results



Reviewer: G4KC, 04-Mar-2024 14:45:05 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

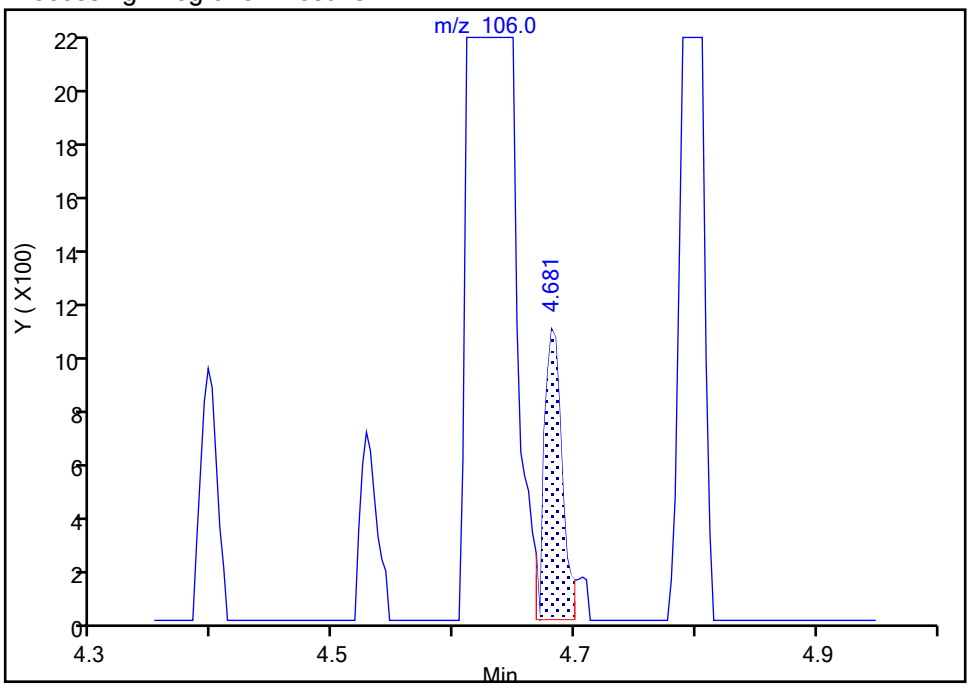
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Injection Date: 04-Mar-2024 14:12:30 Instrument ID: CBNAMS18
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

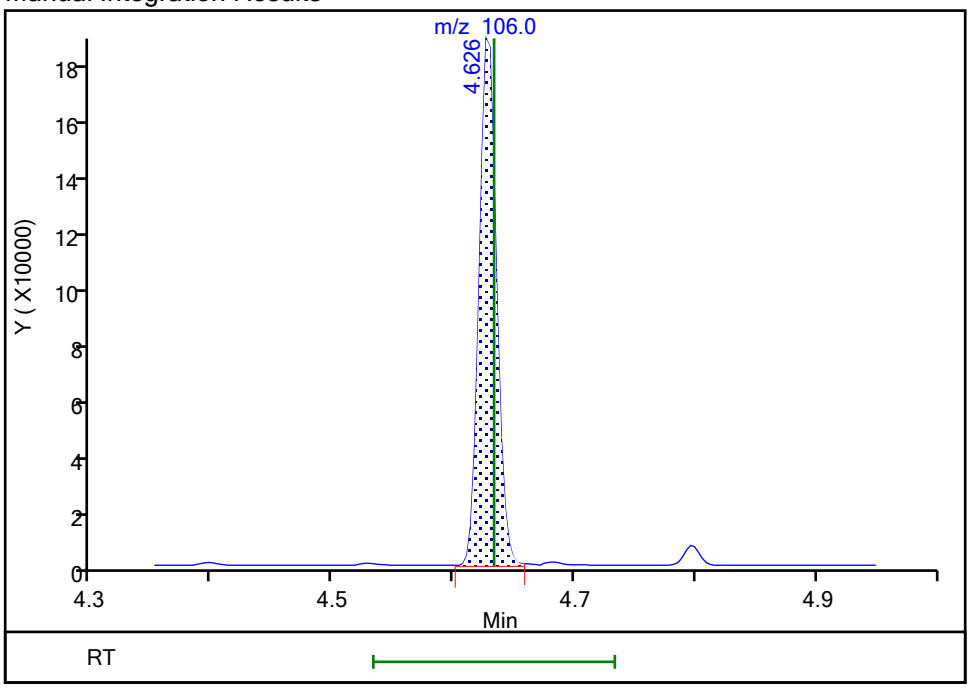
Processing Integration Results

RT: 4.68
Area: 1123
Amount: 2.539930
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 182059
Amount: 2.065452
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:46:01 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

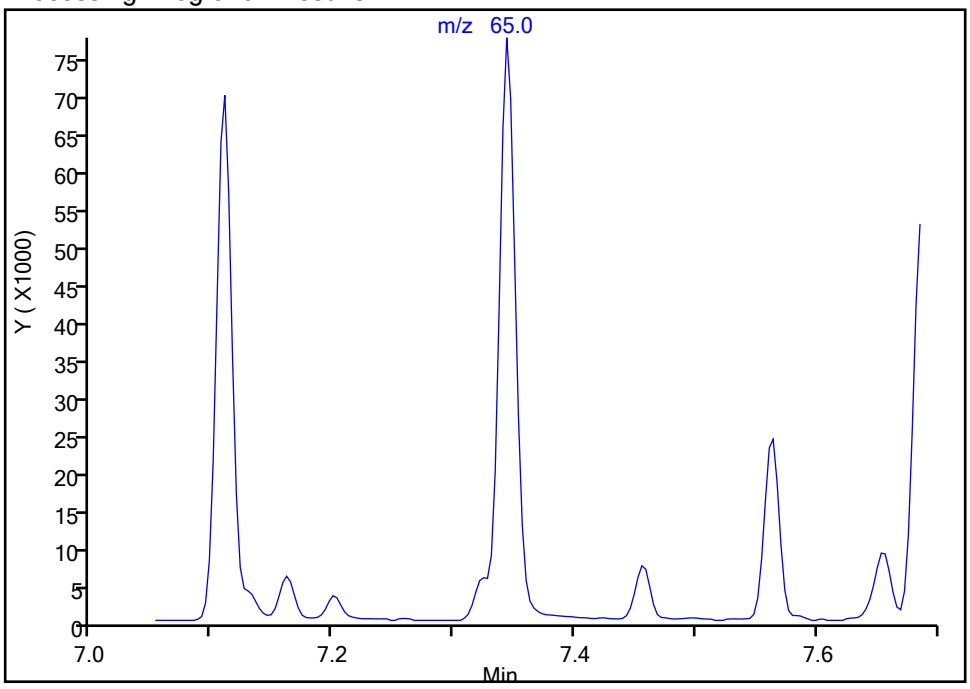
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83873.D
Injection Date: 04-Mar-2024 14:12:30 Instrument ID: CBNAMS18
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

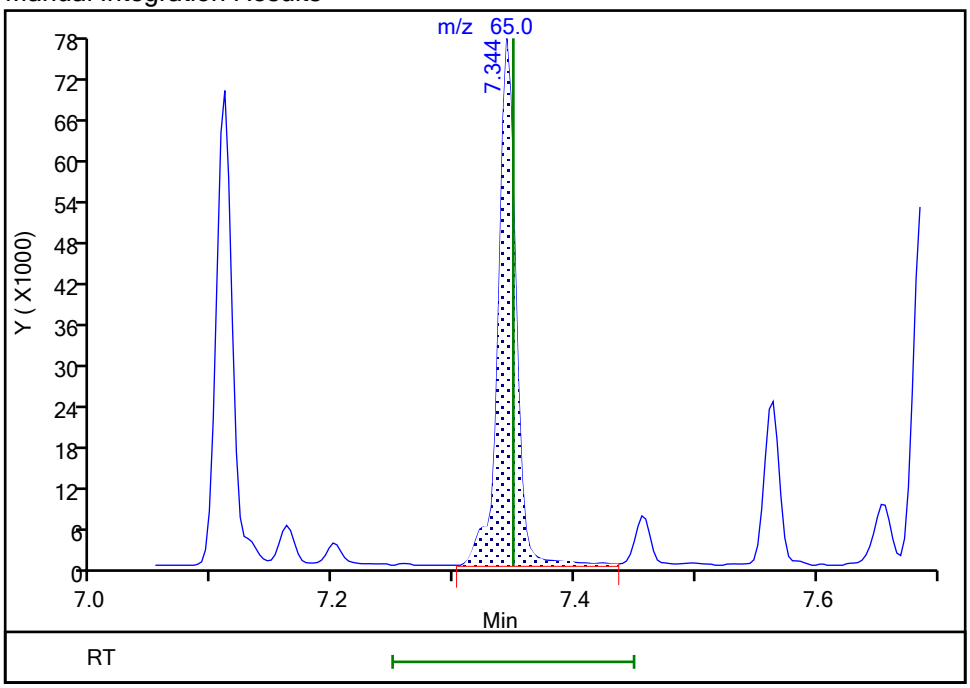
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 79500
Amount: 4.011979
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 14:45:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 04-Mar-2024 14:54:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-007
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:51 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 15:19:49

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.704	1.713	-0.009	92	24808	1.00	0.9860	
	2 N-Nitrosodimethylamine	74	1.918	1.924	-0.006	95	36544	1.00	0.9577	
	3 Pyridine	79	1.982	1.997	-0.015	97	122399	2.00	2.07	
$	4 2-Fluorophenol	112	3.051	3.058	-0.007	97	54461	1.00	0.9367	
	5 Benzaldehyde	77	3.830	3.837	-0.007	96	44409	1.00	1.00	
	8 Aniline	93	3.939	3.949	-0.010	98	78497	1.00	0.9398	
$	6 Phenol-d5	99	3.955	3.962	-0.007	99	66245	1.00	0.9592	
	7 Phenol	94	3.968	3.975	-0.007	96	74893	1.00	0.9436	
	9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	62089	1.00	1.01	
	10 Benzonitrile	103	4.009	4.019	-0.010	97	110053	NC	NC	
	11 2-Chlorophenol	128	4.064	4.070	-0.006	97	60280	1.00	0.9335	
	12 n-Decane	43	4.086	4.090	-0.004	88	50215	1.00	0.9607	
	13 1,3-Dichlorobenzene	146	4.188	4.192	-0.004	96	74722	1.00	1.02	
*	14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	364169	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	95	74773	1.00	1.00	
	17 Benzyl alcohol	108	4.396	4.406	-0.010	96	36677	1.00	0.8914	
	18 1,2-Dichlorobenzene	146	4.402	4.406	-0.004	95	67817	1.00	0.9532	
	21 2,2'-oxybis[1-chloropropane]	45	4.511	4.515	-0.004	93	64308	1.00	0.9839	a
	20 2-Methylphenol	108	4.527	4.537	-0.010	91	52594	1.00	0.9229	
	22 N-Methylaniline	106	4.626	4.633	-0.007	97	89196	1.00	0.9855	a
	23 Acetophenone	105	4.636	4.646	-0.010	93	82324	1.00	0.9261	
	24 N-Nitrosodi-n-propylamine	70	4.639	4.652	-0.013	82	40193	1.00	1.00	
	26 4-Methylphenol	108	4.680	4.687	-0.007	97	56662	1.00	0.9290	
	25 3 & 4 Methylphenol	108	4.680	4.687	-0.007	62	56662	1.00	0.9286	
	27 Hexachloroethane	117	4.725	4.729	-0.004	92	25314	1.00	0.99	
$	28 Nitrobenzene-d5	82	4.776	4.783	-0.007	85	57066	1.00	0.9760	
	29 Nitrobenzene	123	4.795	4.803	-0.008	95	31418	1.00	0.9872	
	30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	94	94274	1.00	0.9527	
	31 Isophorone	82	5.035	5.049	-0.014	99	102118	1.00	0.9481	
	32 2-Nitrophenol	139	5.102	5.106	-0.004	95	31950	1.00	0.9173	
	33 2,4-Dimethylphenol	122	5.176	5.183	-0.007	92	49514	1.00	0.9290	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	71524	1.00	0.9543	
35 Benzoic acid	122	5.259	5.314	-0.055	91	26191	1.00	0.7603	
36 2,4-Dichlorophenol	162	5.361	5.365	-0.004	96	50413	1.00	0.9385	
37 1,2,4-Trichlorobenzene	180	5.409	5.413	-0.004	93	61164	1.00	1.01	
* 38 Naphthalene-d8	136	5.463	5.464	-0.001	99	1443569	8.00	8.00	
39 Naphthalene	128	5.482	5.487	-0.005	99	202151	1.00	1.02	
40 4-Chloroaniline	127	5.549	5.557	-0.008	98	74268	1.00	1.04	
41 2,6-Dichlorophenol	162	5.556	5.564	-0.008	97	51585	1.00	0.9567	
42 Hexachlorobutadiene	225	5.604	5.605	-0.001	96	33715	1.00	1.01	
44 Caprolactam	113	5.888	5.931	-0.043	94	11851	1.00	0.9346	
45 4-Chloro-3-methylphenol	107	6.054	6.059	-0.005	95	45832	1.00	0.9042	
46 2-Methylnaphthalene	142	6.144	6.149	-0.005	84	127571	1.00	1.00	
47 1-Methylnaphthalene	142	6.236	6.241	-0.005	92	119543	1.00	1.00	
48 Hexachlorocyclopentadiene	237	6.294	6.299	-0.005	97	36886	1.00	0.8916	
49 1,2,4,5-Tetrachlorobenzene	216	6.303	6.305	-0.002	98	59521	1.00	0.9634	
50 2-tertbutyl-4-methylphenol	149	6.361	6.369	-0.008	91	67479	1.00	0.9290	
51 2,4,6-Trichlorophenol	196	6.428	6.433	-0.005	90	35905	1.00	0.9377	
52 2,4,5-Trichlorophenol	196	6.486	6.488	-0.002	98	39014	1.00	0.9258	
$ 53 2-Fluorobiphenyl	172	6.498	6.501	-0.003	98	140869	1.00	0.9692	
54 1,1'-Biphenyl	154	6.591	6.594	-0.003	95	160507	1.00	0.9854	
55 2-Chloronaphthalene	162	6.604	6.610	-0.006	99	125246	1.00	0.99	
56 Phenyl ether	170	6.693	6.696	-0.003	84	82319	1.00	0.9587	
57 2-Nitroaniline	65	6.716	6.725	-0.009	95	24833	1.00	0.8697	
58 1,3-Dimethylnaphthalene	156	6.815	6.818	-0.003	91	88027	1.00	0.9104	
59 Dimethyl phthalate	163	6.891	6.904	-0.013	99	127371	1.00	0.9581	
60 Coumarin	146	6.904	6.914	-0.010	82	38235	1.00	0.9349	
61 2,6-Dinitrotoluene	165	6.943	6.952	-0.009	97	26390	1.00	0.9422	
62 Acenaphthylene	152	6.994	7.000	-0.006	98	192808	1.00	0.9793	
63 3-Nitroaniline	138	7.109	7.118	-0.009	96	26178	1.00	0.8496	
* 64 Acenaphthene-d10	164	7.131	7.134	-0.003	96	787507	8.00	8.00	
65 Acenaphthene	154	7.160	7.166	-0.006	96	116951	1.00	1.00	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.163	7.166	-0.003	97	98936	1.00	0.9149	
67 2,4-Dinitrophenol	184	7.202	7.211	-0.009	96	25186	2.00	1.41	
69 2,4-Dinitrotoluene	165	7.323	7.330	-0.007	92	31451	1.00	0.8982	
70 Dibenzofuran	168	7.323	7.330	-0.007	99	173983	1.00	0.9886	
68 4-Nitrophenol	65	7.345	7.349	-0.004	92	33226	2.00	1.65	a
71 2,3,4,6-Tetrachlorophenol	232	7.457	7.461	-0.004	95	30632	1.00	0.9136	
72 Diethyl phthalate	149	7.563	7.573	-0.010	98	123340	1.00	0.9557	
73 Fluorene	166	7.649	7.653	-0.004	97	139690	1.00	1.00	
74 4-Chlorophenyl phenyl ether	204	7.656	7.660	-0.004	91	67817	1.00	1.00	
75 4-Nitroaniline	138	7.684	7.701	-0.017	86	21980	1.00	0.7944	
76 4,6-Dinitro-2-methylphenol	198	7.704	7.714	-0.010	90	35349	2.00	1.53	
77 N-Nitrosodiphenylamine	169	7.771	7.778	-0.007	98	92418	1.00	0.9407	
78 1,2-Diphenylhydrazine	77	7.803	7.810	-0.007	98	116382	1.00	0.9112	
131 Azobenzene	77	7.803	7.810	-0.007	0	116240	1.00	0.9100	
$ 79 2,4,6-Tribromophenol	330	7.879	7.887	-0.008	91	22328	1.00	0.9010	
80 4-Bromophenyl phenyl ether	248	8.116	8.121	-0.005	94	38781	1.00	0.9524	
82 Hexachlorobenzene	284	8.164	8.169	-0.005	95	48646	1.00	0.9789	
83 Atrazine	200	8.292	8.303	-0.011	95	28711	1.00	0.9596	
85 Pentachloronitrobenzene	237	8.368	8.374	-0.006	57	13794	1.00	0.8850	
84 Pentachlorophenol	266	8.368	8.374	-0.006	92	45601	2.00	1.61	
87 n-Octadecane	57	8.458	8.464	-0.006	88	70807	1.00	0.8887	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1393221	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	98	187820	1.00	0.9838	
90 Anthracene	178	8.602	8.608	-0.006	98	181541	1.00	0.9434	
91 Carbazole	167	8.768	8.774	-0.006	95	155683	1.00	0.9380	
92 Di-n-butyl phthalate	149	9.113	9.120	-0.007	99	167749	1.00	0.8638	
93 Fluoranthene	202	9.676	9.680	-0.004	97	176222	1.00	0.9705	
94 Benzidine	184	9.820	9.828	-0.008	99	70810	1.00	0.8489	
95 Pyrene	202	9.887	9.892	-0.005	97	185319	1.00	1.04	
96 Bisphenol-A	213	9.974	9.979	-0.005	99	54429	1.00	0.8454	
$ 97 Terphenyl-d14	244	10.051	10.056	-0.005	97	140556	1.00	1.00	
98 Butyl benzyl phthalate	149	10.553	10.560	-0.007	96	56447	1.00	0.8444	
100 Carbamazepine	193	10.652	10.666	-0.014	92	28955	1.00	1.20	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	97	46492	1.00	0.8663	
102 Benzo[a]anthracene	228	11.114	11.122	-0.008	99	148328	1.00	0.9840	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	924036	8.00	8.00	
104 Chrysene	228	11.152	11.161	-0.009	98	139538	1.00	0.99	
105 Bis(2-ethylhexyl) phthalate	149	11.207	11.212	-0.005	86	76009	1.00	0.8557	
106 Di-n-octyl phthalate	149	12.018	12.028	-0.010	96	113831	1.00	0.7838	
107 Benzo[b]fluoranthene	252	12.435	12.446	-0.011	98	134137	1.00	0.9762	
108 Benzo[k]fluoranthene	252	12.473	12.485	-0.012	99	139133	1.00	0.9898	
109 Benzo[a]pyrene	252	12.871	12.881	-0.010	96	112559	1.00	0.9368	
* 110 Perylene-d12	264	12.951	12.958	-0.007	99	893462	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.442	14.457	-0.015	99	118610	1.00	0.9509	
112 Dibenz(a,h)anthracene	278	14.487	14.505	-0.018	97	129524	1.00	0.9461	
113 Benzo[g,h,i]perylene	276	14.838	14.860	-0.022	98	132491	1.00	0.9547	
S 115 Total Cresols	1				0			1.85	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL4_LVI_00007 Amount Added: 1.00 Units: mL

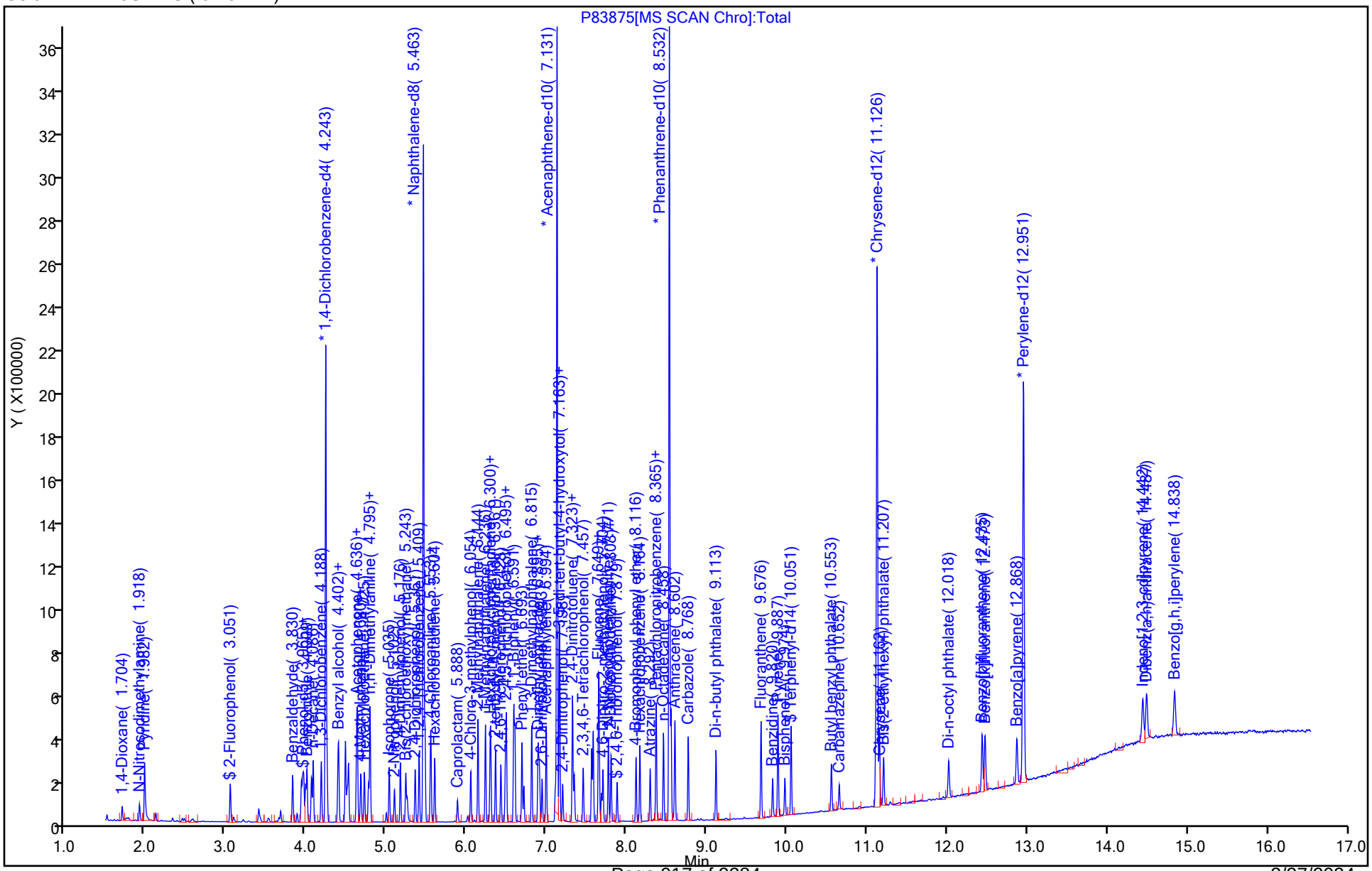
Report Date: 05-Mar-2024 06:44:53 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D

Injection Date:	04-Mar-2024 14:54:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	7
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
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Manual Integration/User Assign Peak Report

Eurofins Edison

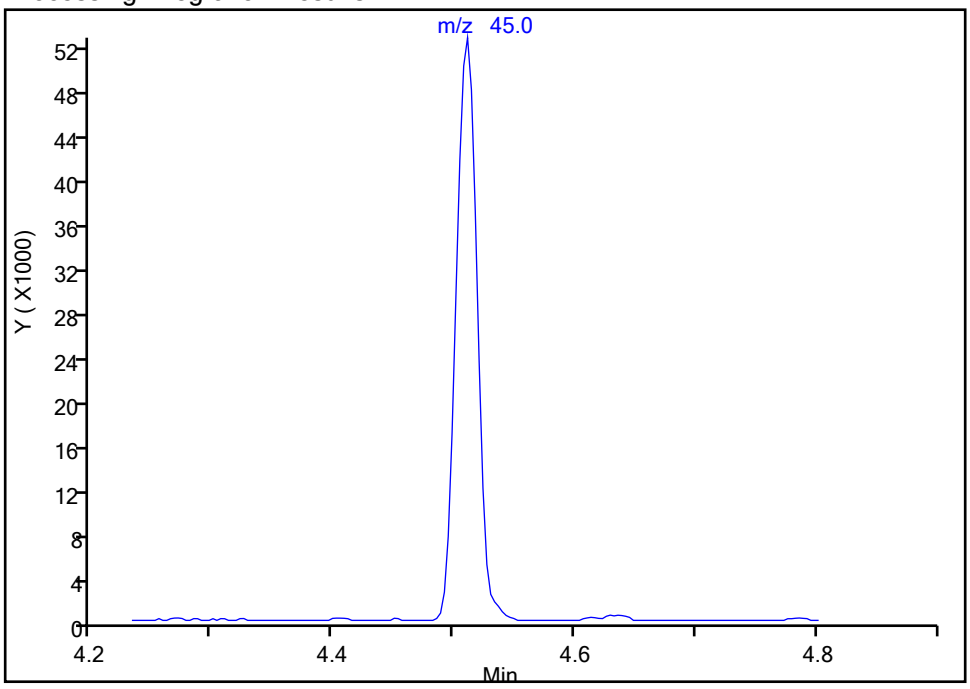
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Injection Date: 04-Mar-2024 14:54:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

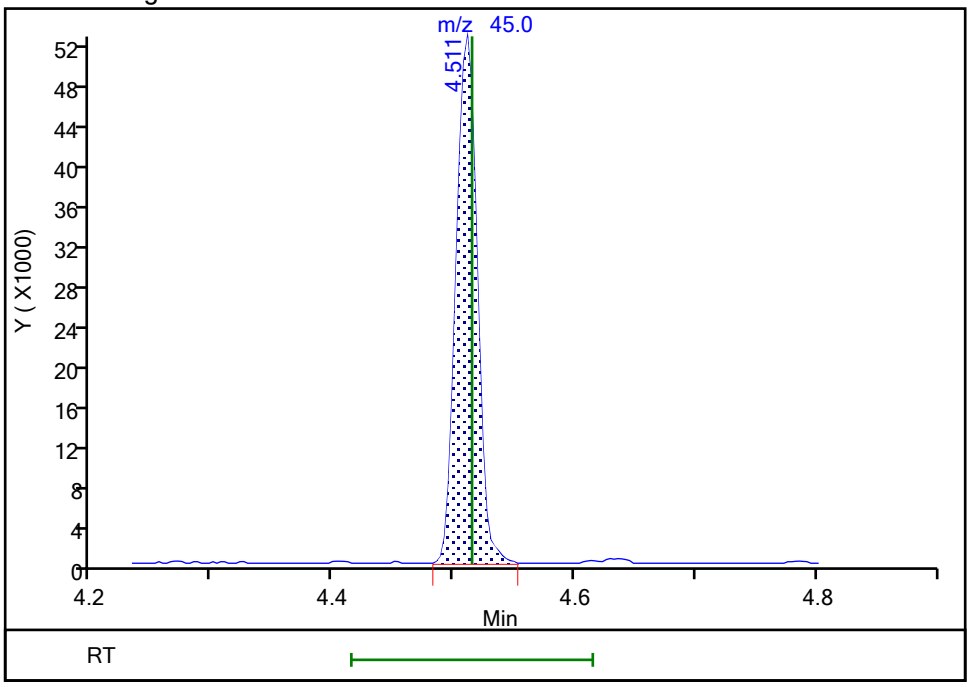
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 64308
Amount: 0.983869
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:18:57 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

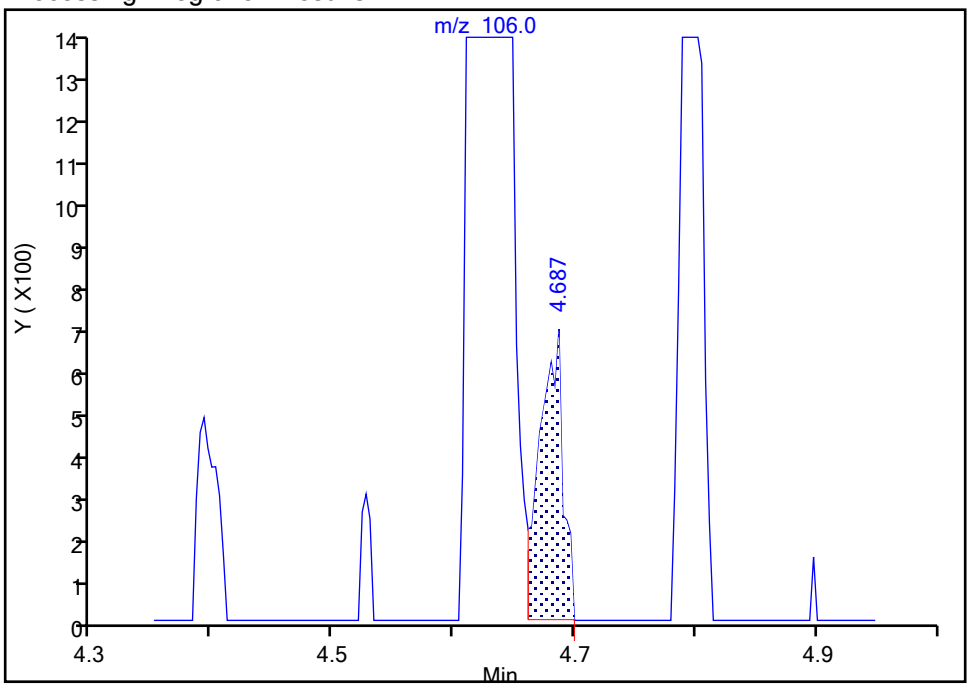
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D
Injection Date: 04-Mar-2024 14:54:30 Instrument ID: CBNAMS18
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Methylaniline, CAS: 100-61-8

Signal: 1

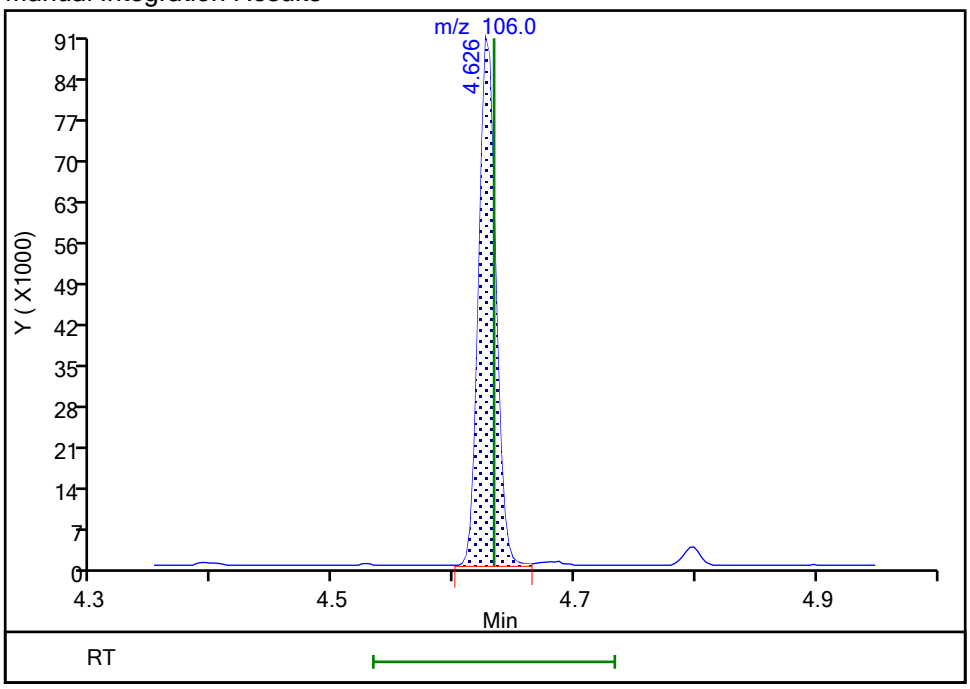
Processing Integration Results

RT: 4.69
Area: 927
Amount: 0.014072
Amount Units: ug/ml



Manual Integration Results

RT: 4.63
Area: 89196
Amount: 0.985455
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:19:38 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Edison

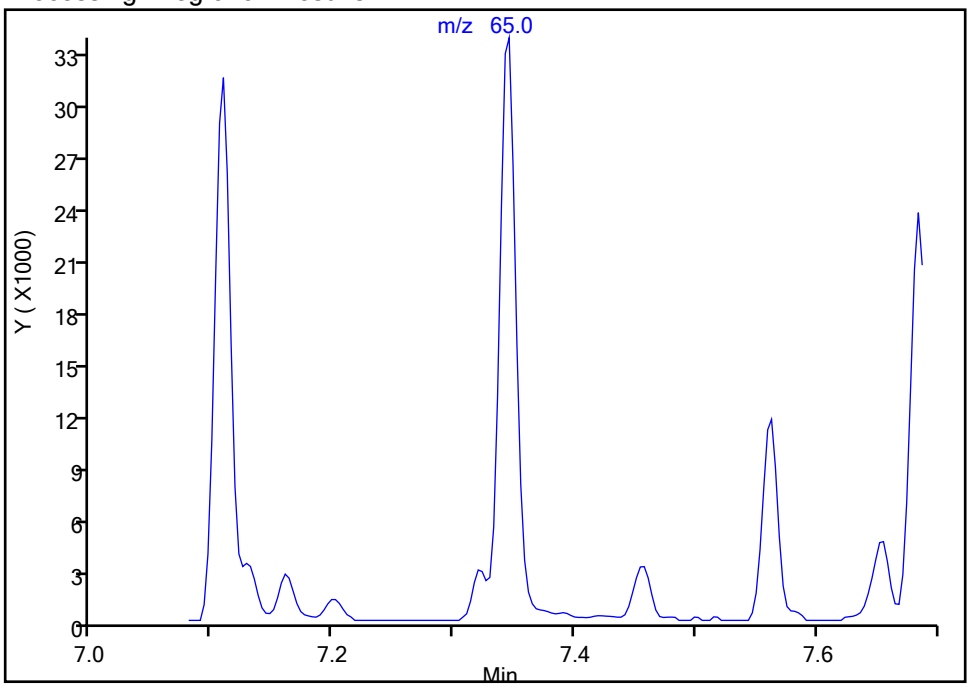
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83875.D				
Injection Date:	04-Mar-2024 14:54:30	Instrument ID:	CBNAMS18		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

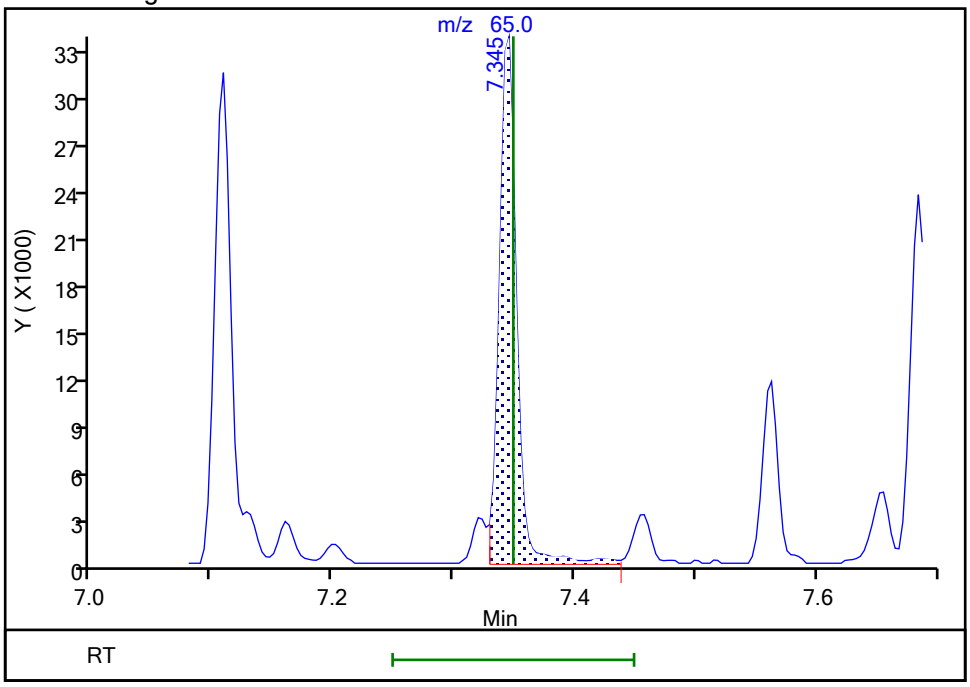
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.35
Area: 33226
Amount: 1.646029
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 15:19:06 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83877.D
Lims ID: STD04
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 04-Mar-2024 15:37:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-008
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:55 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 15:59:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
5 Benzaldehyde	77	3.830	3.837	-0.007	95	17020	0.4000	0.3834	
* 14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	95	362908	8.00	8.00	
* 38 Naphthalene-d8	136	5.463	5.464	-0.001	99	1440560	8.00	8.00	
44 Caprolactam	113	5.881	5.931	-0.050	93	4146	0.4000	0.3923	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	792715	8.00	8.00	
83 Atrazine	200	8.290	8.303	-0.013	94	10113	0.4000	0.3310	
* 88 Phenanthrene-d10	188	8.530	8.537	-0.007	98	1422753	8.00	8.00	
* 103 Chrysene-d12	240	11.124	11.132	-0.008	99	958559	8.00	8.00	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	910730	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SV_BNAL3_LVI_00007 Amount Added: 1.00 Units: mL

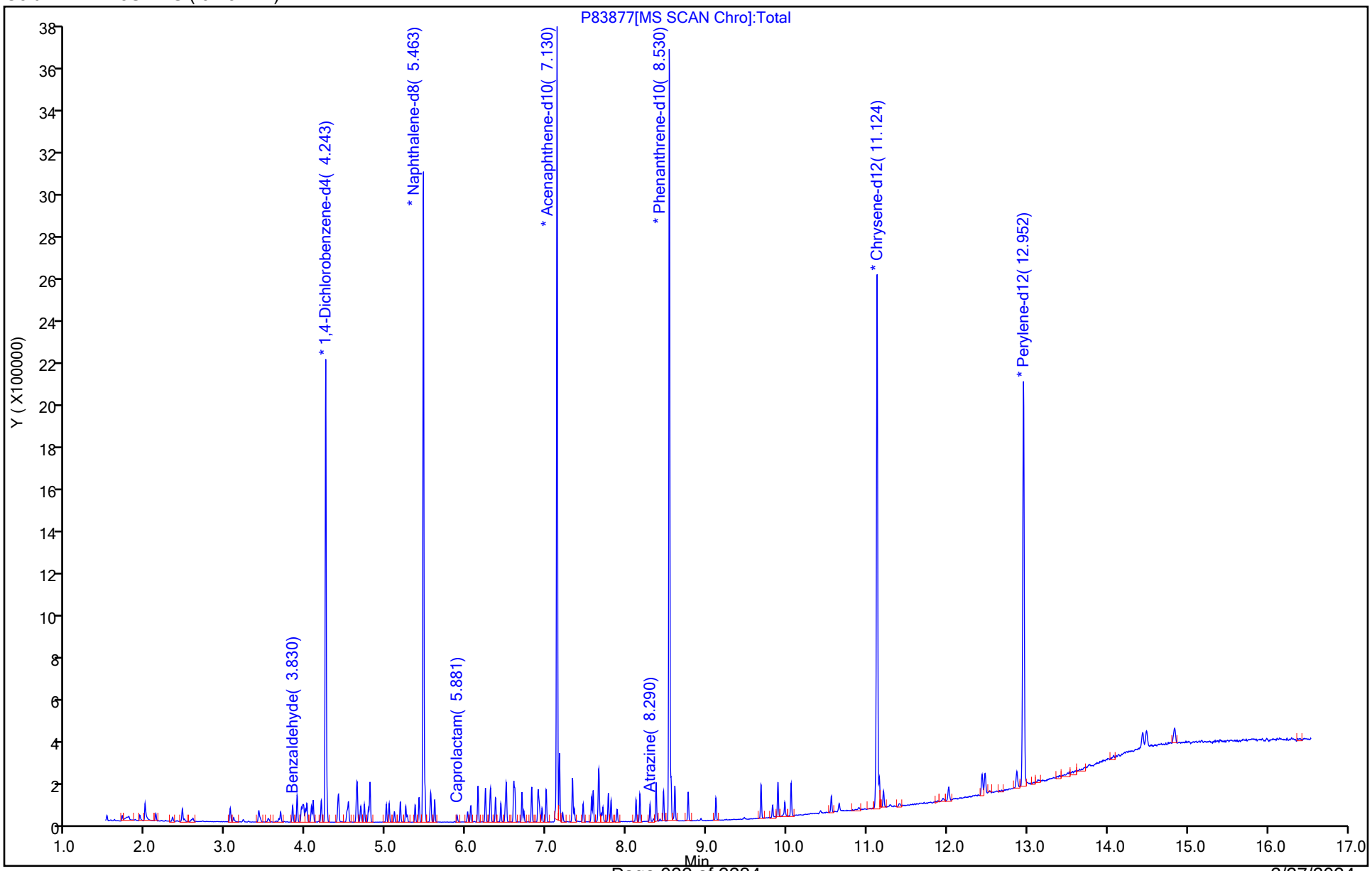
Report Date: 05-Mar-2024 06:44:56 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83877.D

Injection Date:	04-Mar-2024 15:37:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD04			Worklist Smp#:	8
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 04-Mar-2024 16:19:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-009
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:44:57 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 16:40:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	1.994	1.997	-0.003	97	21937	0.4000	0.3614	
$ 4 2-Fluorophenol	112	3.051	3.058	-0.007	97	9895	0.2000	0.1655	
5 Benzaldehyde	77	3.830	3.837	-0.007	96	8555	0.2000	0.1868	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	97	12113	0.2000	0.1706	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	97	11791	0.2000	0.1868	
* 14 1,4-Dichlorobenzene-d4	152	4.242	4.246	-0.004	95	374395	8.00	8.00	
22 N-Methylaniline	106	4.626	4.633	-0.007	99	15733	0.2000	0.1691	
24 N-Nitrosodi-n-propylamine	70	4.635	4.652	-0.017	86	6871	0.2000	0.1668	
27 Hexachloroethane	117	4.725	4.729	-0.004	91	4733	0.2000	0.1801	
$ 28 Nitrobenzene-d5	82	4.776	4.783	-0.007	87	10026	0.2000	0.1673	
29 Nitrobenzene	123	4.795	4.803	-0.008	91	5717	0.2000	0.1747	
30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	91	19079	0.2000	0.1875	
31 Isophorone	82	5.034	5.049	-0.015	98	18480	0.2000	0.1674	
37 1,2,4-Trichlorobenzene	180	5.408	5.413	-0.005	93	11864	0.2000	0.1903	
* 38 Naphthalene-d8	136	5.462	5.464	-0.002	99	1479519	8.00	8.00	
39 Naphthalene	128	5.482	5.487	-0.005	97	39304	0.2000	0.1943	
40 4-Chloroaniline	127	5.549	5.557	-0.008	98	13953	0.2000	0.1900	
42 Hexachlorobutadiene	225	5.603	5.605	-0.002	94	6340	0.2000	0.1844	
44 Caprolactam	113	5.881	5.931	-0.050	90	1528	0.2000	0.2047	
46 2-Methylnaphthalene	142	6.143	6.149	-0.006	83	24166	0.2000	0.1855	
47 1-Methylnaphthalene	142	6.235	6.241	-0.006	93	24037	0.2000	0.1968	
50 2-tertbutyl-4-methylphenol	149	6.363	6.369	-0.006	92	11860	0.2000	0.1593	
51 2,4,6-Trichlorophenol	196	6.427	6.433	-0.006	91	6688	0.2000	0.1724	
$ 53 2-Fluorobiphenyl	172	6.497	6.501	-0.004	98	27913	0.2000	0.1896	
61 2,6-Dinitrotoluene	165	6.941	6.952	-0.011	95	4532	0.2000	0.1597	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	797682	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.321	7.330	-0.009	84	4810	0.2000	0.1356	a
$ 79 2,4,6-Tribromophenol	330	7.881	7.887	-0.006	89	4216	0.2000	0.1680	
82 Hexachlorobenzene	284	8.165	8.169	-0.004	95	9823	0.2000	0.1919	
83 Atrazine	200	8.293	8.303	-0.010	94	5074	0.2000	0.1646	
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1435034	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.677	9.680	-0.003	97	34625	0.2000	0.1851	
95 Pyrene	202	9.888	9.892	-0.004	96	33392	0.2000	0.1880	
$ 97 Terphenyl-d14	244	10.051	10.056	-0.005	97	26088	0.2000	0.1859	
101 3,3'-Dichlorobenzidine	252	11.107	11.115	-0.008	94	7982	0.2000	0.1491	a
102 Benzo[a]anthracene	228	11.117	11.122	-0.005	99	27987	0.2000	0.1862	
* 103 Chrysene-d12	240	11.126	11.132	-0.006	99	921501	8.00	8.00	
104 Chrysene	228	11.152	11.161	-0.009	99	27497	0.2000	0.1960	
105 Bis(2-ethylhexyl) phthalate	149	11.206	11.212	-0.006	86	12592	0.2000	0.1422	
107 Benzo[b]fluoranthene	252	12.437	12.446	-0.009	98	25825	0.2000	0.1912	
108 Benzo[k]fluoranthene	252	12.472	12.485	-0.013	99	24073	0.2000	0.1743	
109 Benzo[a]pyrene	252	12.870	12.881	-0.011	96	21139	0.2000	0.1790	
* 110 Perylene-d12	264	12.953	12.958	-0.005	99	878017	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.440	14.457	-0.017	99	21982	0.2000	0.1793	
112 Dibenz(a,h)anthracene	278	14.488	14.505	-0.017	97	24868	0.2000	0.1848	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00005 Amount Added: 1.00 Units: mL

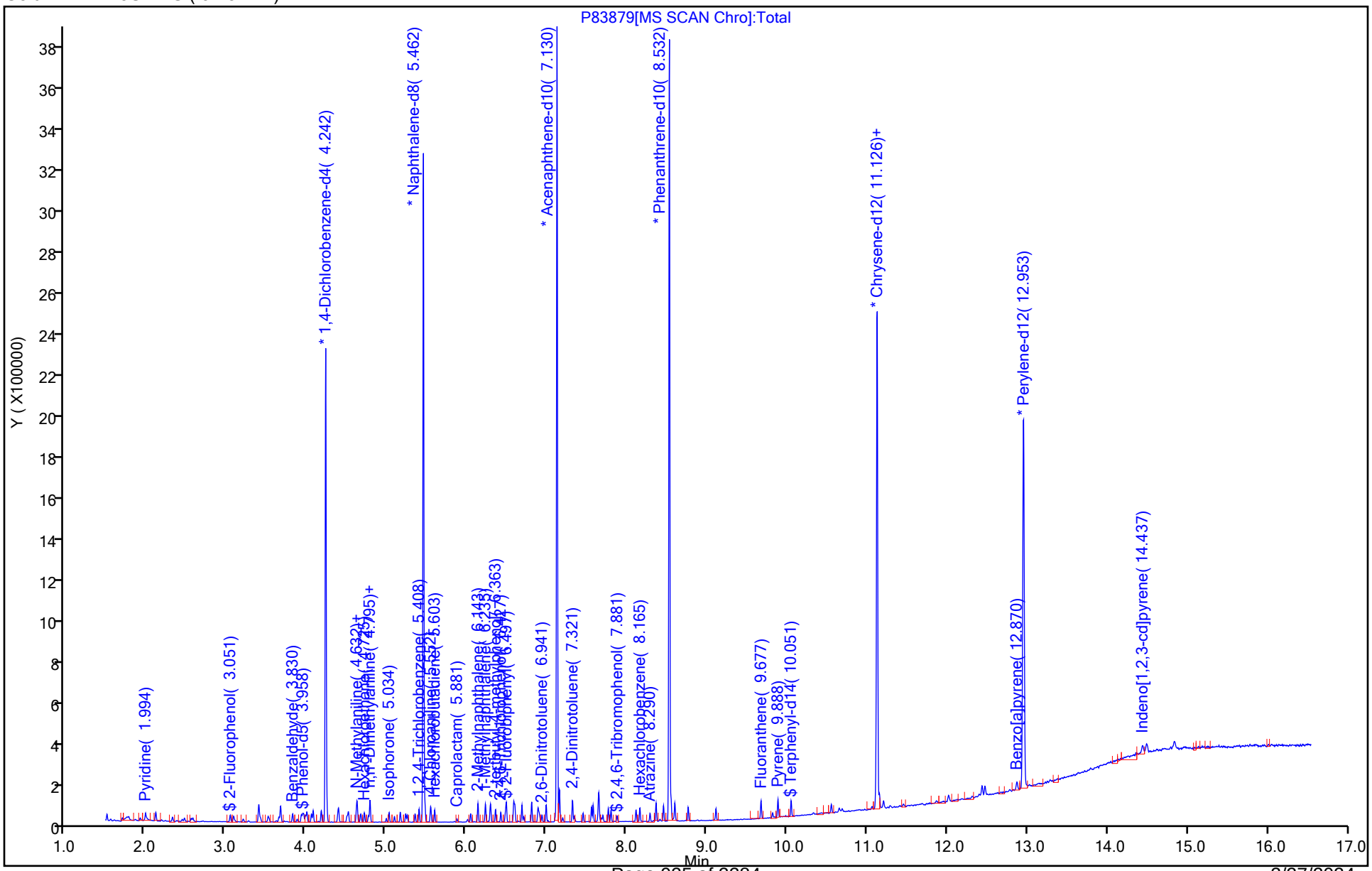
Report Date: 05-Mar-2024 06:44:59 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D

Injection Date:	04-Mar-2024 16:19:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD02			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
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Manual Integration/User Assign Peak Report

Eurofins Edison

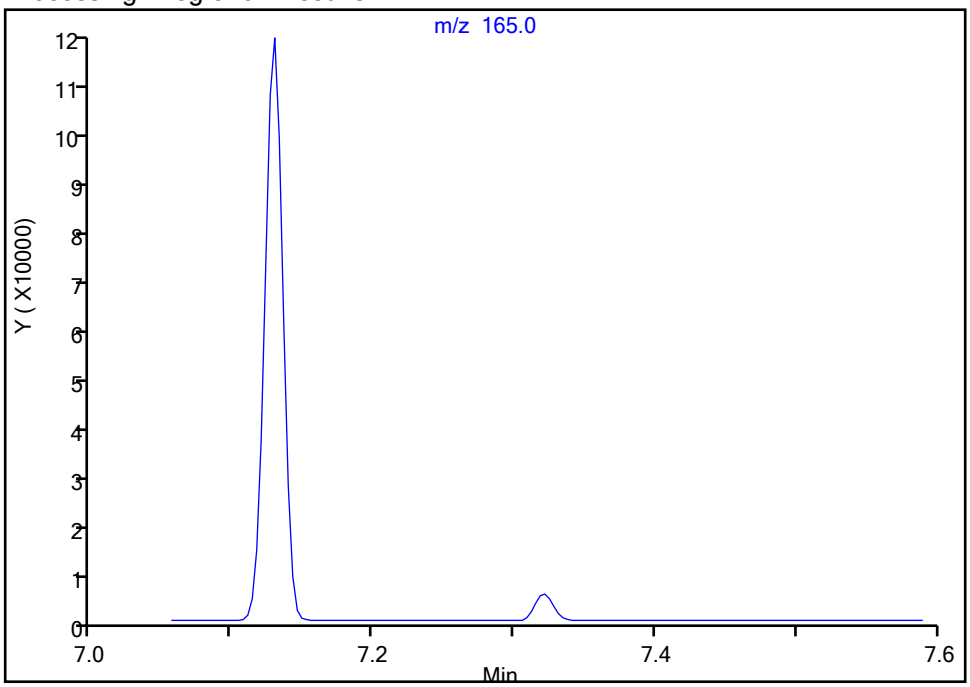
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D
Injection Date: 04-Mar-2024 16:19:30 Instrument ID: CBNAMS18
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

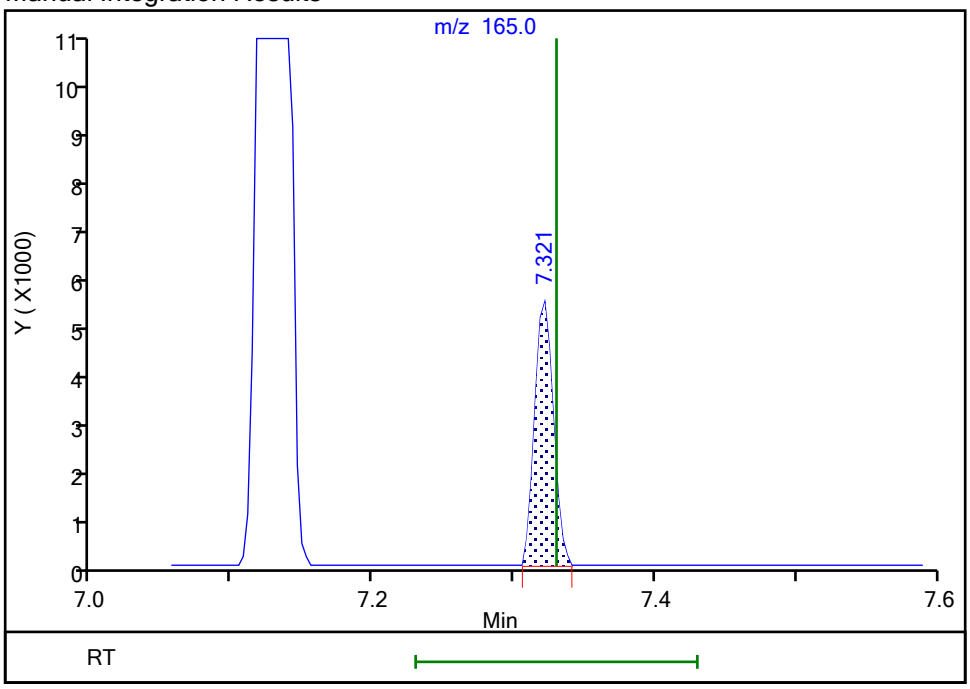
Not Detected
Expected RT: 7.33

Processing Integration Results



Manual Integration Results

RT: 7.32
Area: 4810
Amount: 0.135620
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:40:12 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

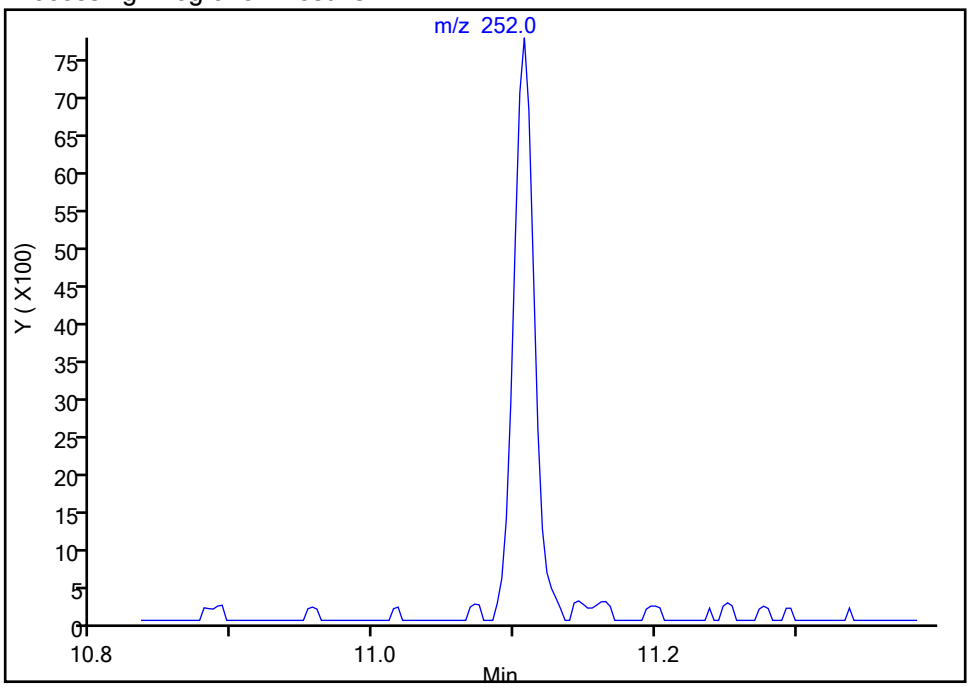
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83879.D				
Injection Date:	04-Mar-2024 16:19:30	Instrument ID:	CBNAMS18		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

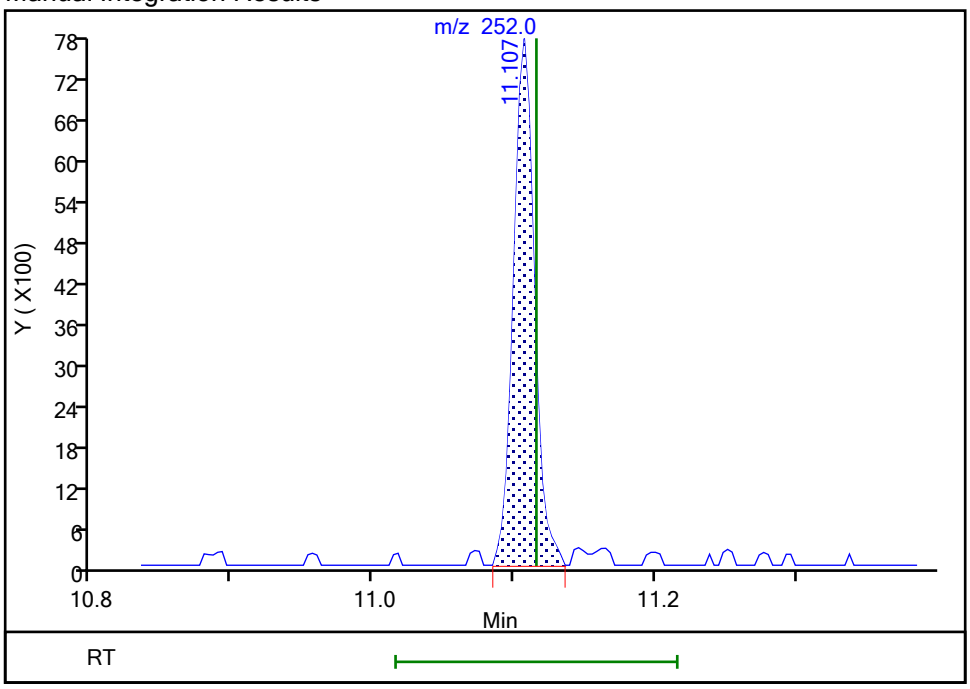
Not Detected
Expected RT: 11.12

Processing Integration Results



Manual Integration Results

RT: 11.11
Area: 7982
Amount: 0.149140
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 16:40:16 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 04-Mar-2024 17:02:30 ALS Bottle#: 11 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-010
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 06:45:00 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 04-Mar-2024 17:47:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
3 Pyridine	79	2.010	1.997	0.013	94	9383	0.2000	0.1769	
$ 6 Phenol-d5	99	3.955	3.962	-0.007	97	5002	0.1000	0.0806	
9 Bis(2-chloroethyl)ether	93	3.990	3.997	-0.007	98	5232	0.1000	0.0948	
* 14 1,4-Dichlorobenzene-d4	152	4.242	4.246	-0.004	94	327241	8.00	8.00	
22 N-Methylaniline	106	4.625	4.633	-0.008	95	6134	0.1000	0.0754	
24 N-Nitrosodi-n-propylamine	70	4.635	4.652	-0.017	85	3098	0.1000	0.0861	
27 Hexachloroethane	117	4.724	4.729	-0.005	89	2123	0.1000	0.0924	
$ 28 Nitrobenzene-d5	82	4.776	4.783	-0.007	85	4436	0.1000	0.0844	
29 Nitrobenzene	123	4.795	4.803	-0.008	86	2383	0.1000	0.0833	
30 n,n'-Dimethylaniline	120	4.795	4.803	-0.008	87	8067	0.1000	0.0907	
37 1,2,4-Trichlorobenzene	180	5.408	5.413	-0.005	93	5379	0.1000	0.0984	
* 38 Naphthalene-d8	136	5.462	5.464	-0.002	99	1297280	8.00	8.00	
39 Naphthalene	128	5.481	5.487	-0.006	97	16594	0.1000	0.0935	
40 4-Chloroaniline	127	5.548	5.557	-0.009	96	5028	0.1000	0.0781	
42 Hexachlorobutadiene	225	5.603	5.605	-0.002	92	3068	0.1000	0.1018	
$ 53 2-Fluorobiphenyl	172	6.497	6.501	-0.004	98	12364	0.1000	0.0926	
* 64 Acenaphthene-d10	164	7.129	7.134	-0.005	95	723686	8.00	8.00	
82 Hexachlorobenzene	284	8.164	8.169	-0.005	93	4237	0.1000	0.0909	
* 88 Phenanthrene-d10	188	8.531	8.537	-0.006	98	1307083	8.00	8.00	
$ 97 Terphenyl-d14	244	10.049	10.056	-0.007	97	11722	0.1000	0.0884	
102 Benzo[a]anthracene	228	11.115	11.122	-0.007	98	13985	0.1000	0.0985	
* 103 Chrysene-d12	240	11.125	11.132	-0.007	99	870425	8.00	8.00	
107 Benzo[b]fluoranthene	252	12.435	12.446	-0.011	98	12603	0.1000	0.0960	
108 Benzo[k]fluoranthene	252	12.470	12.485	-0.015	95	13012	0.1000	0.0969	
109 Benzo[a]pyrene	252	12.868	12.881	-0.013	96	10453	0.1000	0.0911	
* 110 Perylene-d12	264	12.951	12.958	-0.007	99	853625	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.441	14.457	-0.016	98	10657	0.1000	0.0894	
112 Dibenz(a,h)anthracene	278	14.489	14.505	-0.016	98	11836	0.1000	0.0905	

QC Flag Legend

Processing Flags

Reagents:

SV_BNAL1_LVI_00005 Amount Added: 1.00 Units: mL

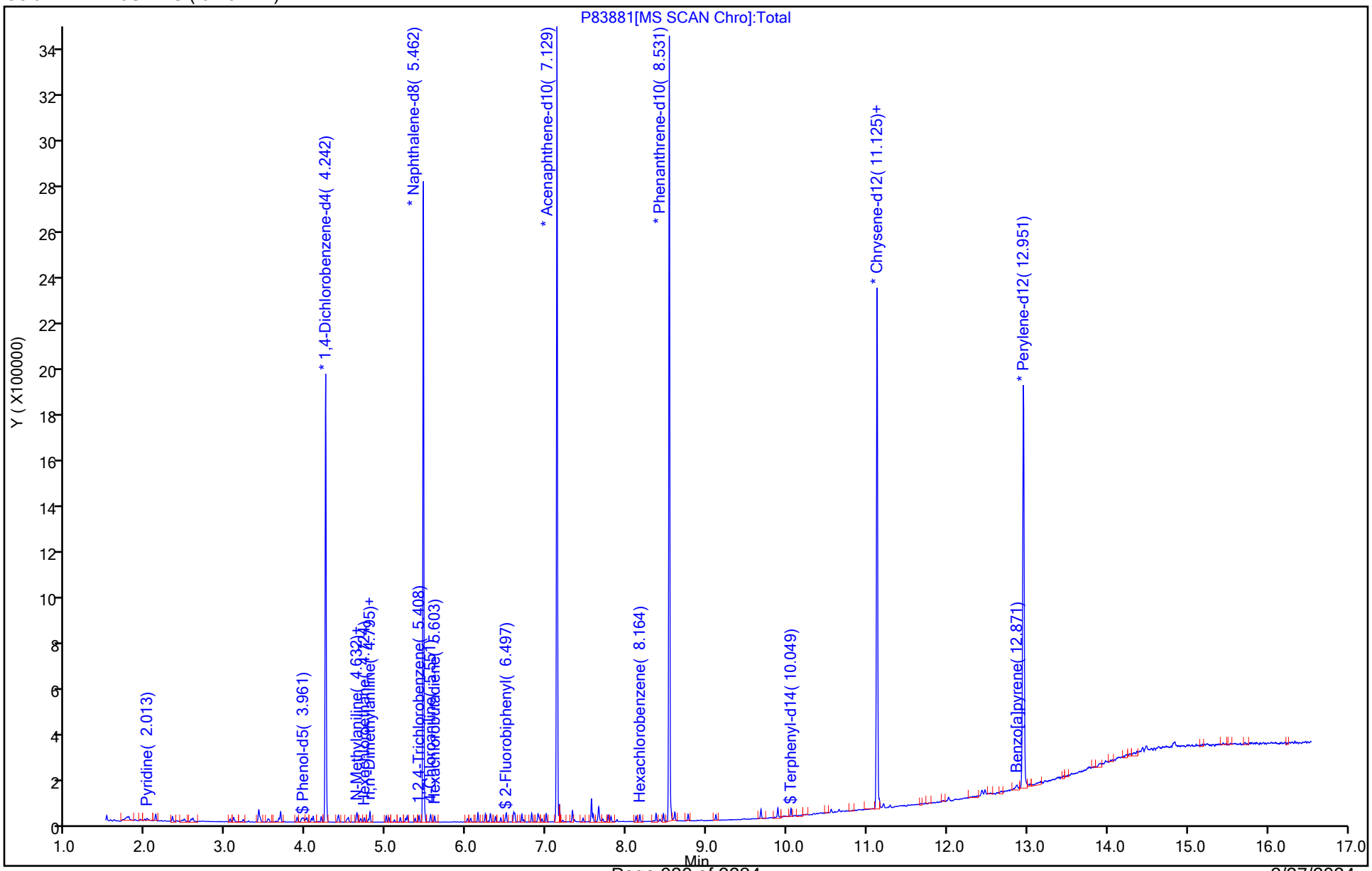
Report Date: 05-Mar-2024 06:45:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Injection Date:	04-Mar-2024 17:02:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	10
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

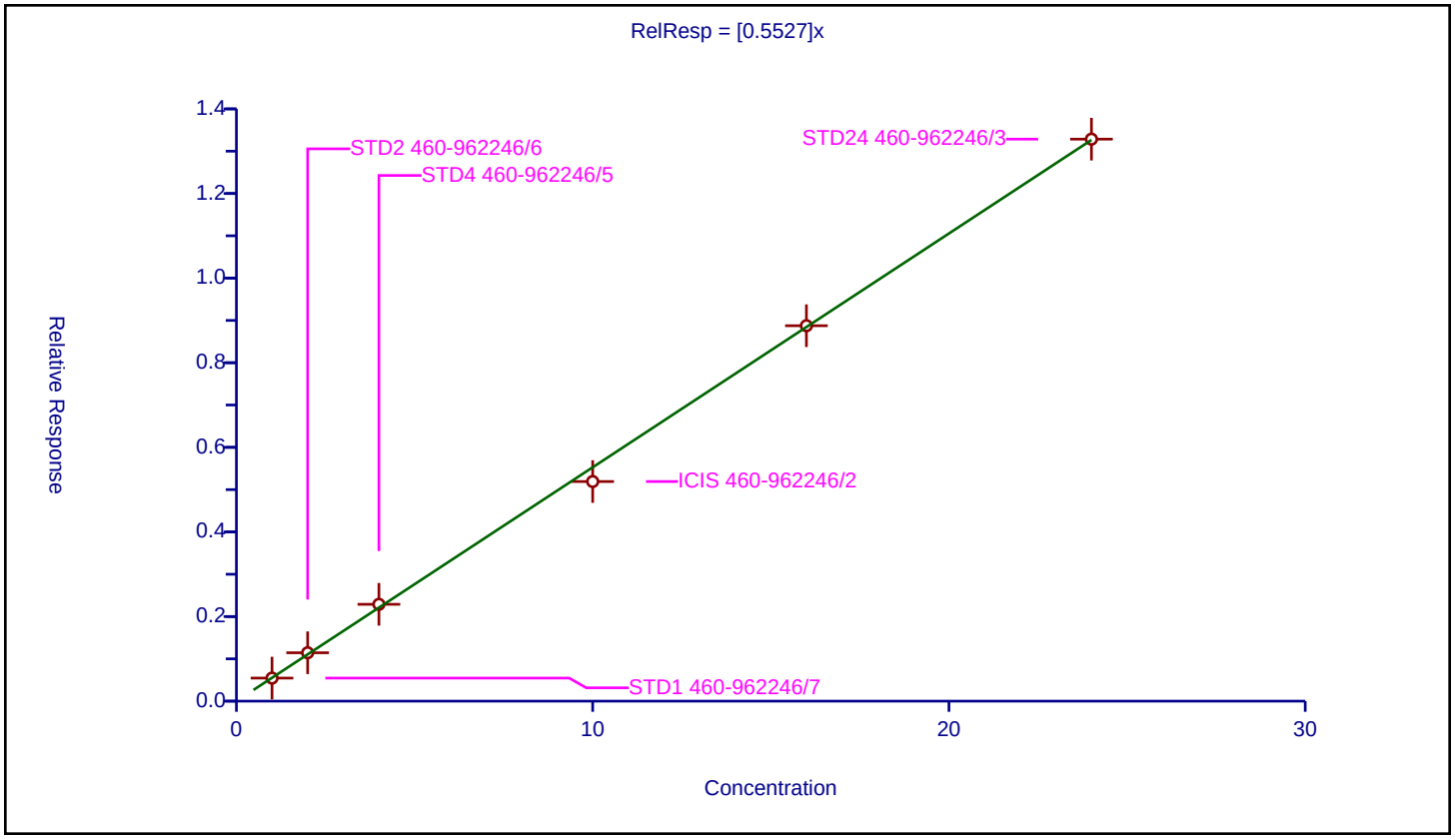
Curve Coefficients

Intercept:	0
Slope:	0.5527

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.544978	8.0	364169.0	0.544978	Y
2	STD2 460-962246/6	2.0	1.143821	8.0	354643.0	0.57191	Y
3	STD4 460-962246/5	4.0	2.288602	8.0	360538.0	0.572151	Y
4	ICIS 460-962246/2	10.0	5.191573	8.0	379005.0	0.519157	Y
5	STD16 460-962246/4	16.0	8.874437	8.0	371686.0	0.554652	Y
6	STD24 460-962246/3	24.0	13.285032	8.0	341358.0	0.553543	Y



Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

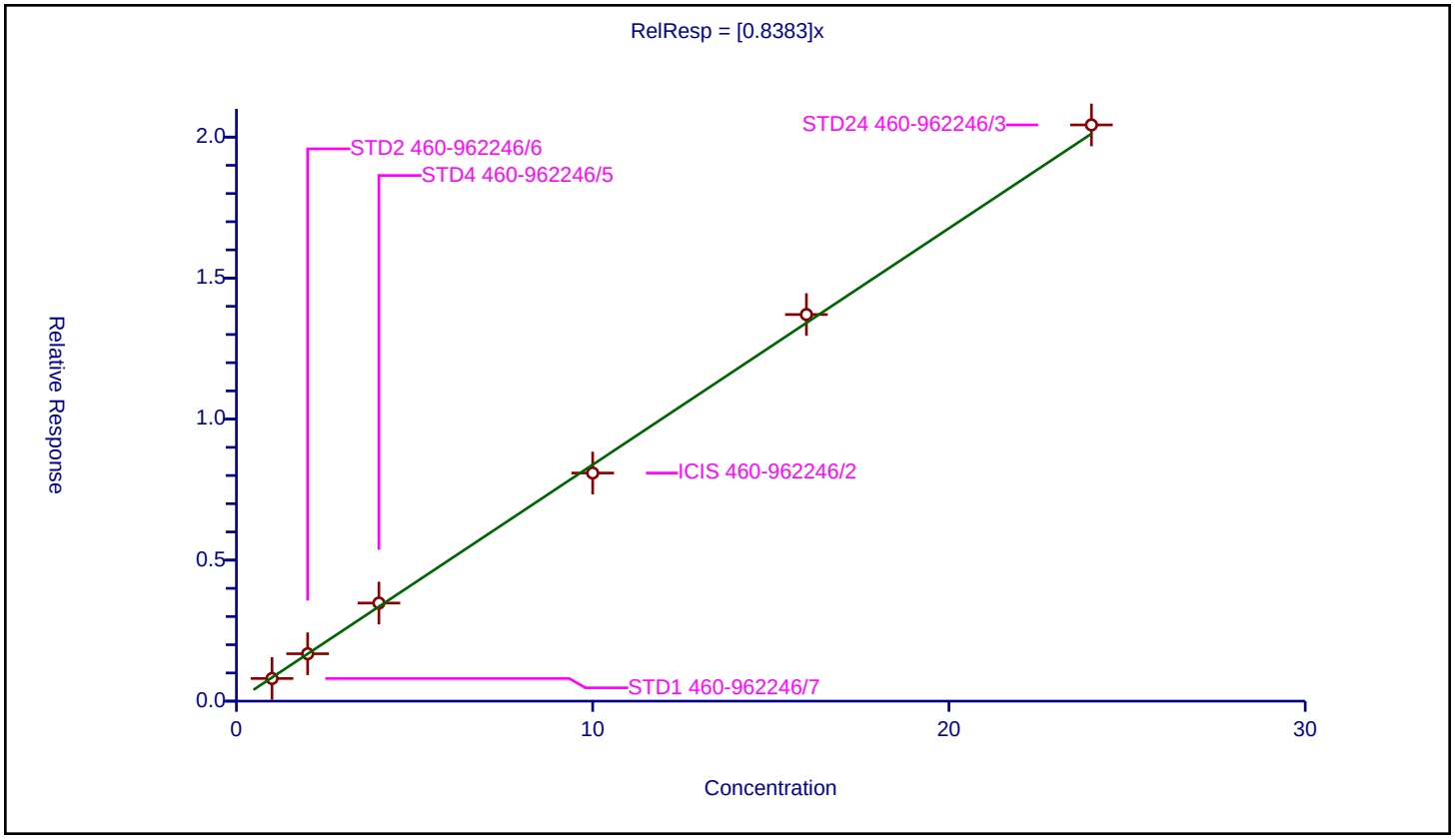
Curve Coefficients

Intercept:	0
Slope:	0.8383

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.802792	8.0	364169.0	0.802792	Y
2	STD2 460-962246/6	2.0	1.680631	8.0	354643.0	0.840315	Y
3	STD4 460-962246/5	4.0	3.478357	8.0	360538.0	0.869589	Y
4	ICIS 460-962246/2	10.0	8.088125	8.0	379005.0	0.808813	Y
5	STD16 460-962246/4	16.0	13.708388	8.0	371686.0	0.856774	Y
6	STD24 460-962246/3	24.0	20.431828	8.0	341358.0	0.851326	Y



Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

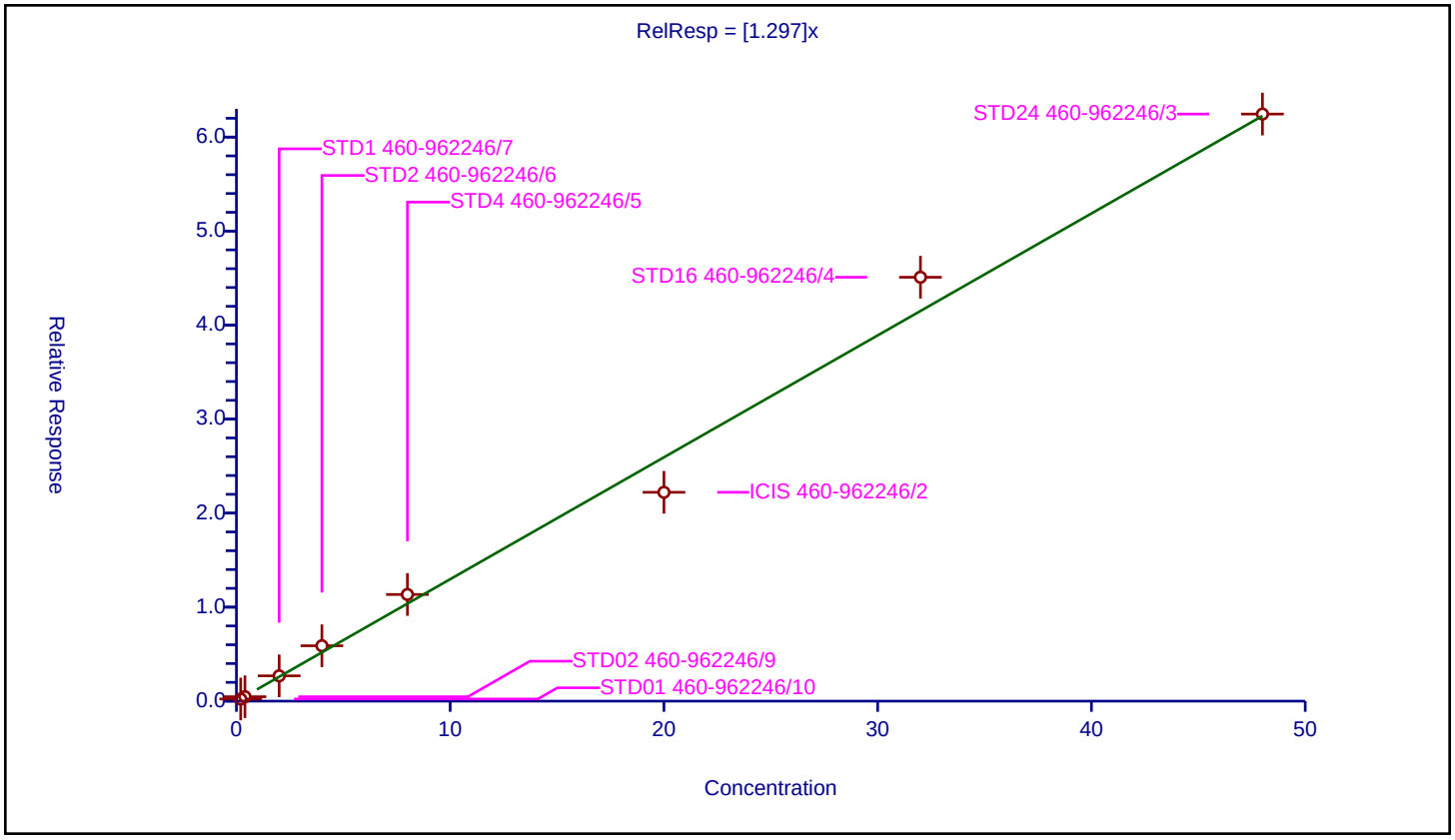
Curve Coefficients

Intercept:	0
Slope:	1.297

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.2	0.229384	8.0	327241.0	1.146922	Y
2	STD02 460-962246/9	0.4	0.468746	8.0	374395.0	1.171864	Y
3	STD1 460-962246/7	2.0	2.68884	8.0	364169.0	1.34442	Y
4	STD2 460-962246/6	4.0	5.891153	8.0	354643.0	1.472788	Y
5	STD4 460-962246/5	8.0	11.346088	8.0	360538.0	1.418261	Y
6	ICIS 460-962246/2	20.0	22.216087	8.0	379005.0	1.110804	Y
7	STD16 460-962246/4	32.0	45.090081	8.0	371686.0	1.409065	Y
8	STD24 460-962246/3	48.0	62.45012	8.0	341358.0	1.301044	Y



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

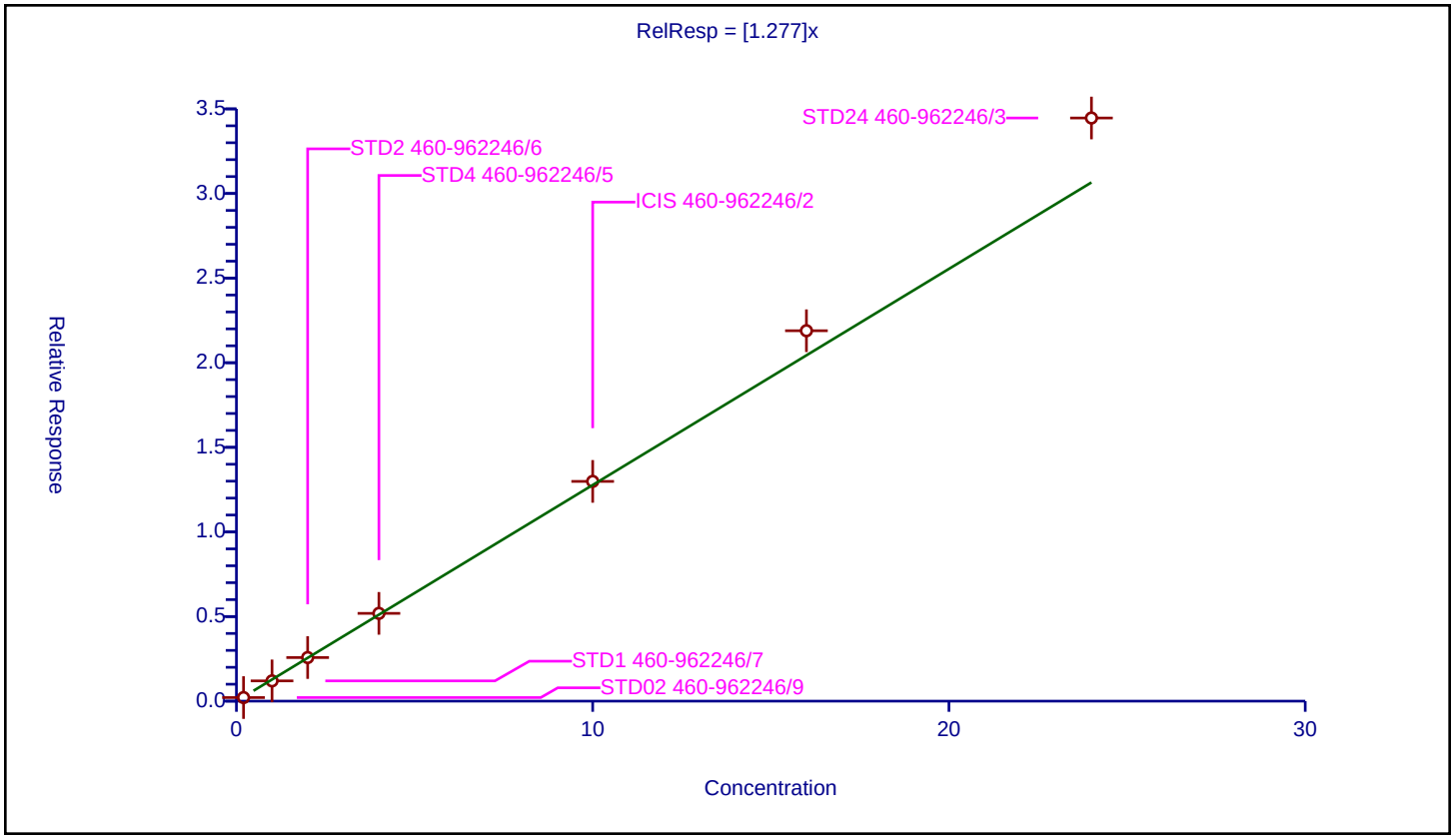
Curve Coefficients

Intercept:	0
Slope:	1.277

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.211434	8.0	374395.0	1.057172	Y
2	STD1 460-962246/7	1.0	1.19639	8.0	364169.0	1.19639	Y
3	STD2 460-962246/6	2.0	2.575976	8.0	354643.0	1.287988	Y
4	STD4 460-962246/5	4.0	5.18707	8.0	360538.0	1.296768	Y
5	ICIS 460-962246/2	10.0	12.985876	8.0	379005.0	1.298588	Y
6	STD16 460-962246/4	16.0	21.890908	8.0	371686.0	1.368182	Y
7	STD24 460-962246/3	24.0	34.46233	8.0	341358.0	1.43593	Y



Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

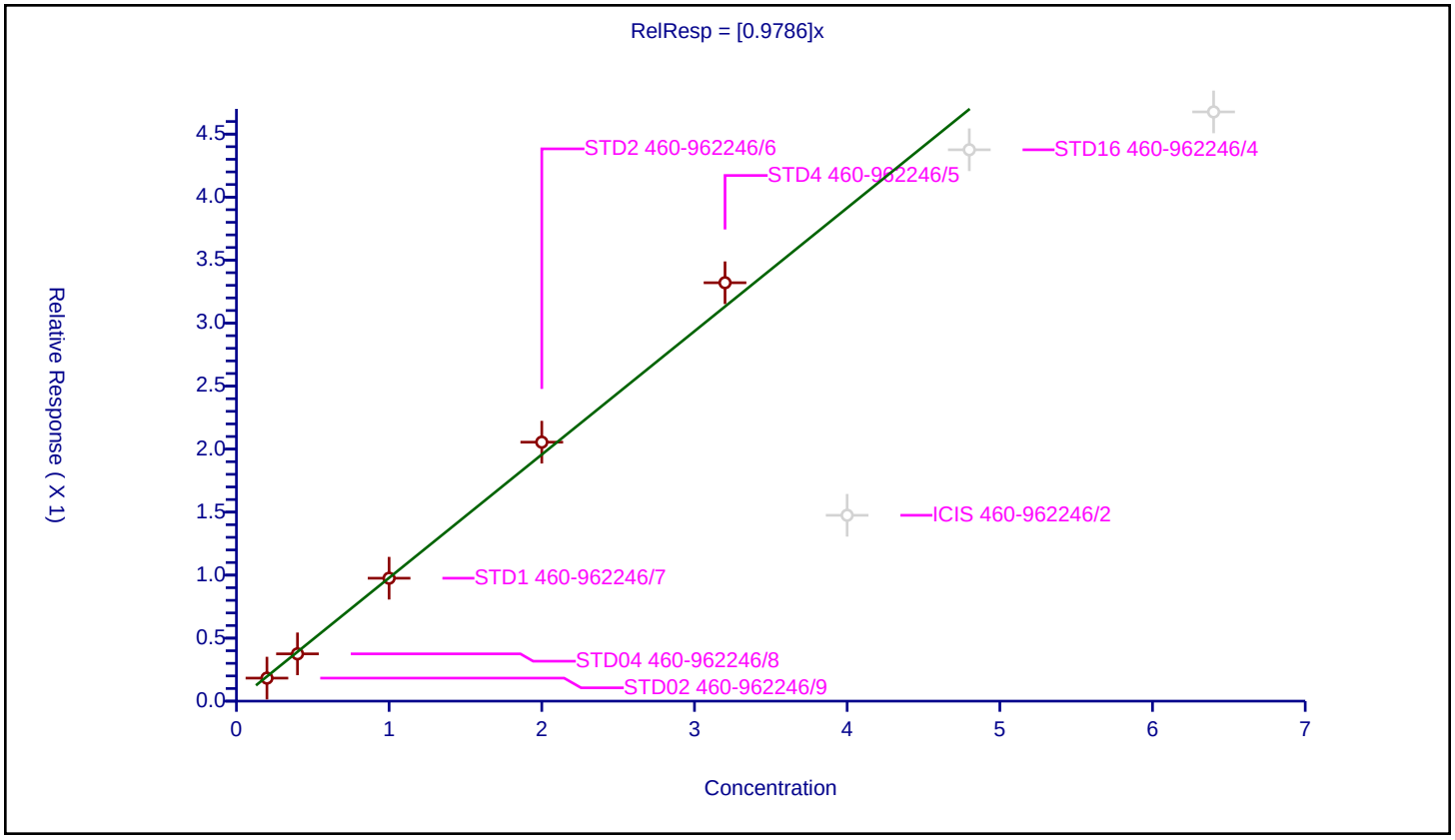
Curve Coefficients

Intercept:	0
Slope:	0.9786

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.182802	8.0	374395.0	0.914008	Y
2	STD04 460-962246/8	0.4	0.375192	8.0	362908.0	0.937979	Y
3	STD1 460-962246/7	1.0	0.975569	8.0	364169.0	0.975569	Y
4	STD2 460-962246/6	2.0	2.055137	8.0	354643.0	1.027569	Y
5	STD4 460-962246/5	3.2	3.320504	8.0	360538.0	1.037658	Y
6	ICIS 460-962246/2	4.0	1.474936	8.0	379005.0	0.368734	N
7	STD16 460-962246/4	4.8	4.375607	8.0	371686.0	0.911585	N
8	STD24 460-962246/3	6.4	4.676123	8.0	341358.0	0.730644	N



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

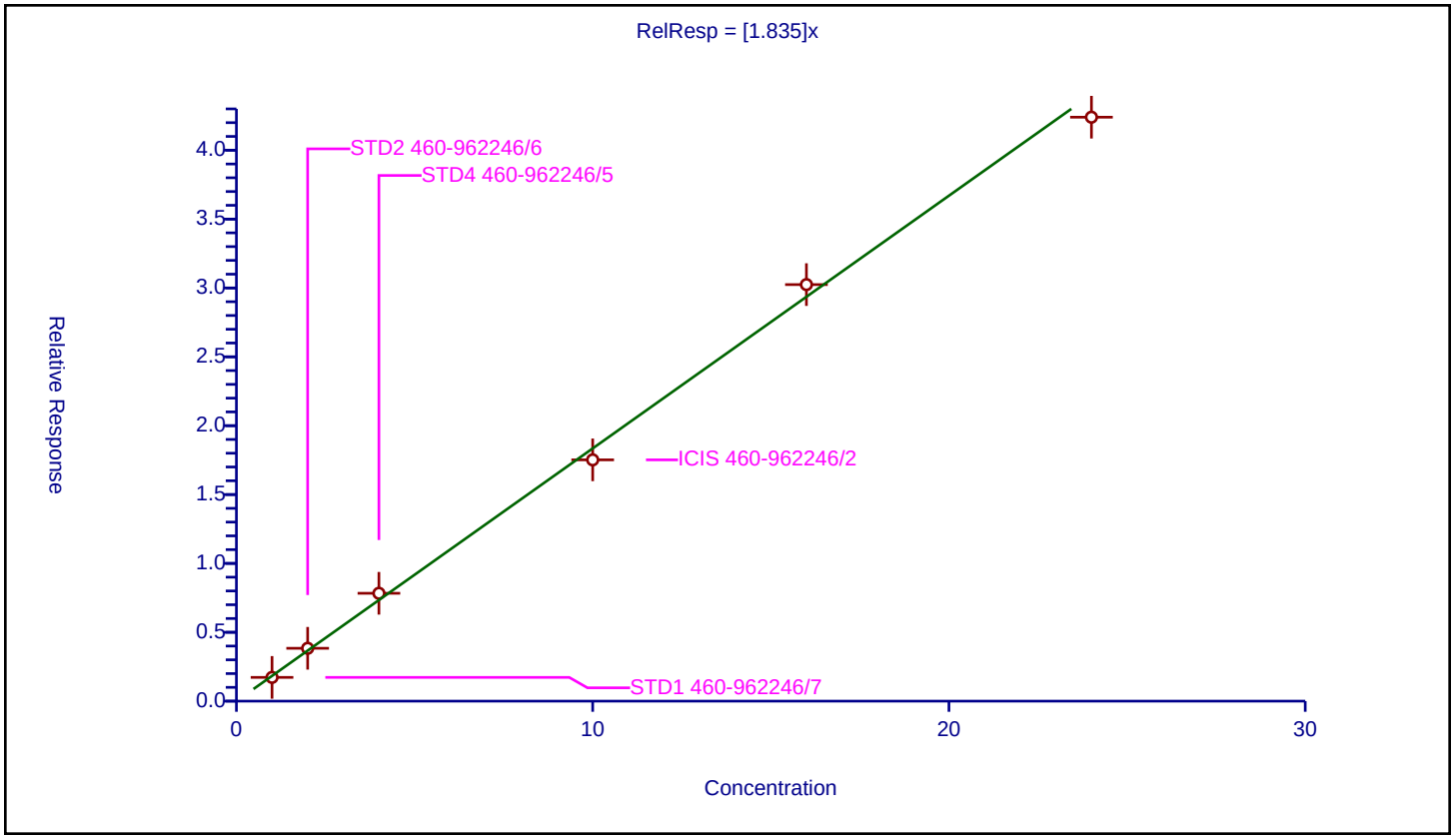
Curve Coefficients

Intercept:	0
Slope:	1.835

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.724408	8.0	364169.0	1.724408	Y
2	STD2 460-962246/6	2.0	3.836715	8.0	354643.0	1.918357	Y
3	STD4 460-962246/5	4.0	7.830342	8.0	360538.0	1.957586	Y
4	ICIS 460-962246/2	10.0	17.519072	8.0	379005.0	1.751907	Y
5	STD16 460-962246/4	16.0	30.243227	8.0	371686.0	1.890202	Y
6	STD24 460-962246/3	24.0	42.396663	8.0	341358.0	1.766528	Y



Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

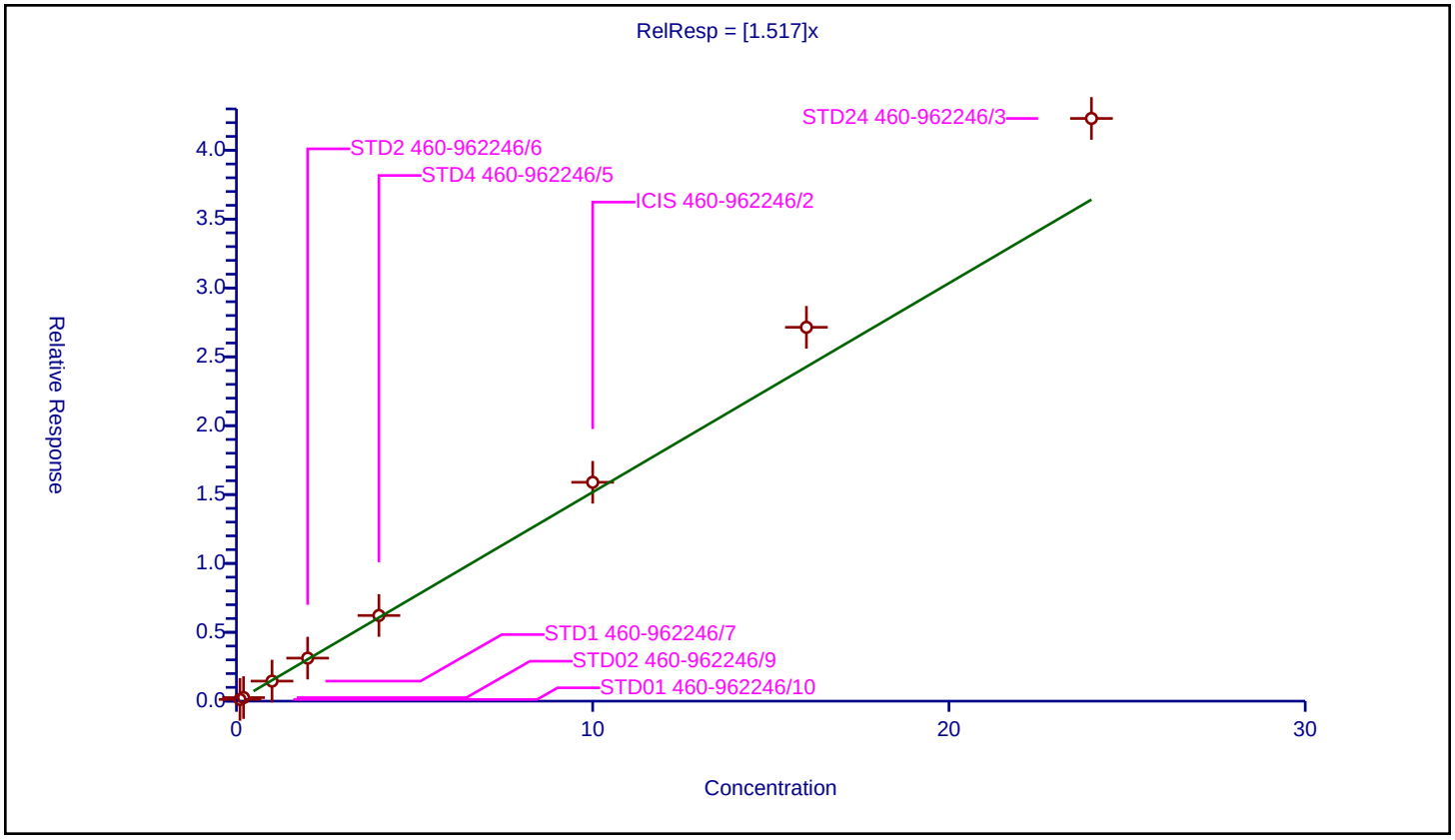
Curve Coefficients

Intercept:	0
Slope:	1.517

Error Coefficients

Relative Standard Deviation:	12.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.122283	8.0	327241.0	1.22283	Y
2	STD02 460-962246/9	0.2	0.258828	8.0	374395.0	1.294141	Y
3	STD1 460-962246/7	1.0	1.455258	8.0	364169.0	1.455258	Y
4	STD2 460-962246/6	2.0	3.124697	8.0	354643.0	1.562349	Y
5	STD4 460-962246/5	4.0	6.219572	8.0	360538.0	1.554893	Y
6	ICIS 460-962246/2	10.0	15.889943	8.0	379005.0	1.588994	Y
7	STD16 460-962246/4	16.0	27.142846	8.0	371686.0	1.696428	Y
8	STD24 460-962246/3	24.0	42.306201	8.0	341358.0	1.762758	Y



Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

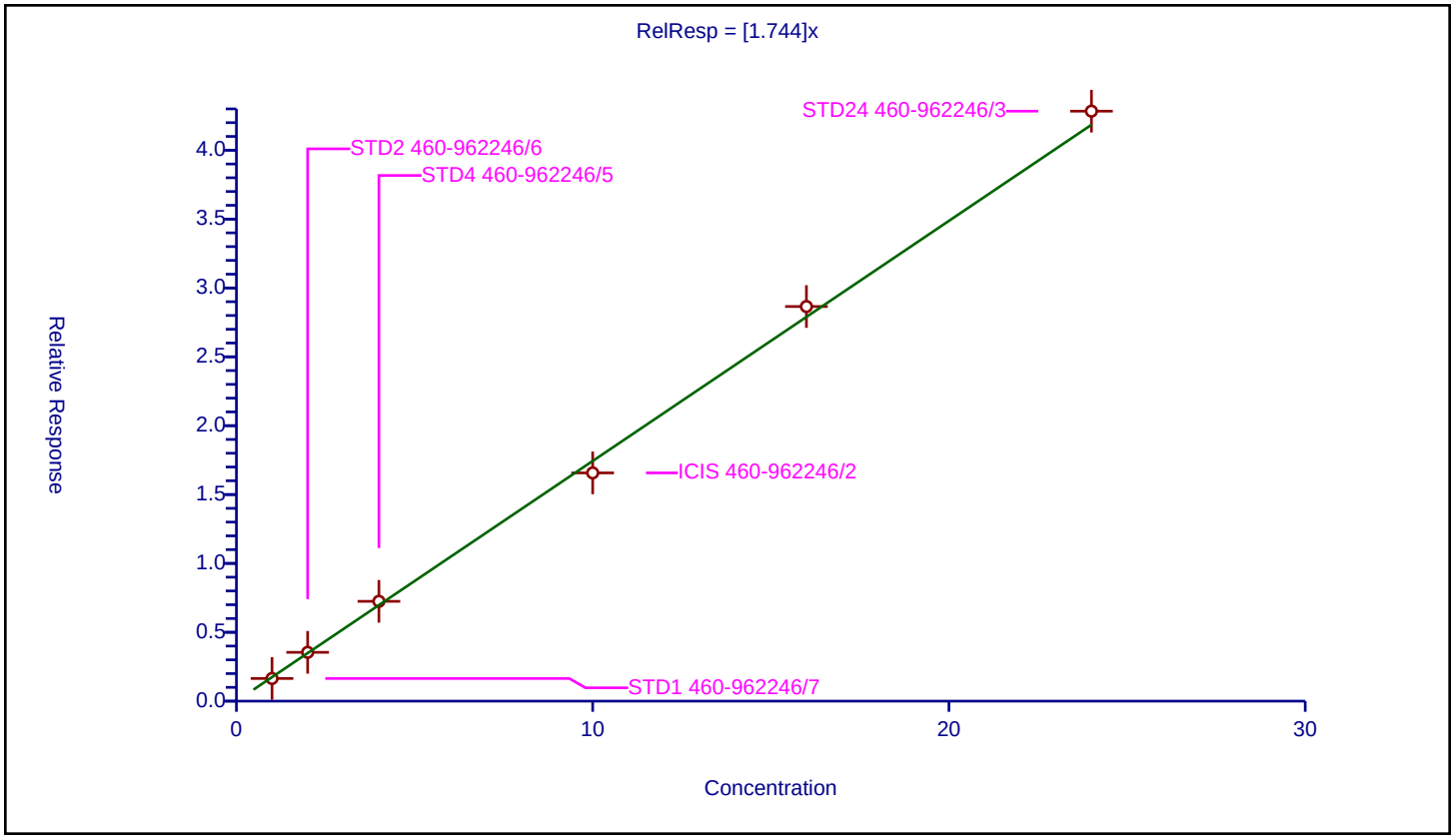
Curve Coefficients

Intercept:	0
Slope:	1.744

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.645236	8.0	364169.0	1.645236	Y
2	STD2 460-962246/6	2.0	3.543146	8.0	354643.0	1.771573	Y
3	STD4 460-962246/5	4.0	7.247059	8.0	360538.0	1.811765	Y
4	ICIS 460-962246/2	10.0	16.57042	8.0	379005.0	1.657042	Y
5	STD16 460-962246/4	16.0	28.651625	8.0	371686.0	1.790727	Y
6	STD24 460-962246/3	24.0	42.834725	8.0	341358.0	1.78478	Y



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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

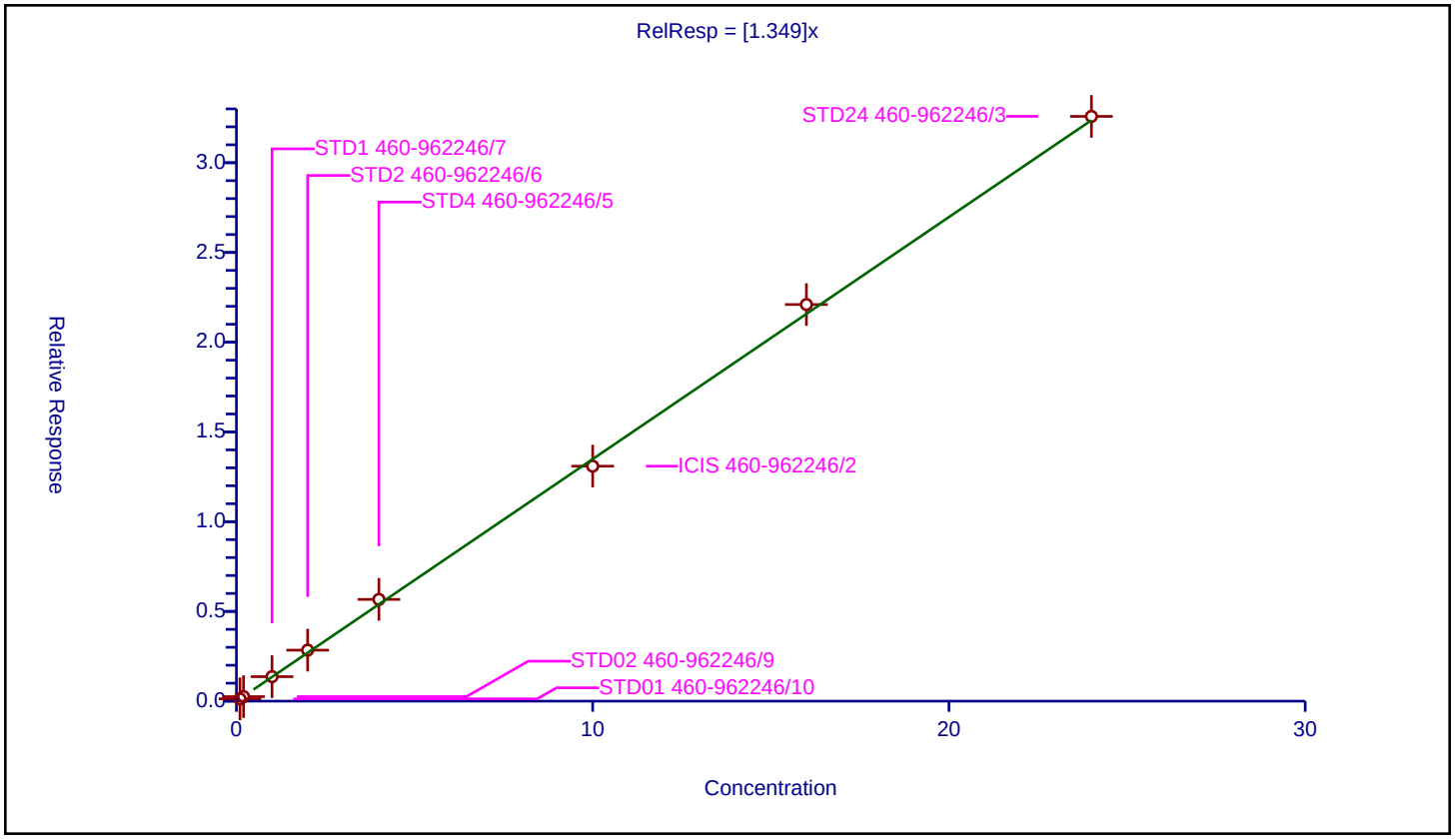
Curve Coefficients

Intercept:	0
Slope:	1.349

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.127906	8.0	327241.0	1.279057	Y
2	STD02 460-962246/9	0.2	0.251948	8.0	374395.0	1.259739	Y
3	STD1 460-962246/7	1.0	1.36396	8.0	364169.0	1.36396	Y
4	STD2 460-962246/6	2.0	2.841596	8.0	354643.0	1.420798	Y
5	STD4 460-962246/5	4.0	5.669017	8.0	360538.0	1.417254	Y
6	ICIS 460-962246/2	10.0	13.092387	8.0	379005.0	1.309239	Y
7	STD16 460-962246/4	16.0	22.09945	8.0	371686.0	1.381216	Y
8	STD24 460-962246/3	24.0	32.581747	8.0	341358.0	1.357573	Y



Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

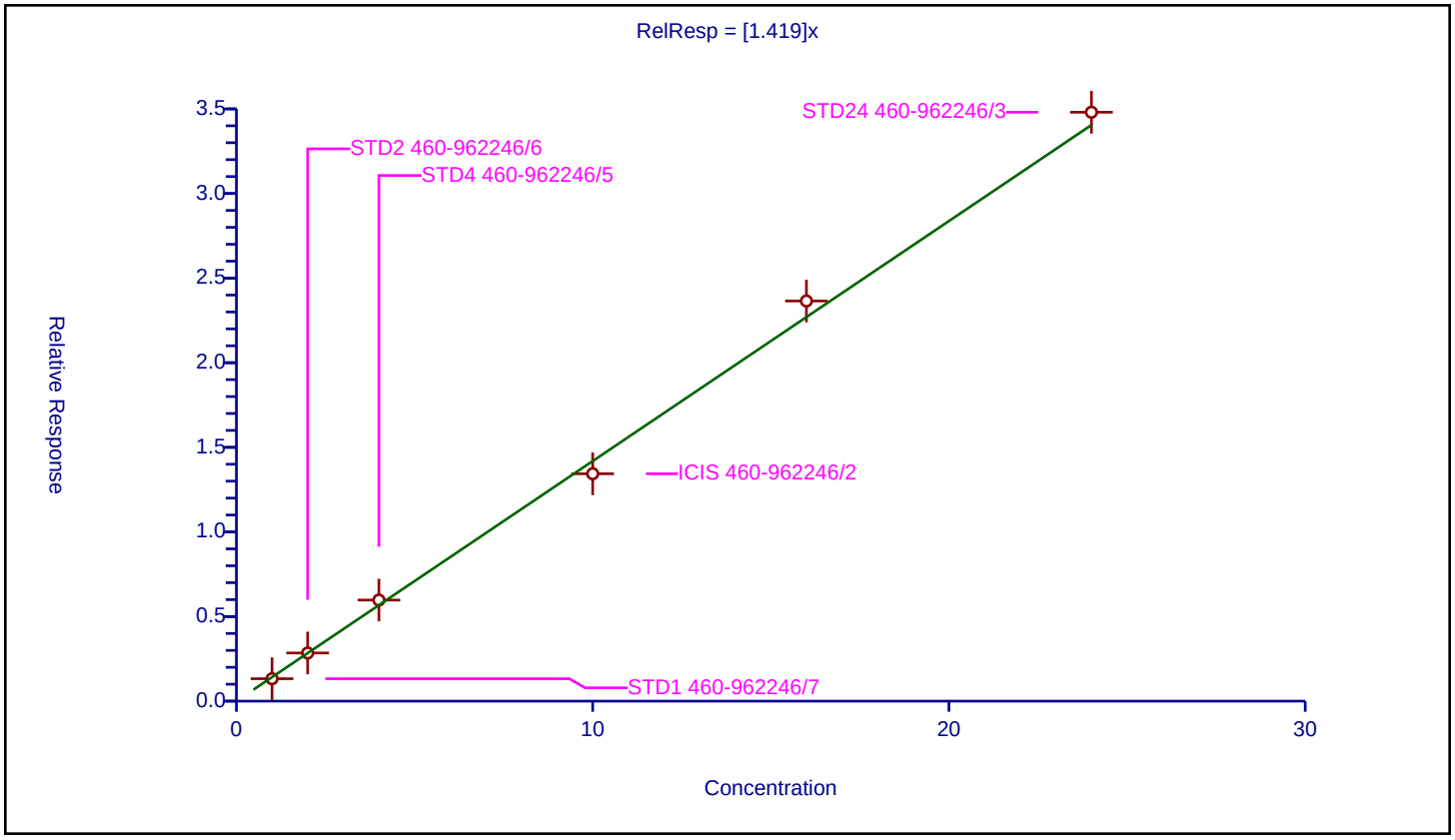
Curve Coefficients

Intercept:	0
Slope:	1.419

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.32422	8.0	364169.0	1.32422	Y
2	STD2 460-962246/6	2.0	2.844415	8.0	354643.0	1.422208	Y
3	STD4 460-962246/5	4.0	5.972829	8.0	360538.0	1.493207	Y
4	ICIS 460-962246/2	10.0	13.438493	8.0	379005.0	1.343849	Y
5	STD16 460-962246/4	16.0	23.648198	8.0	371686.0	1.478012	Y
6	STD24 460-962246/3	24.0	34.802805	8.0	341358.0	1.450117	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

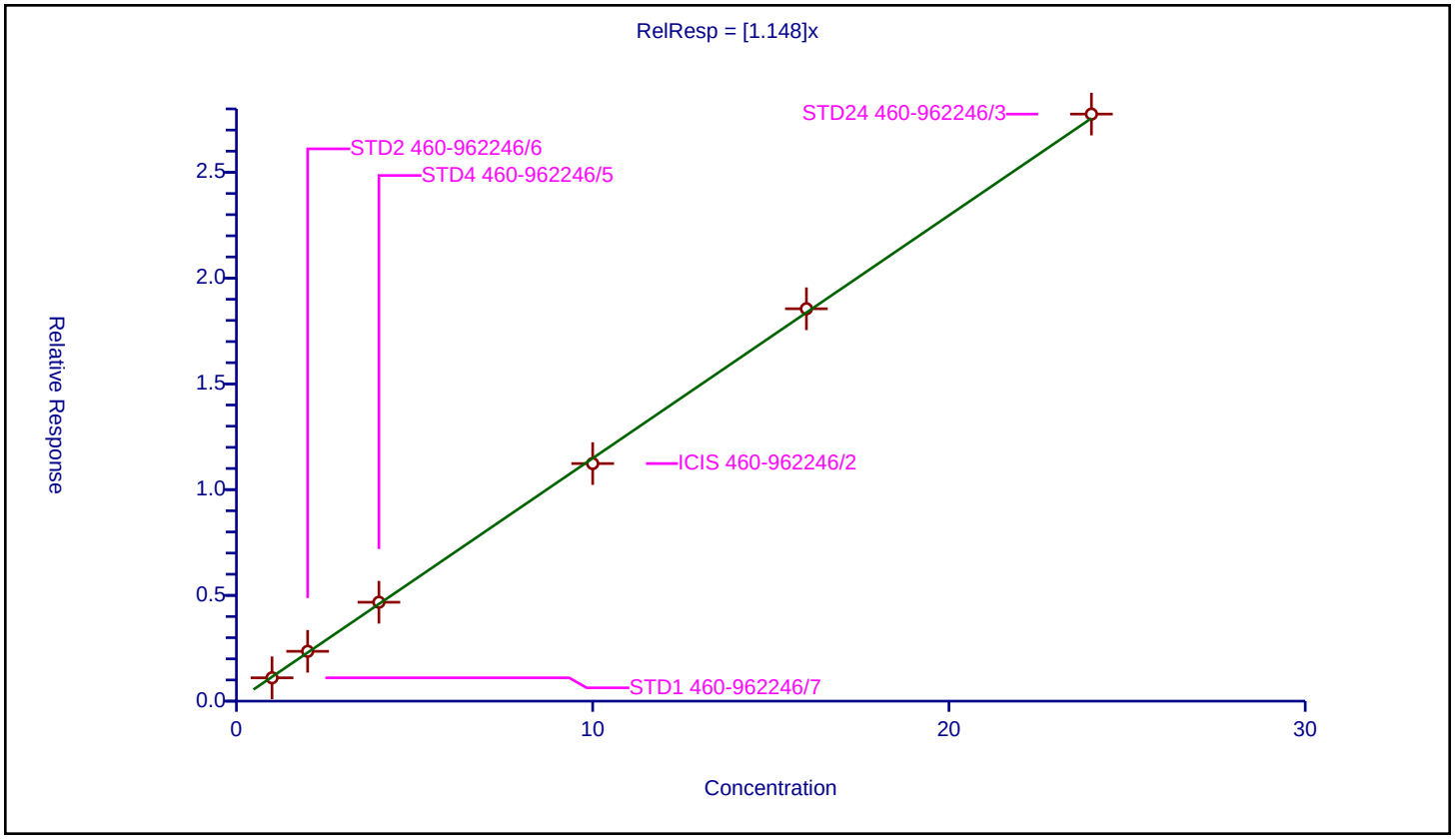
Curve Coefficients

Intercept:	0
Slope:	1.148

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.103114	8.0	364169.0	1.103114	Y
2	STD2 460-962246/6	2.0	2.355811	8.0	354643.0	1.177906	Y
3	STD4 460-962246/5	4.0	4.676323	8.0	360538.0	1.169081	Y
4	ICIS 460-962246/2	10.0	11.233034	8.0	379005.0	1.123303	Y
5	STD16 460-962246/4	16.0	18.550432	8.0	371686.0	1.159402	Y
6	STD24 460-962246/3	24.0	27.754112	8.0	341358.0	1.156421	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

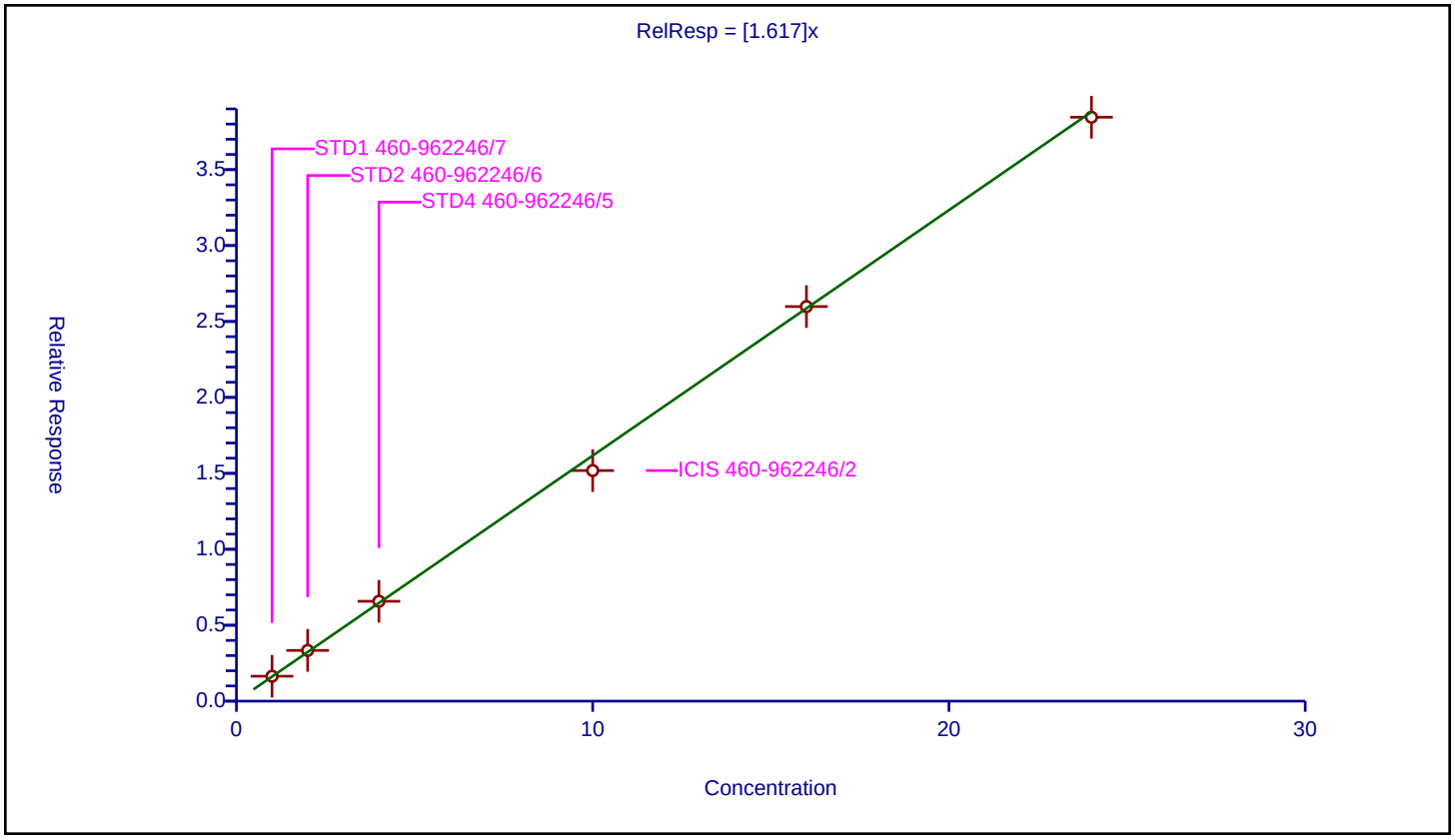
Curve Coefficients

Intercept:	0
Slope:	1.617

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.64148	8.0	364169.0	1.64148	Y
2	STD2 460-962246/6	2.0	3.339697	8.0	354643.0	1.669848	Y
3	STD4 460-962246/5	4.0	6.576527	8.0	360538.0	1.644132	Y
4	ICIS 460-962246/2	10.0	15.184897	8.0	379005.0	1.51849	Y
5	STD16 460-962246/4	16.0	25.98206	8.0	371686.0	1.623879	Y
6	STD24 460-962246/3	24.0	38.451315	8.0	341358.0	1.602138	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

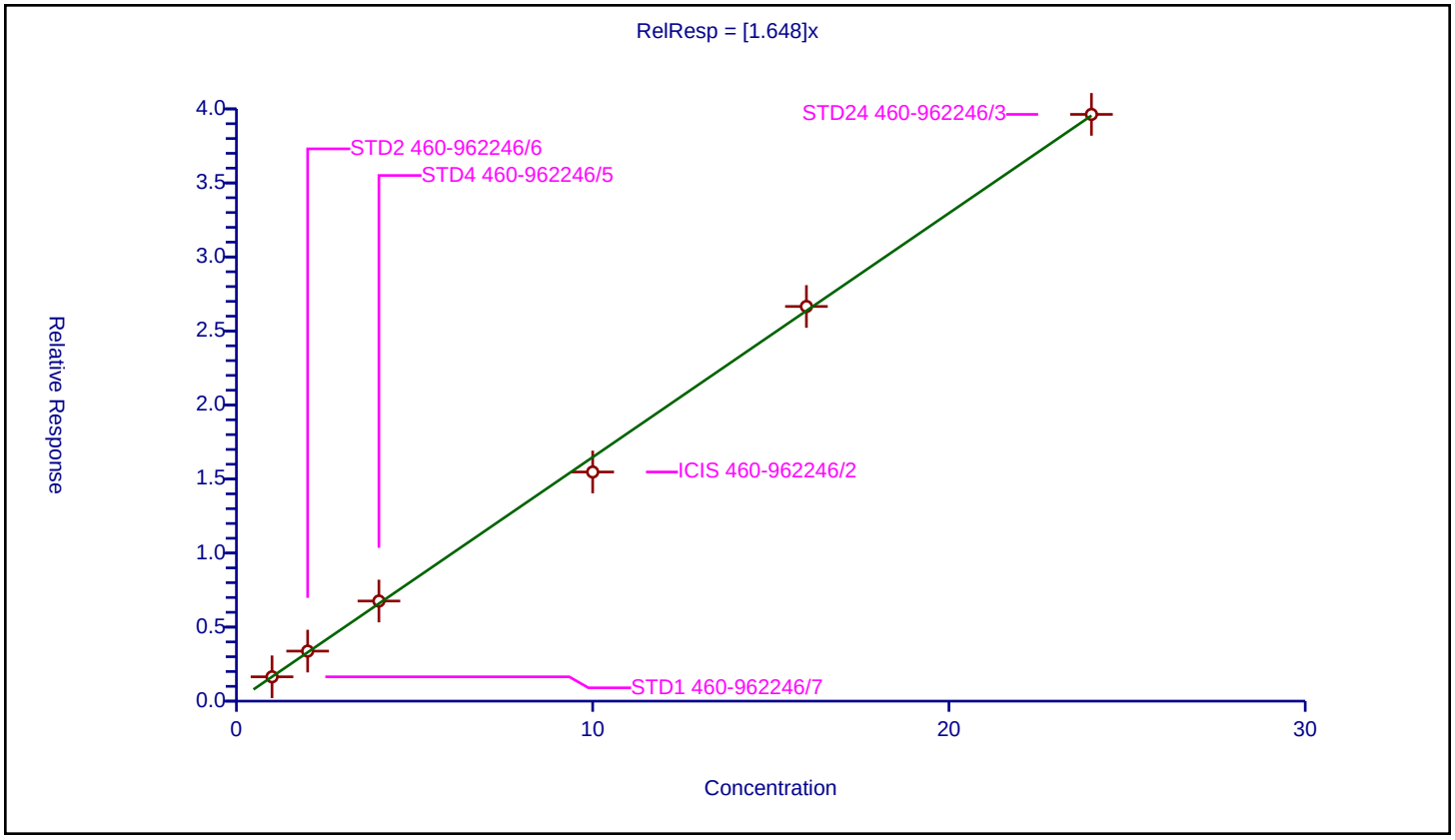
Curve Coefficients

Intercept:	0
Slope:	1.648

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.6426	8.0	364169.0	1.6426	Y
2	STD2 460-962246/6	2.0	3.378564	8.0	354643.0	1.689282	Y
3	STD4 460-962246/5	4.0	6.761318	8.0	360538.0	1.690329	Y
4	ICIS 460-962246/2	10.0	15.476123	8.0	379005.0	1.547612	Y
5	STD16 460-962246/4	16.0	26.655747	8.0	371686.0	1.665984	Y
6	STD24 460-962246/3	24.0	39.630113	8.0	341358.0	1.651255	Y



Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

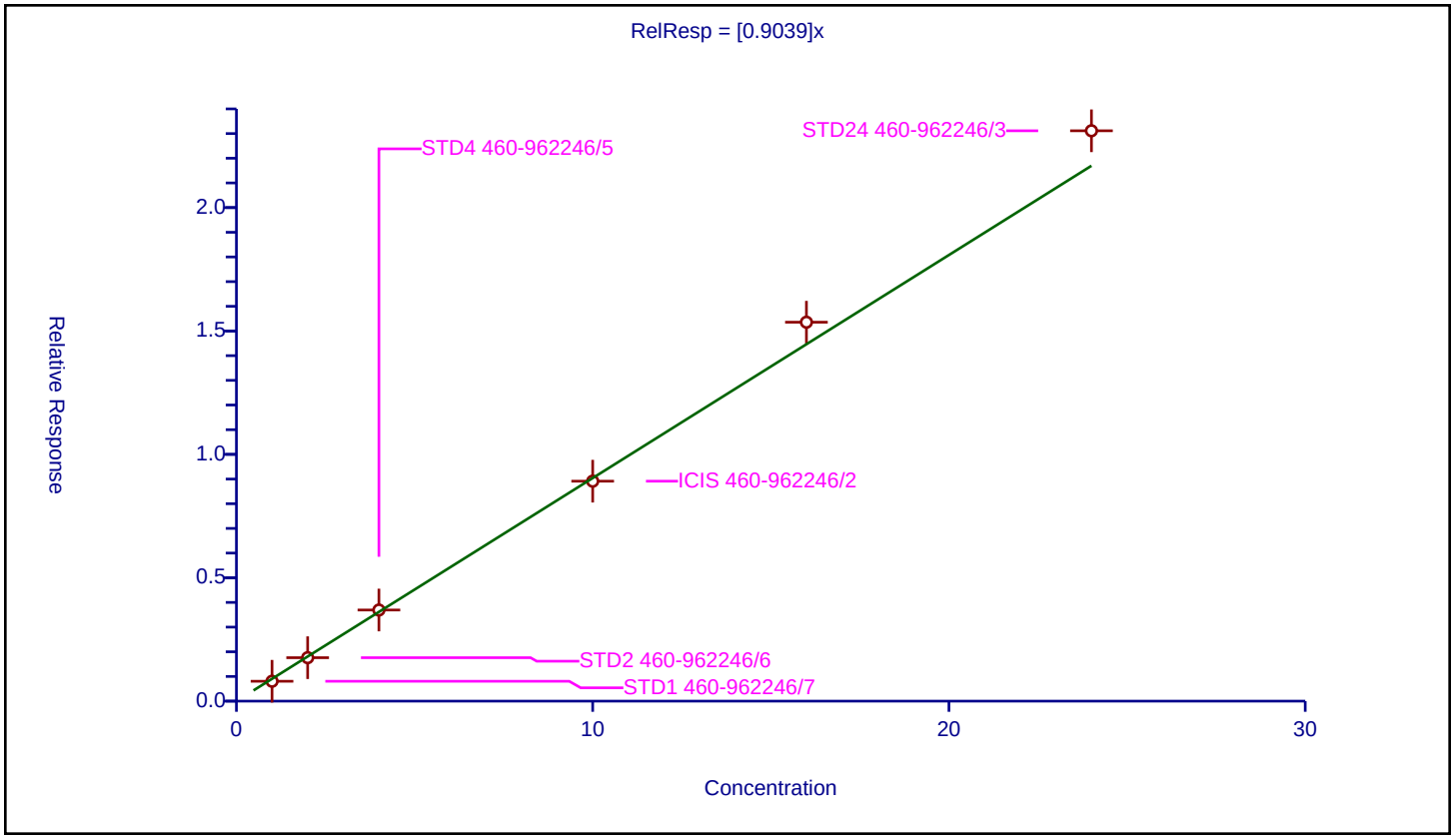
Curve Coefficients

Intercept:	0
Slope:	0.9039

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.805714	8.0	364169.0	0.805714	Y
2	STD2 460-962246/6	2.0	1.760824	8.0	354643.0	0.880412	Y
3	STD4 460-962246/5	4.0	3.692815	8.0	360538.0	0.923204	Y
4	ICIS 460-962246/2	10.0	8.913951	8.0	379005.0	0.891395	Y
5	STD16 460-962246/4	16.0	15.356037	8.0	371686.0	0.959752	Y
6	STD24 460-962246/3	24.0	23.113236	8.0	341358.0	0.963051	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

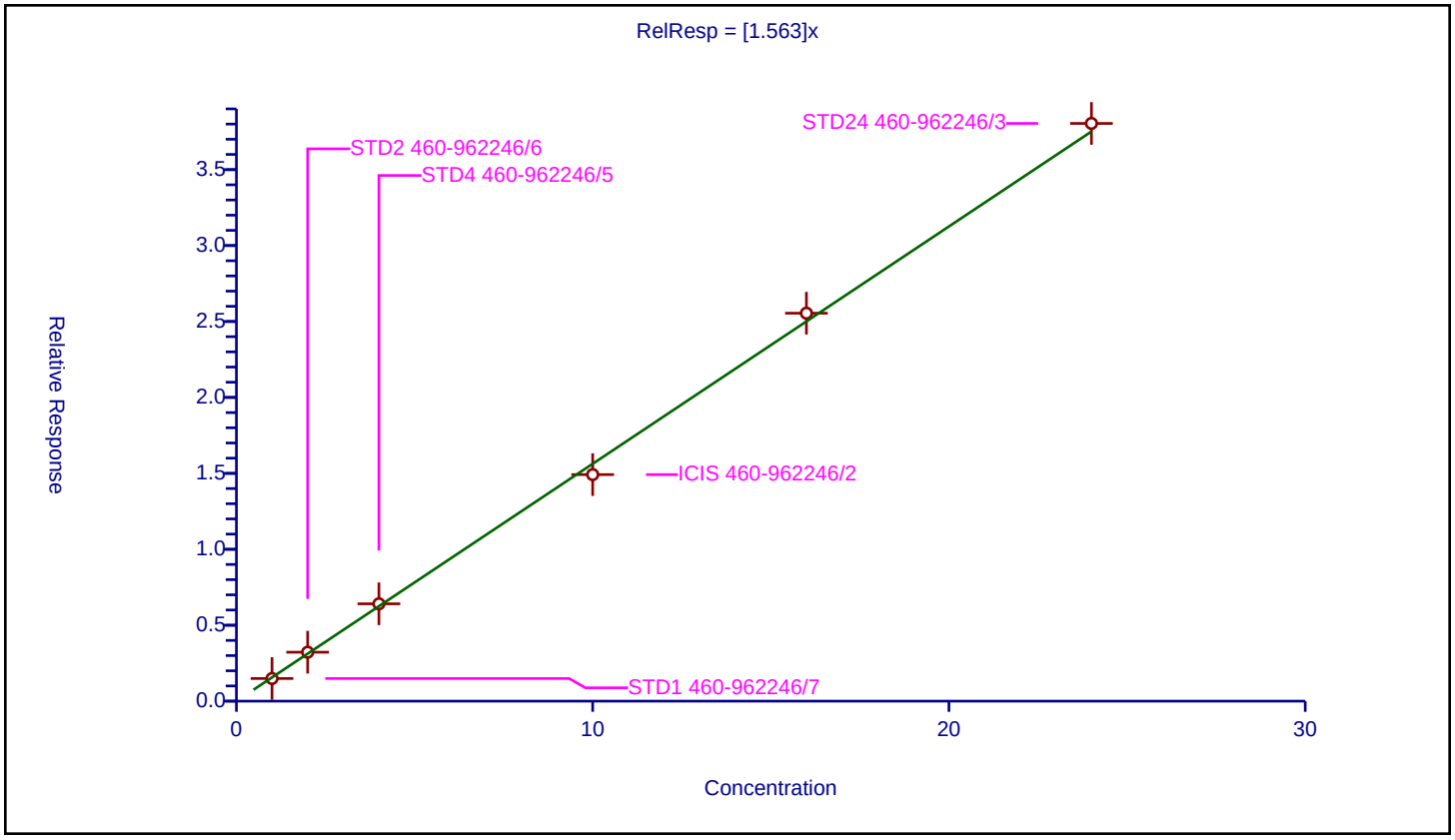
Curve Coefficients

Intercept:	0
Slope:	1.563

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.489792	8.0	364169.0	1.489792	Y
2	STD2 460-962246/6	2.0	3.223343	8.0	354643.0	1.611671	Y
3	STD4 460-962246/5	4.0	6.4088	8.0	360538.0	1.6022	Y
4	ICIS 460-962246/2	10.0	14.918115	8.0	379005.0	1.491811	Y
5	STD16 460-962246/4	16.0	25.546251	8.0	371686.0	1.596641	Y
6	STD24 460-962246/3	24.0	38.042126	8.0	341358.0	1.585089	Y



Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

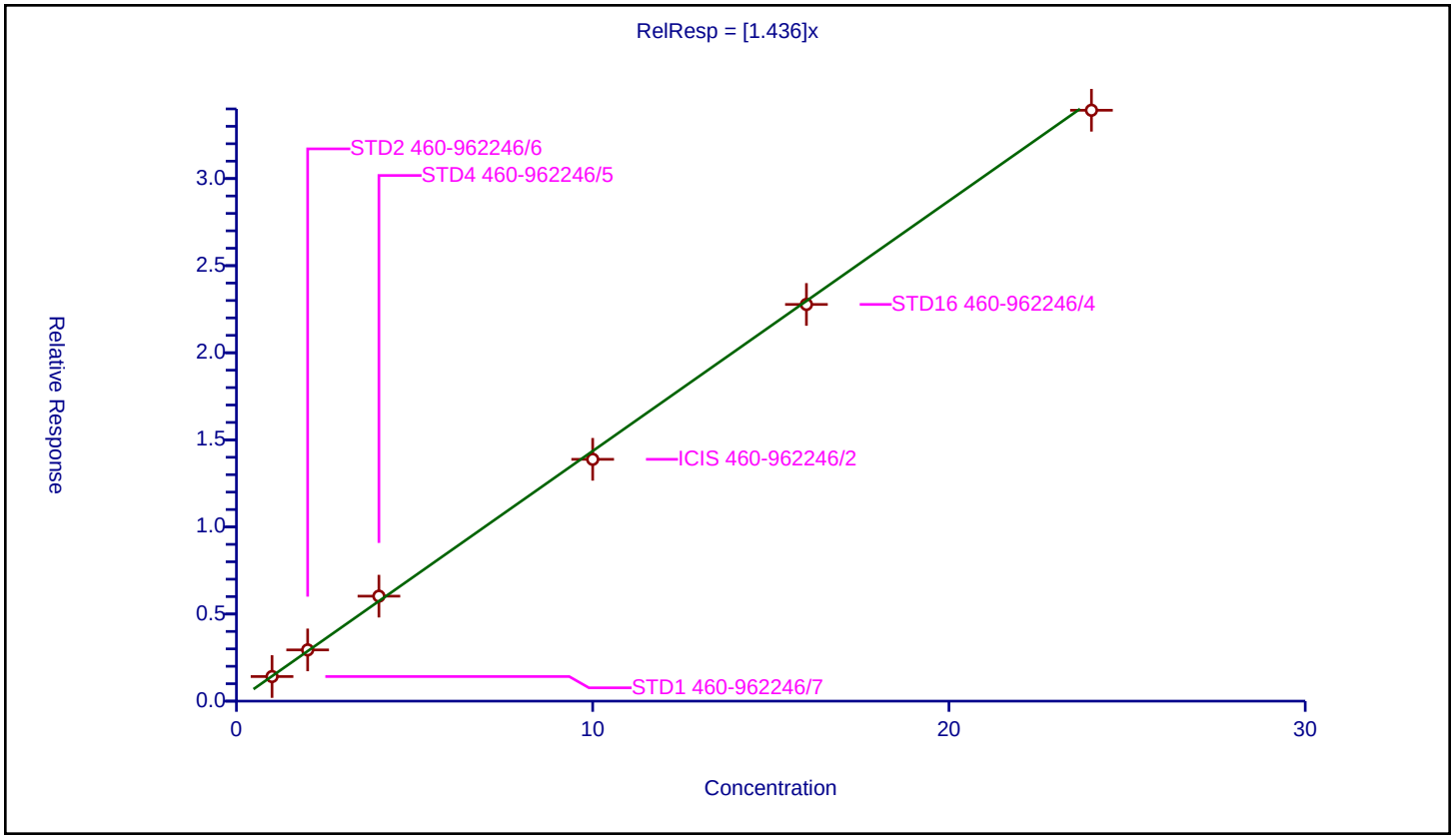
Curve Coefficients

Intercept:	0
Slope:	1.436

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.412707	8.0	364169.0	1.412707	Y
2	STD2 460-962246/6	2.0	2.941347	8.0	354643.0	1.470673	Y
3	STD4 460-962246/5	4.0	6.027037	8.0	360538.0	1.506759	Y
4	ICIS 460-962246/2	10.0	13.883363	8.0	379005.0	1.388336	Y
5	STD16 460-962246/4	16.0	22.773395	8.0	371686.0	1.423337	Y
6	STD24 460-962246/3	24.0	33.921502	8.0	341358.0	1.413396	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

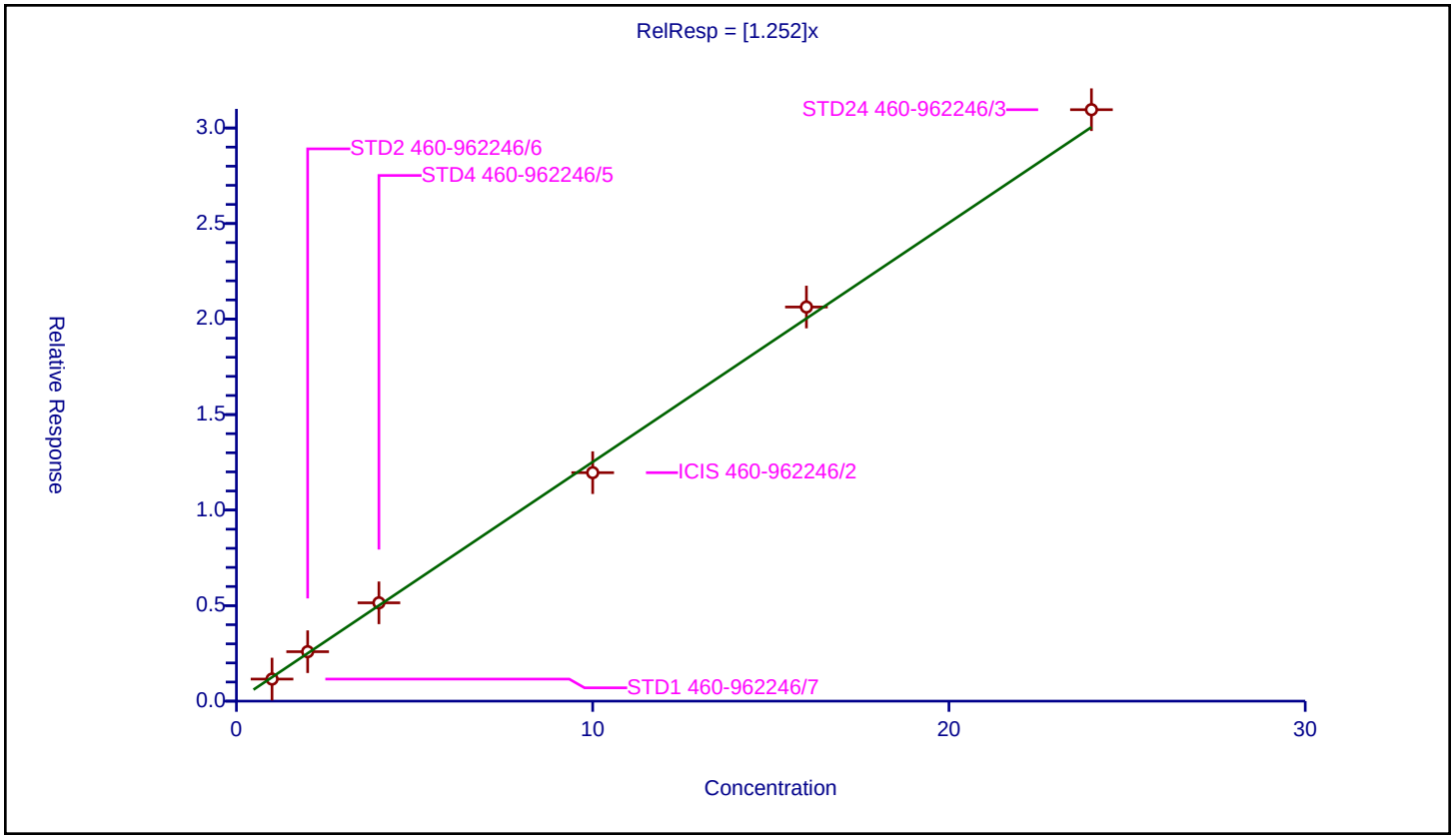
Curve Coefficients

Intercept:	0
Slope:	1.252

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.155376	8.0	364169.0	1.155376	Y
2	STD2 460-962246/6	2.0	2.588812	8.0	354643.0	1.294406	Y
3	STD4 460-962246/5	4.0	5.145777	8.0	360538.0	1.286444	Y
4	ICIS 460-962246/2	10.0	11.959336	8.0	379005.0	1.195934	Y
5	STD16 460-962246/4	16.0	20.628681	8.0	371686.0	1.289293	Y
6	STD24 460-962246/3	24.0	30.958841	8.0	341358.0	1.289952	Y



Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

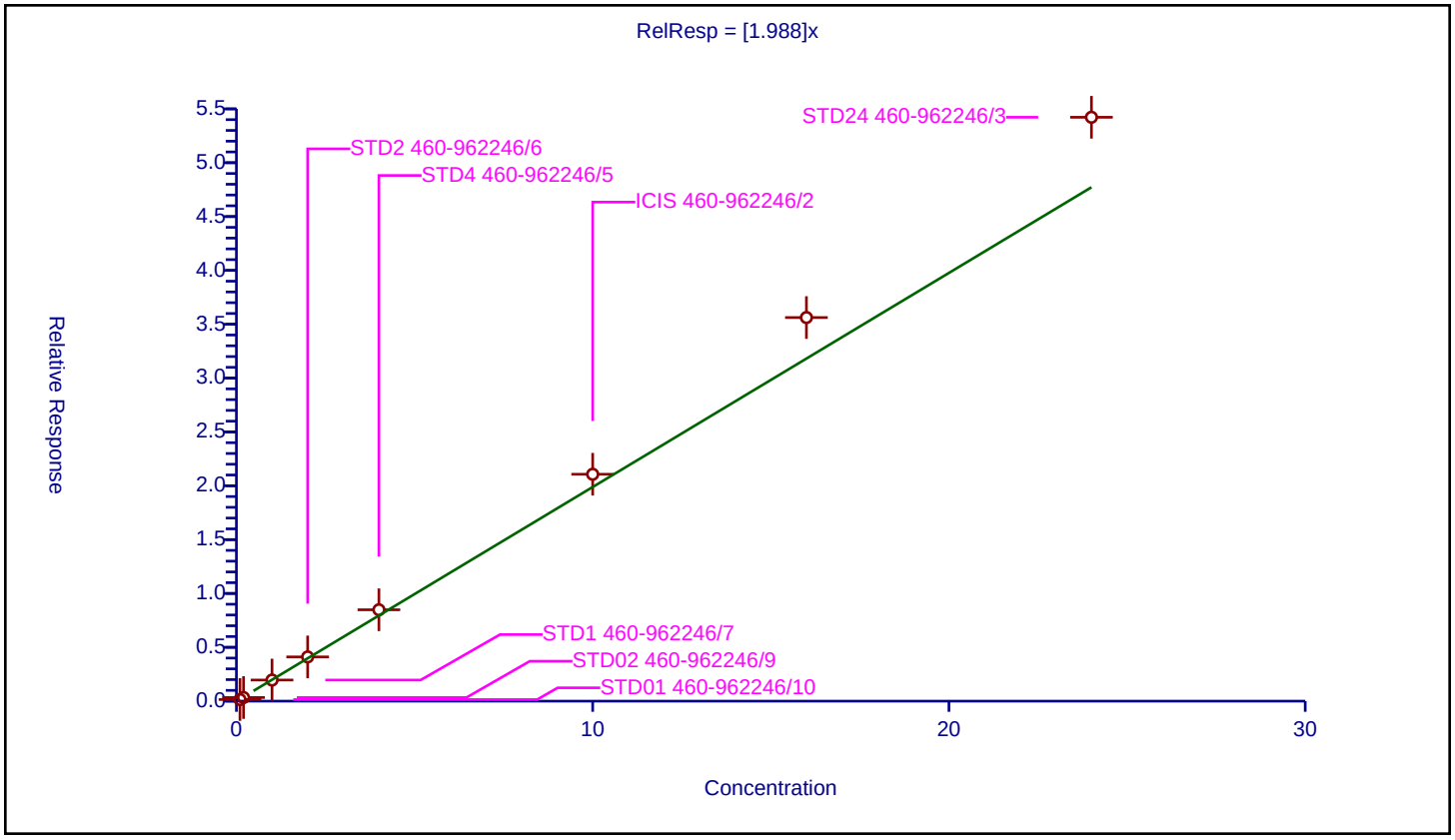
Curve Coefficients

Intercept:	0
Slope:	1.988

Error Coefficients

Relative Standard Deviation:	13.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.149957	8.0	327241.0	1.499568	Y
2	STD02 460-962246/9	0.2	0.33618	8.0	374395.0	1.680899	Y
3	STD1 460-962246/7	1.0	1.959442	8.0	364169.0	1.959442	Y
4	STD2 460-962246/6	2.0	4.106868	8.0	354643.0	2.053434	Y
5	STD4 460-962246/5	4.0	8.484077	8.0	360538.0	2.121019	Y
6	ICIS 460-962246/2	10.0	21.068978	8.0	379005.0	2.106898	Y
7	STD16 460-962246/4	16.0	35.622477	8.0	371686.0	2.226405	Y
8	STD24 460-962246/3	24.0	54.221808	8.0	341358.0	2.259242	Y



Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

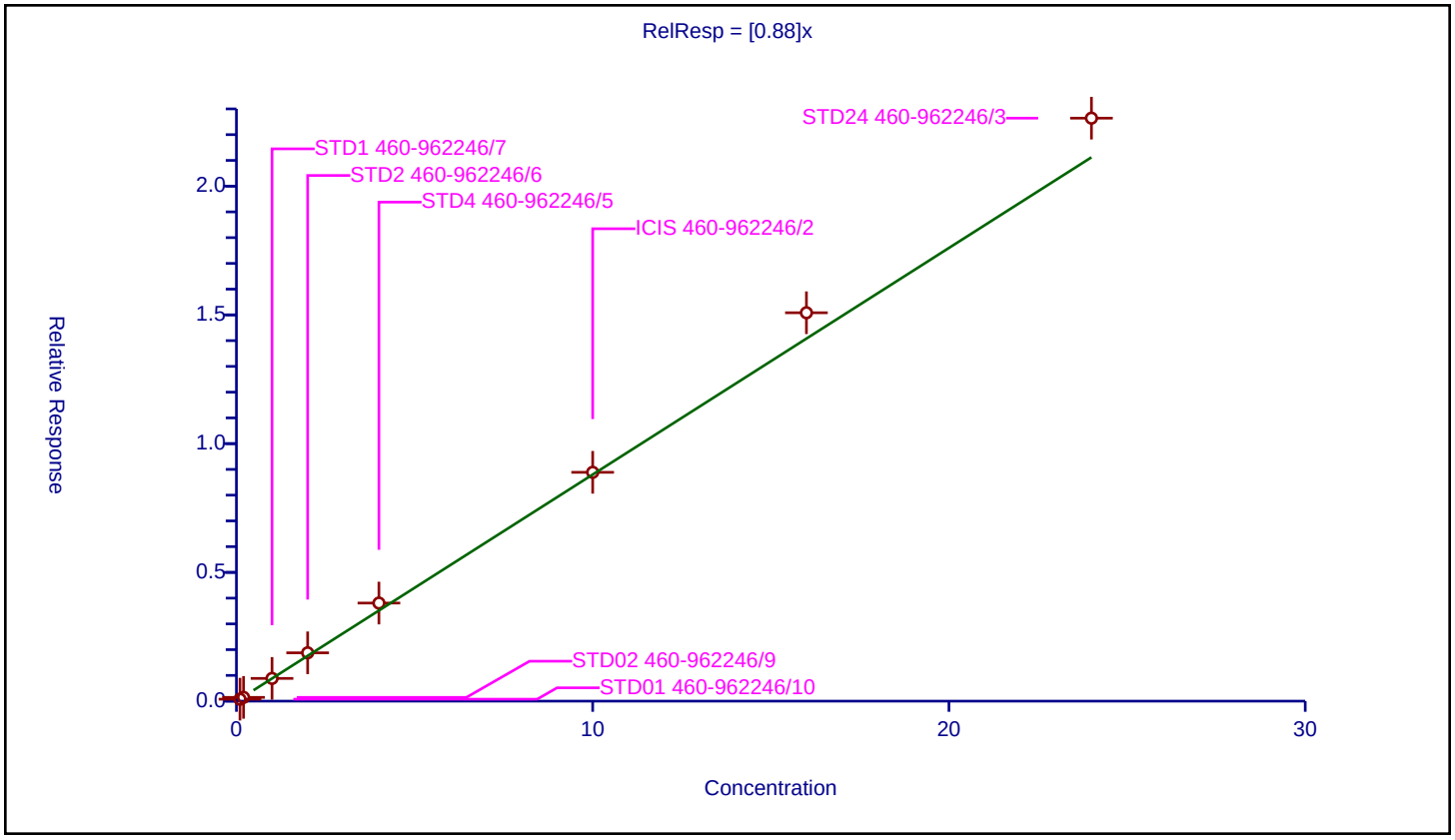
Curve Coefficients

Intercept:	0
Slope:	0.88

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.075736	8.0	327241.0	0.757362	Y
2	STD02 460-962246/9	0.2	0.146818	8.0	374395.0	0.734091	Y
3	STD1 460-962246/7	1.0	0.882953	8.0	364169.0	0.882953	Y
4	STD2 460-962246/6	2.0	1.876885	8.0	354643.0	0.938442	Y
5	STD4 460-962246/5	4.0	3.808997	8.0	360538.0	0.952249	Y
6	ICIS 460-962246/2	10.0	8.886637	8.0	379005.0	0.888664	Y
7	STD16 460-962246/4	16.0	15.082774	8.0	371686.0	0.942673	Y
8	STD24 460-962246/3	24.0	22.640536	8.0	341358.0	0.943356	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

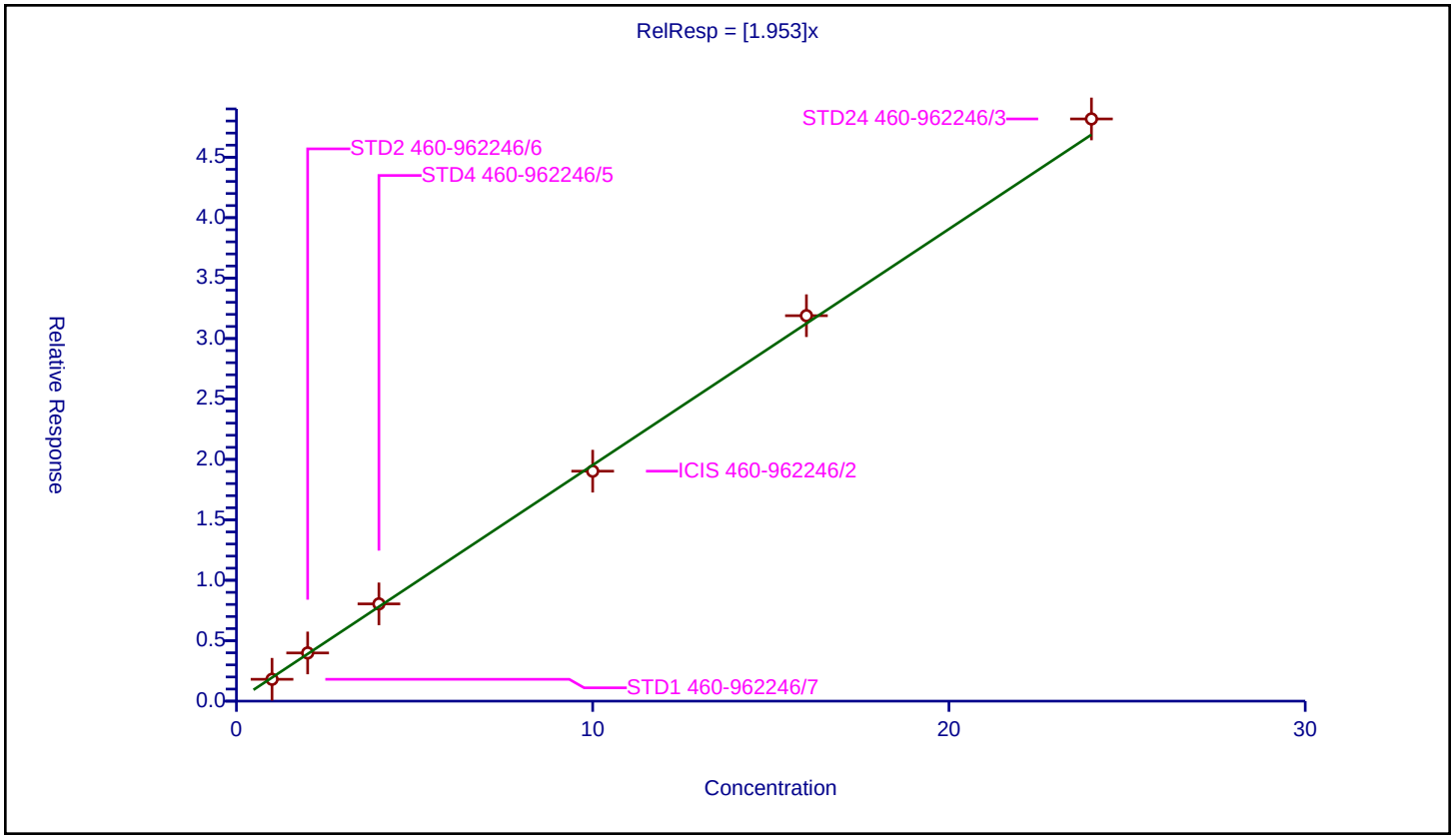
Curve Coefficients

Intercept:	0
Slope:	1.953

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.808479	8.0	364169.0	1.808479	Y
2	STD2 460-962246/6	2.0	3.988349	8.0	354643.0	1.994174	Y
3	STD4 460-962246/5	4.0	8.046064	8.0	360538.0	2.011516	Y
4	ICIS 460-962246/2	10.0	19.027443	8.0	379005.0	1.902744	Y
5	STD16 460-962246/4	16.0	31.890294	8.0	371686.0	1.993143	Y
6	STD24 460-962246/3	24.0	48.169886	8.0	341358.0	2.007079	Y



Calibration

/ 3 & 4 Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

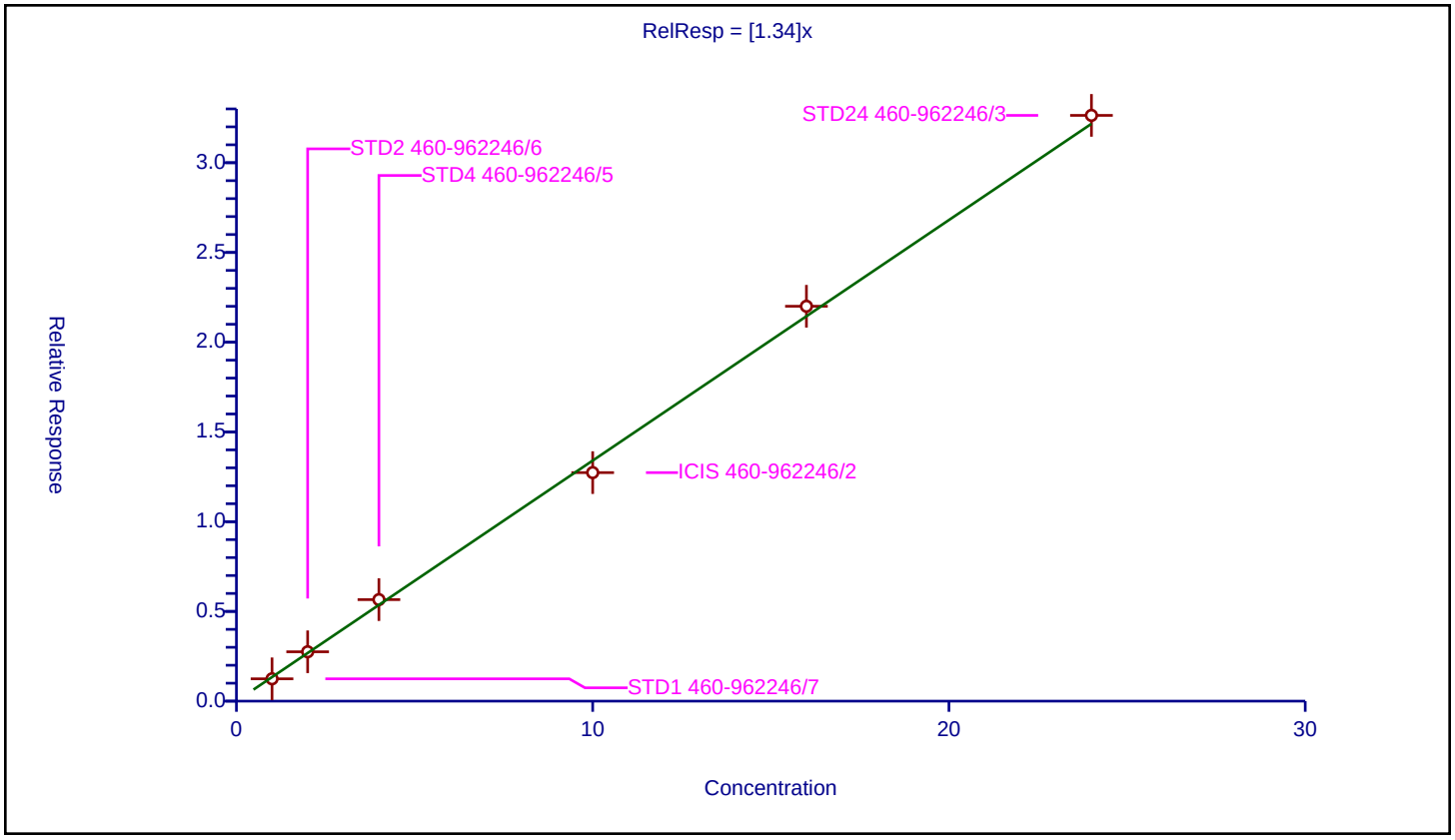
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.244741	8.0	364169.0	1.244741	Y
2	STD2 460-962246/6	2.0	2.750033	8.0	354643.0	1.375017	Y
3	STD4 460-962246/5	4.0	5.655925	8.0	360538.0	1.413981	Y
4	ICIS 460-962246/2	10.0	12.733827	8.0	379005.0	1.273383	Y
5	STD16 460-962246/4	16.0	22.00339	8.0	371686.0	1.375212	Y
6	STD24 460-962246/3	24.0	32.638344	8.0	341358.0	1.359931	Y



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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

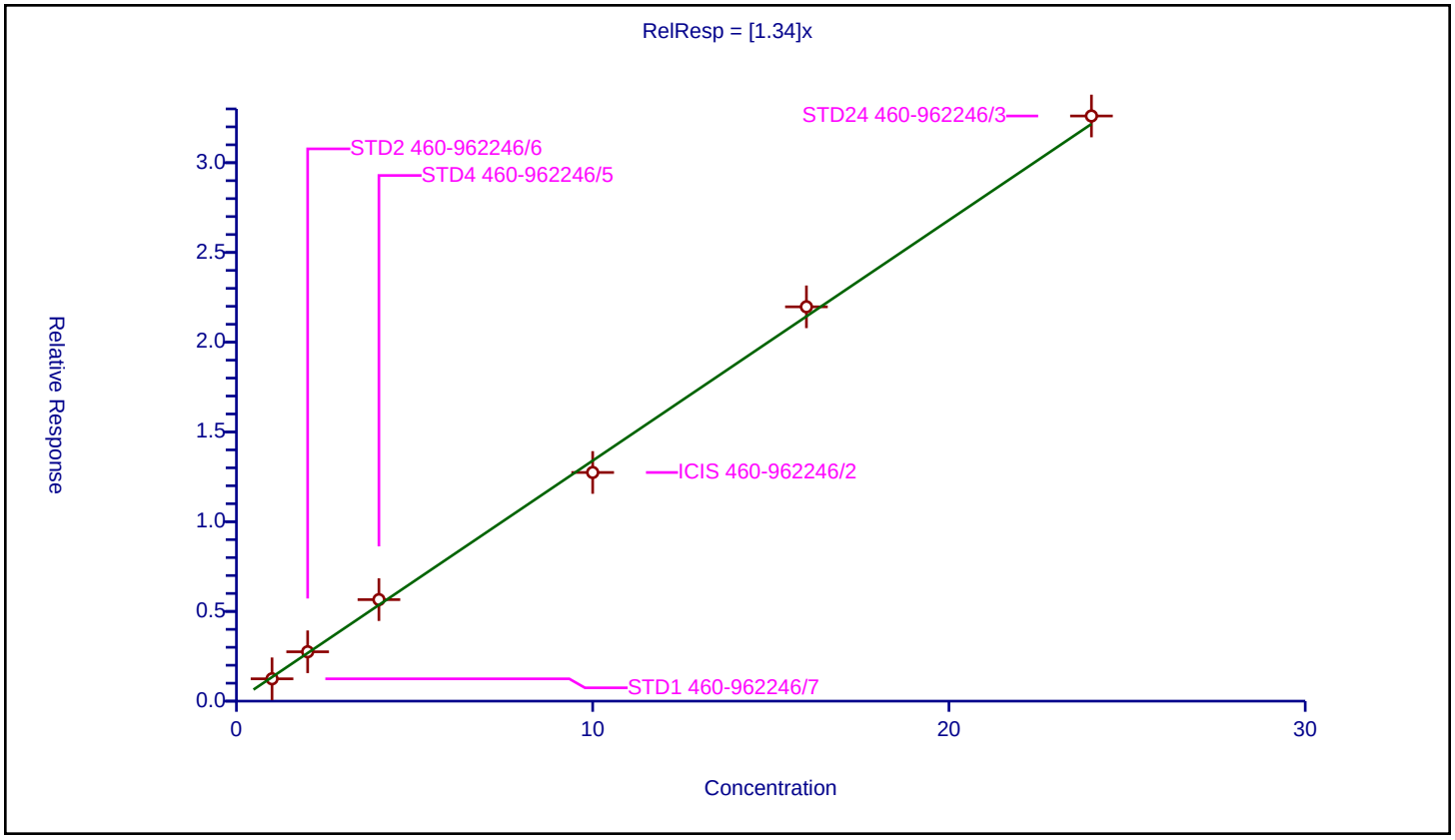
Curve Coefficients

Intercept:	0
Slope:	1.34

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.244741	8.0	364169.0	1.244741	Y
2	STD2 460-962246/6	2.0	2.750033	8.0	354643.0	1.375017	Y
3	STD4 460-962246/5	4.0	5.655925	8.0	360538.0	1.413981	Y
4	ICIS 460-962246/2	10.0	12.740982	8.0	379005.0	1.274098	Y
5	STD16 460-962246/4	16.0	21.971944	8.0	371686.0	1.373247	Y
6	STD24 460-962246/3	24.0	32.605464	8.0	341358.0	1.358561	Y



Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

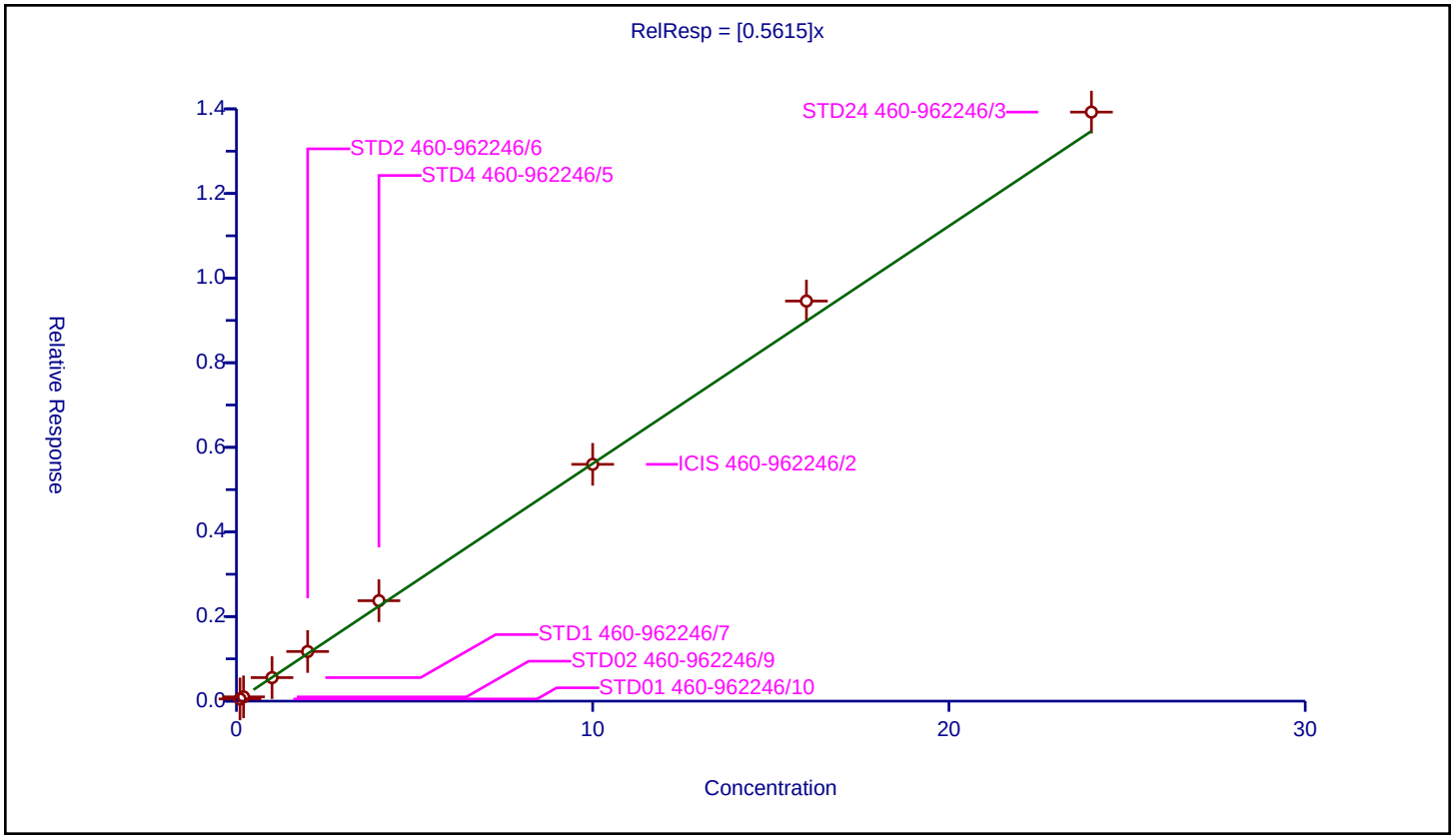
Curve Coefficients

Intercept:	0
Slope:	0.5615

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.051901	8.0	327241.0	0.519006	Y
2	STD02 460-962246/9	0.2	0.101134	8.0	374395.0	0.505669	Y
3	STD1 460-962246/7	1.0	0.556093	8.0	364169.0	0.556093	Y
4	STD2 460-962246/6	2.0	1.173304	8.0	354643.0	0.586652	Y
5	STD4 460-962246/5	4.0	2.374052	8.0	360538.0	0.593513	Y
6	ICIS 460-962246/2	10.0	5.598259	8.0	379005.0	0.559826	Y
7	STD16 460-962246/4	16.0	9.457424	8.0	371686.0	0.591089	Y
8	STD24 460-962246/3	24.0	13.92415	8.0	341358.0	0.580173	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

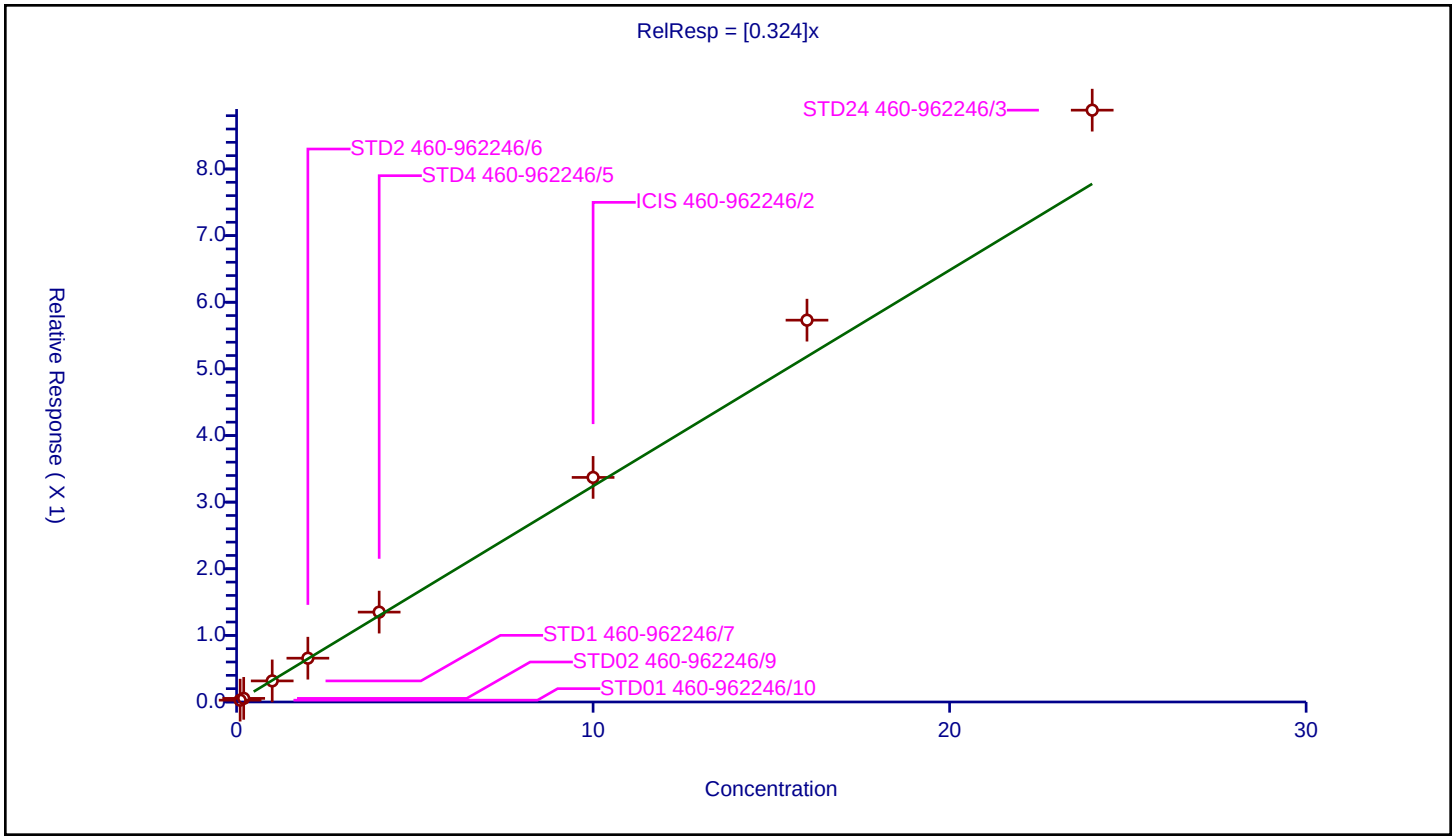
Curve Coefficients

Intercept:	0
Slope:	0.324

Error Coefficients

Relative Standard Deviation:	11.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.027356	8.0	1297280.0	0.273557	Y
2	STD02 460-962246/9	0.2	0.054212	8.0	1479519.0	0.271061	Y
3	STD1 460-962246/7	1.0	0.31625	8.0	1443569.0	0.31625	Y
4	STD2 460-962246/6	2.0	0.657551	8.0	1432430.0	0.328776	Y
5	STD4 460-962246/5	4.0	1.349081	8.0	1416775.0	0.33727	Y
6	ICIS 460-962246/2	10.0	3.370717	8.0	1505123.0	0.337072	Y
7	STD16 460-962246/4	16.0	5.730801	8.0	1458206.0	0.358175	Y
8	STD24 460-962246/3	24.0	8.882628	8.0	1358416.0	0.37011	Y



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Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

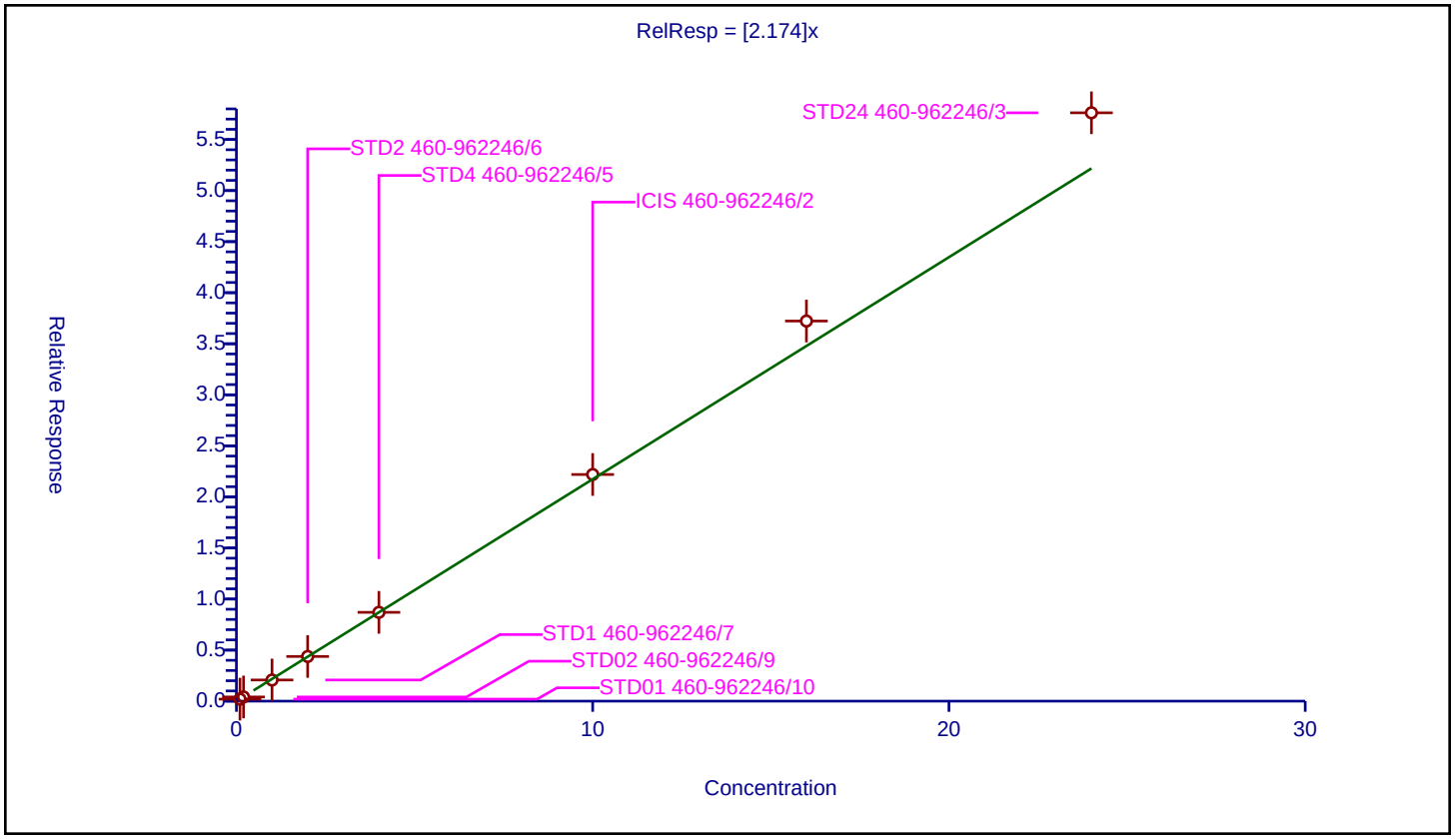
Curve Coefficients

Intercept:	0
Slope:	2.174

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.197212	8.0	327241.0	1.972125	Y
2	STD02 460-962246/9	0.2	0.407676	8.0	374395.0	2.038382	Y
3	STD1 460-962246/7	1.0	2.070995	8.0	364169.0	2.070995	Y
4	STD2 460-962246/6	2.0	4.375984	8.0	354643.0	2.187992	Y
5	STD4 460-962246/5	4.0	8.696204	8.0	360538.0	2.174051	Y
6	ICIS 460-962246/2	10.0	22.195844	8.0	379005.0	2.219584	Y
7	STD16 460-962246/4	16.0	37.224969	8.0	371686.0	2.326561	Y
8	STD24 460-962246/3	24.0	57.617352	8.0	341358.0	2.400723	Y



Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

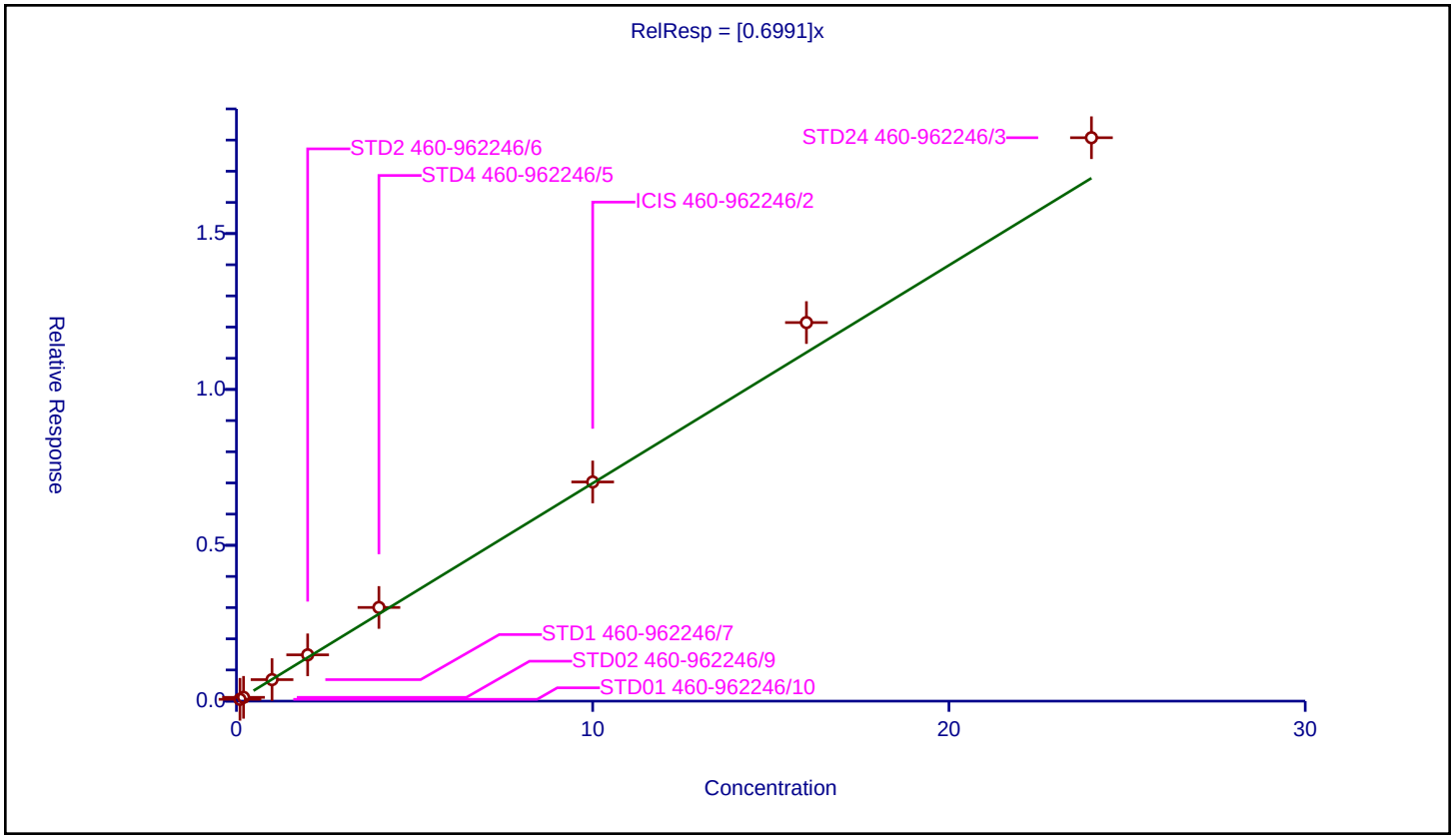
Curve Coefficients

Intercept:	0
Slope:	0.6991

Error Coefficients

Relative Standard Deviation:	9.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.058257	8.0	327241.0	0.582568	Y
2	STD02 460-962246/9	0.2	0.12216	8.0	374395.0	0.610799	Y
3	STD1 460-962246/7	1.0	0.690185	8.0	364169.0	0.690185	Y
4	STD2 460-962246/6	2.0	1.48537	8.0	354643.0	0.742685	Y
5	STD4 460-962246/5	4.0	3.00573	8.0	360538.0	0.751433	Y
6	ICIS 460-962246/2	10.0	7.031759	8.0	379005.0	0.703176	Y
7	STD16 460-962246/4	16.0	12.14537	8.0	371686.0	0.759086	Y
8	STD24 460-962246/3	24.0	18.075827	8.0	341358.0	0.753159	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

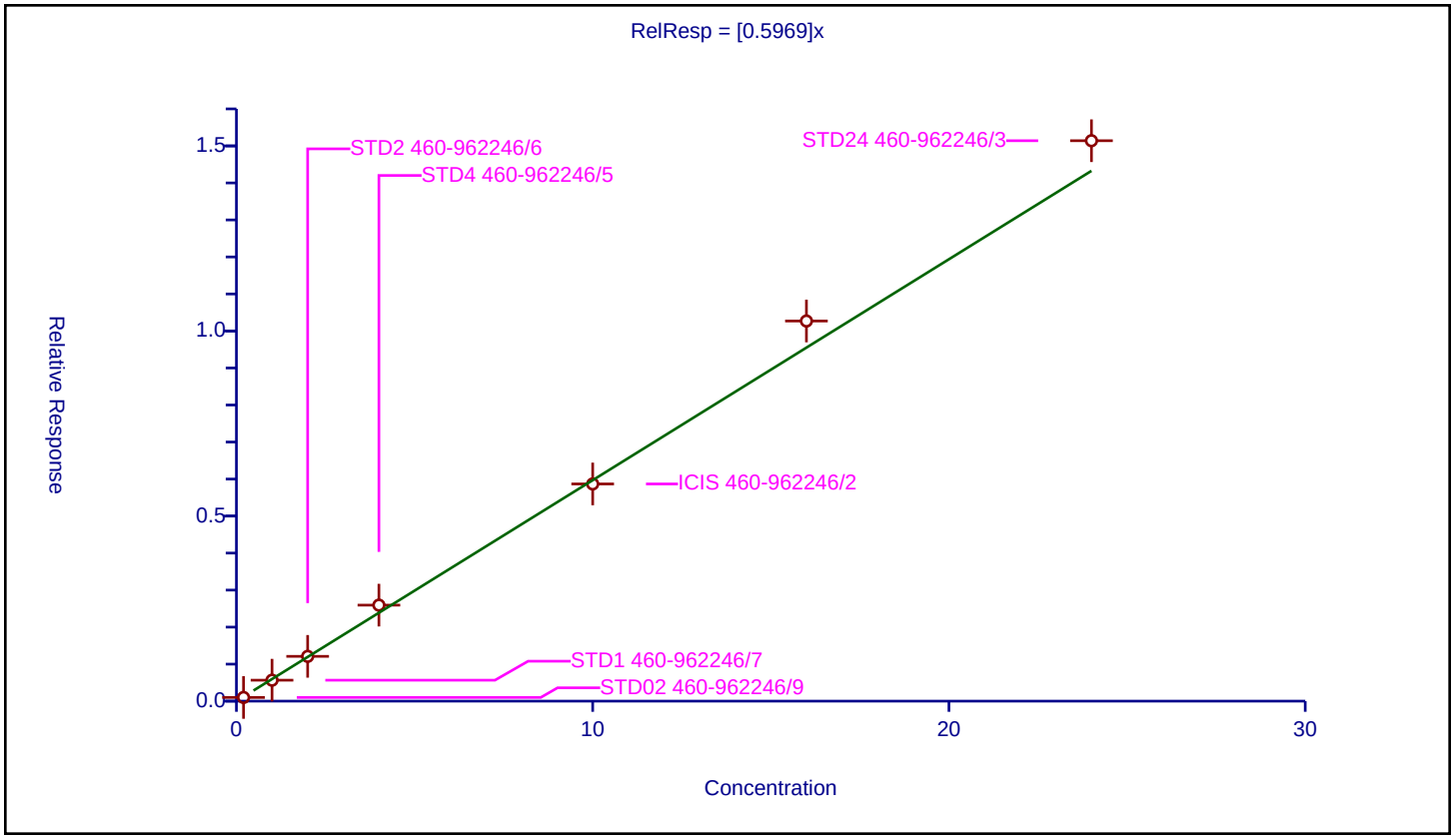
Curve Coefficients

Intercept:	0
Slope:	0.5969

Error Coefficients

Relative Standard Deviation:	8.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.099924	8.0	1479519.0	0.499622	Y
2	STD1 460-962246/7	1.0	0.56592	8.0	1443569.0	0.56592	Y
3	STD2 460-962246/6	2.0	1.20976	8.0	1432430.0	0.60488	Y
4	STD4 460-962246/5	4.0	2.593778	8.0	1416775.0	0.648445	Y
5	ICIS 460-962246/2	10.0	5.867358	8.0	1505123.0	0.586736	Y
6	STD16 460-962246/4	16.0	10.269556	8.0	1458206.0	0.641847	Y
7	STD24 460-962246/3	24.0	15.139804	8.0	1358416.0	0.630825	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

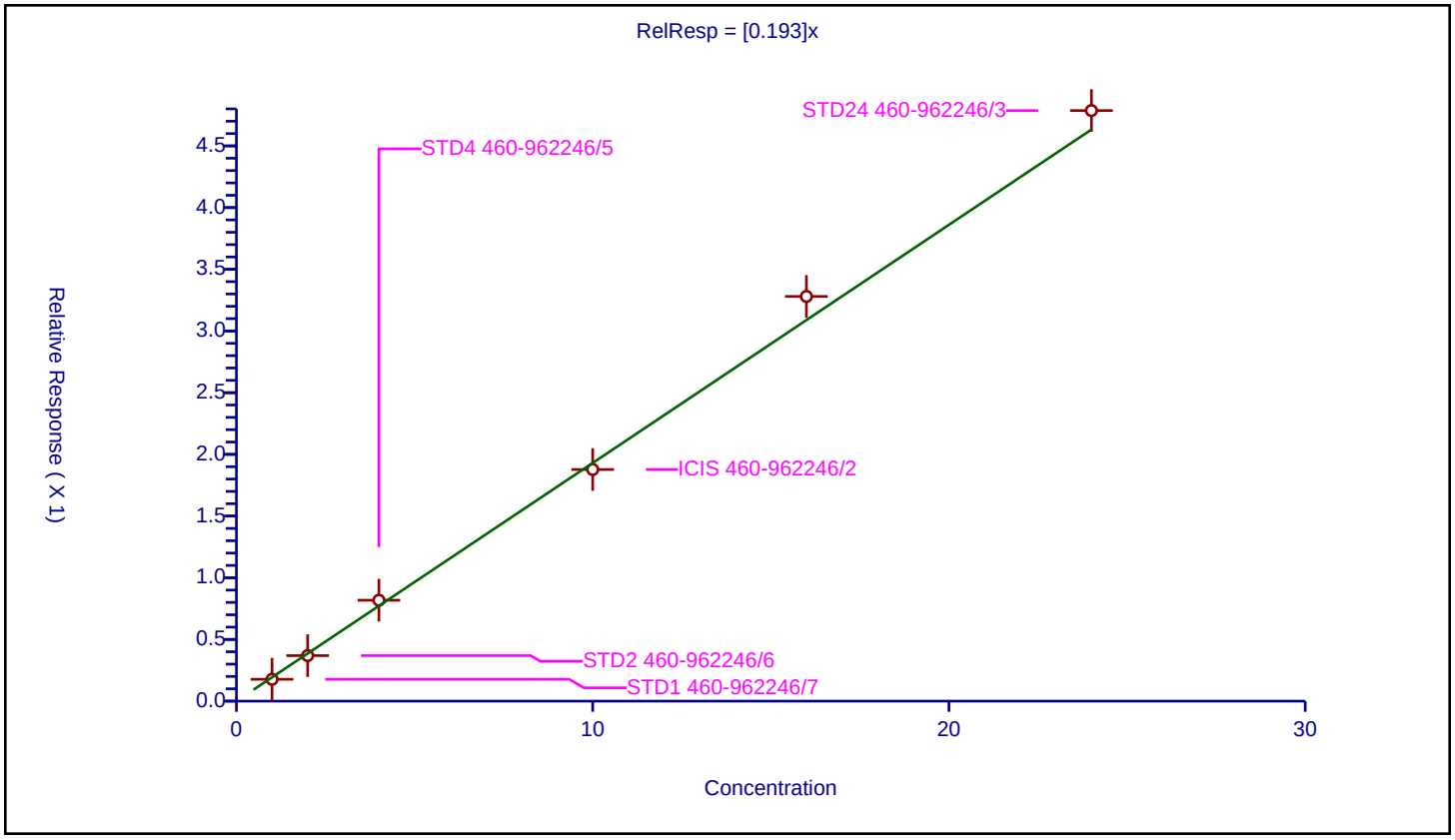
Curve Coefficients

Intercept:	0
Slope:	0.193

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.177061	8.0	1443569.0	0.177061	Y
2	STD2 460-962246/6	2.0	0.369029	8.0	1432430.0	0.184514	Y
3	STD4 460-962246/5	4.0	0.817705	8.0	1416775.0	0.204426	Y
4	ICIS 460-962246/2	10.0	1.877215	8.0	1505123.0	0.187722	Y
5	STD16 460-962246/4	16.0	3.27986	8.0	1458206.0	0.204991	Y
6	STD24 460-962246/3	24.0	4.786398	8.0	1358416.0	0.199433	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

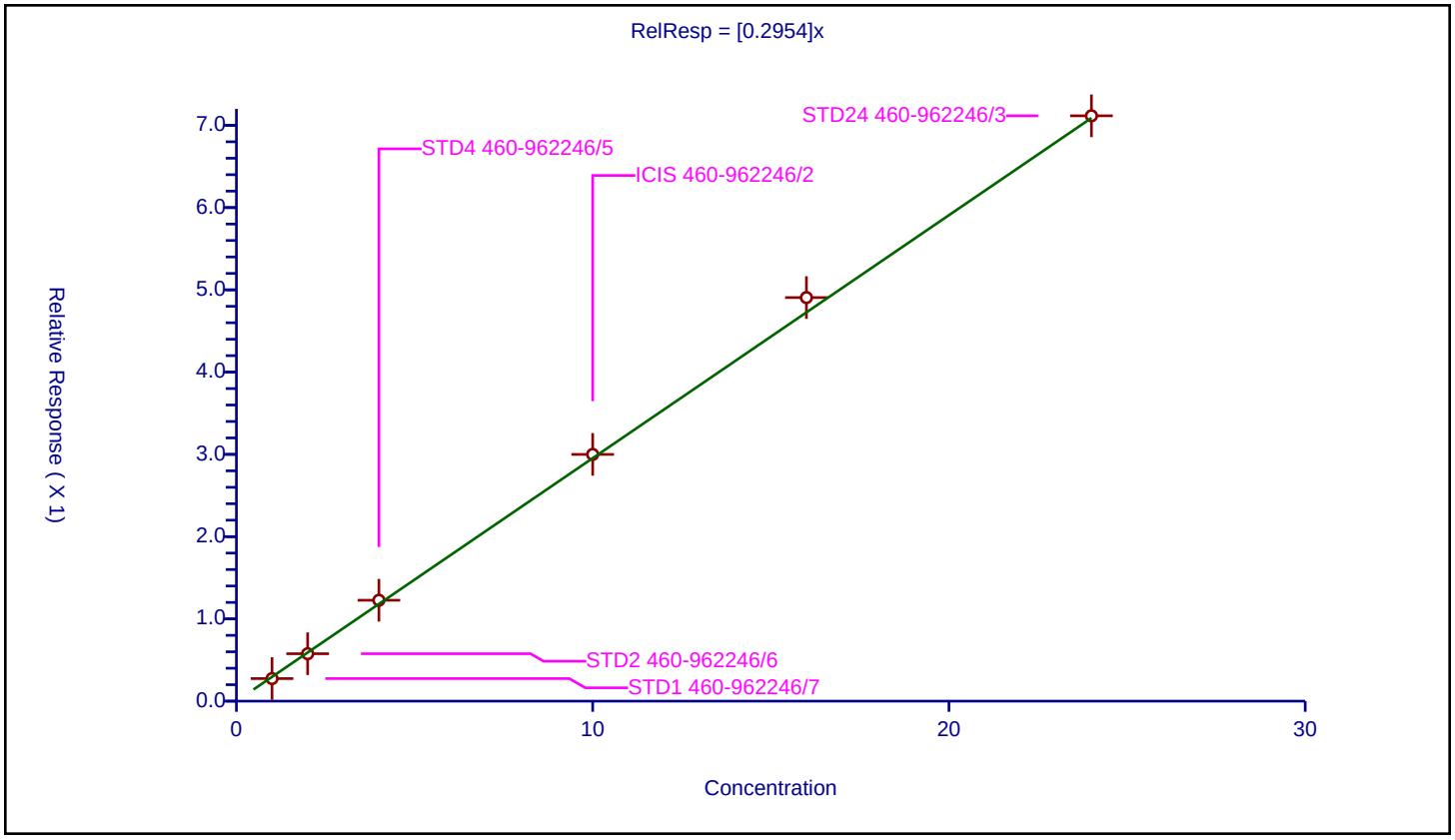
Curve Coefficients

Intercept:	0
Slope:	0.2954

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.274398	8.0	1443569.0	0.274398	Y
2	STD2 460-962246/6	2.0	0.576402	8.0	1432430.0	0.288201	Y
3	STD4 460-962246/5	4.0	1.226549	8.0	1416775.0	0.306637	Y
4	ICIS 460-962246/2	10.0	2.999319	8.0	1505123.0	0.299932	Y
5	STD16 460-962246/4	16.0	4.906094	8.0	1458206.0	0.306631	Y
6	STD24 460-962246/3	24.0	7.115658	8.0	1358416.0	0.296486	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

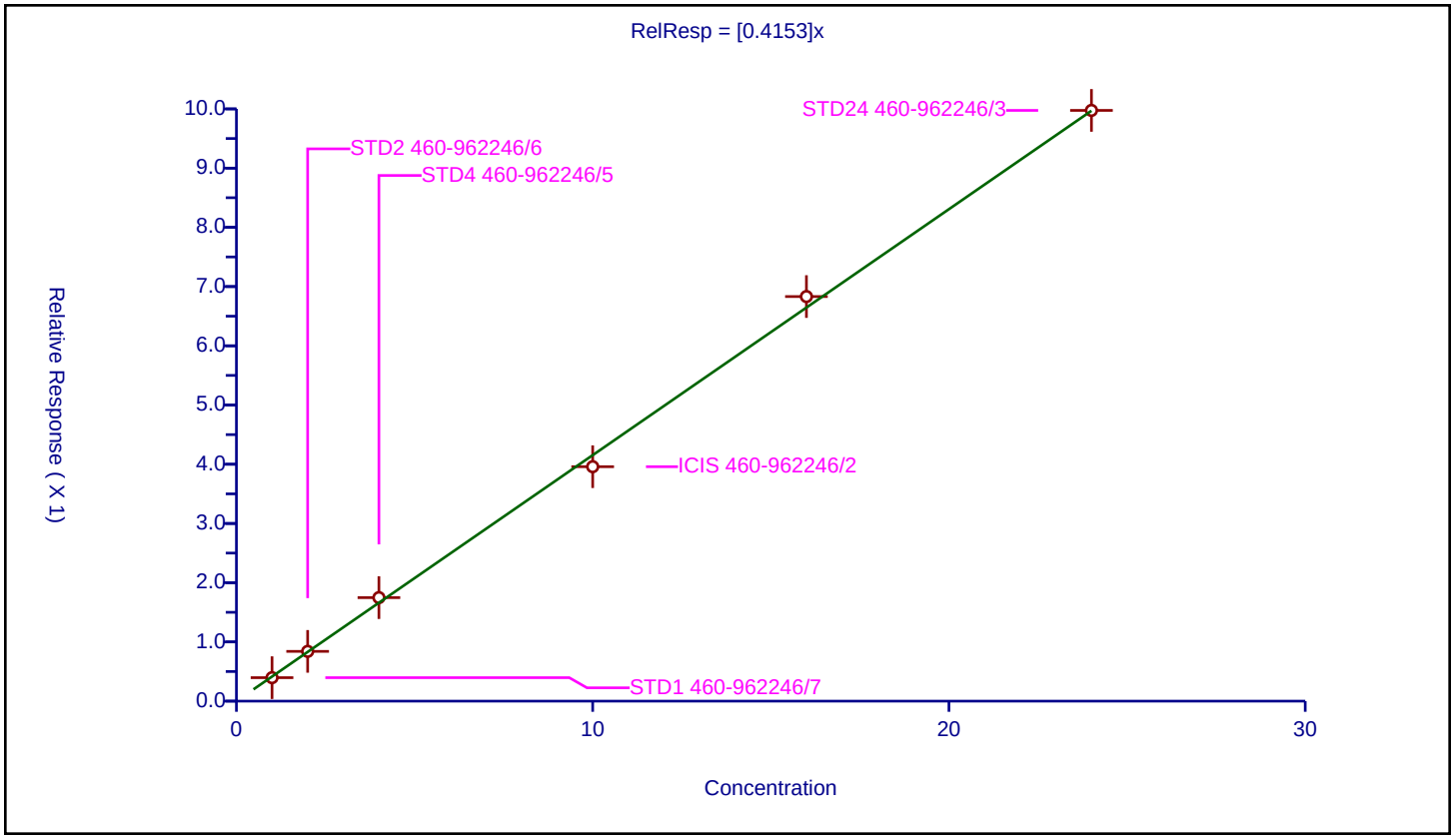
Curve Coefficients

Intercept:	0
Slope:	0.4153

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.396373	8.0	1443569.0	0.396373	Y
2	STD2 460-962246/6	2.0	0.840463	8.0	1432430.0	0.420231	Y
3	STD4 460-962246/5	4.0	1.747891	8.0	1416775.0	0.436973	Y
4	ICIS 460-962246/2	10.0	3.958656	8.0	1505123.0	0.395866	Y
5	STD16 460-962246/4	16.0	6.831441	8.0	1458206.0	0.426965	Y
6	STD24 460-962246/3	24.0	9.974276	8.0	1358416.0	0.415595	Y



Calibration / Benzoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

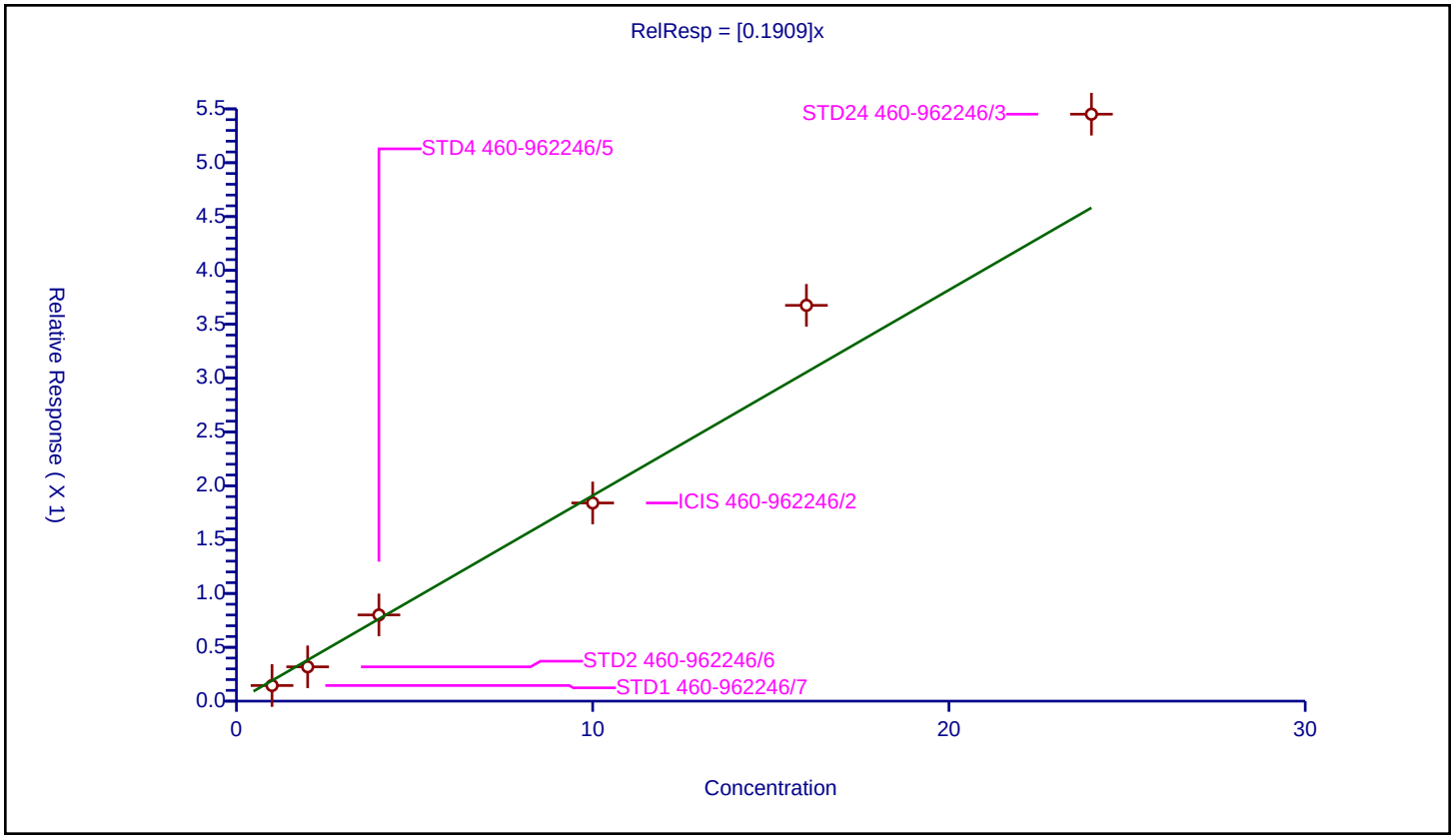
Curve Coefficients

Intercept:	0
Slope:	0.1909

Error Coefficients

Relative Standard Deviation:	18.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.145146	8.0	1443569.0	0.145146	Y
2	STD2 460-962246/6	2.0	0.318653	8.0	1432430.0	0.159326	Y
3	STD4 460-962246/5	4.0	0.800404	8.0	1416775.0	0.200101	Y
4	ICIS 460-962246/2	10.0	1.840317	8.0	1505123.0	0.184032	Y
5	STD16 460-962246/4	16.0	3.675525	8.0	1458206.0	0.22972	Y
6	STD24 460-962246/3	24.0	5.450961	8.0	1358416.0	0.227123	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

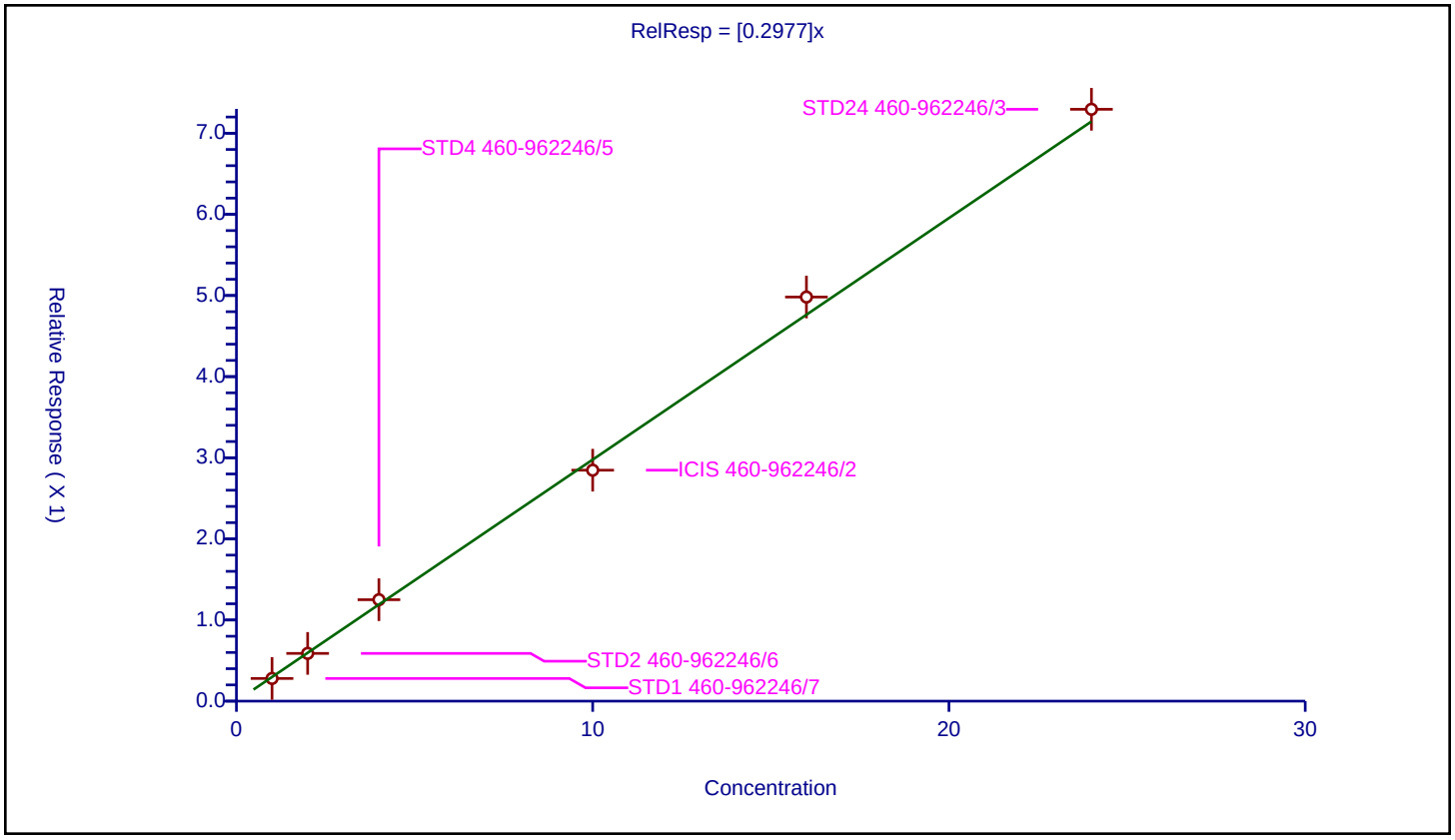
Curve Coefficients

Intercept:	0
Slope:	0.2977

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.27938	8.0	1443569.0	0.27938	Y
2	STD2 460-962246/6	2.0	0.588605	8.0	1432430.0	0.294303	Y
3	STD4 460-962246/5	4.0	1.250197	8.0	1416775.0	0.312549	Y
4	ICIS 460-962246/2	10.0	2.846672	8.0	1505123.0	0.284667	Y
5	STD16 460-962246/4	16.0	4.98109	8.0	1458206.0	0.311318	Y
6	STD24 460-962246/3	24.0	7.295226	8.0	1358416.0	0.303968	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

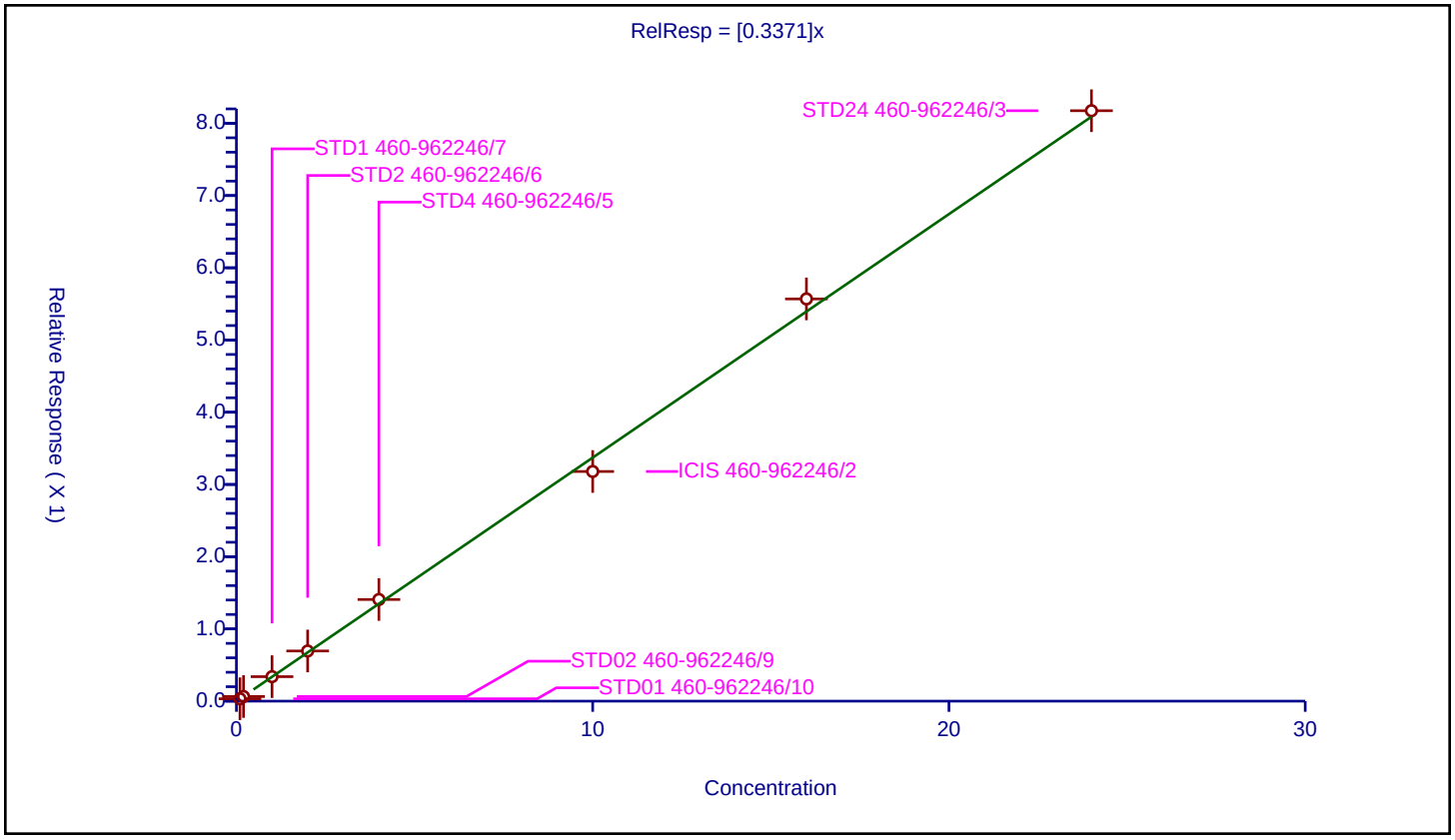
Curve Coefficients

Intercept:	0
Slope:	0.3371

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.033171	8.0	1297280.0	0.331709	Y
2	STD02 460-962246/9	0.2	0.064151	8.0	1479519.0	0.320753	Y
3	STD1 460-962246/7	1.0	0.33896	8.0	1443569.0	0.33896	Y
4	STD2 460-962246/6	2.0	0.694406	8.0	1432430.0	0.347203	Y
5	STD4 460-962246/5	4.0	1.407569	8.0	1416775.0	0.351892	Y
6	ICIS 460-962246/2	10.0	3.179541	8.0	1505123.0	0.317954	Y
7	STD16 460-962246/4	16.0	5.568832	8.0	1458206.0	0.348052	Y
8	STD24 460-962246/3	24.0	8.174397	8.0	1358416.0	0.3406	Y



Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

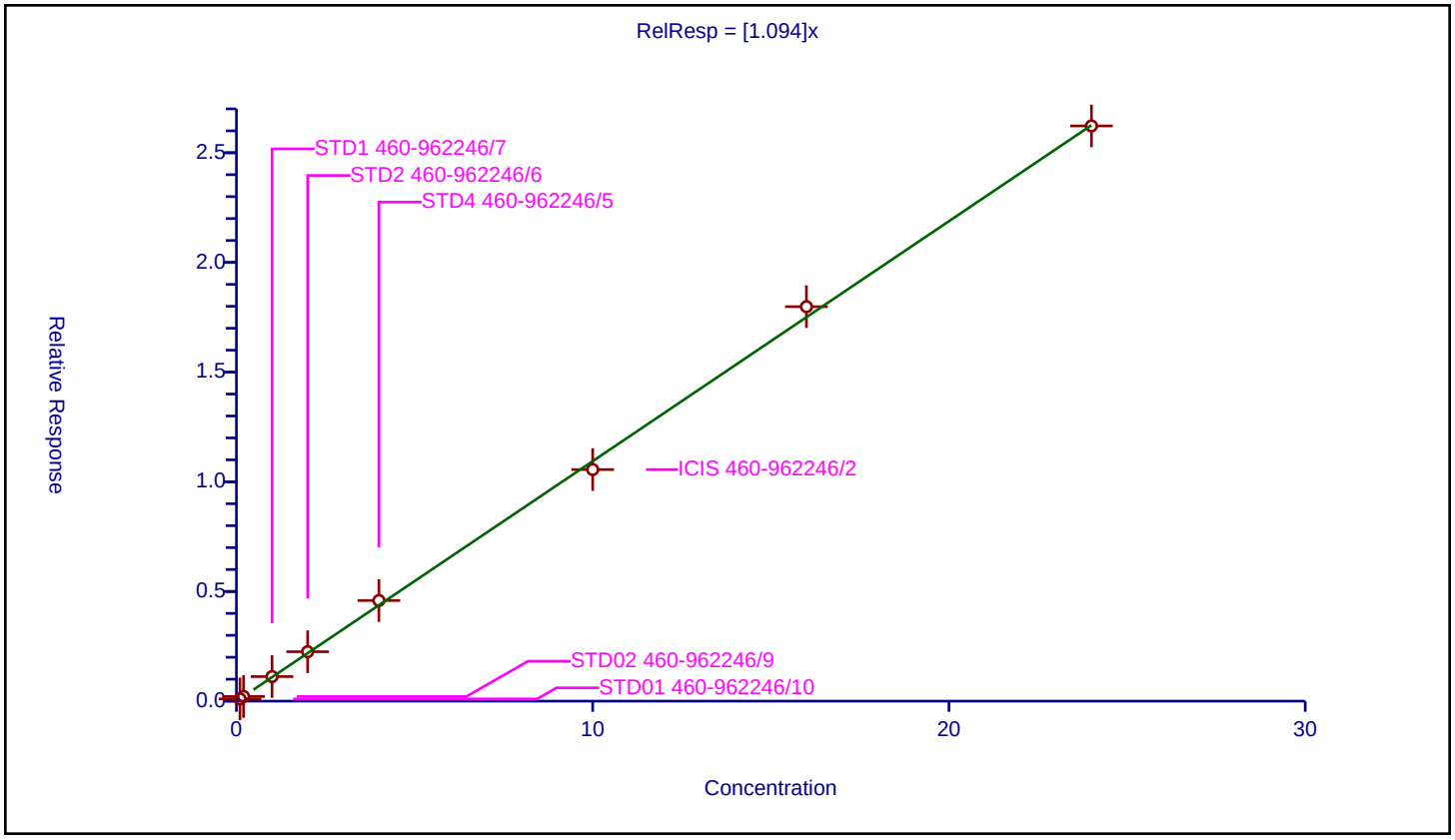
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.102331	8.0	1297280.0	1.02331	Y
2	STD02 460-962246/9	0.2	0.212523	8.0	1479519.0	1.062616	Y
3	STD1 460-962246/7	1.0	1.120285	8.0	1443569.0	1.120285	Y
4	STD2 460-962246/6	2.0	2.252508	8.0	1432430.0	1.126254	Y
5	STD4 460-962246/5	4.0	4.588274	8.0	1416775.0	1.147069	Y
6	ICIS 460-962246/2	10.0	10.557165	8.0	1505123.0	1.055717	Y
7	STD16 460-962246/4	16.0	17.982633	8.0	1458206.0	1.123915	Y
8	STD24 460-962246/3	24.0	26.222412	8.0	1358416.0	1.0926	Y



Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

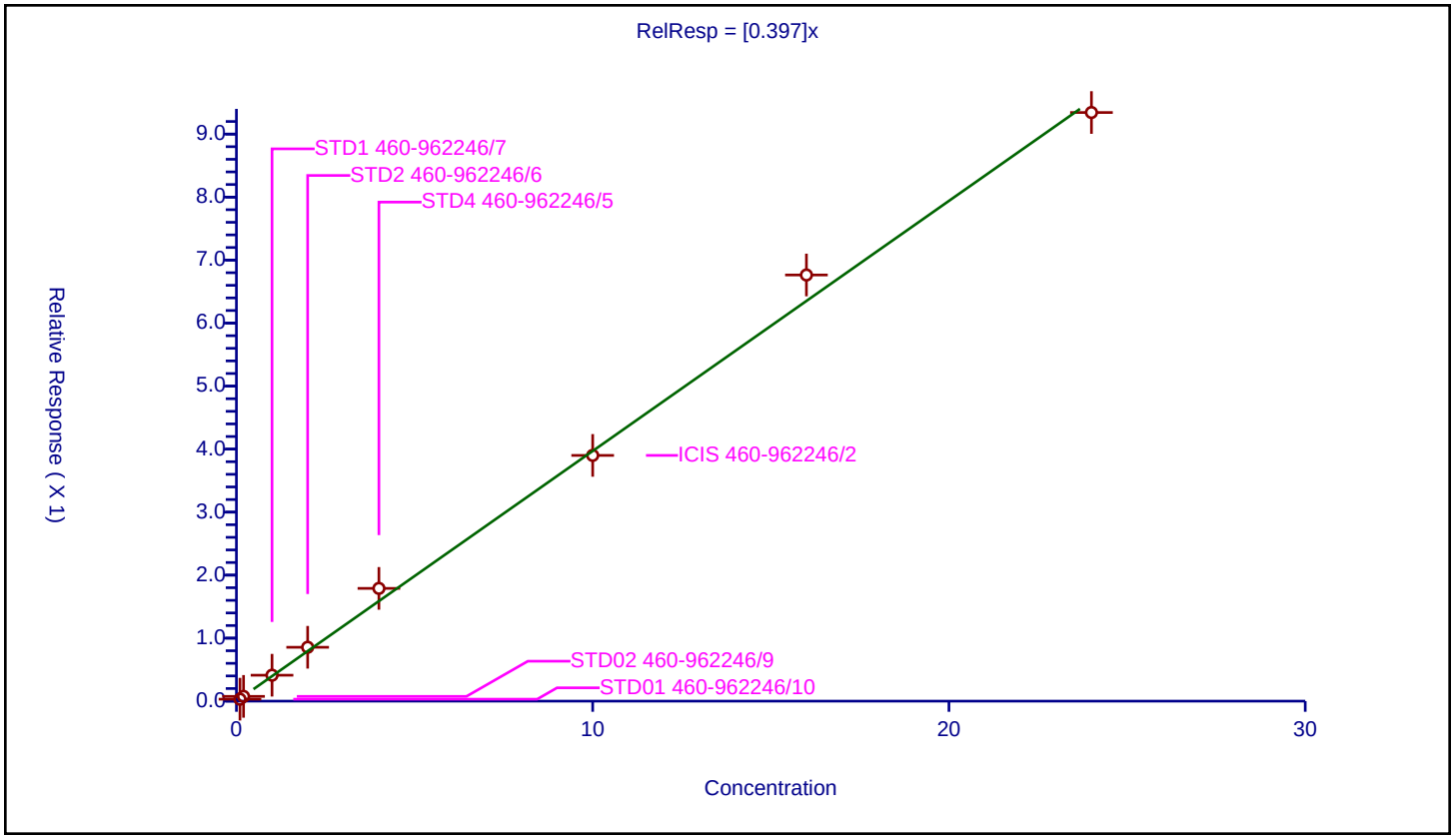
Curve Coefficients

Intercept:	0
Slope:	0.397

Error Coefficients

Relative Standard Deviation:	10.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.031006	8.0	1297280.0	0.310064	Y
2	STD02 460-962246/9	0.2	0.075446	8.0	1479519.0	0.377231	Y
3	STD1 460-962246/7	1.0	0.41158	8.0	1443569.0	0.41158	Y
4	STD2 460-962246/6	2.0	0.855157	8.0	1432430.0	0.427578	Y
5	STD4 460-962246/5	4.0	1.789427	8.0	1416775.0	0.447357	Y
6	ICIS 460-962246/2	10.0	3.900343	8.0	1505123.0	0.390034	Y
7	STD16 460-962246/4	16.0	6.763681	8.0	1458206.0	0.42273	Y
8	STD24 460-962246/3	24.0	9.34254	8.0	1358416.0	0.389273	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

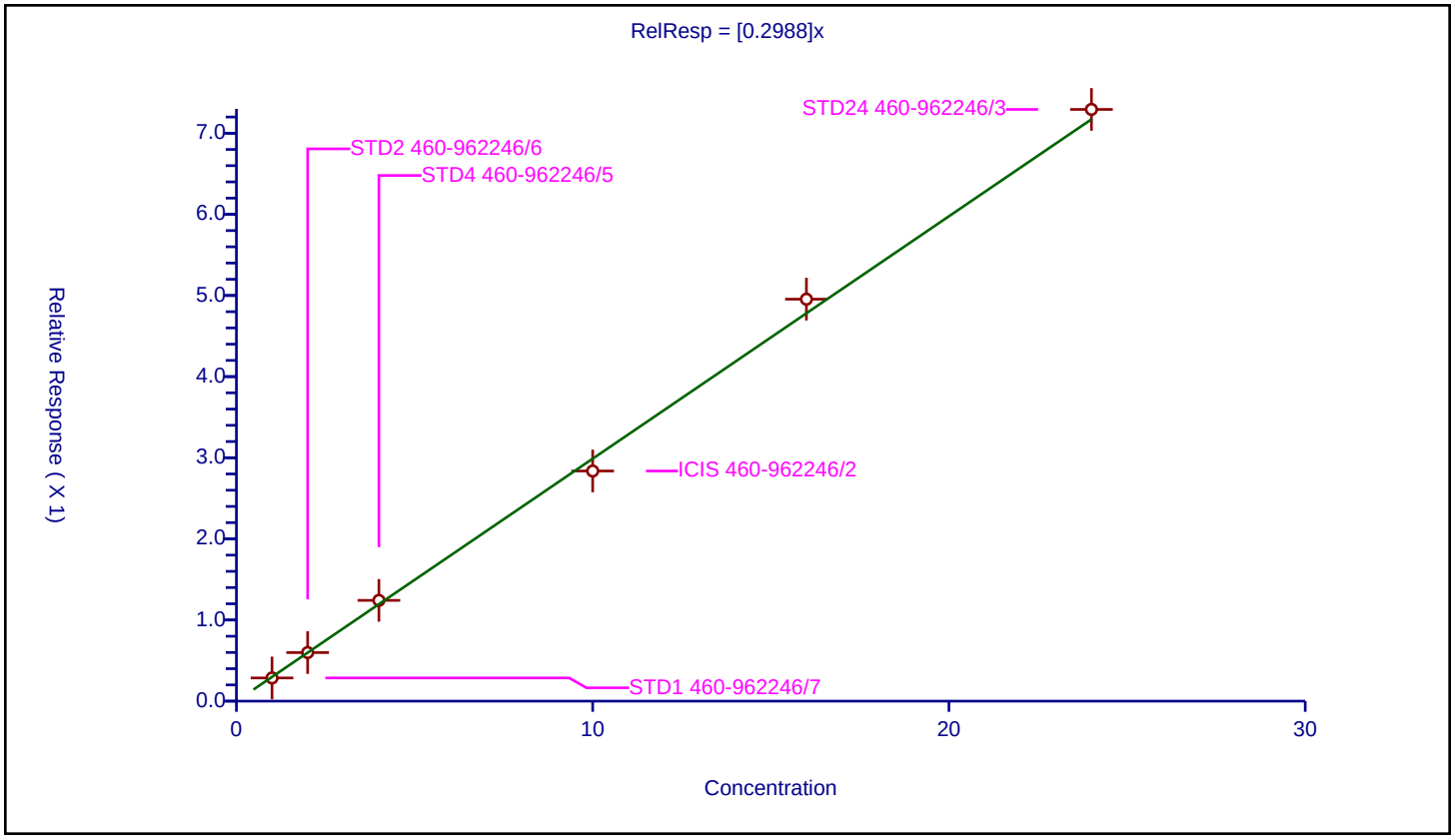
Curve Coefficients

Intercept:	0
Slope:	0.2988

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.285875	8.0	1443569.0	0.285875	Y
2	STD2 460-962246/6	2.0	0.598614	8.0	1432430.0	0.299307	Y
3	STD4 460-962246/5	4.0	1.242128	8.0	1416775.0	0.310532	Y
4	ICIS 460-962246/2	10.0	2.836712	8.0	1505123.0	0.283671	Y
5	STD16 460-962246/4	16.0	4.954537	8.0	1458206.0	0.309659	Y
6	STD24 460-962246/3	24.0	7.293295	8.0	1358416.0	0.303887	Y



Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

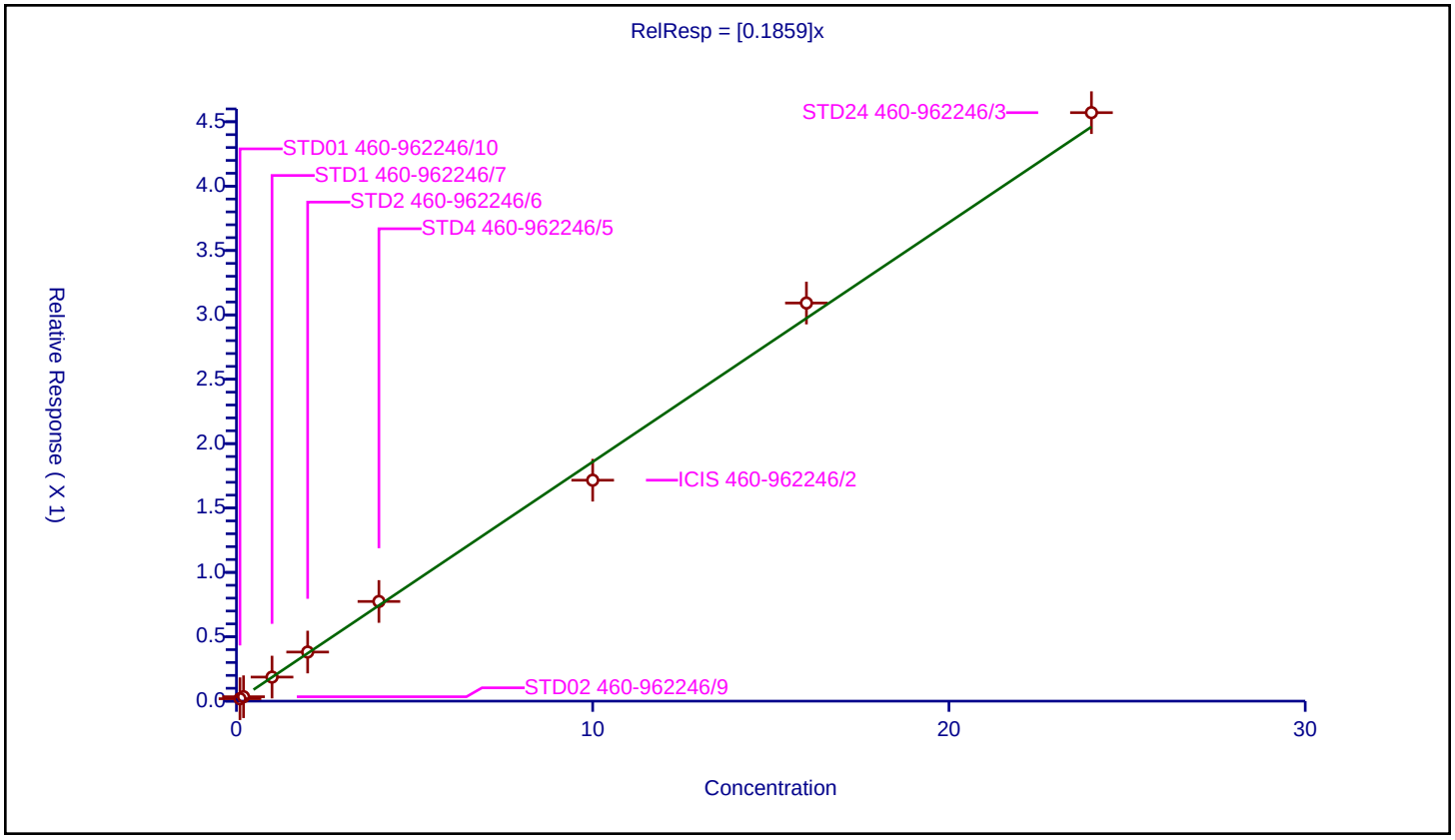
Curve Coefficients

Intercept:	0
Slope:	0.1859

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.01892	8.0	1297280.0	0.189196	Y
2	STD02 460-962246/9	0.2	0.034281	8.0	1479519.0	0.171407	Y
3	STD1 460-962246/7	1.0	0.186842	8.0	1443569.0	0.186842	Y
4	STD2 460-962246/6	2.0	0.381277	8.0	1432430.0	0.190638	Y
5	STD4 460-962246/5	4.0	0.774192	8.0	1416775.0	0.193548	Y
6	ICIS 460-962246/2	10.0	1.716022	8.0	1505123.0	0.171602	Y
7	STD16 460-962246/4	16.0	3.092057	8.0	1458206.0	0.193254	Y
8	STD24 460-962246/3	24.0	4.570906	8.0	1358416.0	0.190454	Y



Calibration / Caprolactam

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

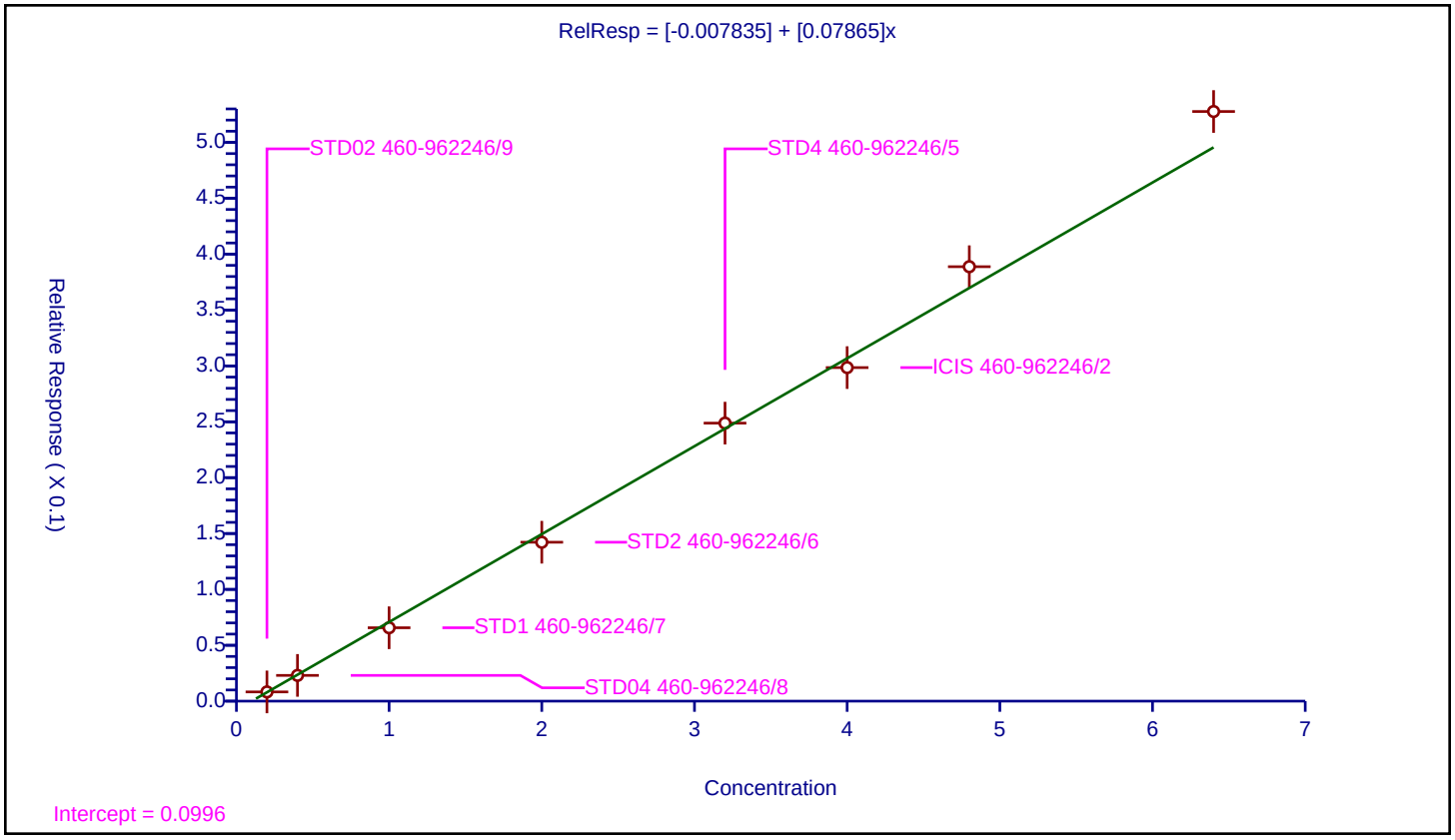
Curve Coefficients

Intercept:	-0.007835
Slope:	0.07865

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.008262	8.0	1479519.0	0.041311	Y
2	STD04 460-962246/8	0.4	0.023024	8.0	1440560.0	0.057561	Y
3	STD1 460-962246/7	1.0	0.065676	8.0	1443569.0	0.065676	Y
4	STD2 460-962246/6	2.0	0.142198	8.0	1432430.0	0.071099	Y
5	STD4 460-962246/5	3.2	0.248796	8.0	1416775.0	0.077749	Y
6	ICIS 460-962246/2	4.0	0.298485	8.0	1505123.0	0.074621	Y
7	STD16 460-962246/4	4.8	0.388774	8.0	1458206.0	0.080995	Y
8	STD24 460-962246/3	6.4	0.527656	8.0	1358416.0	0.082446	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

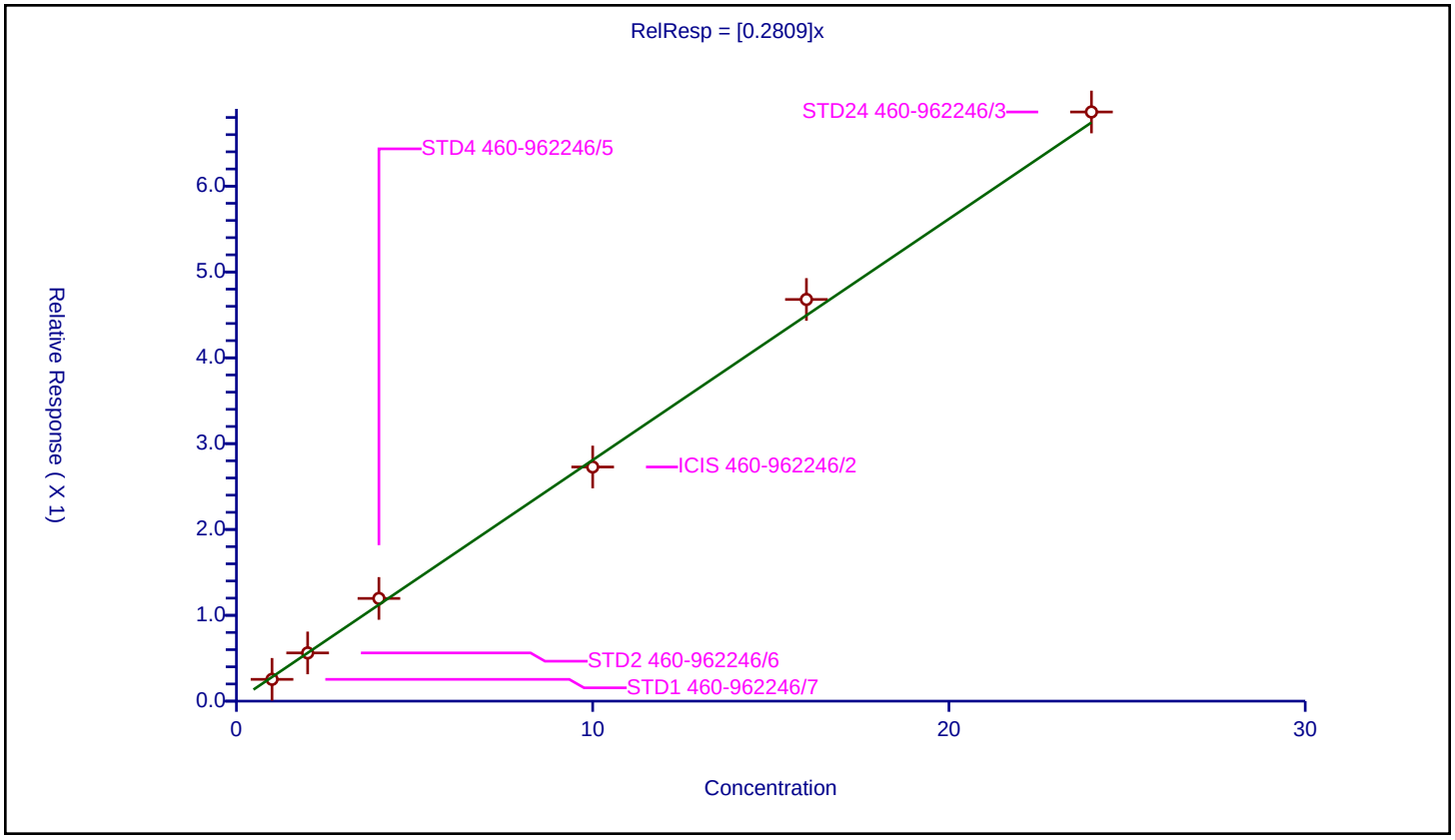
Curve Coefficients

Intercept:	0
Slope:	0.2809

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.253993	8.0	1443569.0	0.253993	Y
2	STD2 460-962246/6	2.0	0.561708	8.0	1432430.0	0.280854	Y
3	STD4 460-962246/5	4.0	1.19682	8.0	1416775.0	0.299205	Y
4	ICIS 460-962246/2	10.0	2.727905	8.0	1505123.0	0.27279	Y
5	STD16 460-962246/4	16.0	4.679871	8.0	1458206.0	0.292492	Y
6	STD24 460-962246/3	24.0	6.864118	8.0	1358416.0	0.286005	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

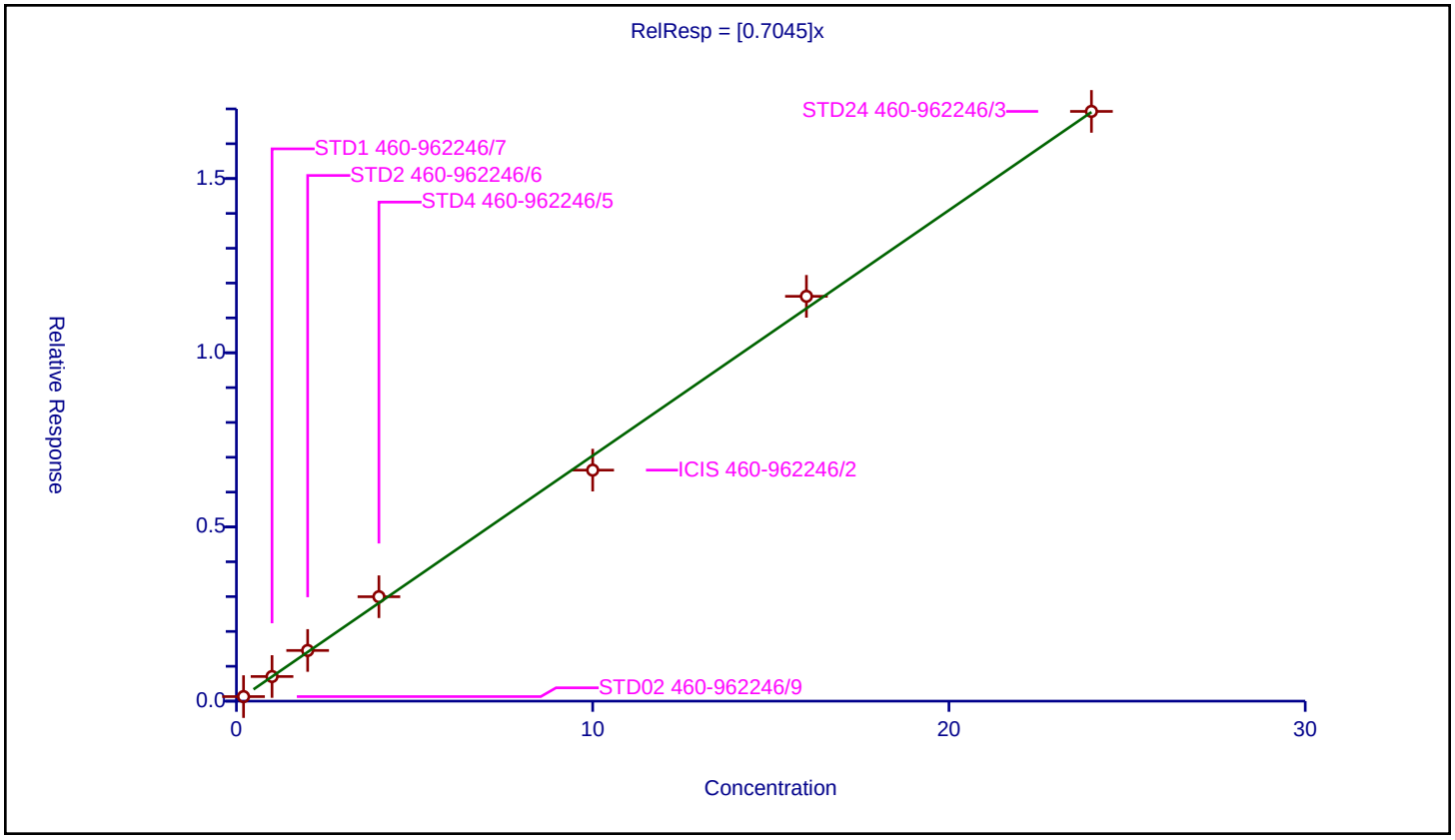
Curve Coefficients

Intercept:	0
Slope:	0.7045

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.130669	8.0	1479519.0	0.653347	Y
2	STD1 460-962246/7	1.0	0.706976	8.0	1443569.0	0.706976	Y
3	STD2 460-962246/6	2.0	1.454669	8.0	1432430.0	0.727335	Y
4	STD4 460-962246/5	4.0	2.997489	8.0	1416775.0	0.749372	Y
5	ICIS 460-962246/2	10.0	6.630905	8.0	1505123.0	0.663091	Y
6	STD16 460-962246/4	16.0	11.620416	8.0	1458206.0	0.726276	Y
7	STD24 460-962246/3	24.0	16.928328	8.0	1358416.0	0.705347	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

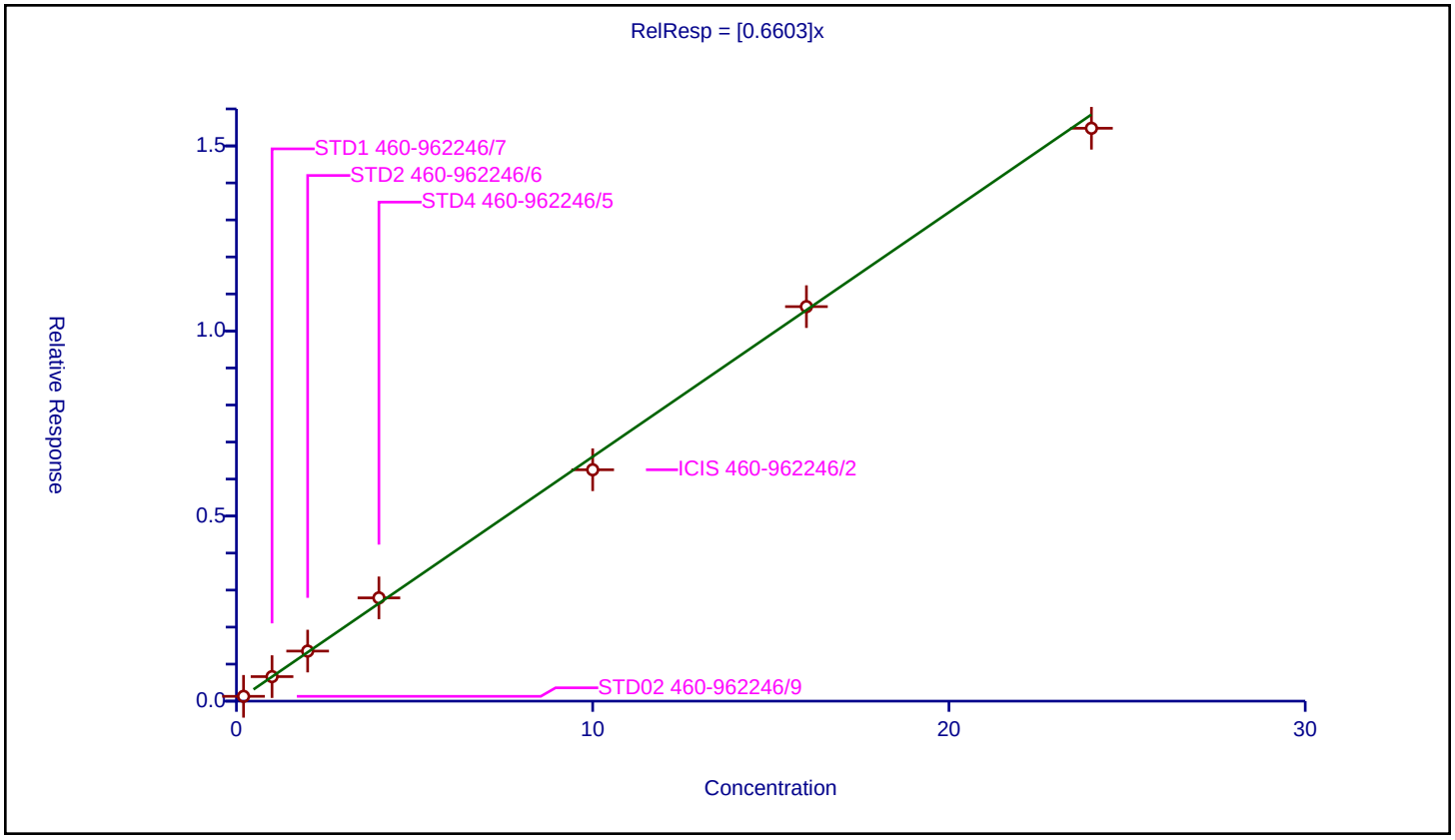
Curve Coefficients

Intercept:	0
Slope:	0.6603

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.129972	8.0	1479519.0	0.64986	Y
2	STD1 460-962246/7	1.0	0.662486	8.0	1443569.0	0.662486	Y
3	STD2 460-962246/6	2.0	1.352376	8.0	1432430.0	0.676188	Y
4	STD4 460-962246/5	4.0	2.790094	8.0	1416775.0	0.697524	Y
5	ICIS 460-962246/2	10.0	6.250859	8.0	1505123.0	0.625086	Y
6	STD16 460-962246/4	16.0	10.658286	8.0	1458206.0	0.666143	Y
7	STD24 460-962246/3	24.0	15.476826	8.0	1358416.0	0.644868	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

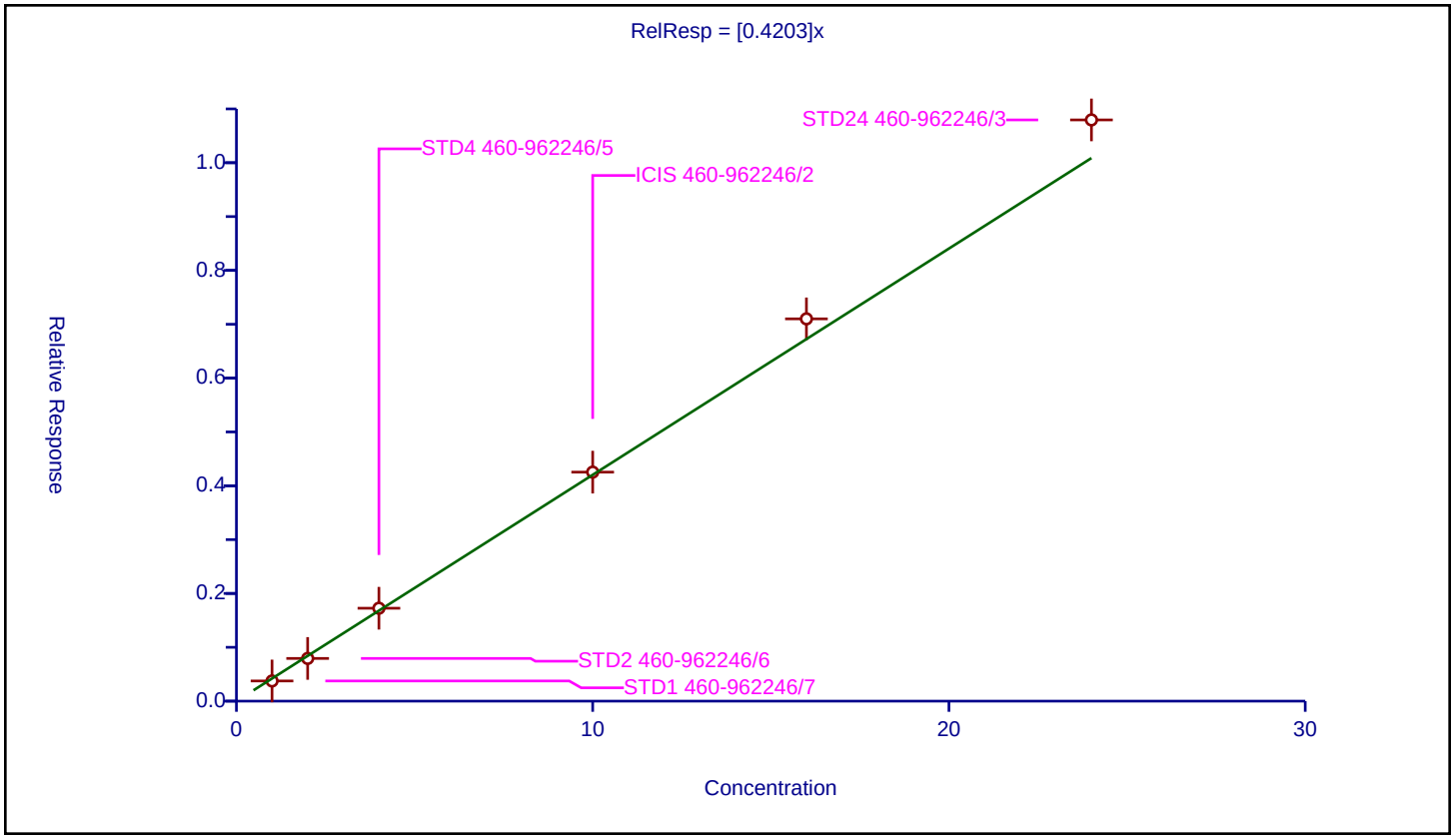
Curve Coefficients

Intercept:	0
Slope:	0.4203

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.374712	8.0	787507.0	0.374712	Y
2	STD2 460-962246/6	2.0	0.793102	8.0	773076.0	0.396551	Y
3	STD4 460-962246/5	4.0	1.725913	8.0	758977.0	0.431478	Y
4	ICIS 460-962246/2	10.0	4.253717	8.0	782399.0	0.425372	Y
5	STD16 460-962246/4	16.0	7.100501	8.0	757275.0	0.443781	Y
6	STD24 460-962246/3	24.0	10.795418	8.0	704427.0	0.449809	Y



Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

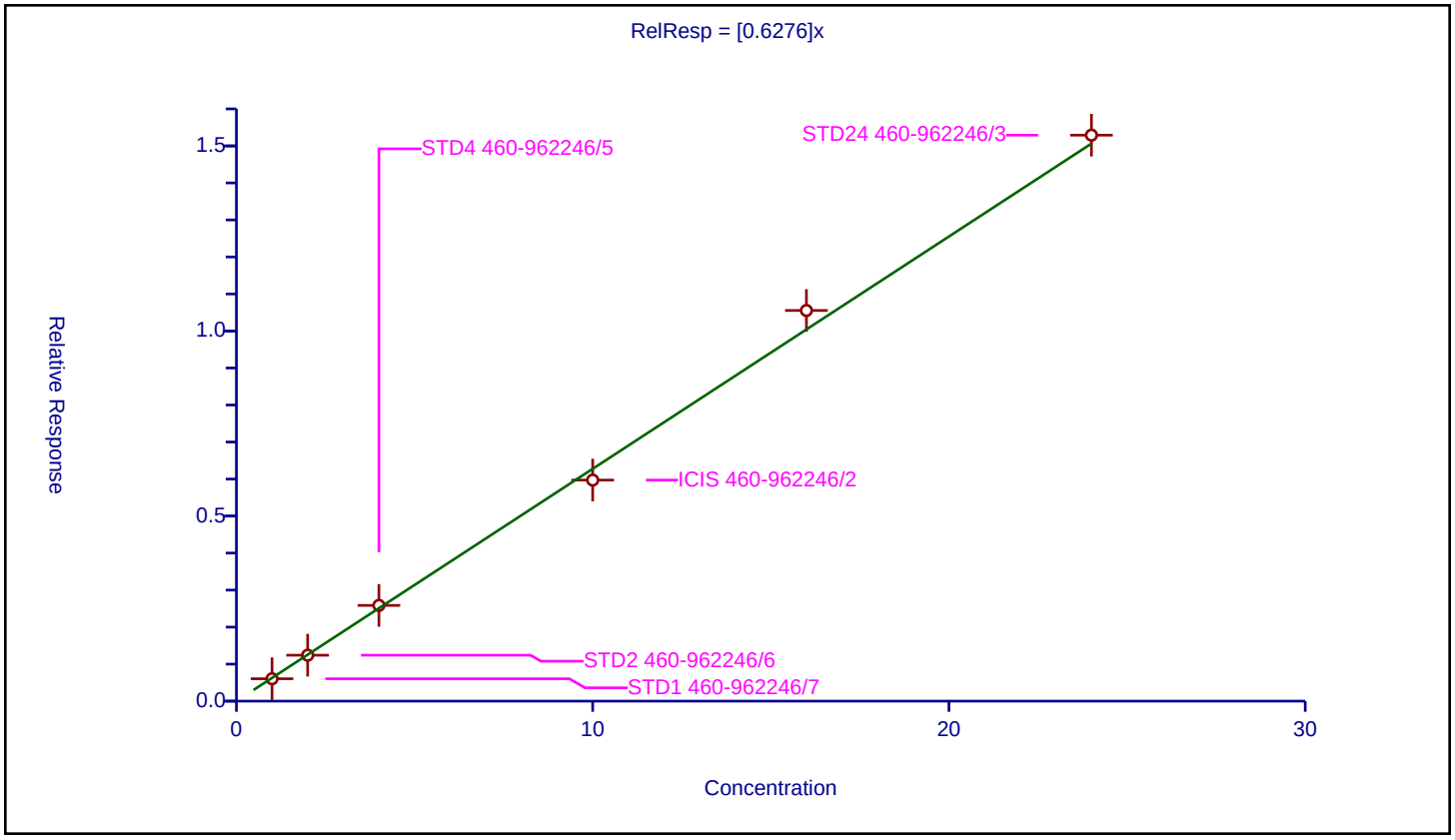
Curve Coefficients

Intercept:	0
Slope:	0.6276

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.604652	8.0	787507.0	0.604652	Y
2	STD2 460-962246/6	2.0	1.241016	8.0	773076.0	0.620508	Y
3	STD4 460-962246/5	4.0	2.586429	8.0	758977.0	0.646607	Y
4	ICIS 460-962246/2	10.0	5.971991	8.0	782399.0	0.597199	Y
5	STD16 460-962246/4	16.0	10.553683	8.0	757275.0	0.659605	Y
6	STD24 460-962246/3	24.0	15.290817	8.0	704427.0	0.637117	Y



Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

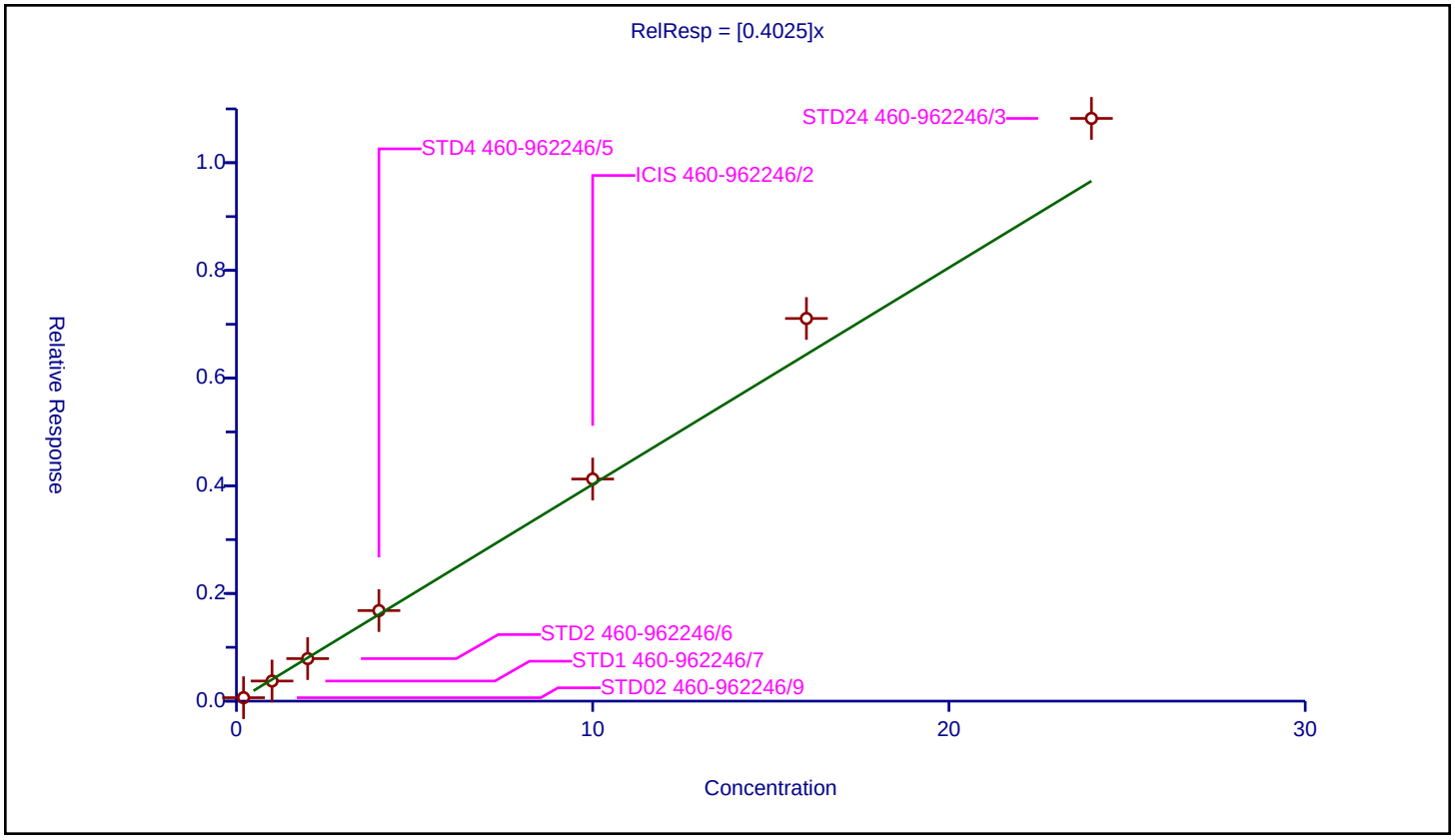
Curve Coefficients

Intercept:	0
Slope:	0.4025

Error Coefficients

Relative Standard Deviation:	11.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.064129	8.0	1479519.0	0.320645	Y
2	STD1 460-962246/7	1.0	0.373956	8.0	1443569.0	0.373956	Y
3	STD2 460-962246/6	2.0	0.789685	8.0	1432430.0	0.394842	Y
4	STD4 460-962246/5	4.0	1.681938	8.0	1416775.0	0.420485	Y
5	ICIS 460-962246/2	10.0	4.125398	8.0	1505123.0	0.41254	Y
6	STD16 460-962246/4	16.0	7.107155	8.0	1458206.0	0.444197	Y
7	STD24 460-962246/3	24.0	10.823388	8.0	1358416.0	0.450975	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

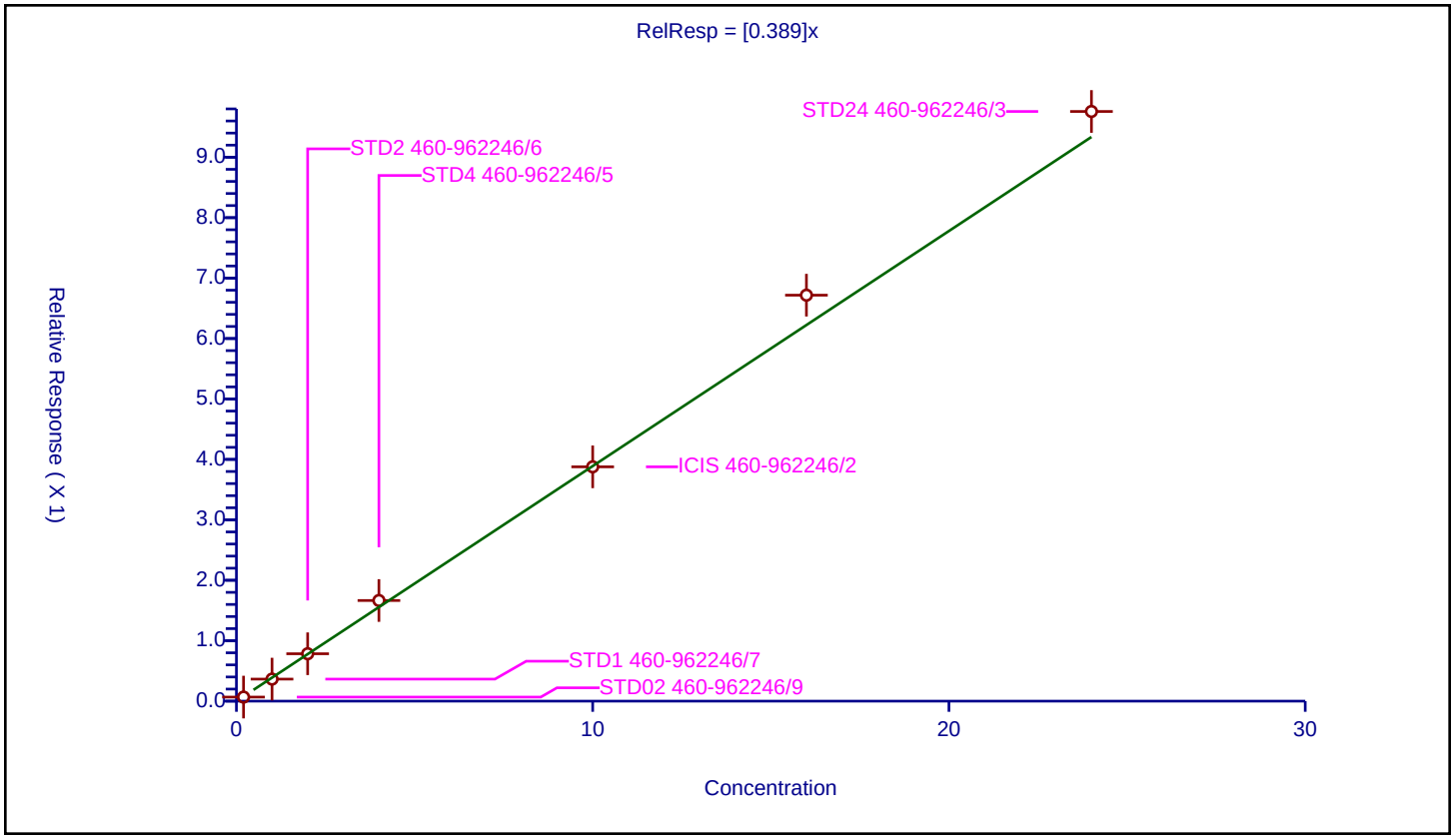
Curve Coefficients

Intercept:	0
Slope:	0.389

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.067074	8.0	797682.0	0.335372	Y
2	STD1 460-962246/7	1.0	0.364746	8.0	787507.0	0.364746	Y
3	STD2 460-962246/6	2.0	0.784378	8.0	773076.0	0.392189	Y
4	STD4 460-962246/5	4.0	1.665389	8.0	758977.0	0.416347	Y
5	ICIS 460-962246/2	10.0	3.877326	8.0	782399.0	0.387733	Y
6	STD16 460-962246/4	16.0	6.717686	8.0	757275.0	0.419855	Y
7	STD24 460-962246/3	24.0	9.757389	8.0	704427.0	0.406558	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

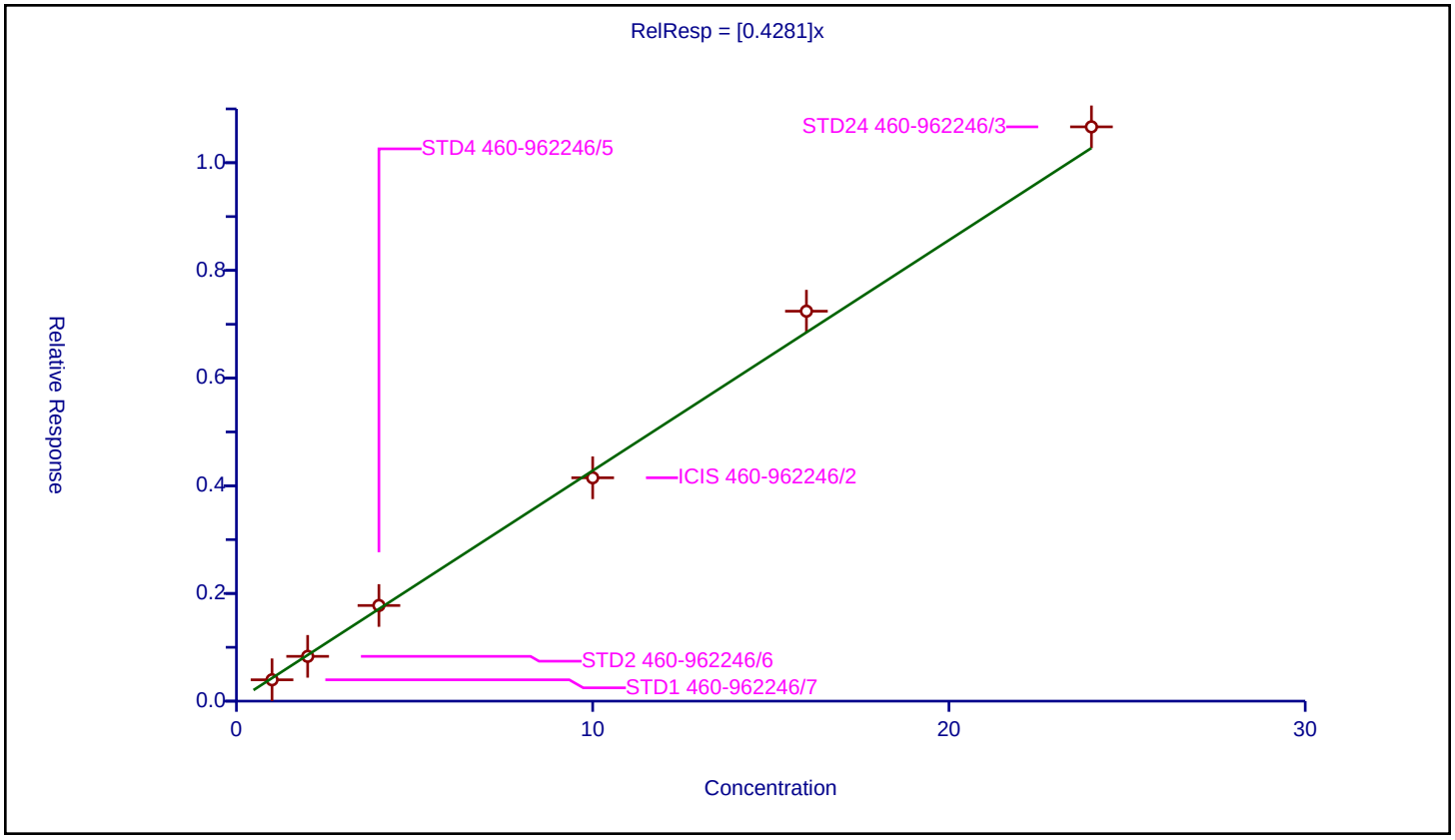
Curve Coefficients

Intercept:	0
Slope:	0.4281

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.396329	8.0	787507.0	0.396329	Y
2	STD2 460-962246/6	2.0	0.831732	8.0	773076.0	0.415866	Y
3	STD4 460-962246/5	4.0	1.776897	8.0	758977.0	0.444224	Y
4	ICIS 460-962246/2	10.0	4.148697	8.0	782399.0	0.41487	Y
5	STD16 460-962246/4	16.0	7.243128	8.0	757275.0	0.452696	Y
6	STD24 460-962246/3	24.0	10.666769	8.0	704427.0	0.444449	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

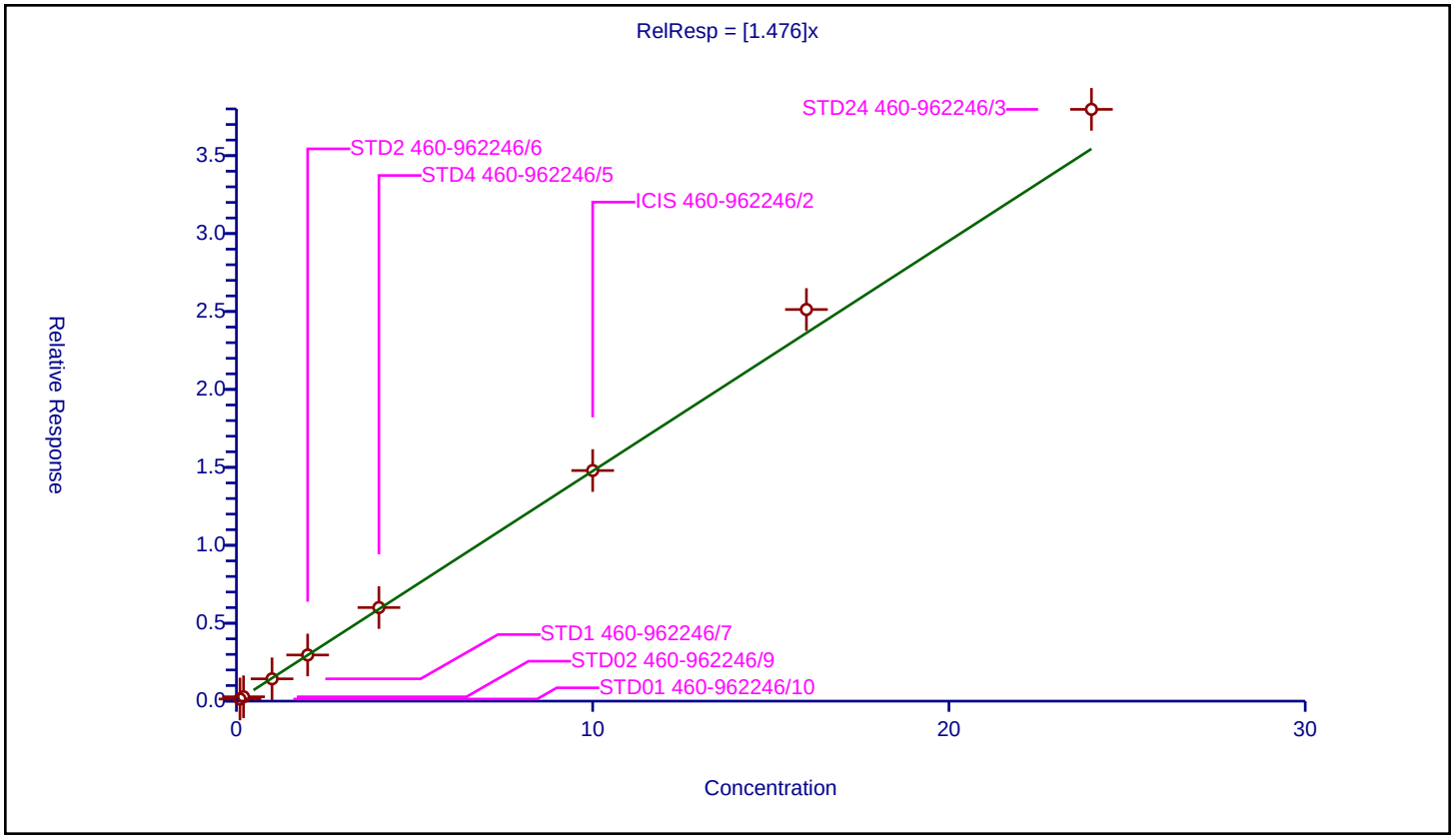
Curve Coefficients

Intercept:	0
Slope:	1.476

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.136678	8.0	723686.0	1.366781	Y
2	STD02 460-962246/9	0.2	0.279941	8.0	797682.0	1.399706	Y
3	STD1 460-962246/7	1.0	1.431037	8.0	787507.0	1.431037	Y
4	STD2 460-962246/6	2.0	2.96122	8.0	773076.0	1.48061	Y
5	STD4 460-962246/5	4.0	6.005231	8.0	758977.0	1.501308	Y
6	ICIS 460-962246/2	10.0	14.796328	8.0	782399.0	1.479633	Y
7	STD16 460-962246/4	16.0	25.128795	8.0	757275.0	1.57055	Y
8	STD24 460-962246/3	24.0	37.97106	8.0	704427.0	1.582128	Y



Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

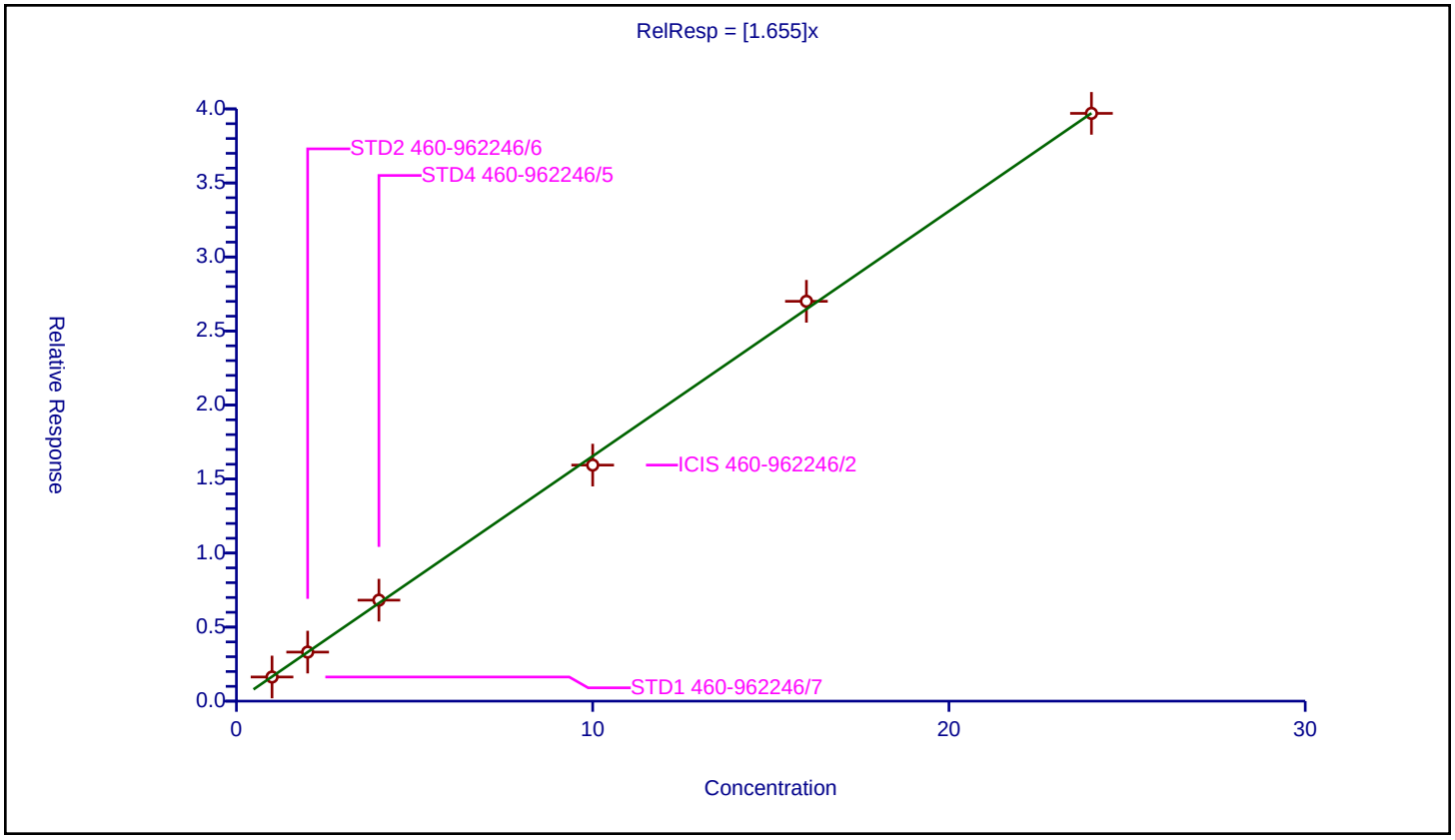
Curve Coefficients

Intercept:	0
Slope:	1.655

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.630533	8.0	787507.0	1.630533	Y
2	STD2 460-962246/6	2.0	3.31185	8.0	773076.0	1.655925	Y
3	STD4 460-962246/5	4.0	6.820244	8.0	758977.0	1.705061	Y
4	ICIS 460-962246/2	10.0	15.942842	8.0	782399.0	1.594284	Y
5	STD16 460-962246/4	16.0	27.005989	8.0	757275.0	1.687874	Y
6	STD24 460-962246/3	24.0	39.697422	8.0	704427.0	1.654059	Y



Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

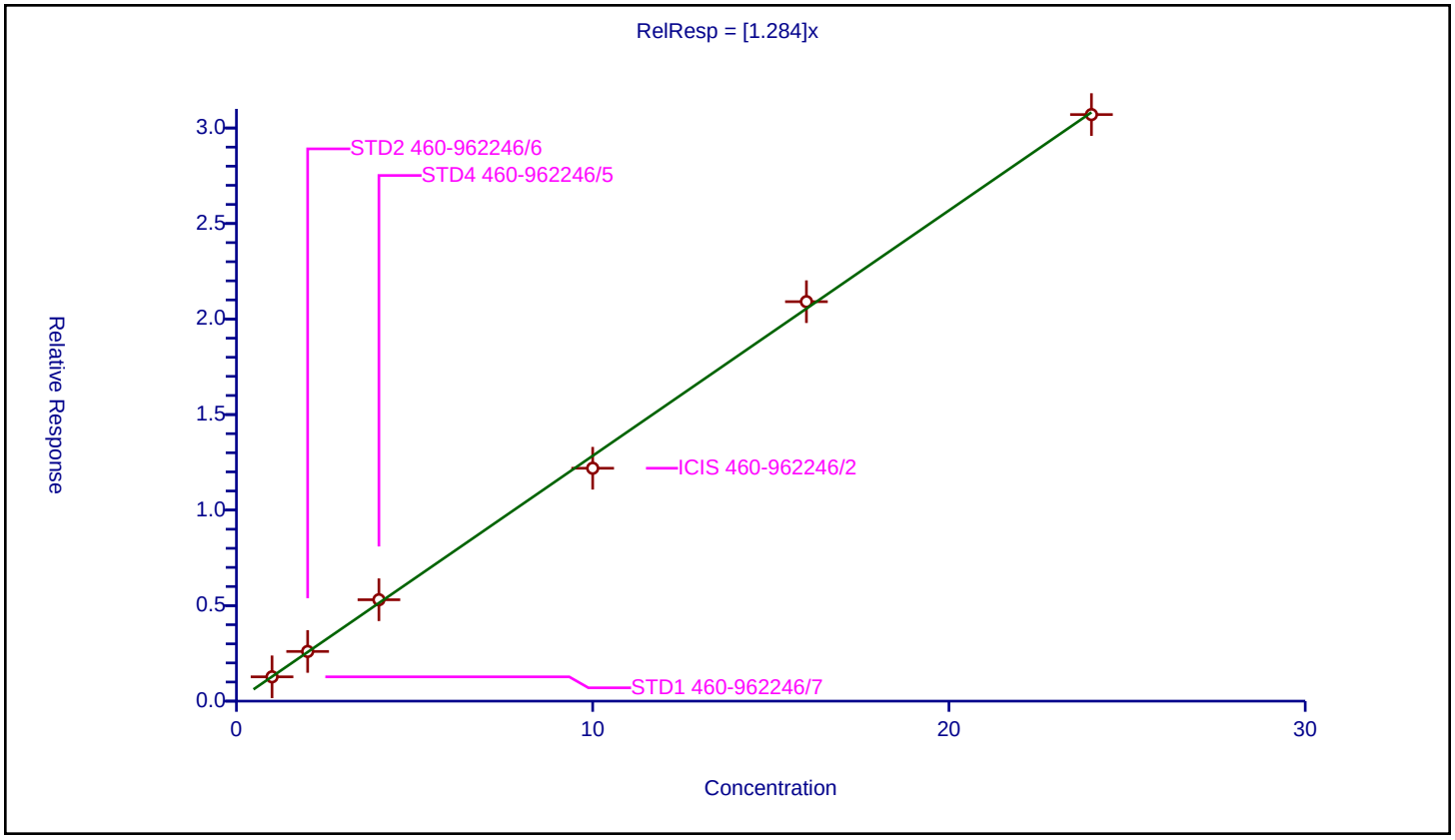
Curve Coefficients

Intercept:	0
Slope:	1.284

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.272329	8.0	787507.0	1.272329	Y
2	STD2 460-962246/6	2.0	2.601048	8.0	773076.0	1.300524	Y
3	STD4 460-962246/5	4.0	5.307386	8.0	758977.0	1.326847	Y
4	ICIS 460-962246/2	10.0	12.190752	8.0	782399.0	1.219075	Y
5	STD16 460-962246/4	16.0	20.909519	8.0	757275.0	1.306845	Y
6	STD24 460-962246/3	24.0	30.702662	8.0	704427.0	1.279278	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

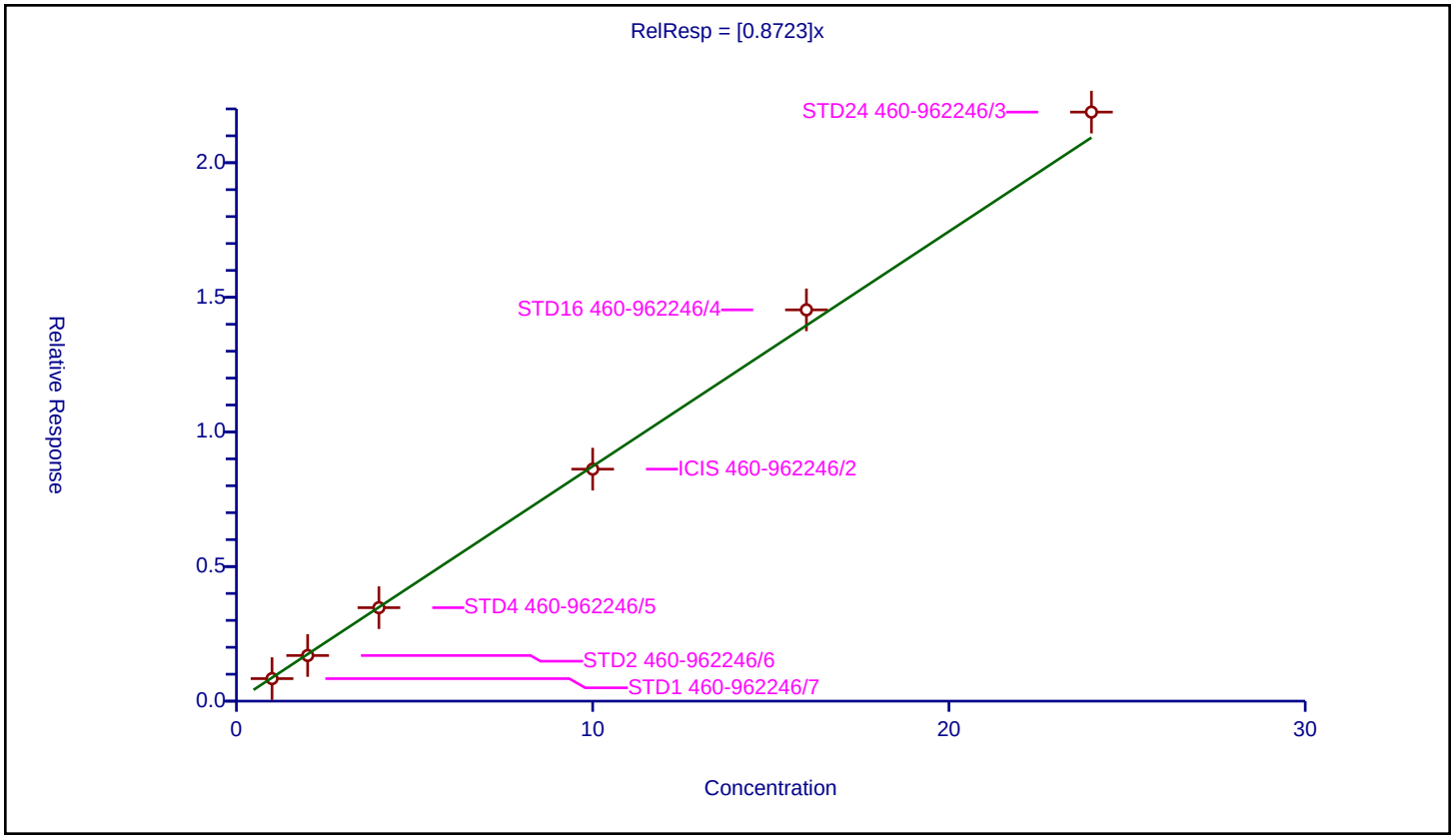
Curve Coefficients

Intercept:	0
Slope:	0.8723

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.836249	8.0	787507.0	0.836249	Y
2	STD2 460-962246/6	2.0	1.695254	8.0	773076.0	0.847627	Y
3	STD4 460-962246/5	4.0	3.471863	8.0	758977.0	0.867966	Y
4	ICIS 460-962246/2	10.0	8.618232	8.0	782399.0	0.861823	Y
5	STD16 460-962246/4	16.0	14.534905	8.0	757275.0	0.908432	Y
6	STD24 460-962246/3	24.0	21.881069	8.0	704427.0	0.911711	Y



Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

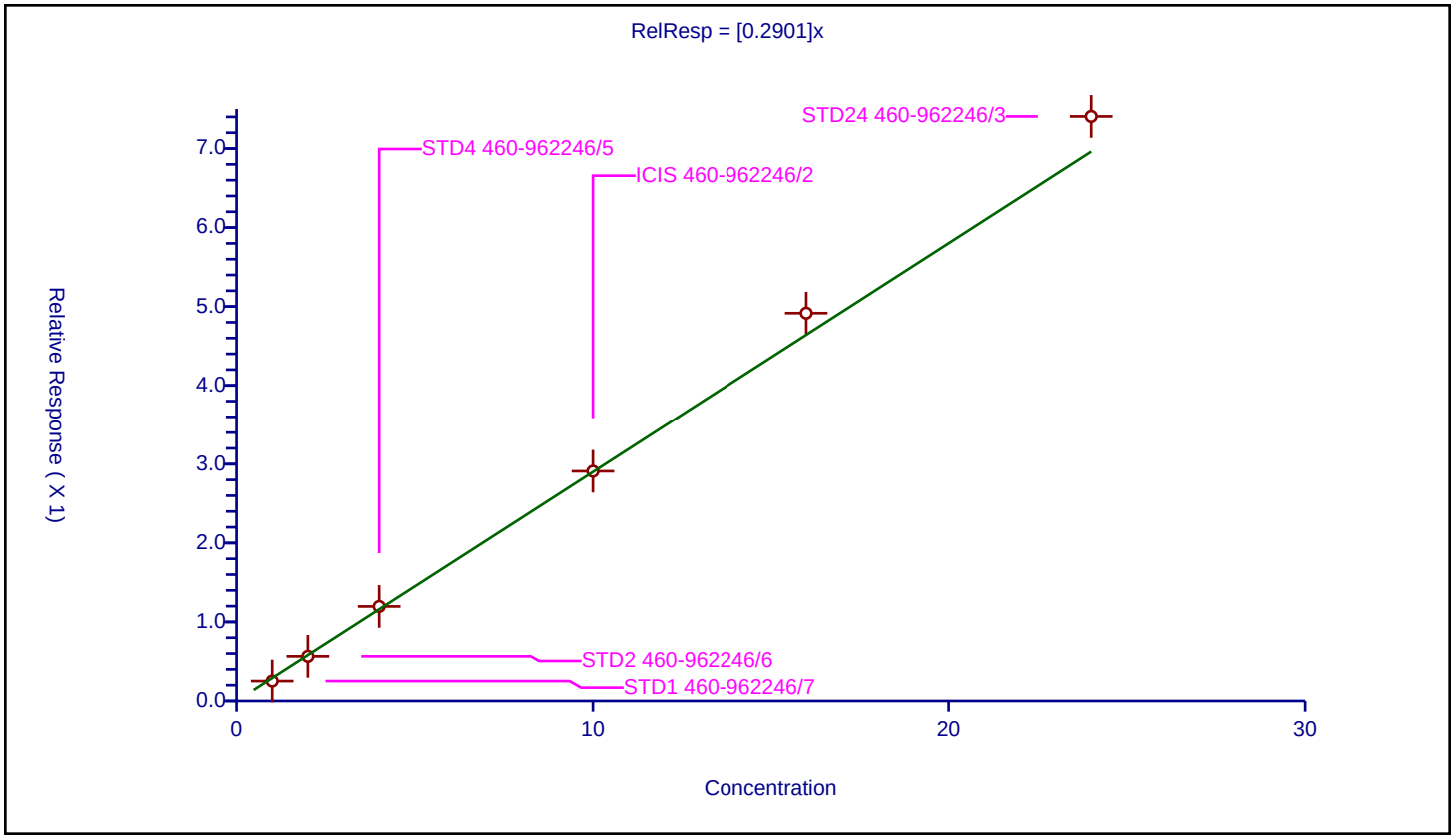
Curve Coefficients

Intercept:	0
Slope:	0.2901

Error Coefficients

Relative Standard Deviation:	7.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.25227	8.0	787507.0	0.25227	Y
2	STD2 460-962246/6	2.0	0.564477	8.0	773076.0	0.282239	Y
3	STD4 460-962246/5	4.0	1.1962	8.0	758977.0	0.29905	Y
4	ICIS 460-962246/2	10.0	2.909738	8.0	782399.0	0.290974	Y
5	STD16 460-962246/4	16.0	4.91627	8.0	757275.0	0.307267	Y
6	STD24 460-962246/3	24.0	7.406303	8.0	704427.0	0.308596	Y



Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

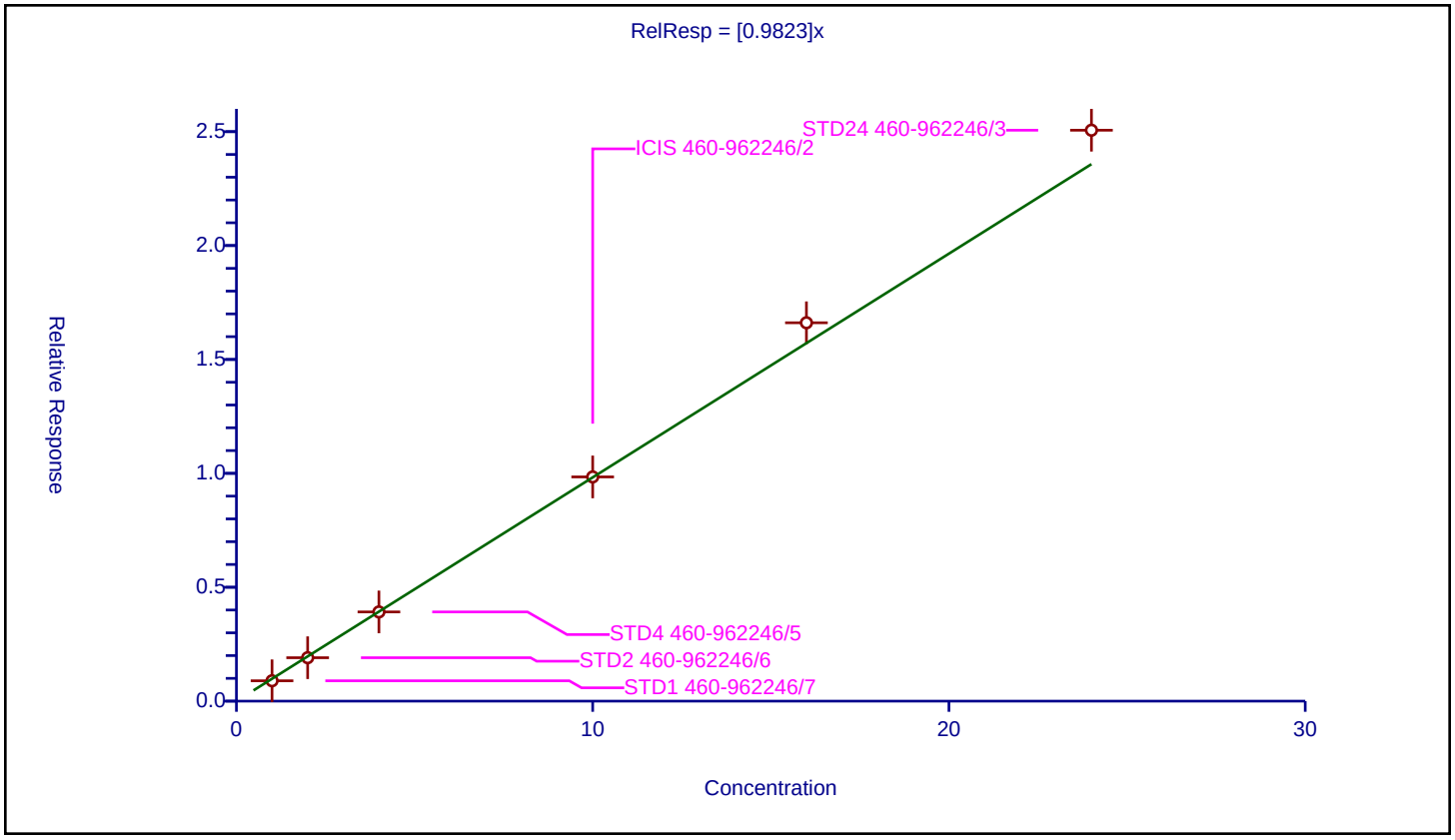
Curve Coefficients

Intercept:	0
Slope:	0.9823

Error Coefficients

Relative Standard Deviation:	5.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.894235	8.0	787507.0	0.894235	Y
2	STD2 460-962246/6	2.0	1.906762	8.0	773076.0	0.953381	Y
3	STD4 460-962246/5	4.0	3.916556	8.0	758977.0	0.979139	Y
4	ICIS 460-962246/2	10.0	9.842916	8.0	782399.0	0.984292	Y
5	STD16 460-962246/4	16.0	16.610463	8.0	757275.0	1.038154	Y
6	STD24 460-962246/3	24.0	25.0639	8.0	704427.0	1.044329	Y



Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

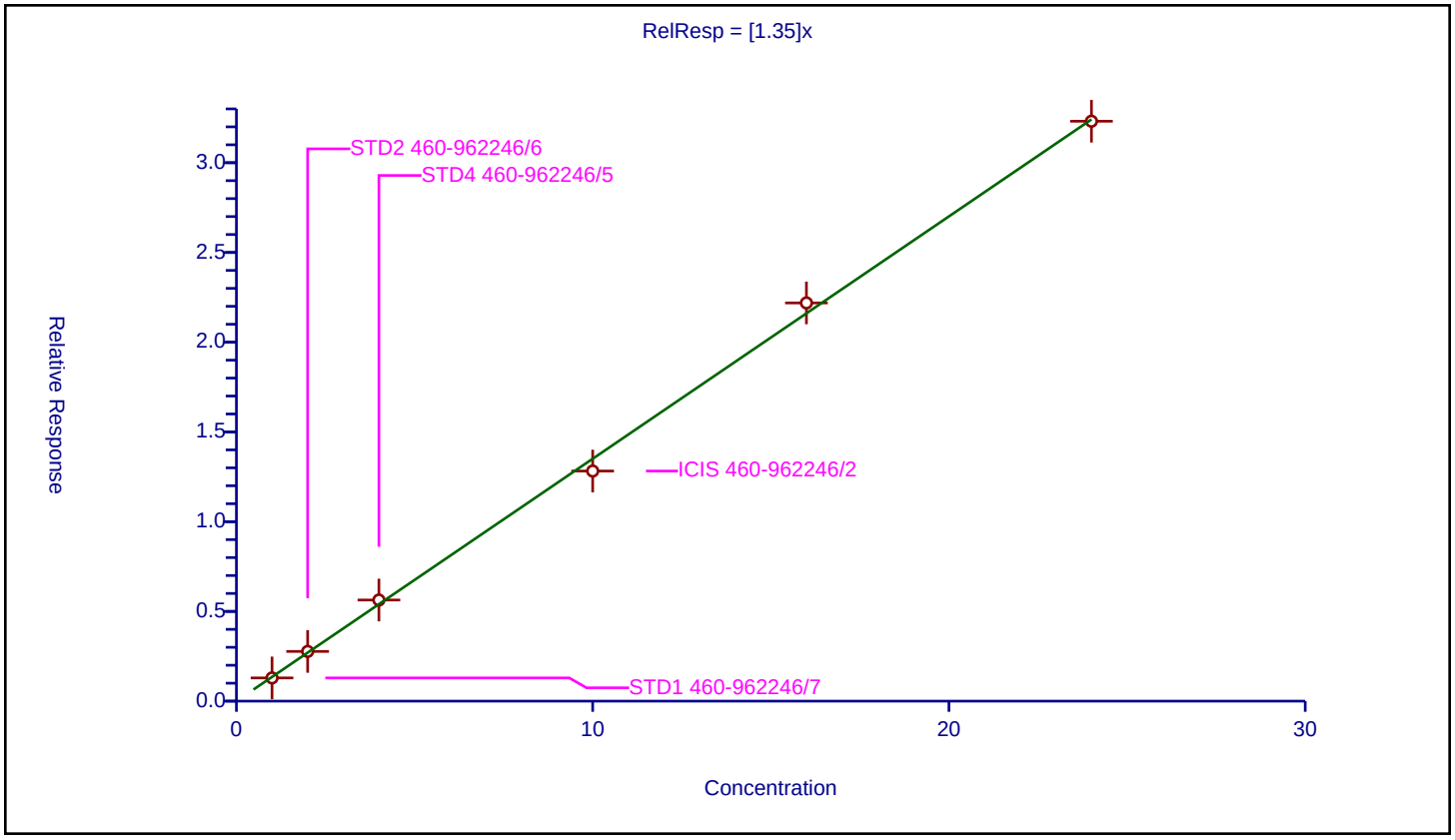
Curve Coefficients

Intercept:	0
Slope:	1.35

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.293916	8.0	787507.0	1.293916	Y
2	STD2 460-962246/6	2.0	2.770398	8.0	773076.0	1.385199	Y
3	STD4 460-962246/5	4.0	5.634089	8.0	758977.0	1.408522	Y
4	ICIS 460-962246/2	10.0	12.82108	8.0	782399.0	1.282108	Y
5	STD16 460-962246/4	16.0	22.188875	8.0	757275.0	1.386805	Y
6	STD24 460-962246/3	24.0	32.313015	8.0	704427.0	1.346376	Y



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

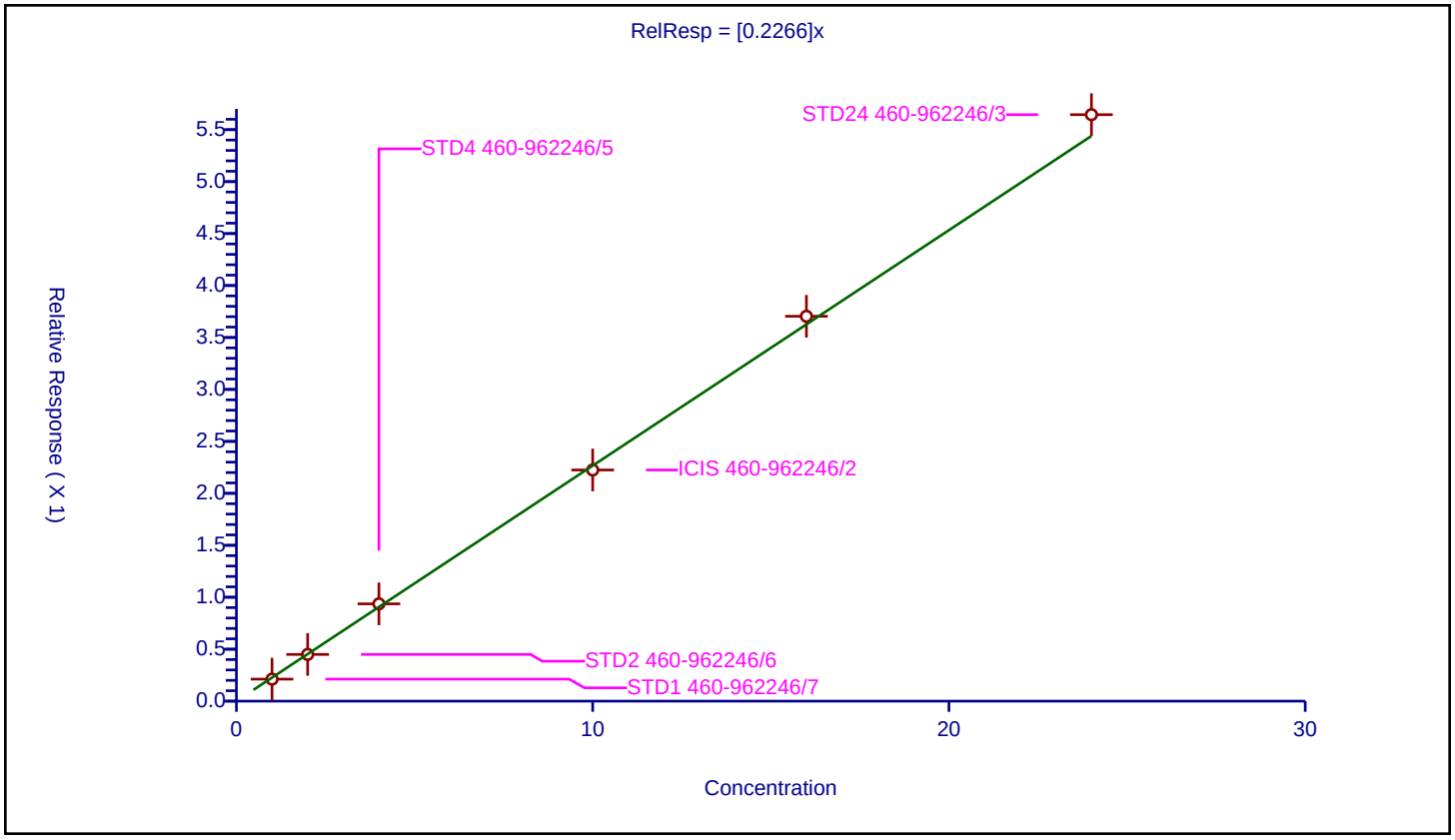
Curve Coefficients

Intercept:	0
Slope:	0.2266

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.211891	8.0	1443569.0	0.211891	Y
2	STD2 460-962246/6	2.0	0.449463	8.0	1432430.0	0.224731	Y
3	STD4 460-962246/5	4.0	0.936183	8.0	1416775.0	0.234046	Y
4	ICIS 460-962246/2	10.0	2.224621	8.0	1505123.0	0.222462	Y
5	STD16 460-962246/4	16.0	3.70413	8.0	1458206.0	0.231508	Y
6	STD24 460-962246/3	24.0	5.644451	8.0	1358416.0	0.235185	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

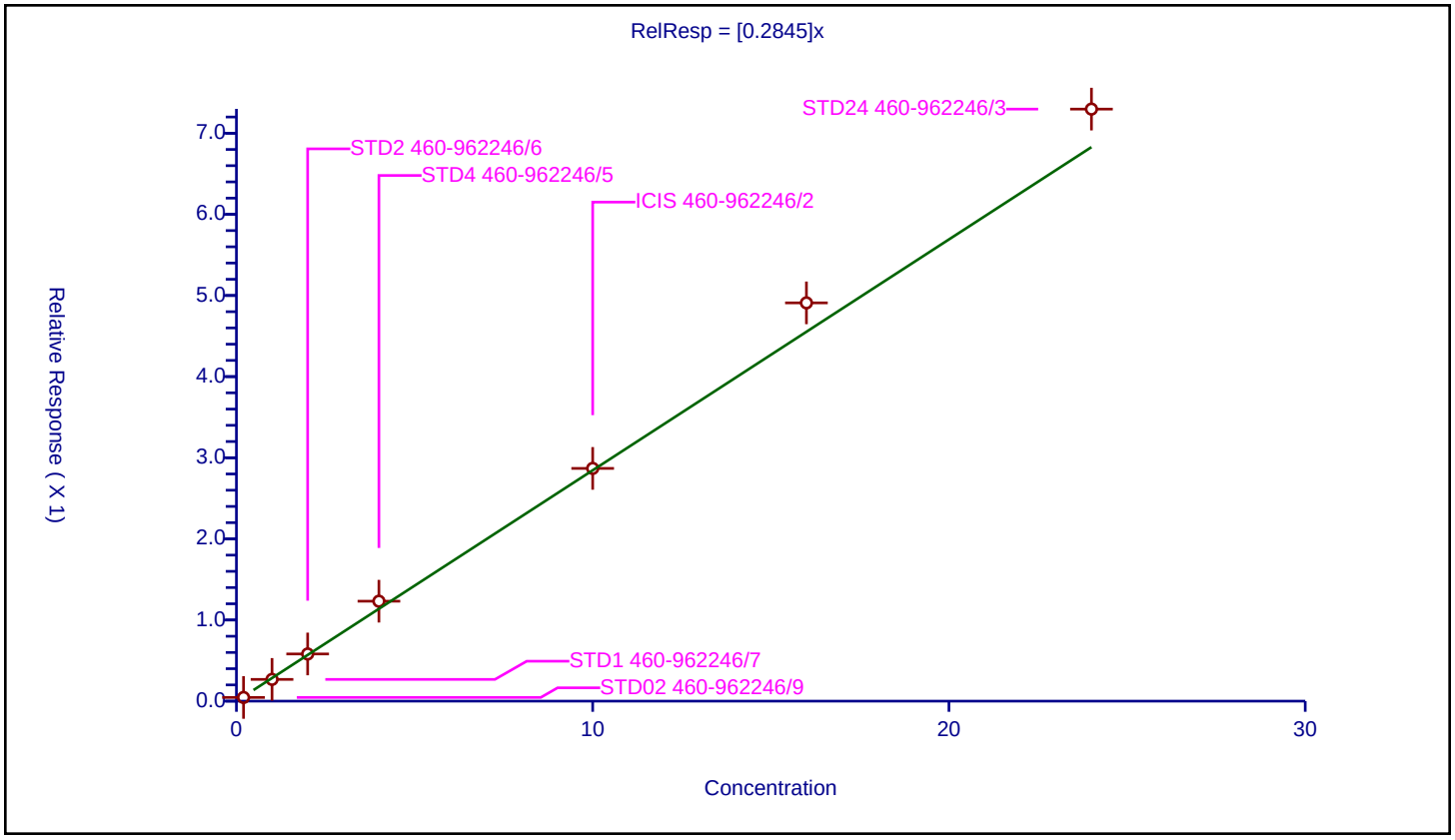
Curve Coefficients

Intercept:	0
Slope:	0.2845

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.045452	8.0	797682.0	0.227258	Y
2	STD1 460-962246/7	1.0	0.268087	8.0	787507.0	0.268087	Y
3	STD2 460-962246/6	2.0	0.581511	8.0	773076.0	0.290755	Y
4	STD4 460-962246/5	4.0	1.231816	8.0	758977.0	0.307954	Y
5	ICIS 460-962246/2	10.0	2.868603	8.0	782399.0	0.28686	Y
6	STD16 460-962246/4	16.0	4.908917	8.0	757275.0	0.306807	Y
7	STD24 460-962246/3	24.0	7.297415	8.0	704427.0	0.304059	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

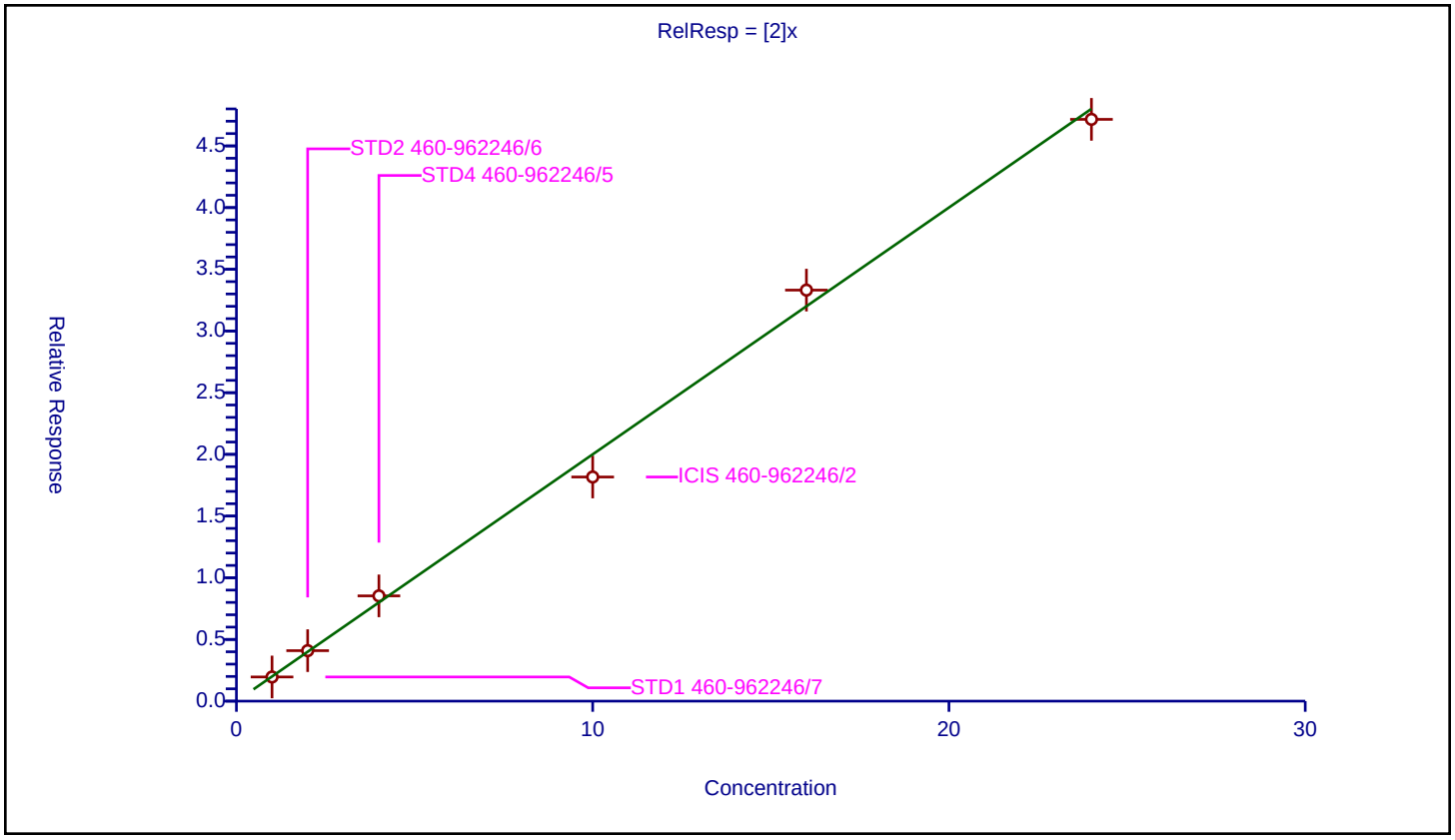
Curve Coefficients

Intercept:	0
Slope:	2

Error Coefficients

Relative Standard Deviation:	5.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.958667	8.0	787507.0	1.958667	Y
2	STD2 460-962246/6	2.0	4.091996	8.0	773076.0	2.045998	Y
3	STD4 460-962246/5	4.0	8.5316	8.0	758977.0	2.1329	Y
4	ICIS 460-962246/2	10.0	18.16671	8.0	782399.0	1.816671	Y
5	STD16 460-962246/4	16.0	33.313731	8.0	757275.0	2.082108	Y
6	STD24 460-962246/3	24.0	47.152151	8.0	704427.0	1.964673	Y



Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

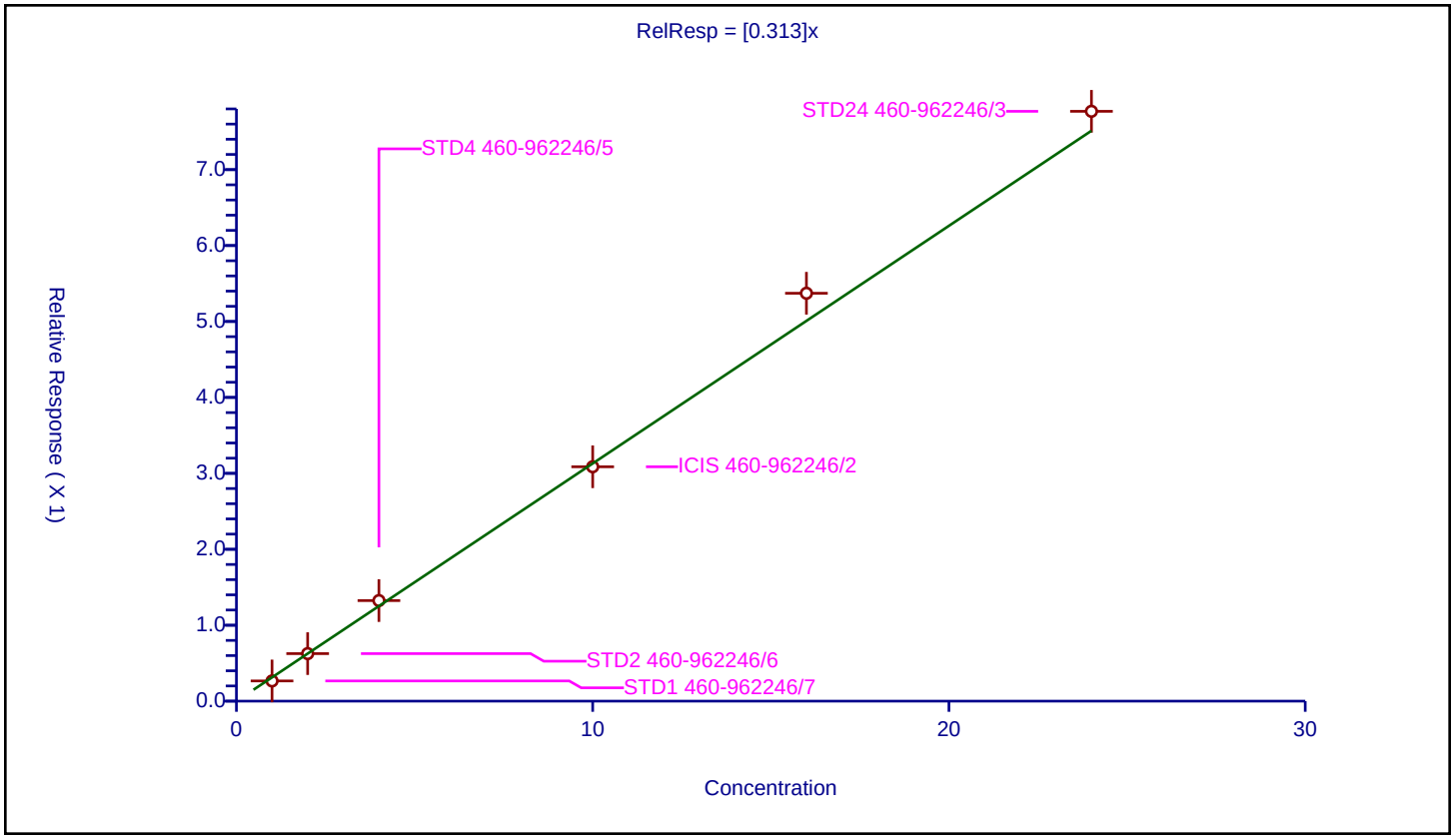
Curve Coefficients

Intercept:	0
Slope:	0.313

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.265933	8.0	787507.0	0.265933	Y
2	STD2 460-962246/6	2.0	0.625832	8.0	773076.0	0.312916	Y
3	STD4 460-962246/5	4.0	1.324372	8.0	758977.0	0.331093	Y
4	ICIS 460-962246/2	10.0	3.086548	8.0	782399.0	0.308655	Y
5	STD16 460-962246/4	16.0	5.37203	8.0	757275.0	0.335752	Y
6	STD24 460-962246/3	24.0	7.768084	8.0	704427.0	0.32367	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

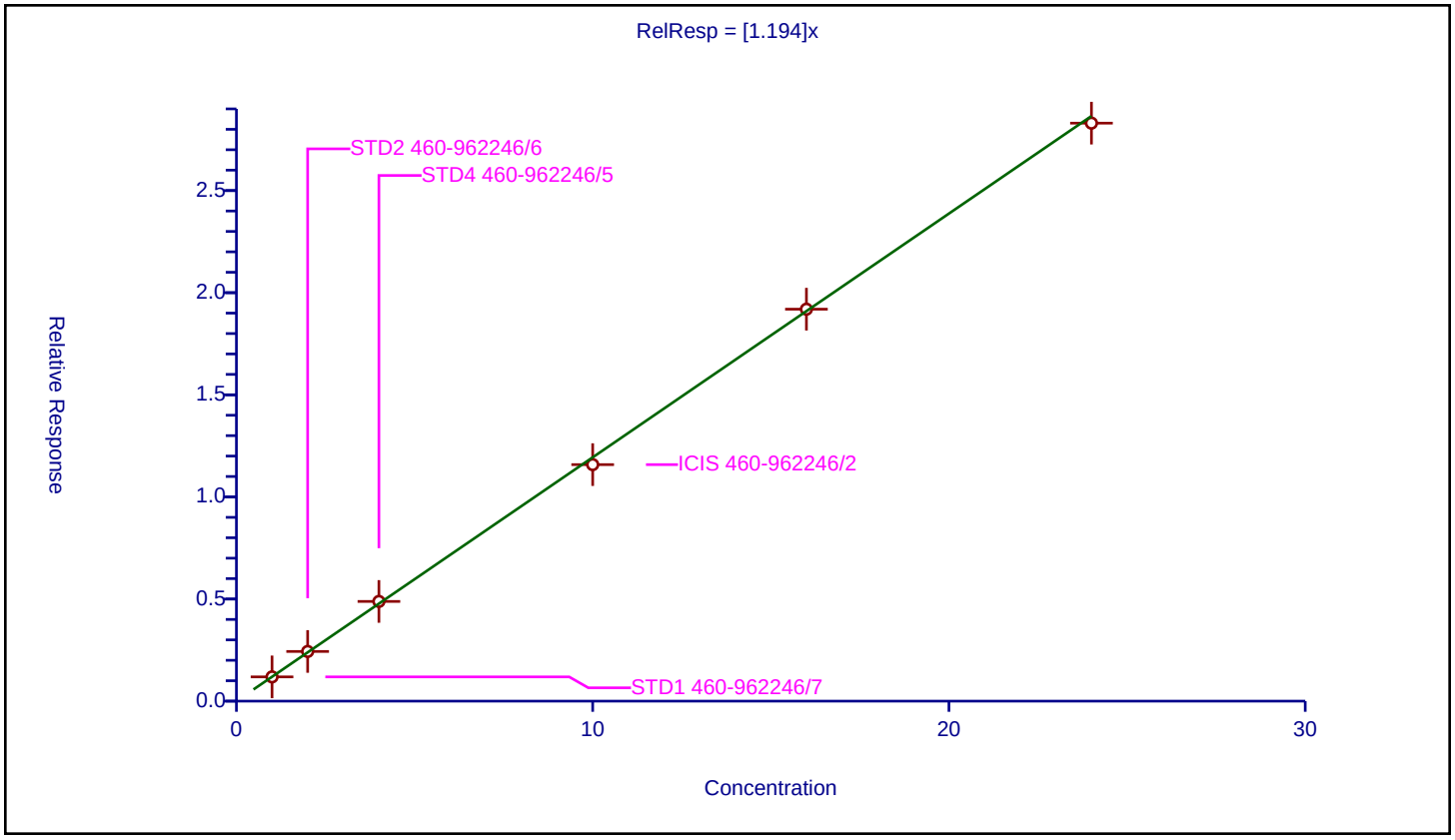
Curve Coefficients

Intercept:	0
Slope:	1.194

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.188063	8.0	787507.0	1.188063	Y
2	STD2 460-962246/6	2.0	2.432889	8.0	773076.0	1.216444	Y
3	STD4 460-962246/5	4.0	4.88253	8.0	758977.0	1.220633	Y
4	ICIS 460-962246/2	10.0	11.581988	8.0	782399.0	1.158199	Y
5	STD16 460-962246/4	16.0	19.192246	8.0	757275.0	1.199515	Y
6	STD24 460-962246/3	24.0	28.30163	8.0	704427.0	1.179235	Y



Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

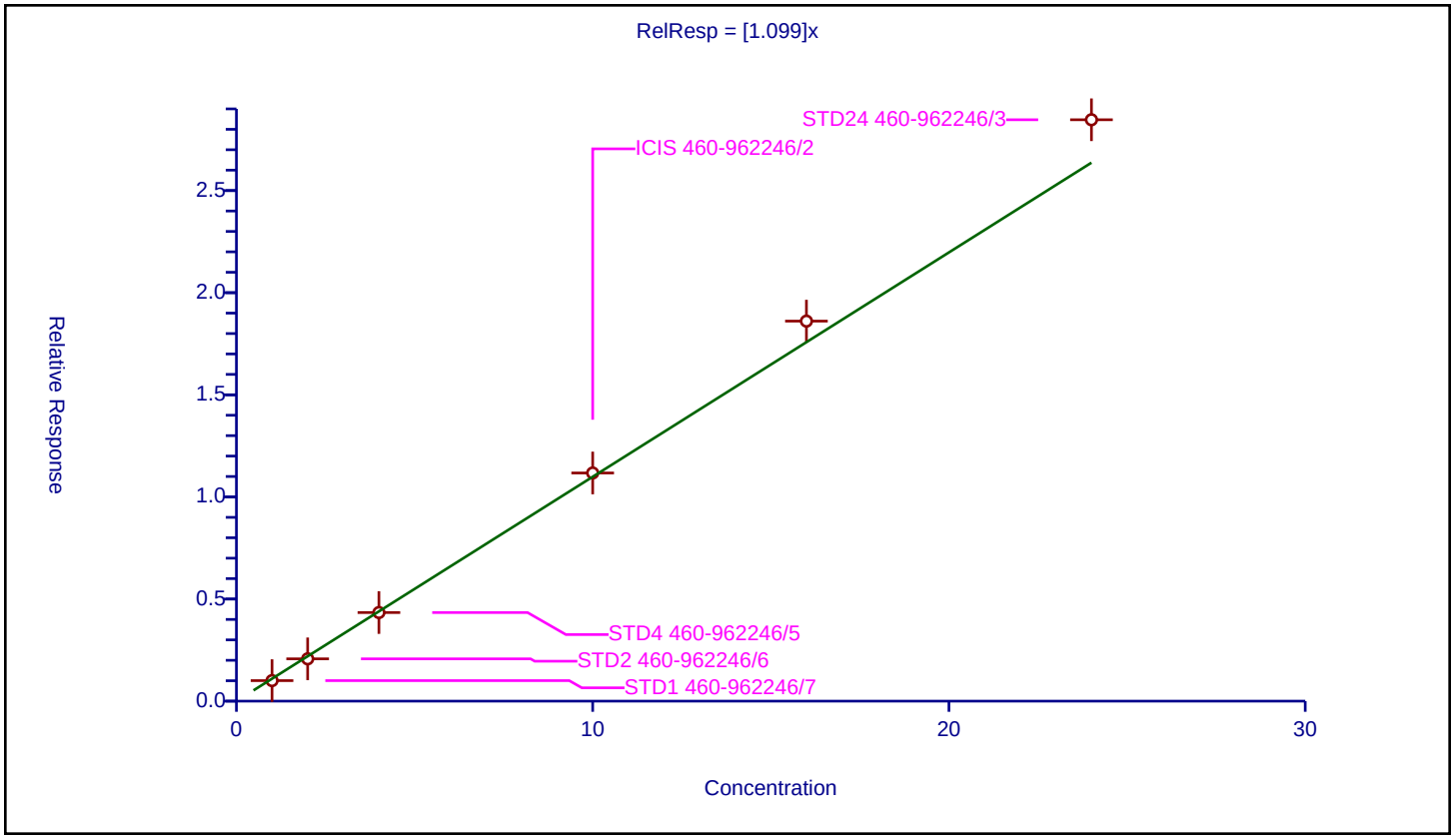
Curve Coefficients

Intercept:	0
Slope:	1.099

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.005055	8.0	787507.0	1.005055	Y
2	STD2 460-962246/6	2.0	2.071434	8.0	773076.0	1.035717	Y
3	STD4 460-962246/5	4.0	4.337681	8.0	758977.0	1.08442	Y
4	ICIS 460-962246/2	10.0	11.171947	8.0	782399.0	1.117195	Y
5	STD16 460-962246/4	16.0	18.607814	8.0	757275.0	1.162988	Y
6	STD24 460-962246/3	24.0	28.46754	8.0	704427.0	1.186148	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

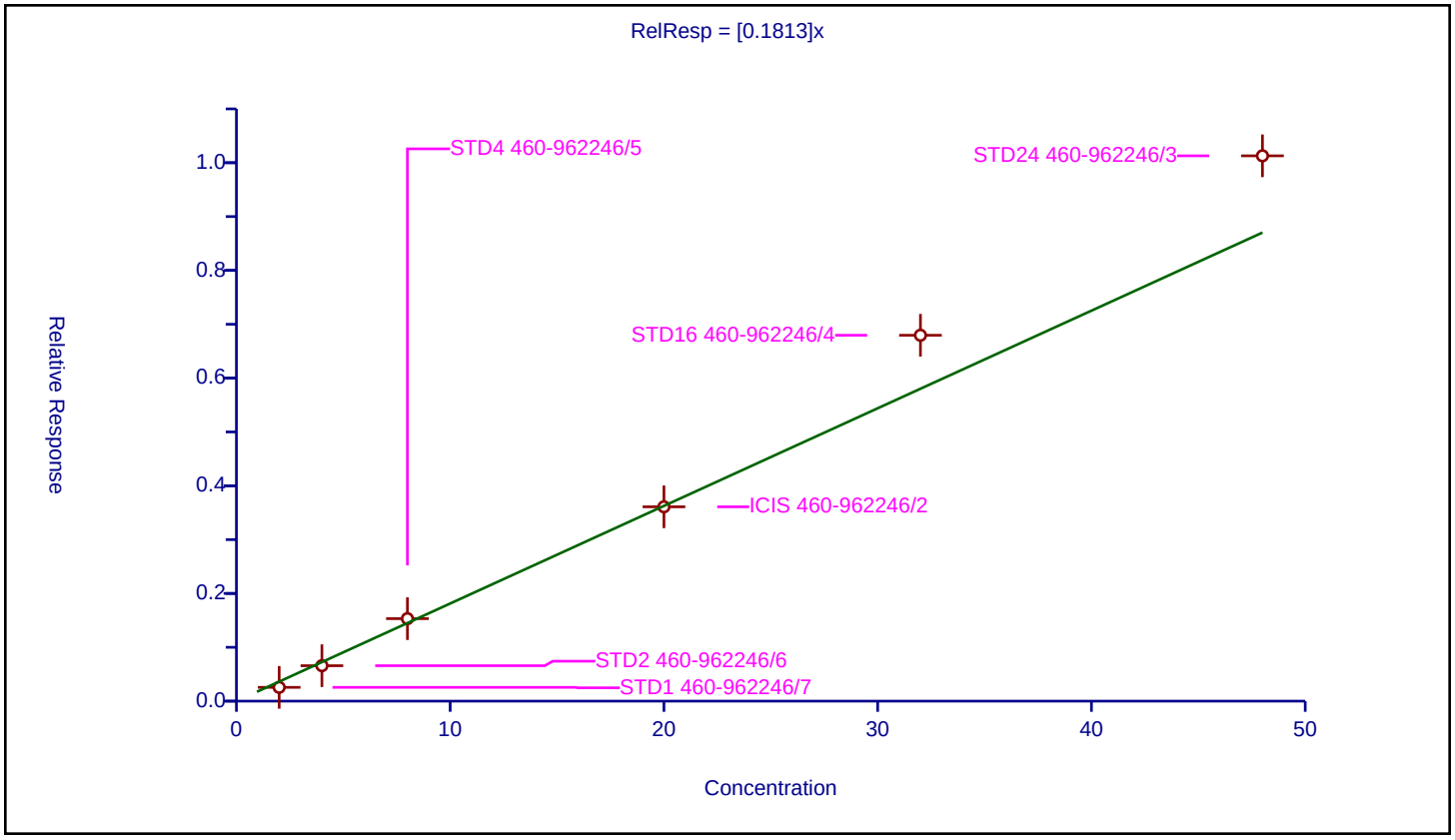
Curve Coefficients

Intercept:	0
Slope:	0.1813

Error Coefficients

Relative Standard Deviation:	17.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.255856	8.0	787507.0	0.127928	Y
2	STD2 460-962246/6	4.0	0.658295	8.0	773076.0	0.164574	Y
3	STD4 460-962246/5	8.0	1.532062	8.0	758977.0	0.191508	Y
4	ICIS 460-962246/2	20.0	3.609647	8.0	782399.0	0.180482	Y
5	STD16 460-962246/4	32.0	6.795629	8.0	757275.0	0.212363	Y
6	STD24 460-962246/3	48.0	10.128152	8.0	704427.0	0.211003	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

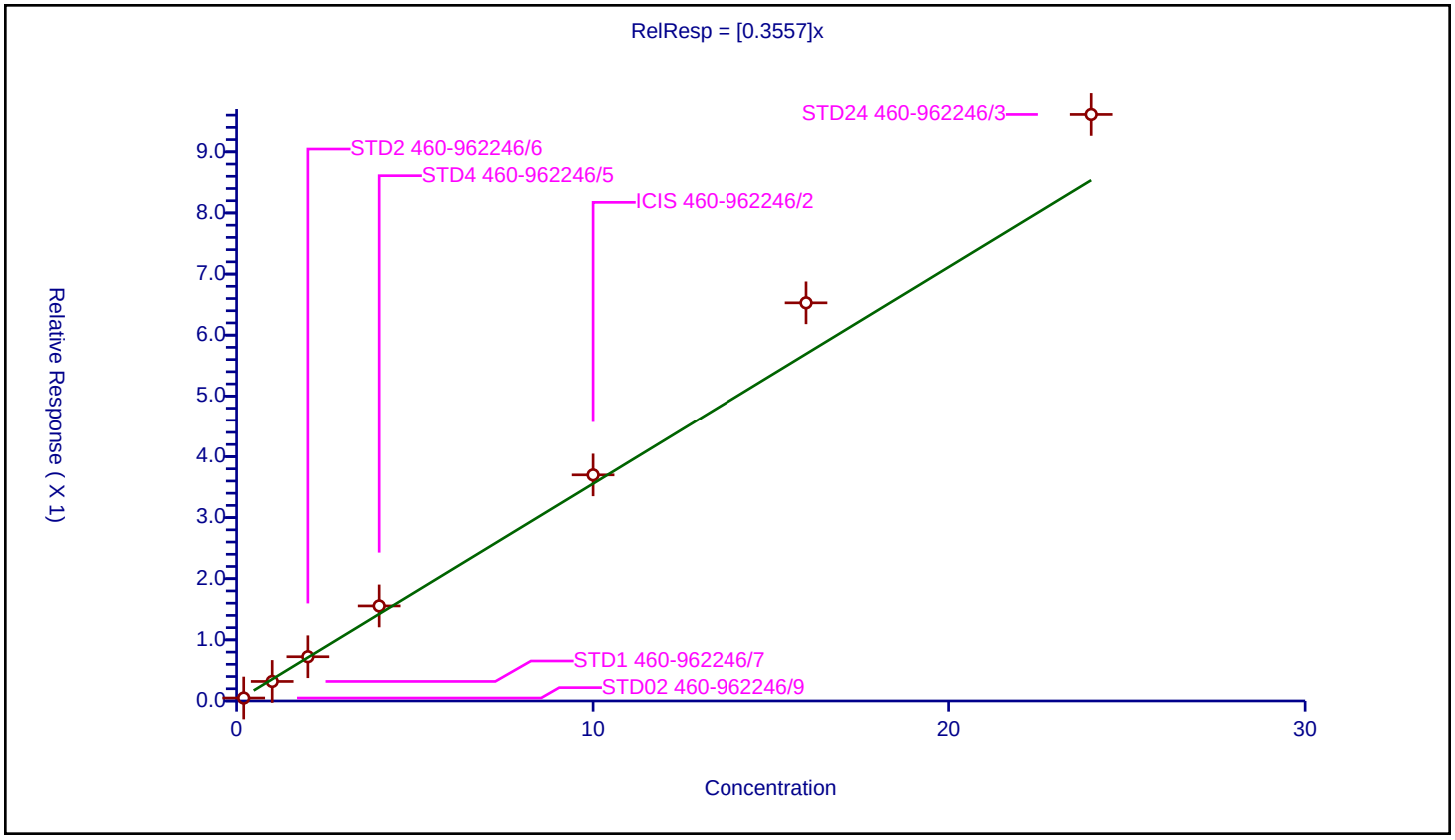
Curve Coefficients

Intercept:	0
Slope:	0.3557

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.04824	8.0	797682.0	0.241199	Y
2	STD1 460-962246/7	1.0	0.319499	8.0	787507.0	0.319499	Y
3	STD2 460-962246/6	2.0	0.723727	8.0	773076.0	0.361864	Y
4	STD4 460-962246/5	4.0	1.554872	8.0	758977.0	0.388718	Y
5	ICIS 460-962246/2	10.0	3.700148	8.0	782399.0	0.370015	Y
6	STD16 460-962246/4	16.0	6.529739	8.0	757275.0	0.408109	Y
7	STD24 460-962246/3	24.0	9.611591	8.0	704427.0	0.400483	Y



Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

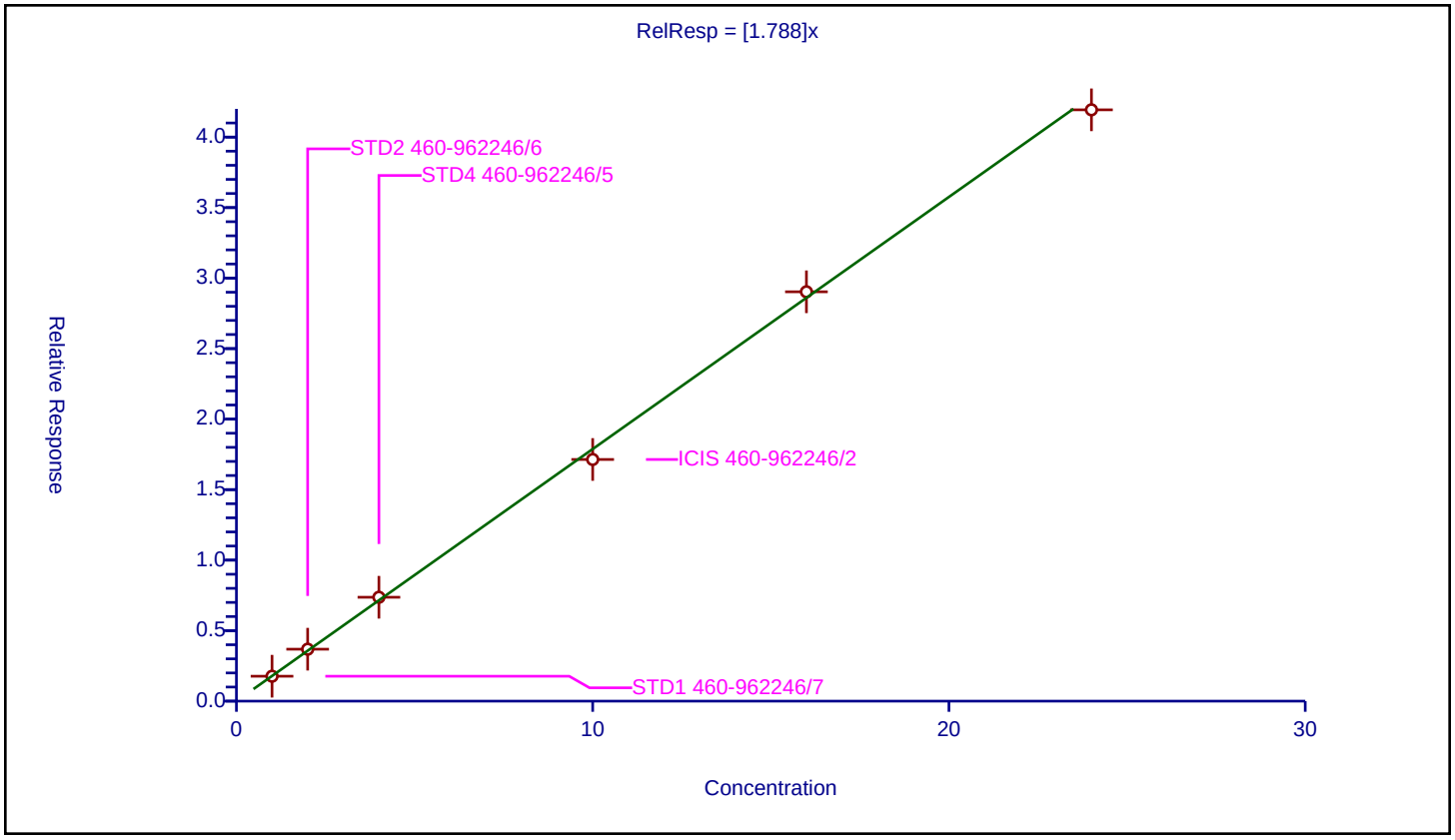
Curve Coefficients

Intercept:	0
Slope:	1.788

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.767431	8.0	787507.0	1.767431	Y
2	STD2 460-962246/6	2.0	3.683943	8.0	773076.0	1.841972	Y
3	STD4 460-962246/5	4.0	7.36641	8.0	758977.0	1.841603	Y
4	ICIS 460-962246/2	10.0	17.137087	8.0	782399.0	1.713709	Y
5	STD16 460-962246/4	16.0	29.030416	8.0	757275.0	1.814401	Y
6	STD24 460-962246/3	24.0	41.934713	8.0	704427.0	1.74728	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

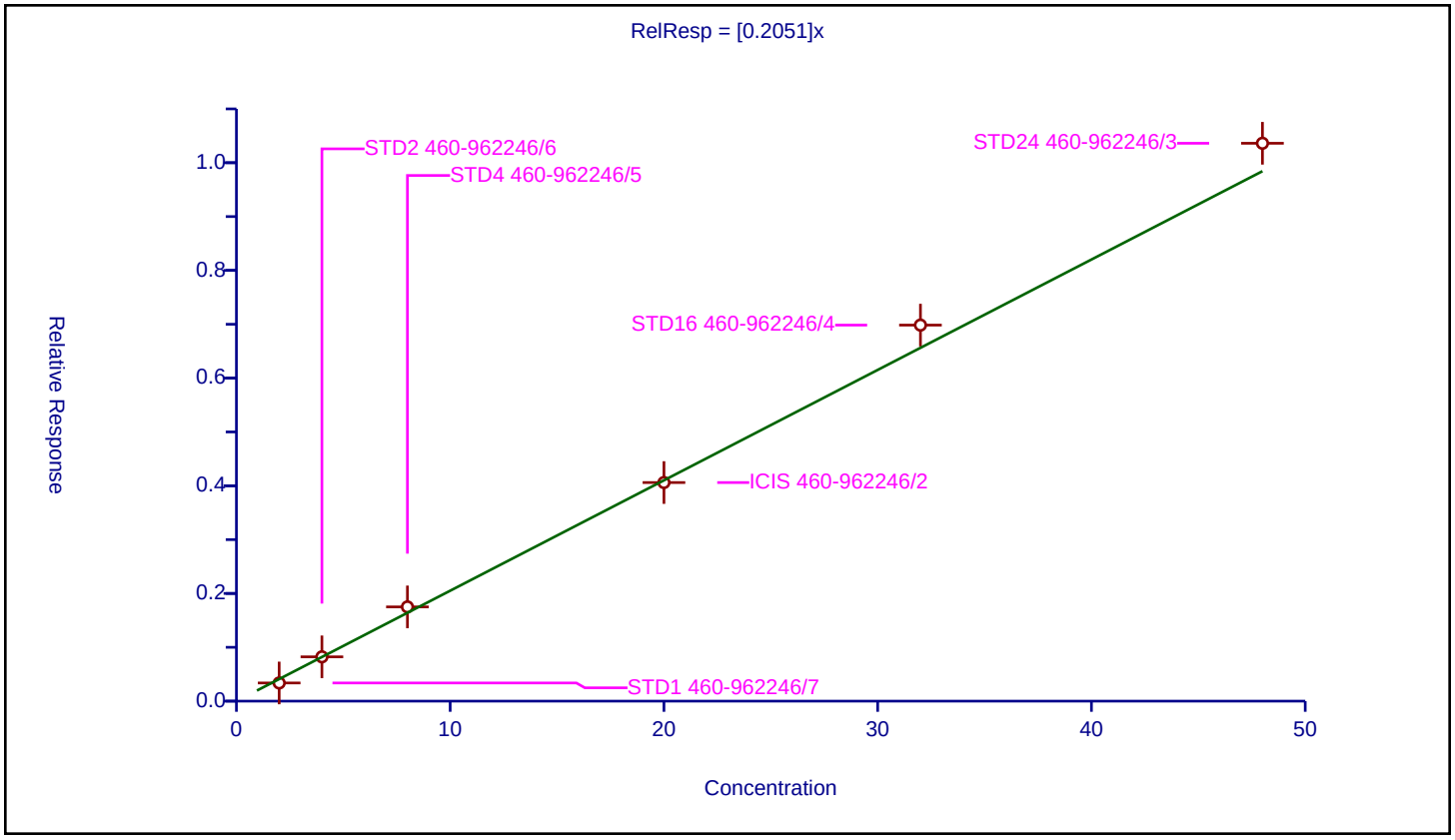
Curve Coefficients

Intercept:	0
Slope:	0.2051

Error Coefficients

Relative Standard Deviation:	9.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.337531	8.0	787507.0	0.168765	Y
2	STD2 460-962246/6	4.0	0.822688	8.0	773076.0	0.205672	Y
3	STD4 460-962246/5	8.0	1.750282	8.0	758977.0	0.218785	Y
4	ICIS 460-962246/2	20.0	4.060026	8.0	782399.0	0.203001	Y
5	STD16 460-962246/4	32.0	6.984274	8.0	757275.0	0.218259	Y
6	STD24 460-962246/3	48.0	10.361477	8.0	704427.0	0.215864	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

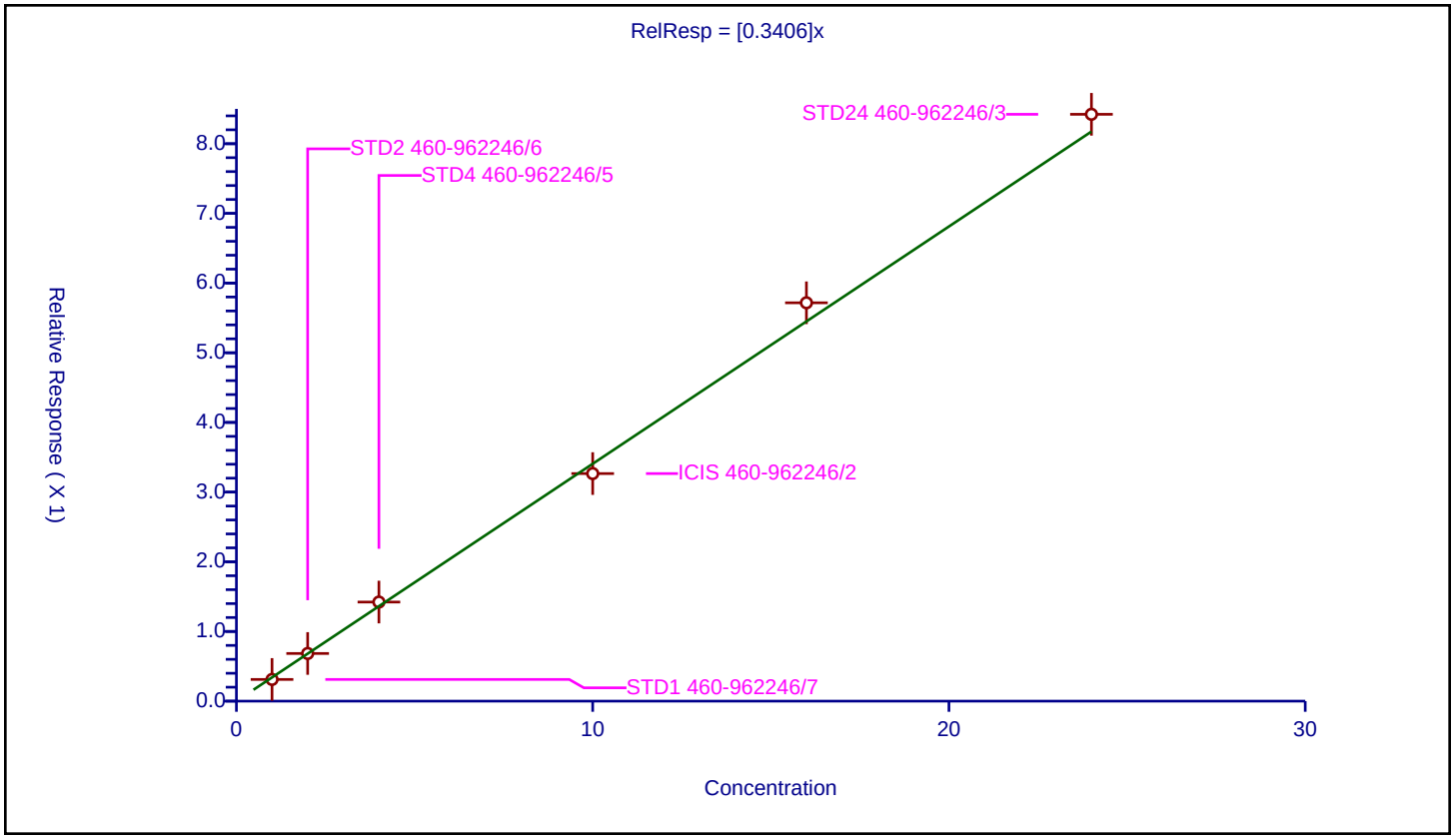
Curve Coefficients

Intercept:	0
Slope:	0.3406

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.311179	8.0	787507.0	0.311179	Y
2	STD2 460-962246/6	2.0	0.684228	8.0	773076.0	0.342114	Y
3	STD4 460-962246/5	4.0	1.422177	8.0	758977.0	0.355544	Y
4	ICIS 460-962246/2	10.0	3.266047	8.0	782399.0	0.326605	Y
5	STD16 460-962246/4	16.0	5.717215	8.0	757275.0	0.357326	Y
6	STD24 460-962246/3	24.0	8.422233	8.0	704427.0	0.350926	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

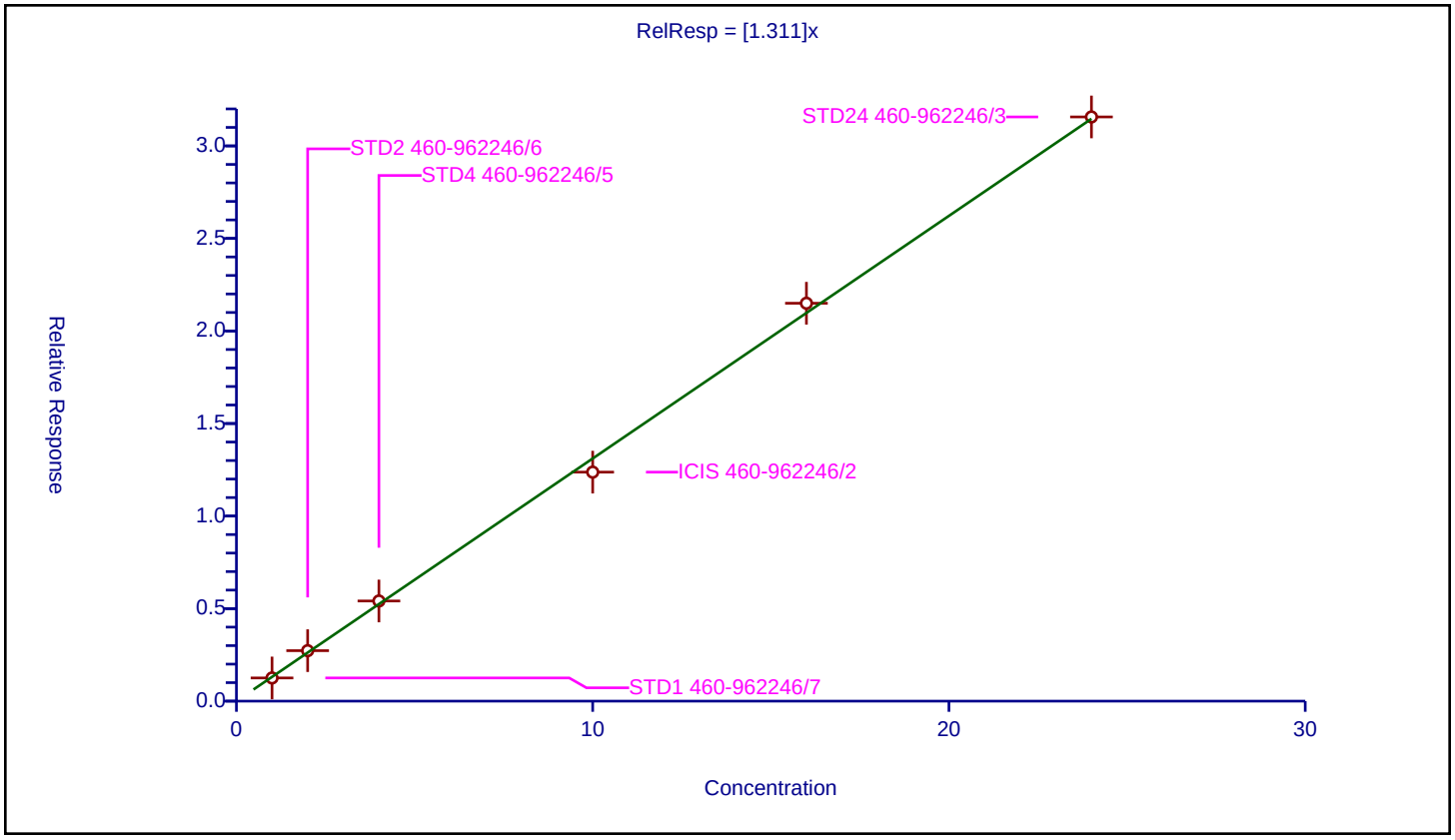
Curve Coefficients

Intercept:	0
Slope:	1.311

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.252967	8.0	787507.0	1.252967	Y
2	STD2 460-962246/6	2.0	2.727504	8.0	773076.0	1.363752	Y
3	STD4 460-962246/5	4.0	5.412211	8.0	758977.0	1.353053	Y
4	ICIS 460-962246/2	10.0	12.373257	8.0	782399.0	1.237326	Y
5	STD16 460-962246/4	16.0	21.499033	8.0	757275.0	1.34369	Y
6	STD24 460-962246/3	24.0	31.56523	8.0	704427.0	1.315218	Y



Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

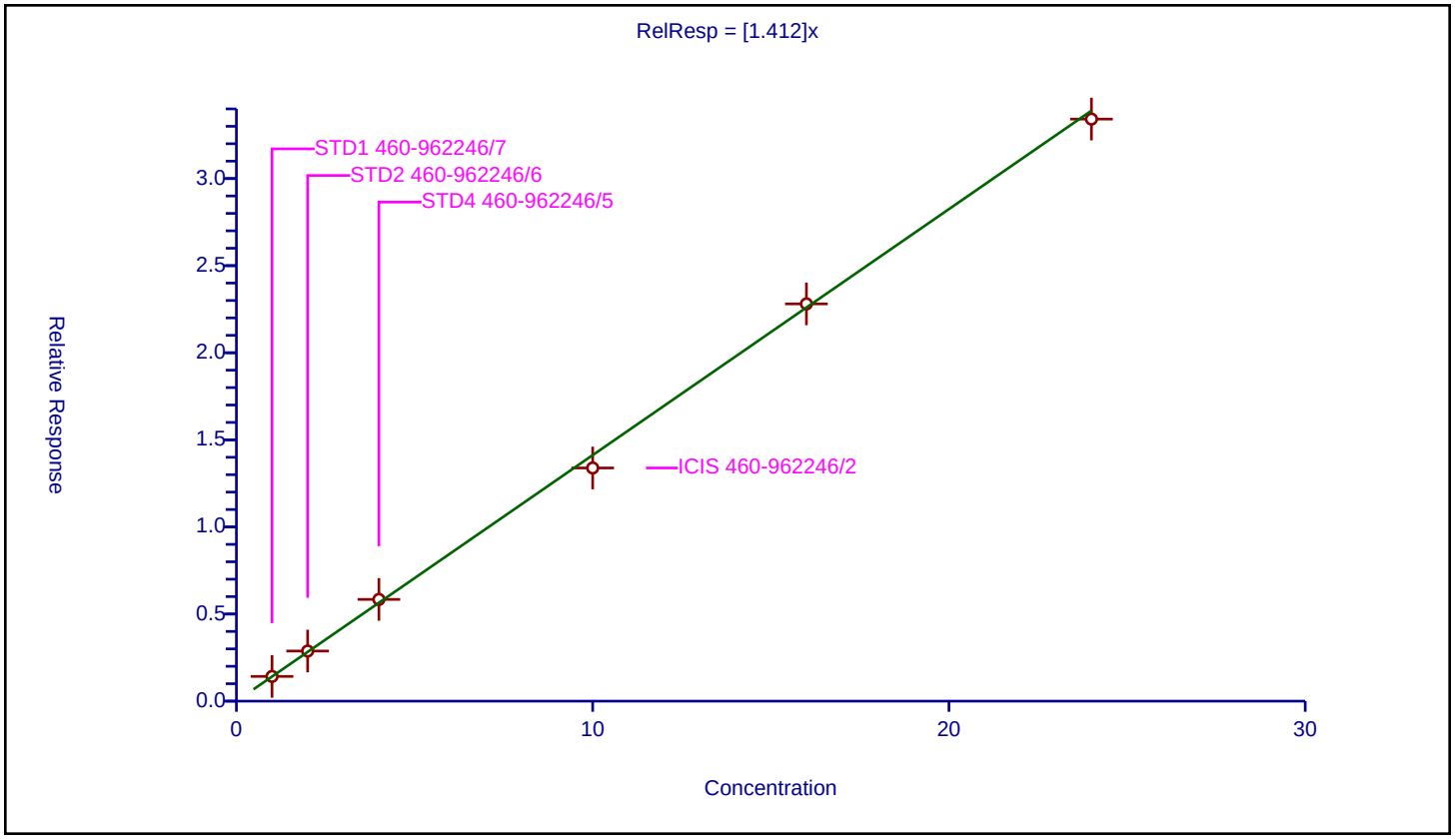
Curve Coefficients

Intercept:	0
Slope:	1.412

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.41906	8.0	787507.0	1.41906	Y
2	STD2 460-962246/6	2.0	2.877006	8.0	773076.0	1.438503	Y
3	STD4 460-962246/5	4.0	5.840757	8.0	758977.0	1.460189	Y
4	ICIS 460-962246/2	10.0	13.38561	8.0	782399.0	1.338561	Y
5	STD16 460-962246/4	16.0	22.805369	8.0	757275.0	1.425336	Y
6	STD24 460-962246/3	24.0	33.414494	8.0	704427.0	1.392271	Y



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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

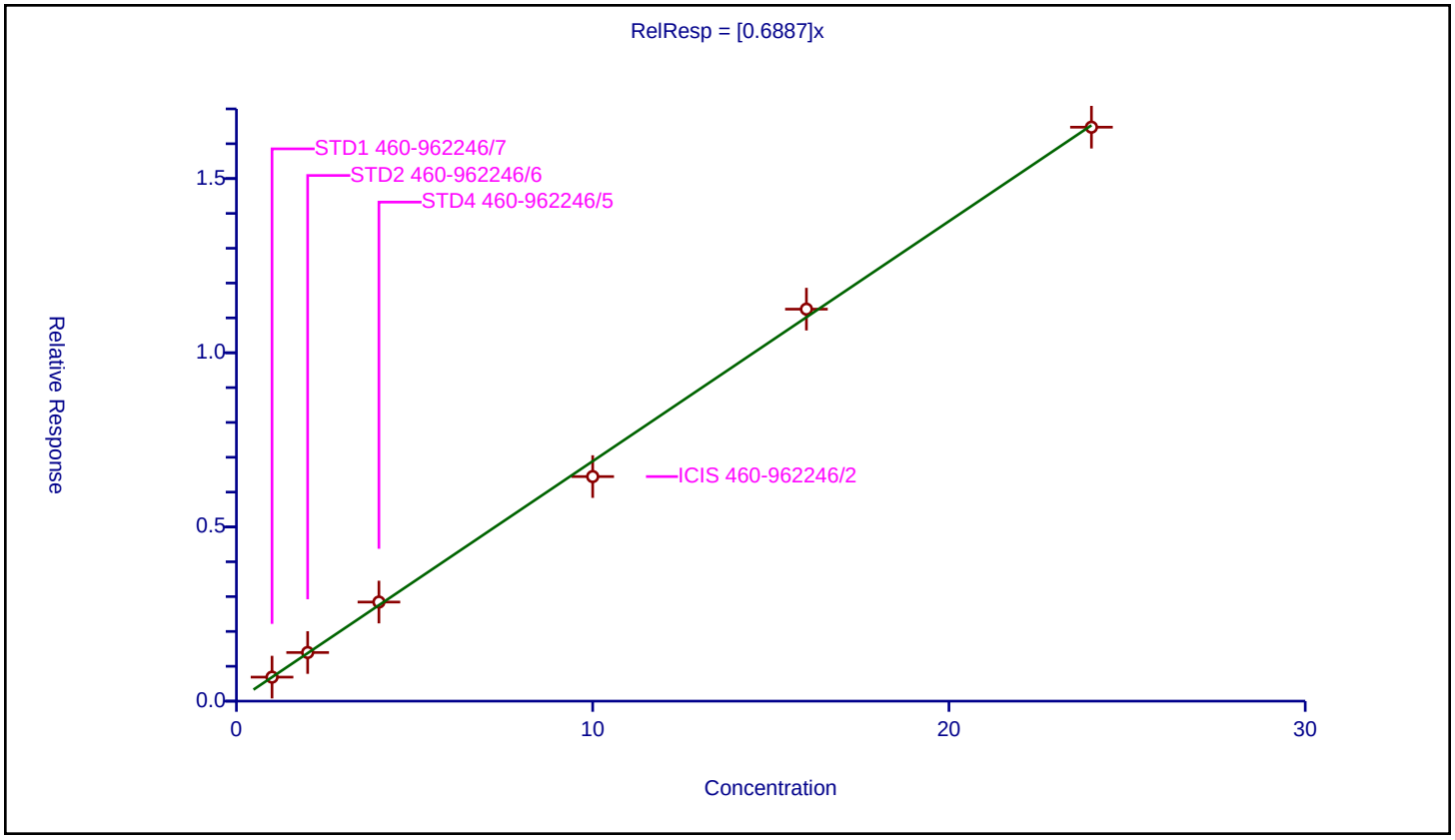
Curve Coefficients

Intercept:	0
Slope:	0.6887

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.688928	8.0	787507.0	0.688928	Y
2	STD2 460-962246/6	2.0	1.39592	8.0	773076.0	0.69796	Y
3	STD4 460-962246/5	4.0	2.844555	8.0	758977.0	0.711139	Y
4	ICIS 460-962246/2	10.0	6.445888	8.0	782399.0	0.644589	Y
5	STD16 460-962246/4	16.0	11.251891	8.0	757275.0	0.703243	Y
6	STD24 460-962246/3	24.0	16.474428	8.0	704427.0	0.686435	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

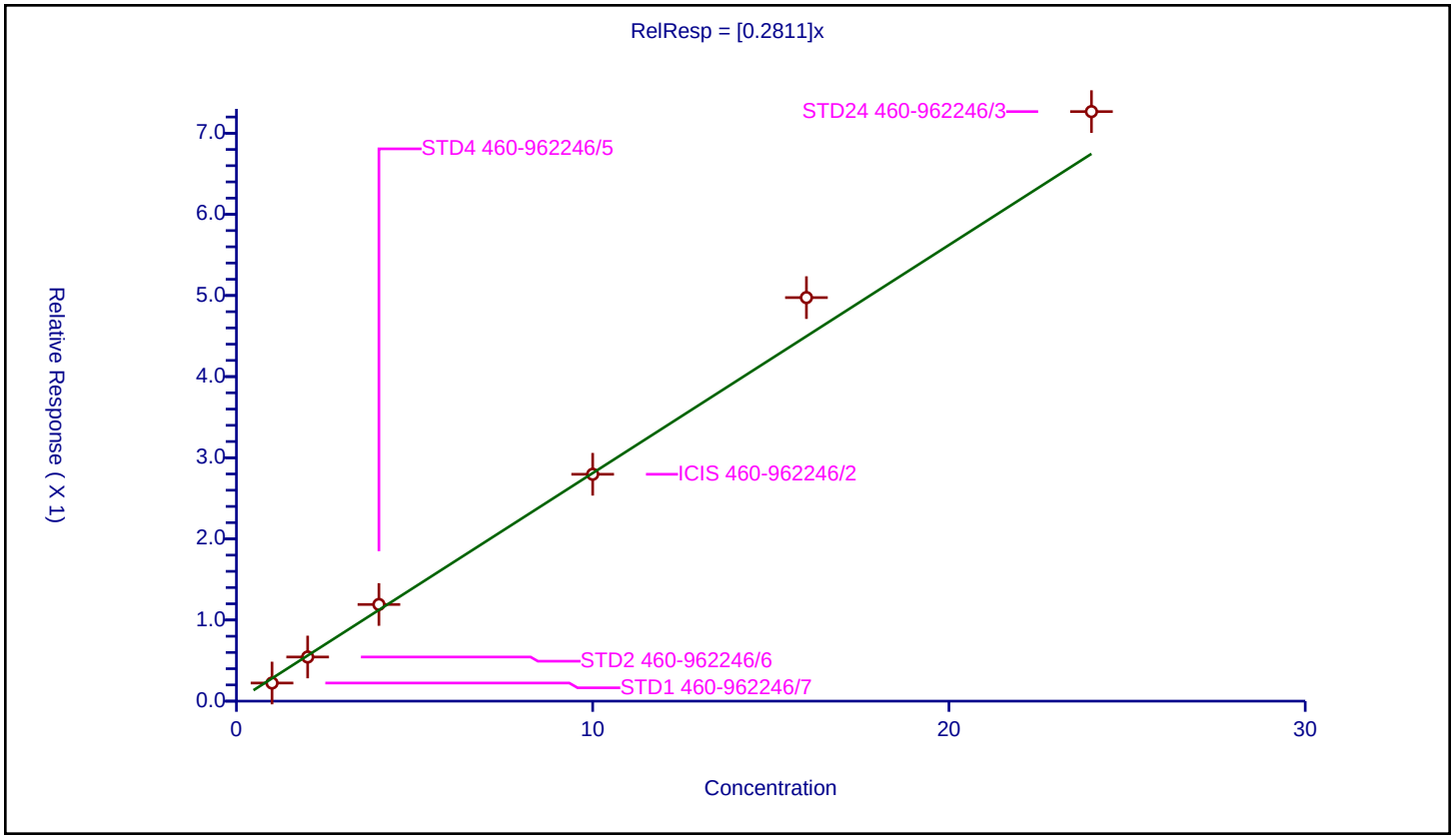
Curve Coefficients

Intercept:	0
Slope:	0.2811

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.223287	8.0	787507.0	0.223287	Y
2	STD2 460-962246/6	2.0	0.544071	8.0	773076.0	0.272035	Y
3	STD4 460-962246/5	4.0	1.19152	8.0	758977.0	0.29788	Y
4	ICIS 460-962246/2	10.0	2.796476	8.0	782399.0	0.279648	Y
5	STD16 460-962246/4	16.0	4.97413	8.0	757275.0	0.310883	Y
6	STD24 460-962246/3	24.0	7.266604	8.0	704427.0	0.302775	Y



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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

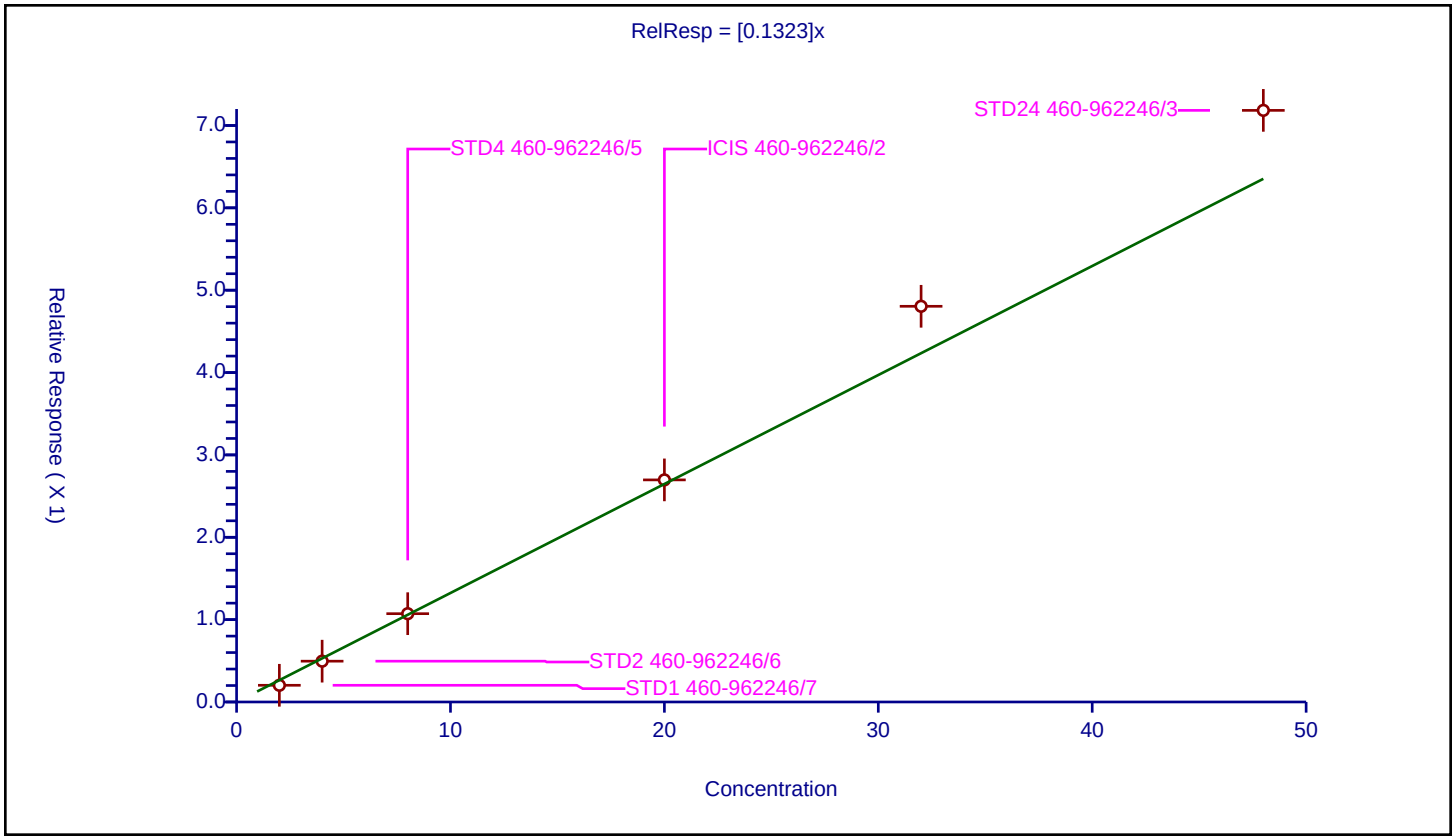
Curve Coefficients

Intercept:	0
Slope:	0.1323

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.202977	8.0	1393221.0	0.101489	Y
2	STD2 460-962246/6	4.0	0.495576	8.0	1350719.0	0.123894	Y
3	STD4 460-962246/5	8.0	1.072153	8.0	1301717.0	0.134019	Y
4	ICIS 460-962246/2	20.0	2.69664	8.0	1324110.0	0.134832	Y
5	STD16 460-962246/4	32.0	4.804737	8.0	1256838.0	0.150148	Y
6	STD24 460-962246/3	48.0	7.183495	8.0	1161095.0	0.149656	Y



Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

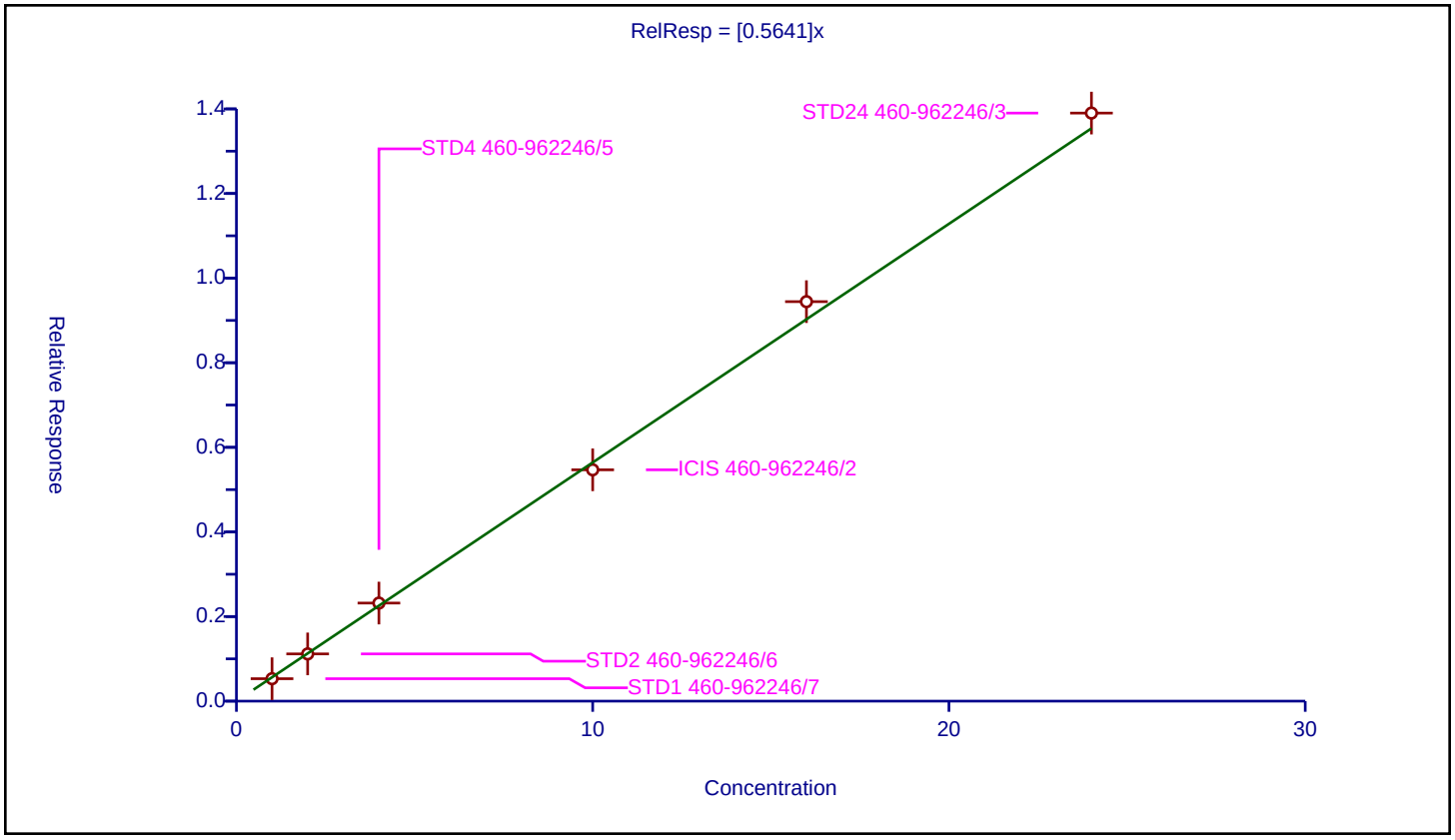
Curve Coefficients

Intercept:	0
Slope:	0.5641

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.530672	8.0	1393221.0	0.530672	Y
2	STD2 460-962246/6	2.0	1.116395	8.0	1350719.0	0.558198	Y
3	STD4 460-962246/5	4.0	2.318372	8.0	1301717.0	0.579593	Y
4	ICIS 460-962246/2	10.0	5.46844	8.0	1324110.0	0.546844	Y
5	STD16 460-962246/4	16.0	9.443922	8.0	1256838.0	0.590245	Y
6	STD24 460-962246/3	24.0	13.901264	8.0	1161095.0	0.579219	Y



Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

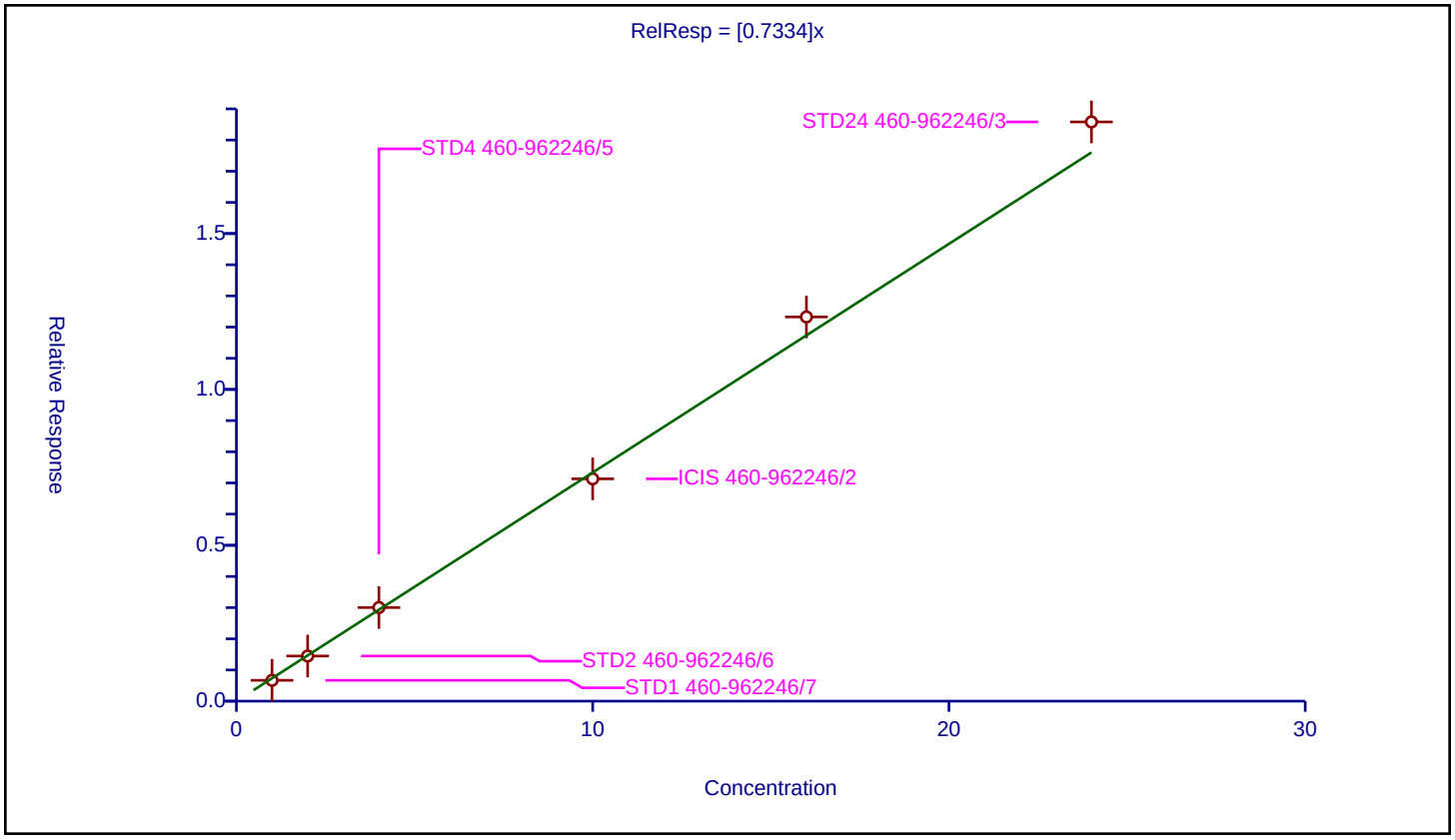
Curve Coefficients

Intercept:	0
Slope:	0.7334

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.668276	8.0	1393221.0	0.668276	Y
2	STD2 460-962246/6	2.0	1.447608	8.0	1350719.0	0.723804	Y
3	STD4 460-962246/5	4.0	3.003289	8.0	1301717.0	0.750822	Y
4	ICIS 460-962246/2	10.0	7.131401	8.0	1324110.0	0.71314	Y
5	STD16 460-962246/4	16.0	12.324872	8.0	1256838.0	0.770305	Y
6	STD24 460-962246/3	24.0	18.580922	8.0	1161095.0	0.774205	Y



Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

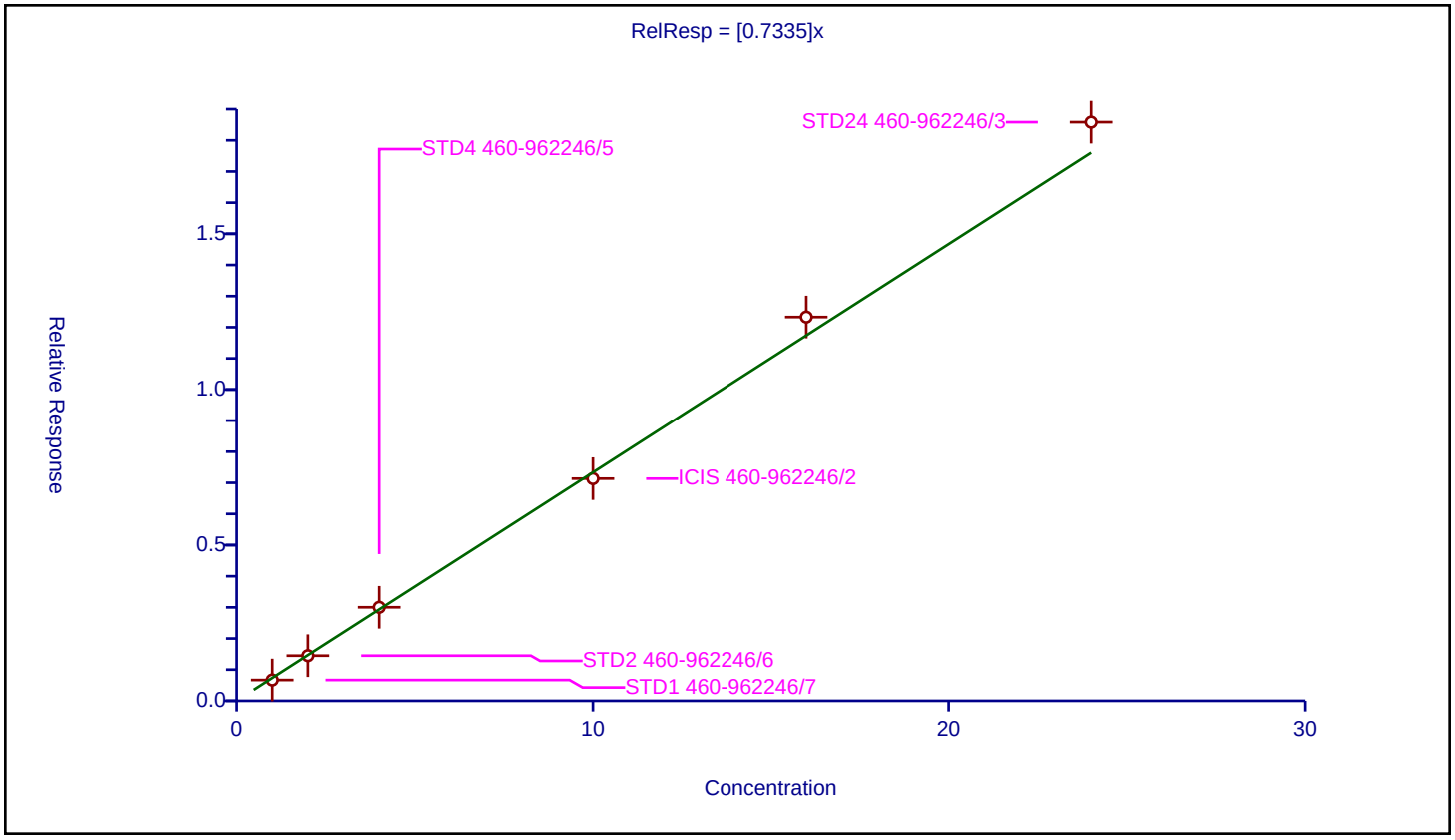
Curve Coefficients

Intercept:	0
Slope:	0.7335

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.667461	8.0	1393221.0	0.667461	Y
2	STD2 460-962246/6	2.0	1.448917	8.0	1350719.0	0.724459	Y
3	STD4 460-962246/5	4.0	3.003289	8.0	1301717.0	0.750822	Y
4	ICIS 460-962246/2	10.0	7.13499	8.0	1324110.0	0.713499	Y
5	STD16 460-962246/4	16.0	12.327469	8.0	1256838.0	0.770467	Y
6	STD24 460-962246/3	24.0	18.582955	8.0	1161095.0	0.77429	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

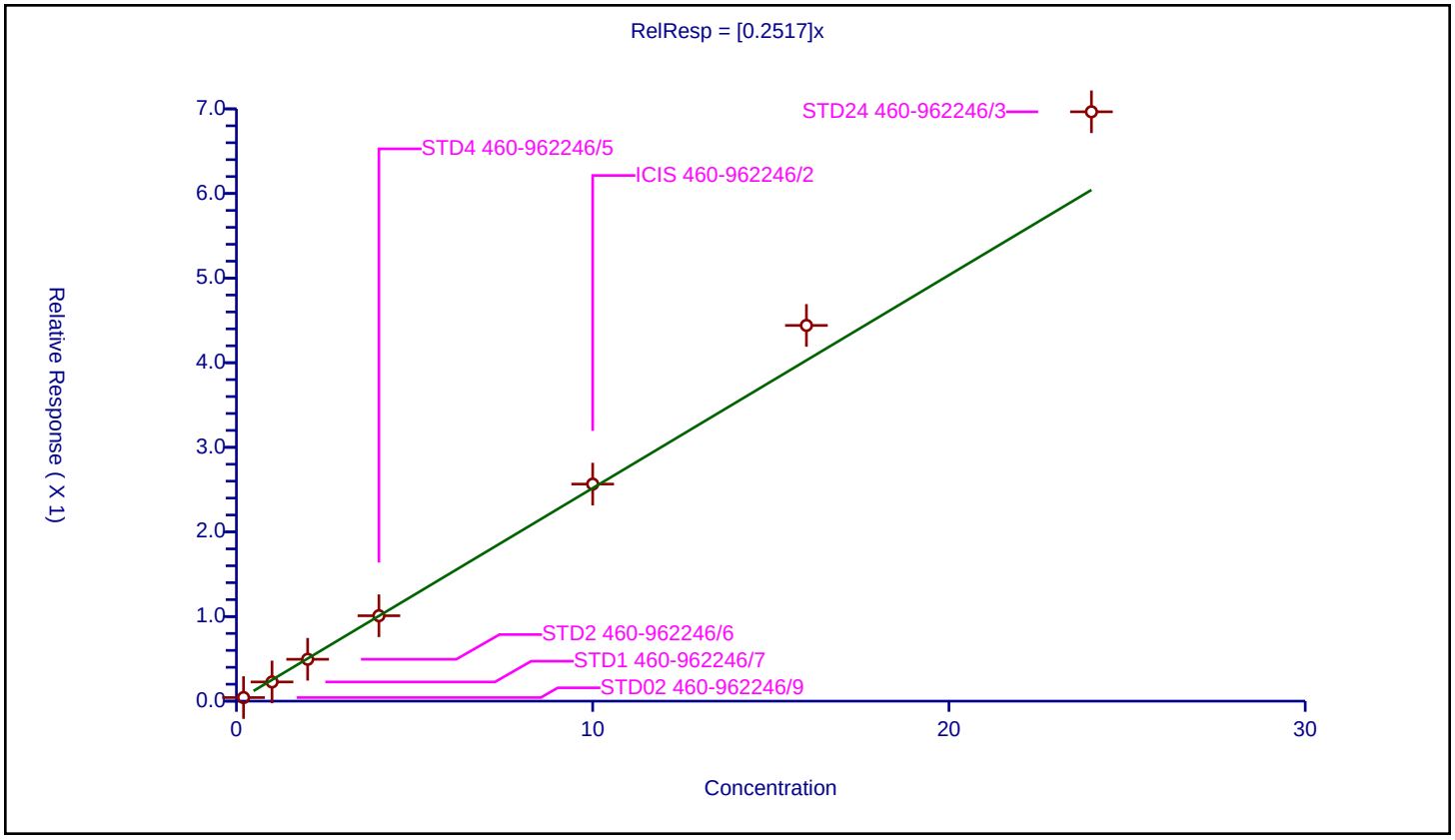
Curve Coefficients

Intercept:	0
Slope:	0.2517

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.042283	8.0	797682.0	0.211413	Y
2	STD1 460-962246/7	1.0	0.226822	8.0	787507.0	0.226822	Y
3	STD2 460-962246/6	2.0	0.494668	8.0	773076.0	0.247334	Y
4	STD4 460-962246/5	4.0	1.009411	8.0	758977.0	0.252353	Y
5	ICIS 460-962246/2	10.0	2.565392	8.0	782399.0	0.256539	Y
6	STD16 460-962246/4	16.0	4.440775	8.0	757275.0	0.277548	Y
7	STD24 460-962246/3	24.0	6.965559	8.0	704427.0	0.290232	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

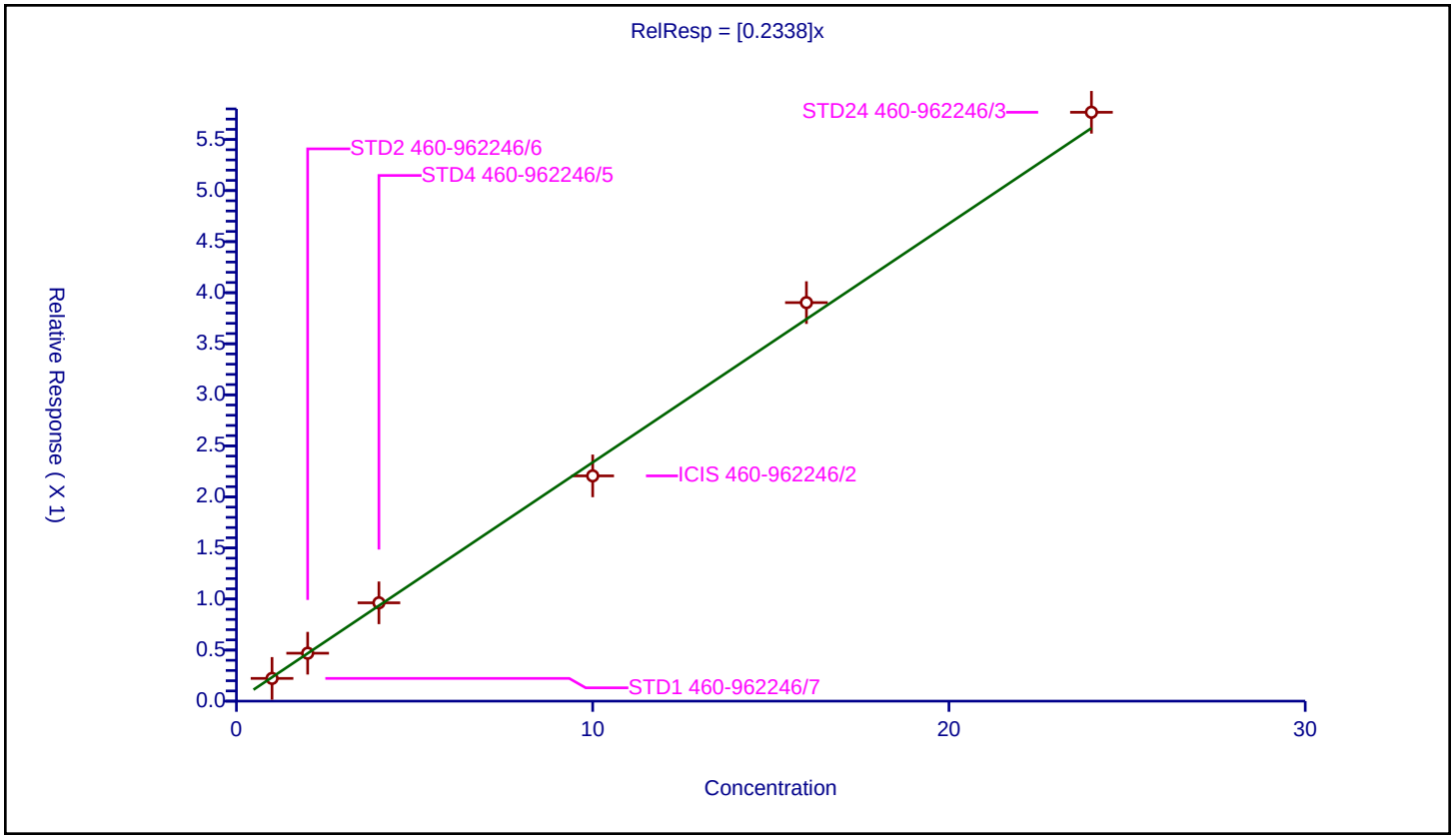
Curve Coefficients

Intercept:	0
Slope:	0.2338

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.222684	8.0	1393221.0	0.222684	Y
2	STD2 460-962246/6	2.0	0.46935	8.0	1350719.0	0.234675	Y
3	STD4 460-962246/5	4.0	0.962888	8.0	1301717.0	0.240722	Y
4	ICIS 460-962246/2	10.0	2.206089	8.0	1324110.0	0.220609	Y
5	STD16 460-962246/4	16.0	3.902963	8.0	1256838.0	0.243935	Y
6	STD24 460-962246/3	24.0	5.766798	8.0	1161095.0	0.240283	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

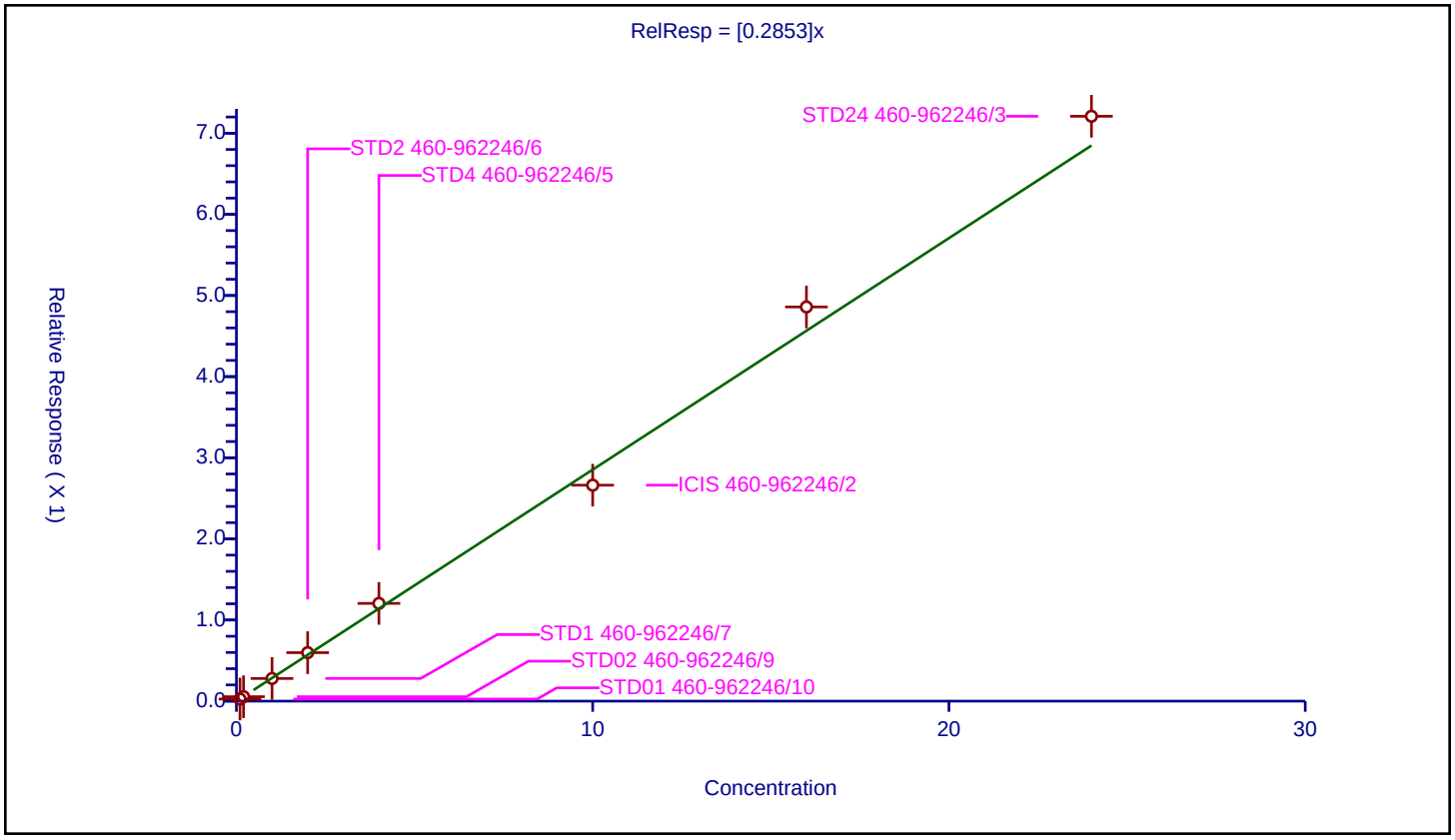
Curve Coefficients

Intercept:	0
Slope:	0.2853

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.025933	8.0	1307083.0	0.259326	Y
2	STD02 460-962246/9	0.2	0.054761	8.0	1435034.0	0.273805	Y
3	STD1 460-962246/7	1.0	0.27933	8.0	1393221.0	0.27933	Y
4	STD2 460-962246/6	2.0	0.597702	8.0	1350719.0	0.298851	Y
5	STD4 460-962246/5	4.0	1.20471	8.0	1301717.0	0.301178	Y
6	ICIS 460-962246/2	10.0	2.661906	8.0	1324110.0	0.266191	Y
7	STD16 460-962246/4	16.0	4.858746	8.0	1256838.0	0.303672	Y
8	STD24 460-962246/3	24.0	7.209167	8.0	1161095.0	0.300382	Y



Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

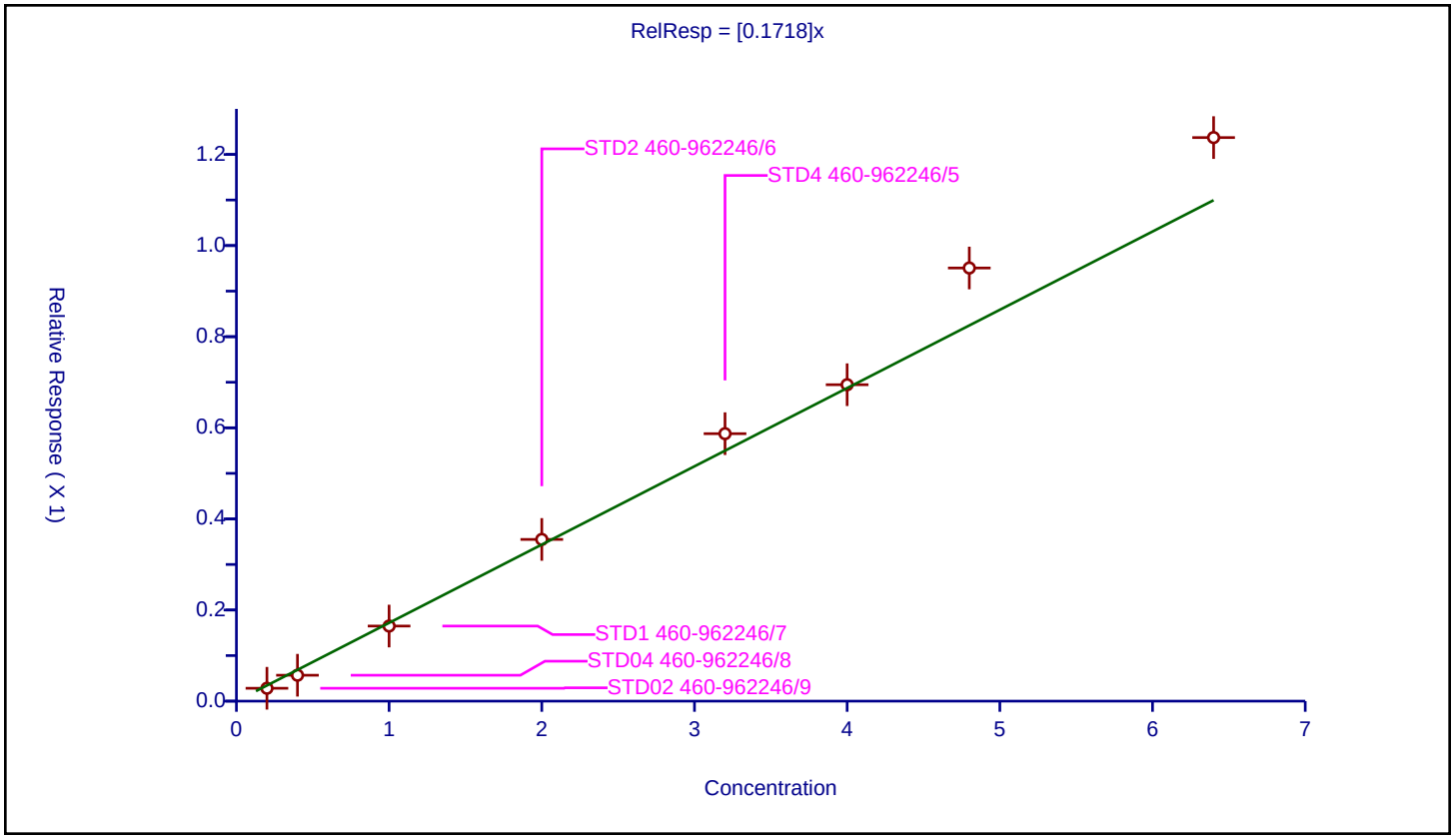
Curve Coefficients

Intercept:	0
Slope:	0.1718

Error Coefficients

Relative Standard Deviation:	12.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.028286	8.0	1435034.0	0.141432	Y
2	STD04 460-962246/8	0.4	0.056864	8.0	1422753.0	0.142161	Y
3	STD1 460-962246/7	1.0	0.164861	8.0	1393221.0	0.164861	Y
4	STD2 460-962246/6	2.0	0.354958	8.0	1350719.0	0.177479	Y
5	STD4 460-962246/5	3.2	0.587089	8.0	1301717.0	0.183465	Y
6	ICIS 460-962246/2	4.0	0.694589	8.0	1324110.0	0.173647	Y
7	STD16 460-962246/4	4.8	0.950773	8.0	1256838.0	0.198078	Y
8	STD24 460-962246/3	6.4	1.237039	8.0	1161095.0	0.193287	Y



Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

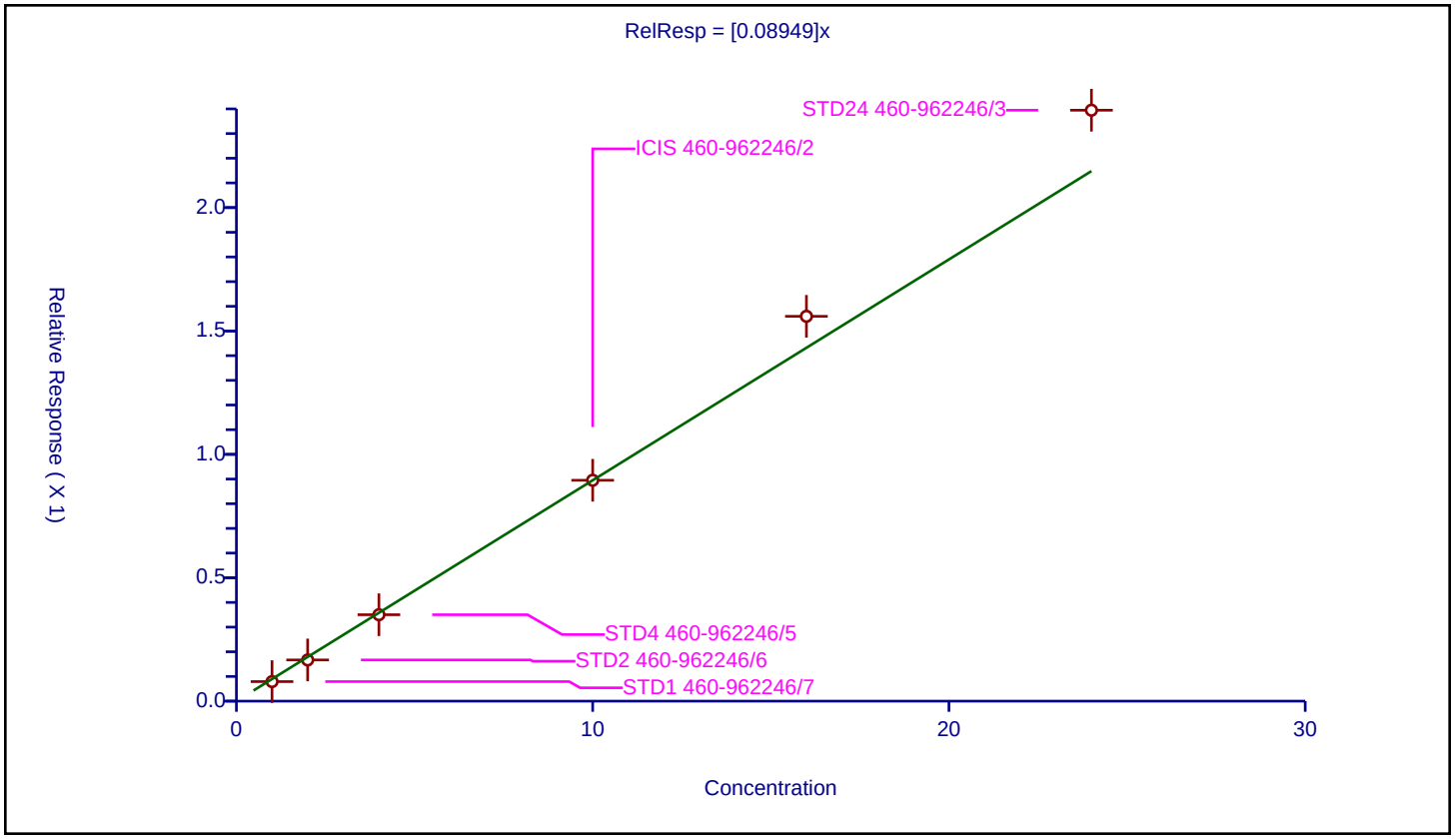
Curve Coefficients

Intercept:	0
Slope:	0.08949

Error Coefficients

Relative Standard Deviation:	8.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.079206	8.0	1393221.0	0.079206	Y
2	STD2 460-962246/6	2.0	0.166916	8.0	1350719.0	0.083458	Y
3	STD4 460-962246/5	4.0	0.350208	8.0	1301717.0	0.087552	Y
4	ICIS 460-962246/2	10.0	0.895056	8.0	1324110.0	0.089506	Y
5	STD16 460-962246/4	16.0	1.559469	8.0	1256838.0	0.097467	Y
6	STD24 460-962246/3	24.0	2.394636	8.0	1161095.0	0.099777	Y



Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

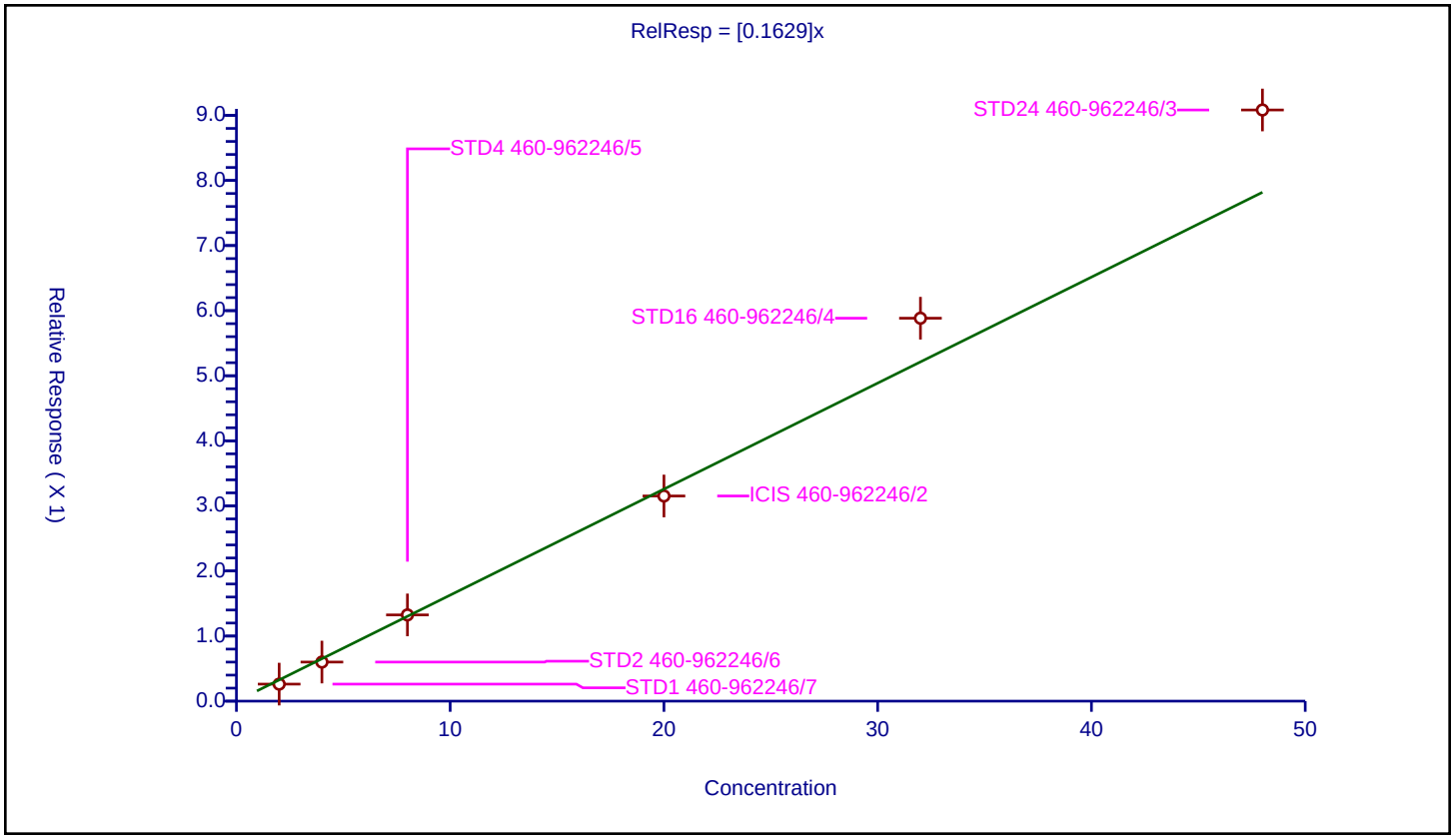
Curve Coefficients

Intercept:	0
Slope:	0.1629

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	2.0	0.261845	8.0	1393221.0	0.130923	Y
2	STD2 460-962246/6	4.0	0.600385	8.0	1350719.0	0.150096	Y
3	STD4 460-962246/5	8.0	1.32481	8.0	1301717.0	0.165601	Y
4	ICIS 460-962246/2	20.0	3.152161	8.0	1324110.0	0.157608	Y
5	STD16 460-962246/4	32.0	5.883692	8.0	1256838.0	0.183865	Y
6	STD24 460-962246/3	48.0	9.08326	8.0	1161095.0	0.189235	Y



Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

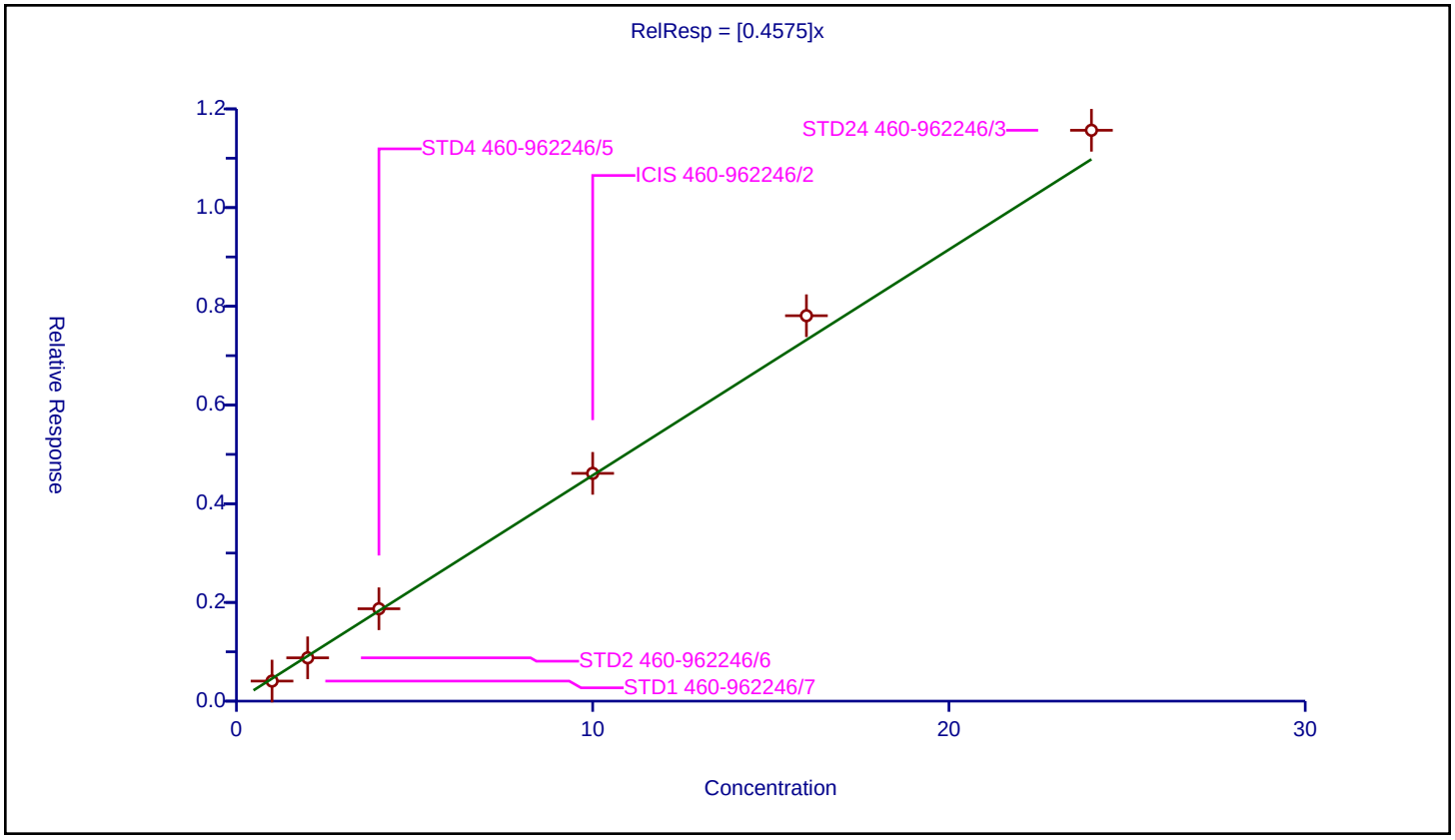
Curve Coefficients

Intercept:	0
Slope:	0.4575

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.40658	8.0	1393221.0	0.40658	Y
2	STD2 460-962246/6	2.0	0.8775	8.0	1350719.0	0.43875	Y
3	STD4 460-962246/5	4.0	1.871848	8.0	1301717.0	0.467962	Y
4	ICIS 460-962246/2	10.0	4.615417	8.0	1324110.0	0.461542	Y
5	STD16 460-962246/4	16.0	7.809497	8.0	1256838.0	0.488094	Y
6	STD24 460-962246/3	24.0	11.566613	8.0	1161095.0	0.481942	Y



Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

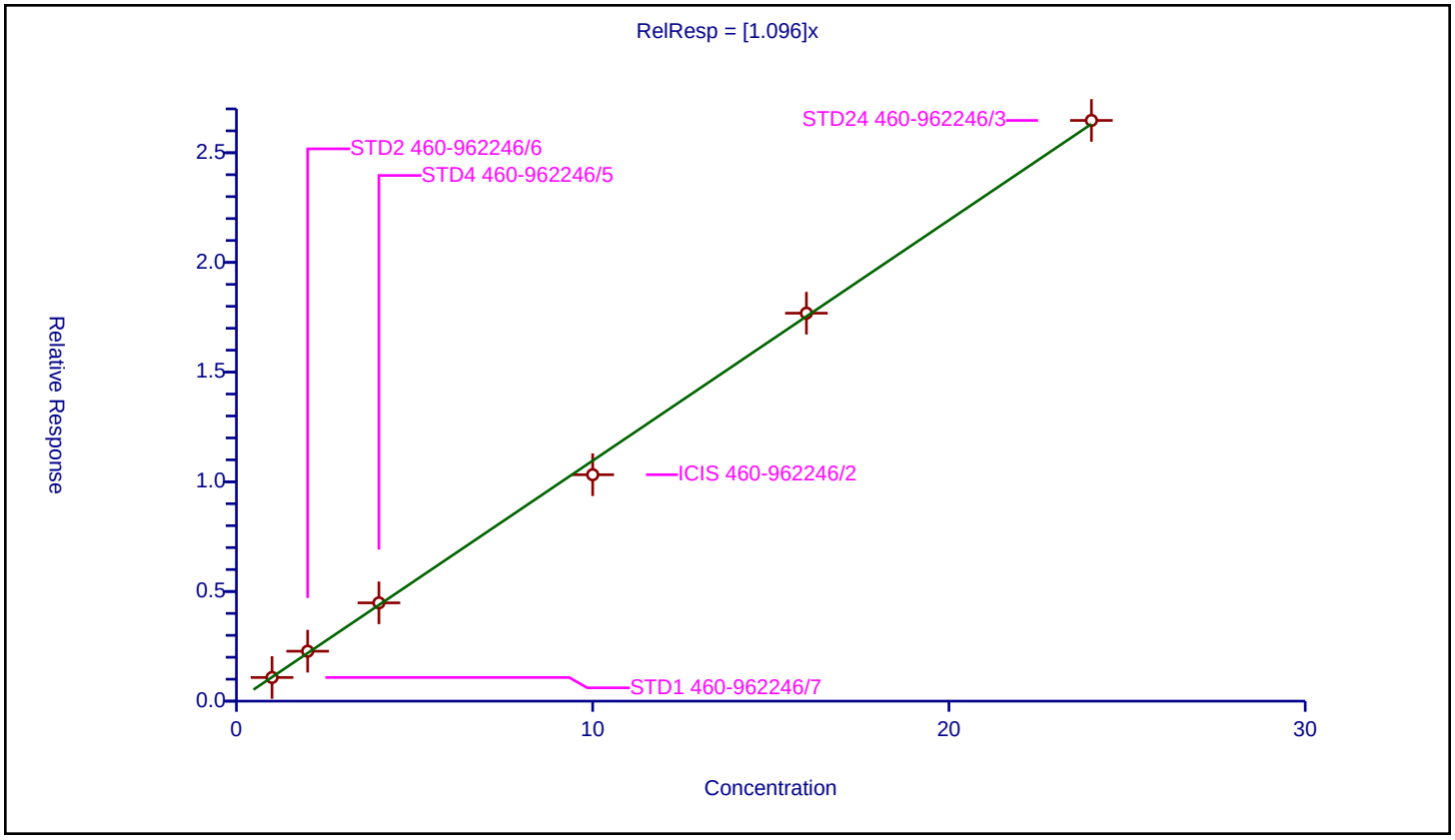
Curve Coefficients

Intercept:	0
Slope:	1.096

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.078479	8.0	1393221.0	1.078479	Y
2	STD2 460-962246/6	2.0	2.275801	8.0	1350719.0	1.137901	Y
3	STD4 460-962246/5	4.0	4.481558	8.0	1301717.0	1.120389	Y
4	ICIS 460-962246/2	10.0	10.323015	8.0	1324110.0	1.032302	Y
5	STD16 460-962246/4	16.0	17.686747	8.0	1256838.0	1.105422	Y
6	STD24 460-962246/3	24.0	26.473968	8.0	1161095.0	1.103082	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

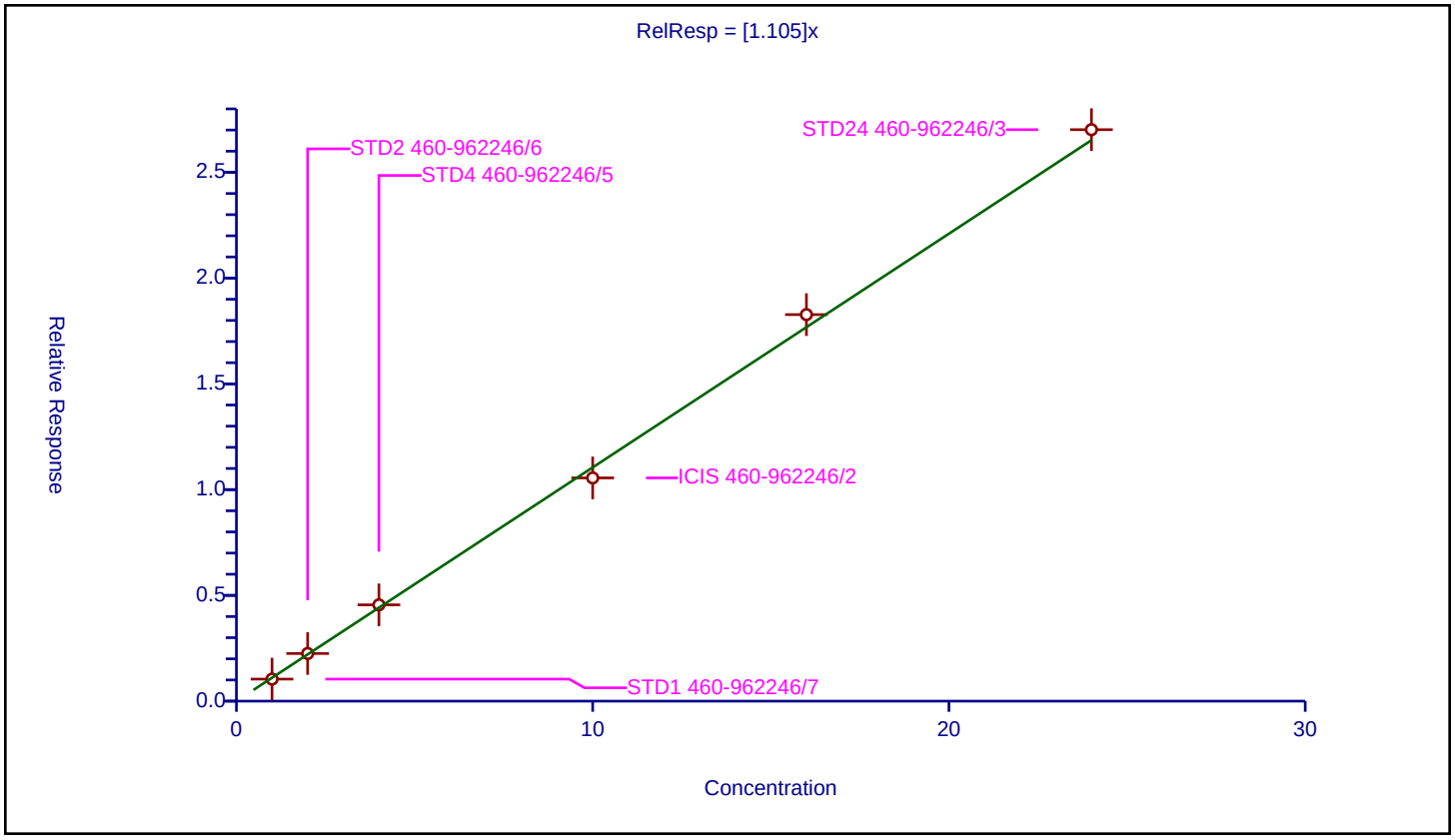
Curve Coefficients

Intercept:	0
Slope:	1.105

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.042425	8.0	1393221.0	1.042425	Y
2	STD2 460-962246/6	2.0	2.252134	8.0	1350719.0	1.126067	Y
3	STD4 460-962246/5	4.0	4.552307	8.0	1301717.0	1.138077	Y
4	ICIS 460-962246/2	10.0	10.554108	8.0	1324110.0	1.055411	Y
5	STD16 460-962246/4	16.0	18.273916	8.0	1256838.0	1.14212	Y
6	STD24 460-962246/3	24.0	27.018344	8.0	1161095.0	1.125764	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

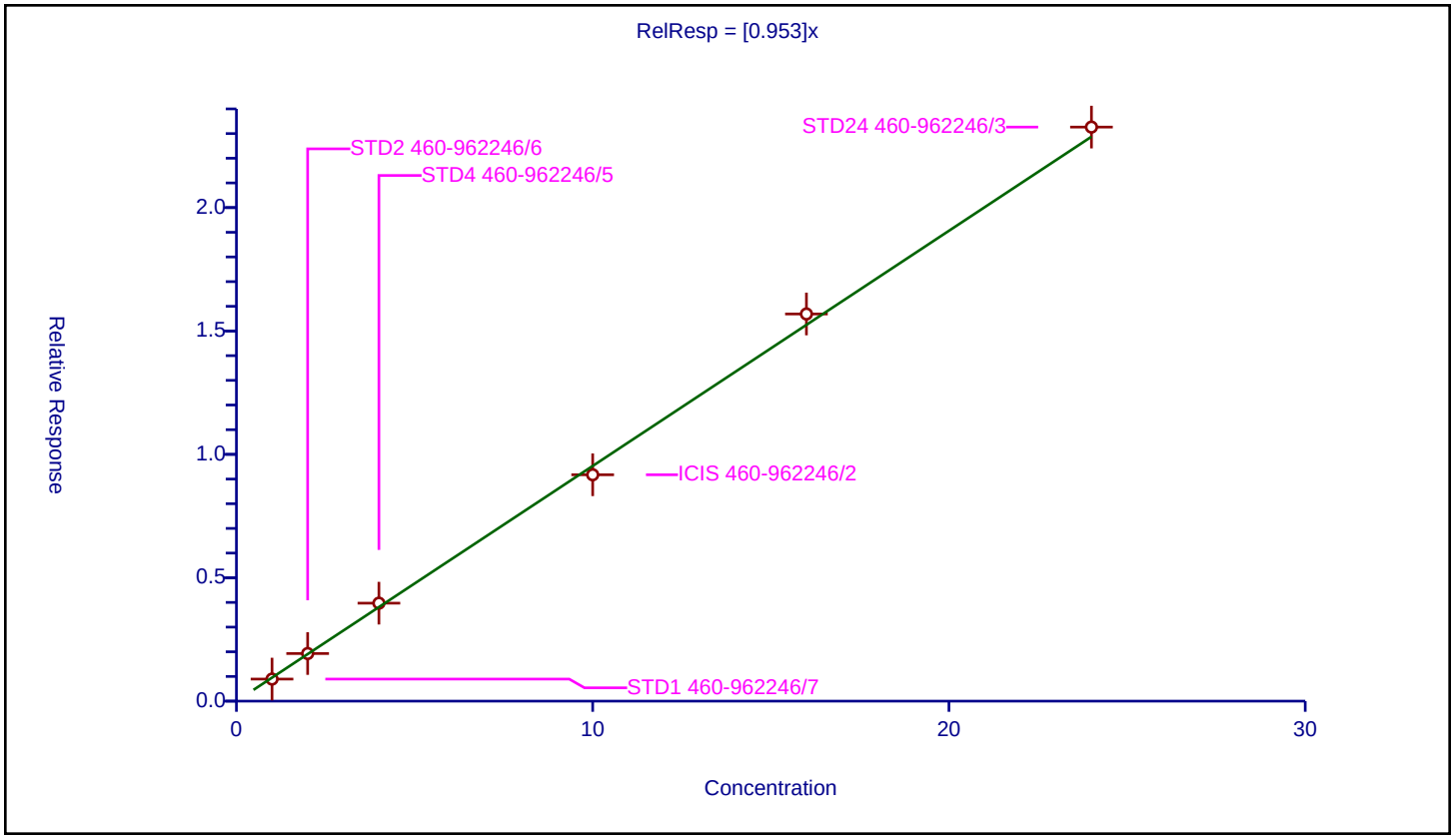
Curve Coefficients

Intercept:	0
Slope:	0.953

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.893946	8.0	1393221.0	0.893946	Y
2	STD2 460-962246/6	2.0	1.928964	8.0	1350719.0	0.964482	Y
3	STD4 460-962246/5	4.0	3.969834	8.0	1301717.0	0.992458	Y
4	ICIS 460-962246/2	10.0	9.173262	8.0	1324110.0	0.917326	Y
5	STD16 460-962246/4	16.0	15.689526	8.0	1256838.0	0.980595	Y
6	STD24 460-962246/3	24.0	23.262296	8.0	1161095.0	0.969262	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

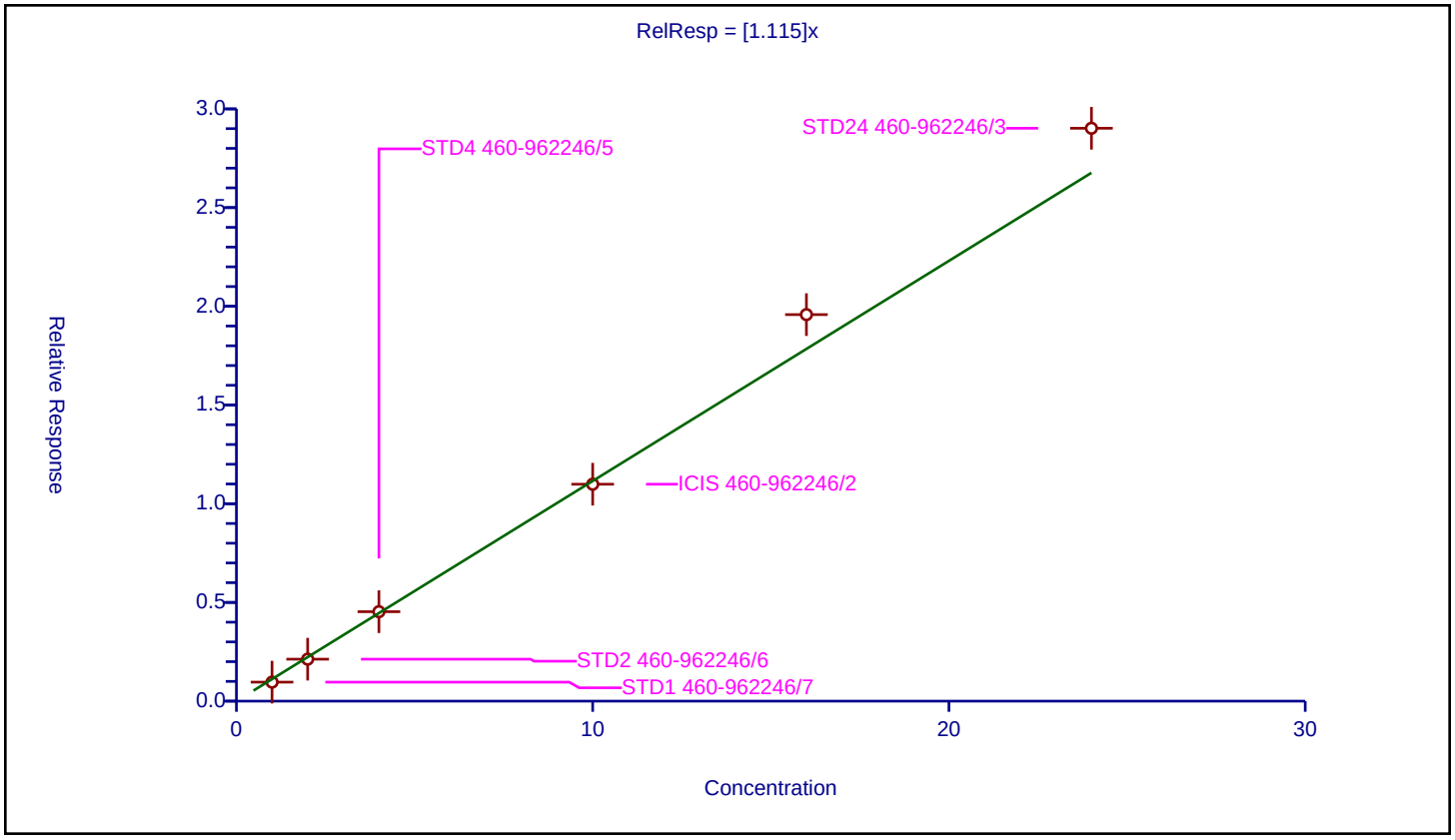
Curve Coefficients

Intercept:	0
Slope:	1.115

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.96323	8.0	1393221.0	0.96323	Y
2	STD2 460-962246/6	2.0	2.12621	8.0	1350719.0	1.063105	Y
3	STD4 460-962246/5	4.0	4.530539	8.0	1301717.0	1.132635	Y
4	ICIS 460-962246/2	10.0	10.987365	8.0	1324110.0	1.098737	Y
5	STD16 460-962246/4	16.0	19.579516	8.0	1256838.0	1.22372	Y
6	STD24 460-962246/3	24.0	29.018876	8.0	1161095.0	1.20912	Y



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Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

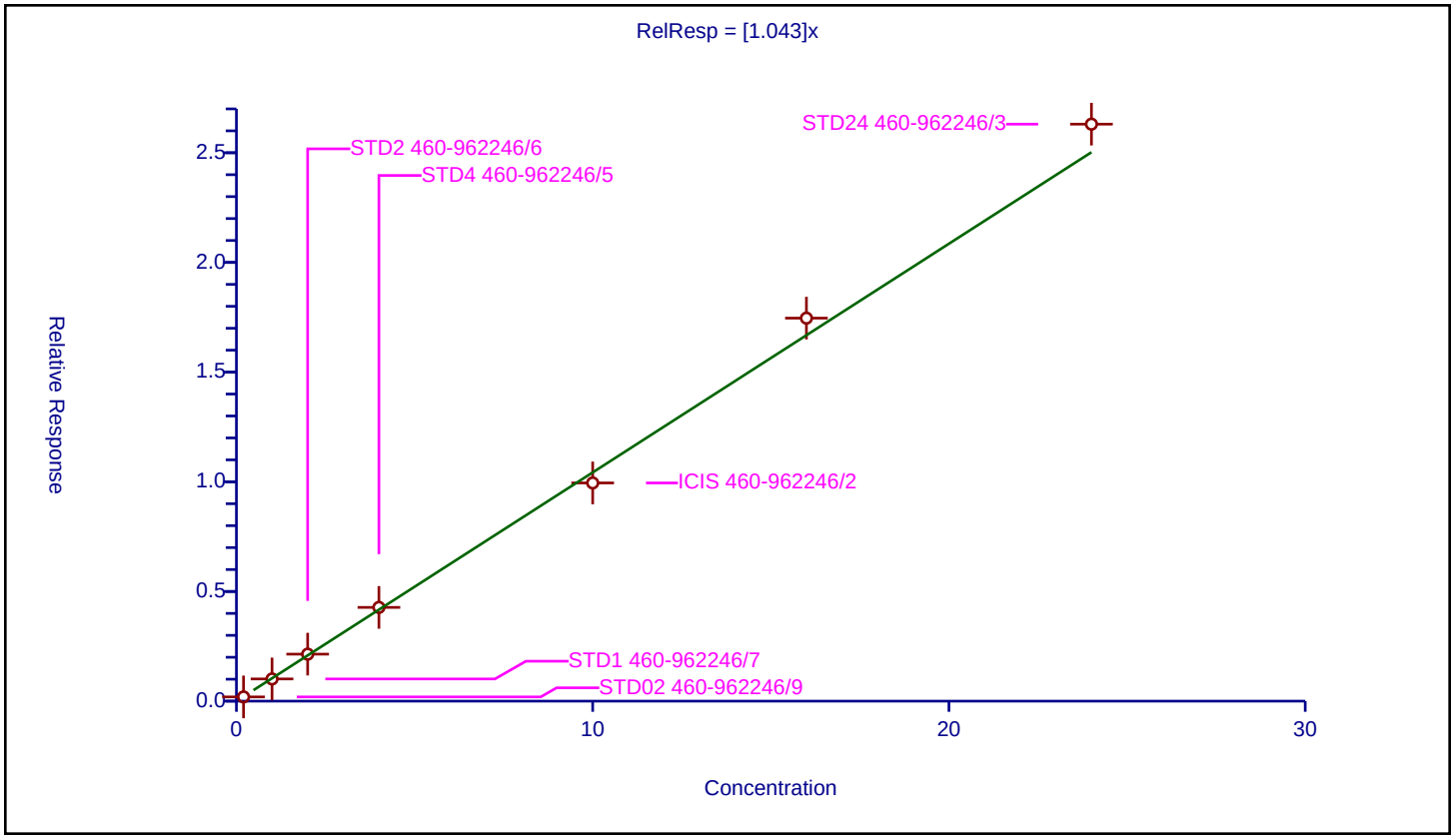
Curve Coefficients

Intercept:	0
Slope:	1.043

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.193027	8.0	1435034.0	0.965134	Y
2	STD1 460-962246/7	1.0	1.011883	8.0	1393221.0	1.011883	Y
3	STD2 460-962246/6	2.0	2.141887	8.0	1350719.0	1.070944	Y
4	STD4 460-962246/5	4.0	4.273851	8.0	1301717.0	1.068463	Y
5	ICIS 460-962246/2	10.0	9.947494	8.0	1324110.0	0.994749	Y
6	STD16 460-962246/4	16.0	17.460688	8.0	1256838.0	1.091293	Y
7	STD24 460-962246/3	24.0	26.304273	8.0	1161095.0	1.096011	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

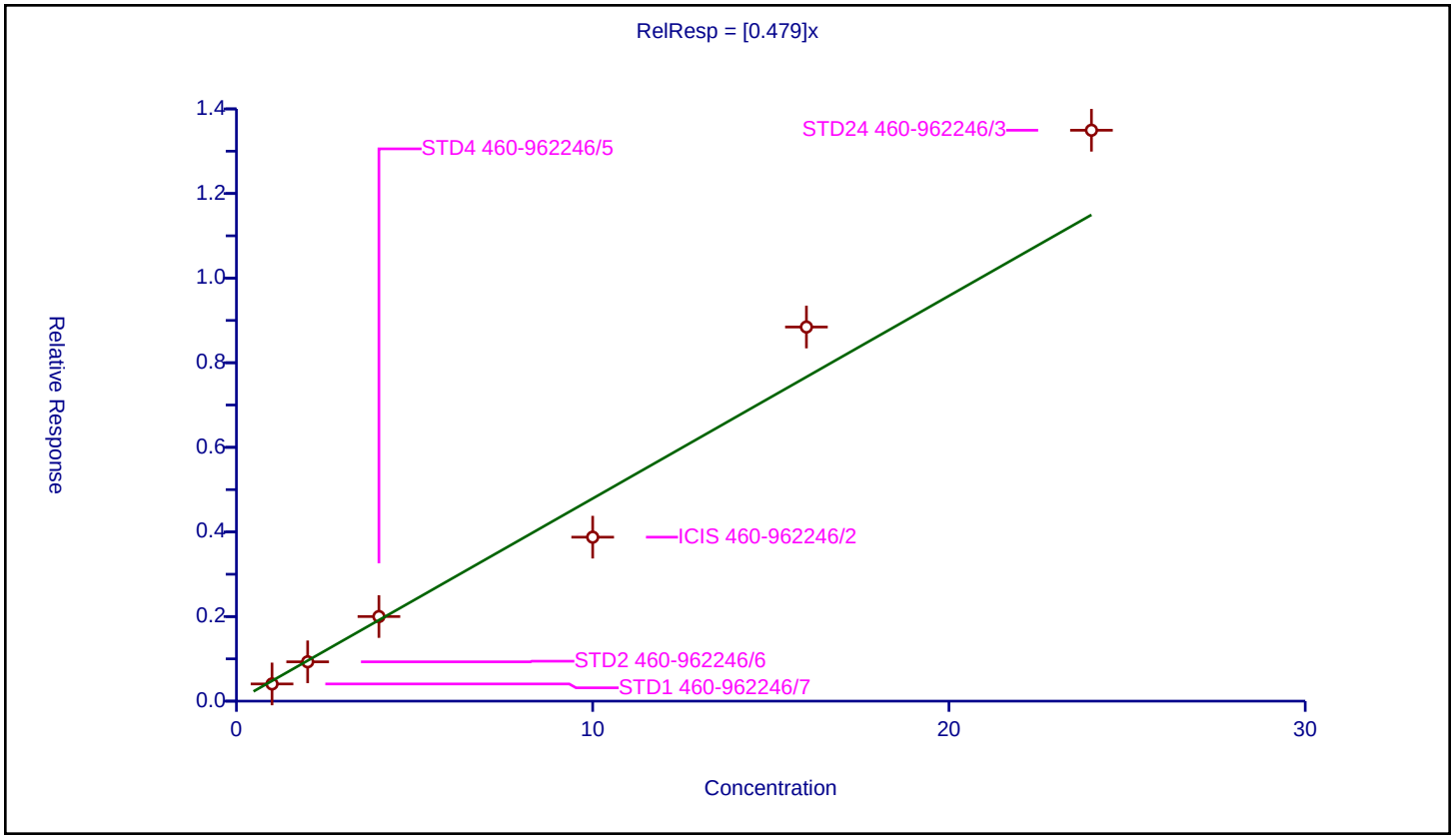
Curve Coefficients

Intercept:	0
Slope:	0.479

Error Coefficients

Relative Standard Deviation:	15.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.406597	8.0	1393221.0	0.406597	Y
2	STD2 460-962246/6	2.0	0.929395	8.0	1350719.0	0.464698	Y
3	STD4 460-962246/5	4.0	1.999765	8.0	1301717.0	0.499941	Y
4	ICIS 460-962246/2	10.0	3.876228	8.0	1324110.0	0.387623	Y
5	STD16 460-962246/4	16.0	8.843864	8.0	1256838.0	0.552741	Y
6	STD24 460-962246/3	24.0	13.495357	8.0	1161095.0	0.562307	Y



Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

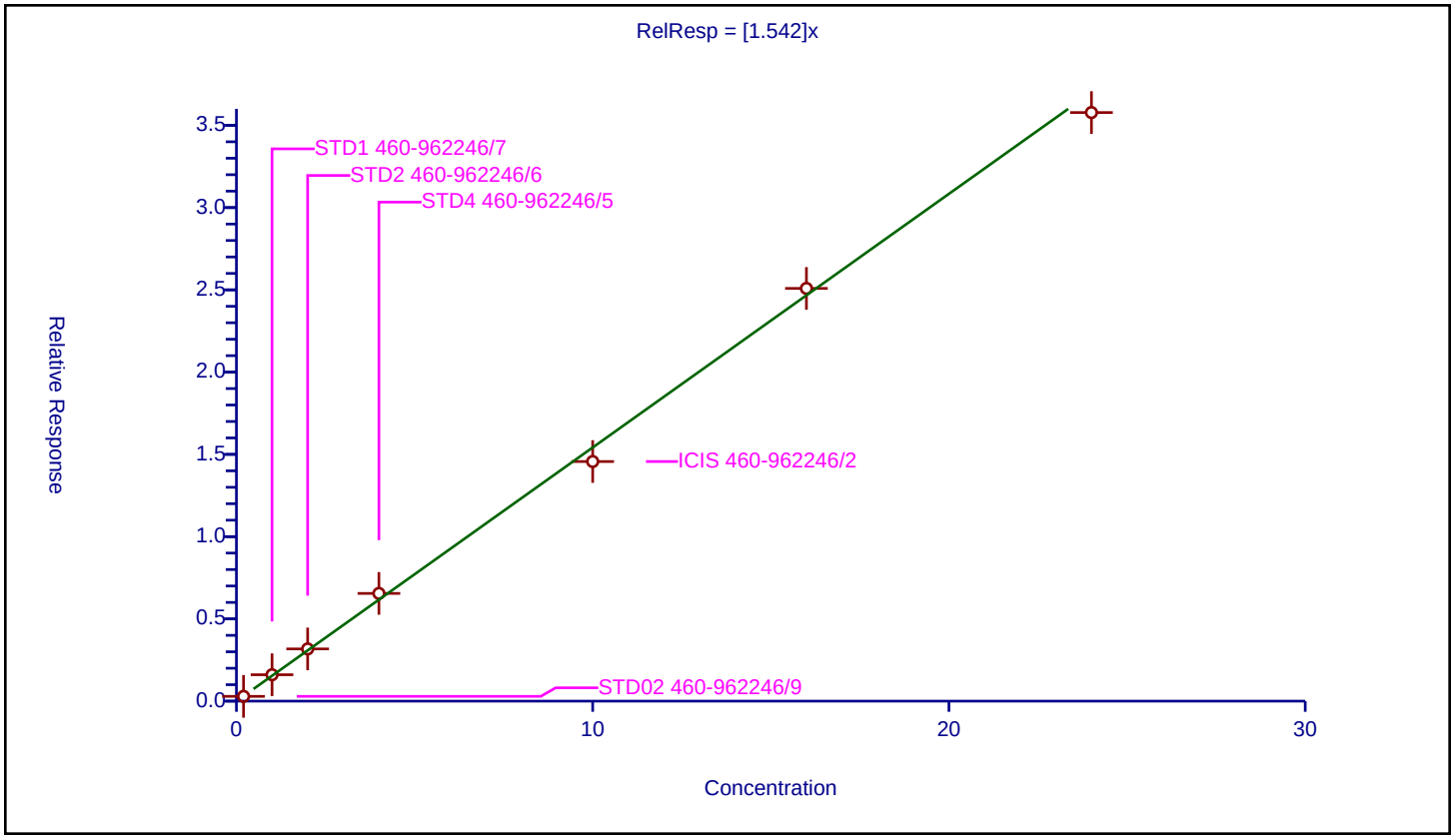
Curve Coefficients

Intercept:	0
Slope:	1.542

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.289892	8.0	921501.0	1.449461	Y
2	STD1 460-962246/7	1.0	1.604431	8.0	924036.0	1.604431	Y
3	STD2 460-962246/6	2.0	3.173491	8.0	939750.0	1.586745	Y
4	STD4 460-962246/5	4.0	6.547946	8.0	886573.0	1.636986	Y
5	ICIS 460-962246/2	10.0	14.565681	8.0	934782.0	1.456568	Y
6	STD16 460-962246/4	16.0	25.087446	8.0	906035.0	1.567965	Y
7	STD24 460-962246/3	24.0	35.777891	8.0	868203.0	1.490745	Y



Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

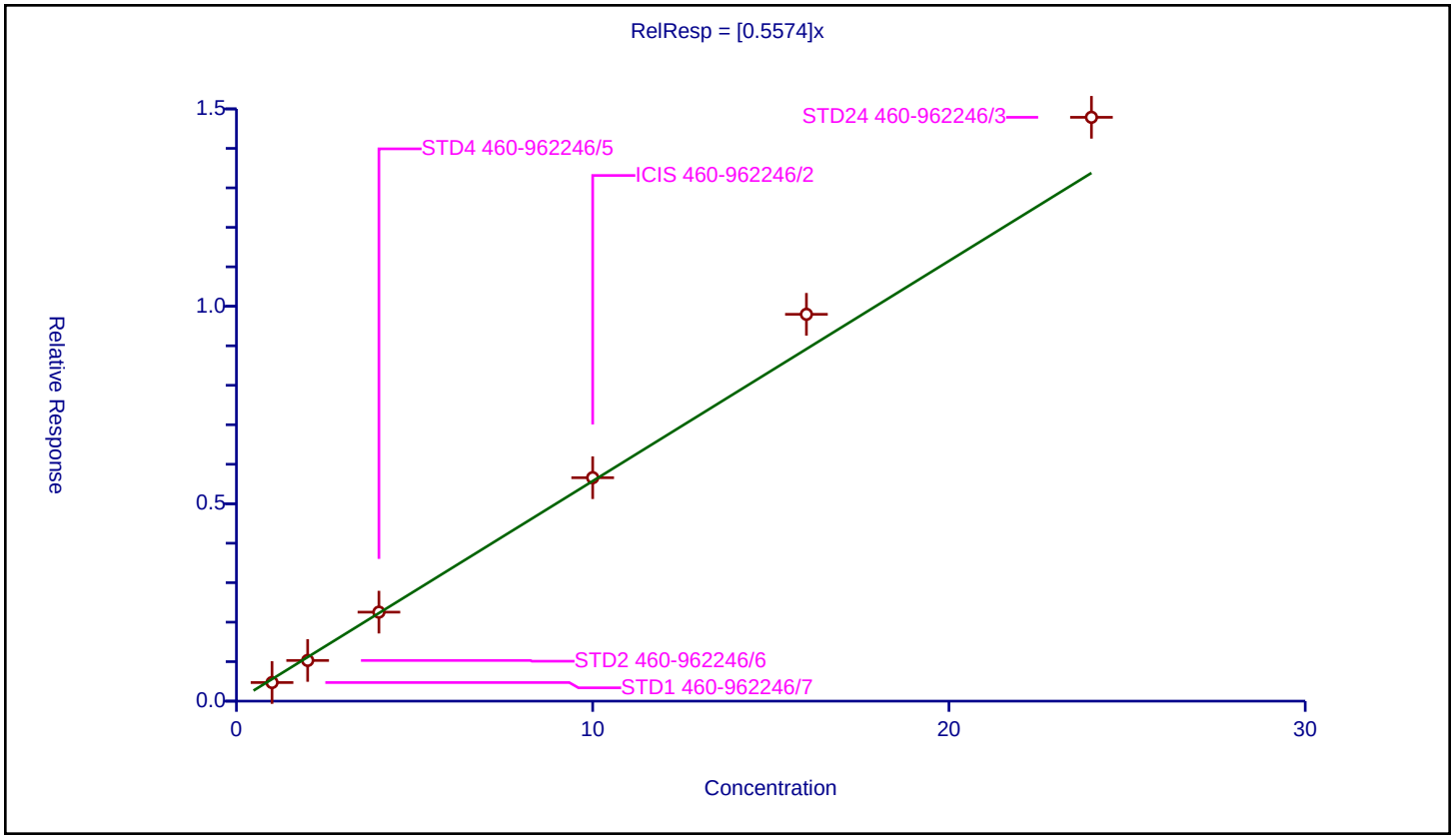
Curve Coefficients

Intercept:	0
Slope:	0.5574

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.471228	8.0	924036.0	0.471228	Y
2	STD2 460-962246/6	2.0	1.030342	8.0	939750.0	0.515171	Y
3	STD4 460-962246/5	4.0	2.254217	8.0	886573.0	0.563554	Y
4	ICIS 460-962246/2	10.0	5.659459	8.0	934782.0	0.565946	Y
5	STD16 460-962246/4	16.0	9.798006	8.0	906035.0	0.612375	Y
6	STD24 460-962246/3	24.0	14.787104	8.0	868203.0	0.616129	Y



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Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

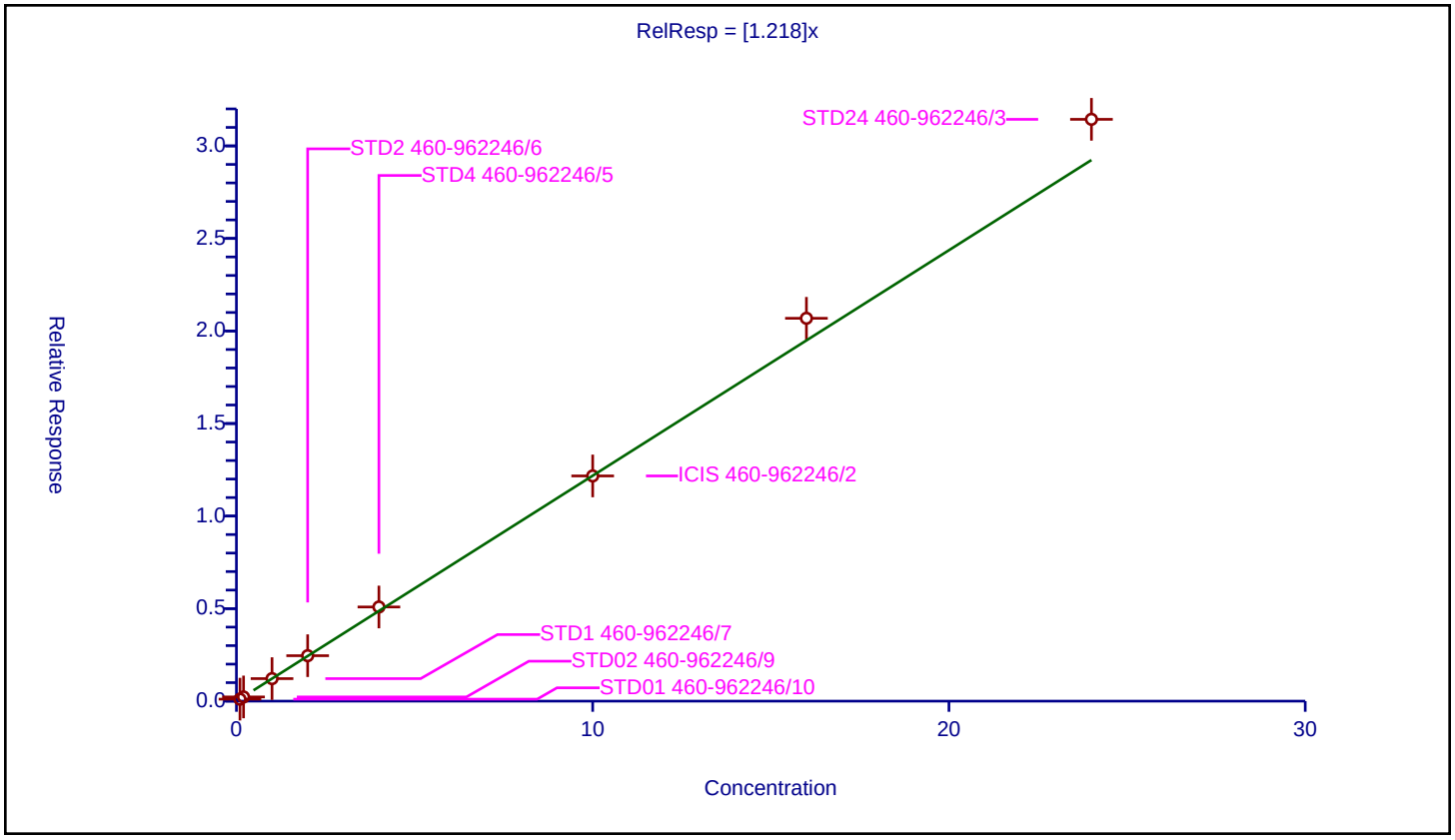
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Relative Standard Deviation:	6.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.107736	8.0	870425.0	1.077359	Y
2	STD02 460-962246/9	0.2	0.226483	8.0	921501.0	1.132413	Y
3	STD1 460-962246/7	1.0	1.216888	8.0	924036.0	1.216888	Y
4	STD2 460-962246/6	2.0	2.455351	8.0	939750.0	1.227675	Y
5	STD4 460-962246/5	4.0	5.087346	8.0	886573.0	1.271837	Y
6	ICIS 460-962246/2	10.0	12.167474	8.0	934782.0	1.216747	Y
7	STD16 460-962246/4	16.0	20.686653	8.0	906035.0	1.292916	Y
8	STD24 460-962246/3	24.0	31.436215	8.0	868203.0	1.309842	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

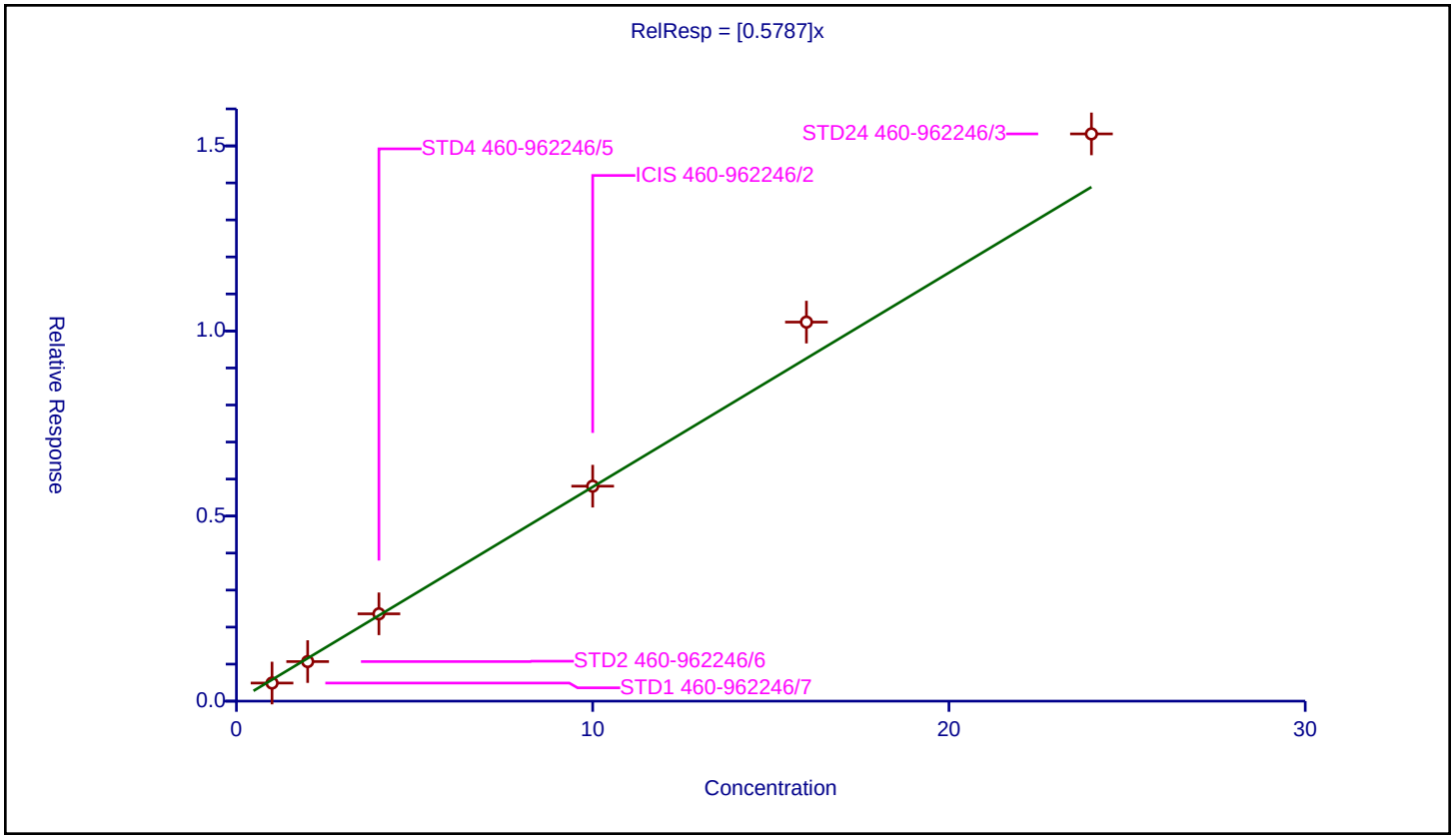
Curve Coefficients

Intercept:	0
Slope:	0.5787

Error Coefficients

Relative Standard Deviation:	10.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.4887	8.0	924036.0	0.4887	Y
2	STD2 460-962246/6	2.0	1.069144	8.0	939750.0	0.534572	Y
3	STD4 460-962246/5	4.0	2.358944	8.0	886573.0	0.589736	Y
4	ICIS 460-962246/2	10.0	5.808037	8.0	934782.0	0.580804	Y
5	STD16 460-962246/4	16.0	10.240099	8.0	906035.0	0.640006	Y
6	STD24 460-962246/3	24.0	15.324186	8.0	868203.0	0.638508	Y



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Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

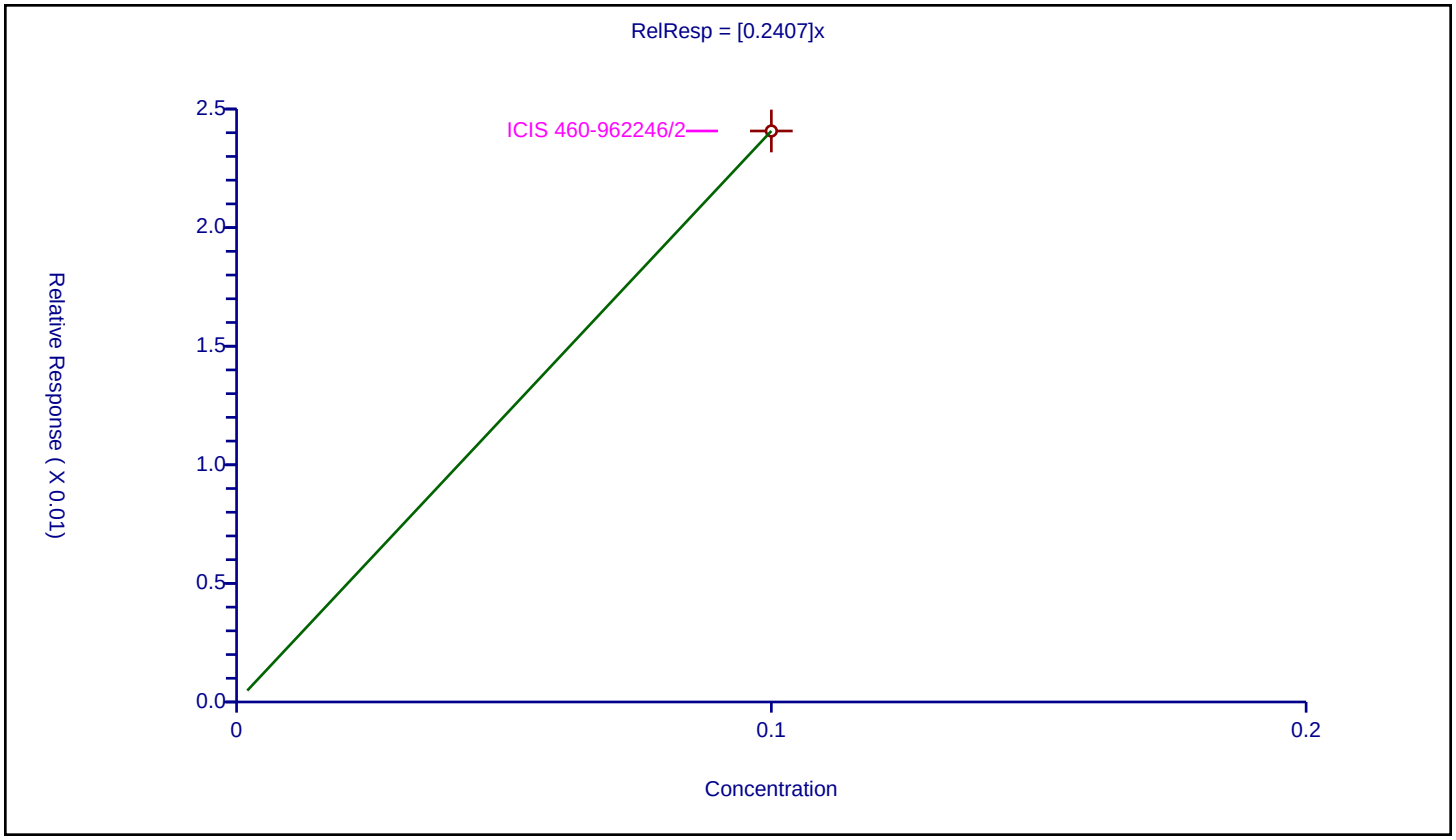
Curve Coefficients

Intercept:	0
Slope:	0.2407

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-962246/2	0.1	0.024074	8.0	934782.0	0.240741	Y



Calibration / Carbamazepine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

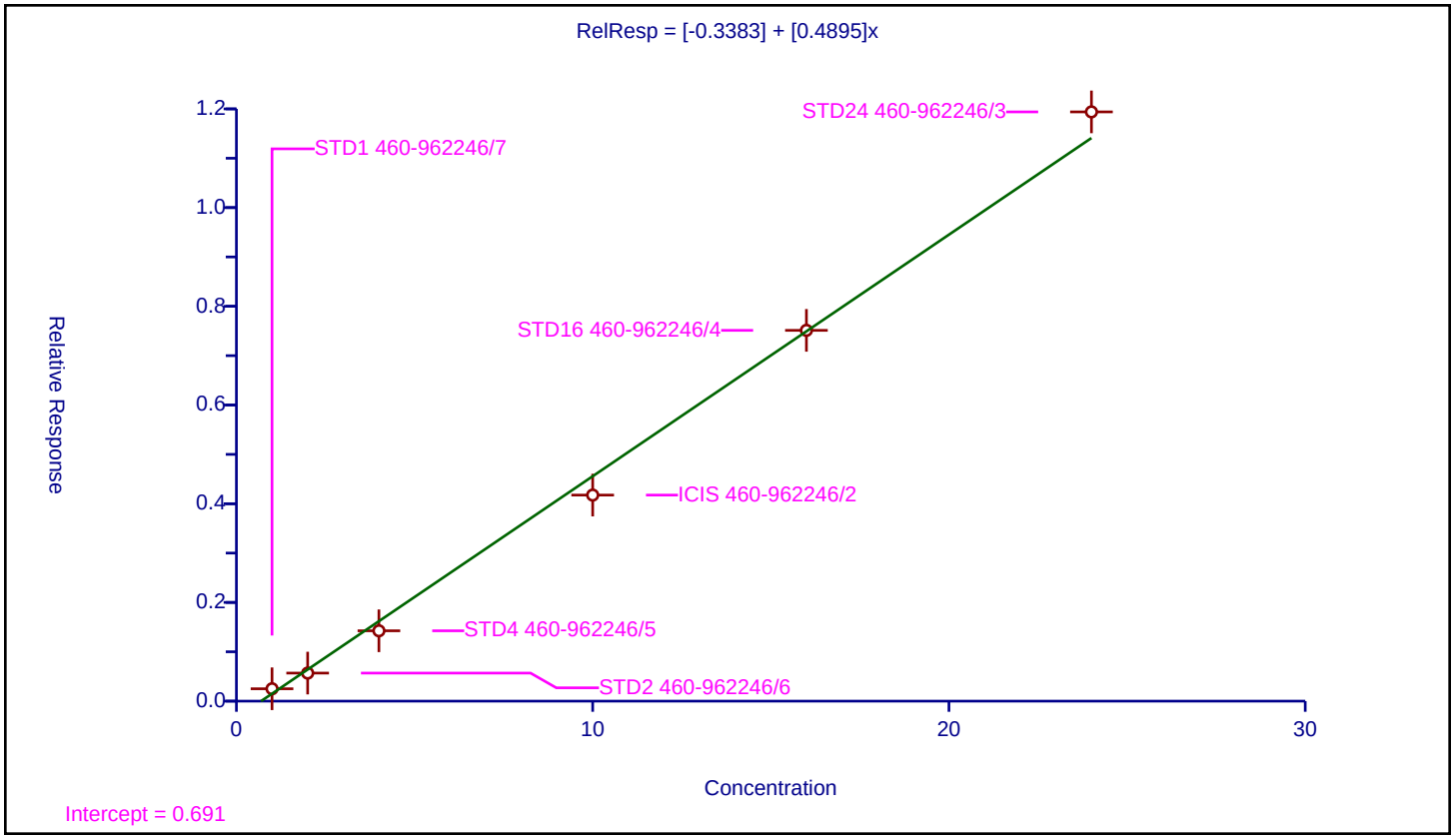
Curve Coefficients

Intercept:	-0.3383
Slope:	0.4895

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	0.250683	8.0	924036.0	0.250683	Y
2	STD2 460-962246/6	2.0	0.568764	8.0	939750.0	0.284382	Y
3	STD4 460-962246/5	4.0	1.425236	8.0	886573.0	0.356309	Y
4	ICIS 460-962246/2	10.0	4.175117	8.0	934782.0	0.417512	Y
5	STD16 460-962246/4	16.0	7.512964	8.0	906035.0	0.46956	Y
6	STD24 460-962246/3	24.0	11.938784	8.0	868203.0	0.497449	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

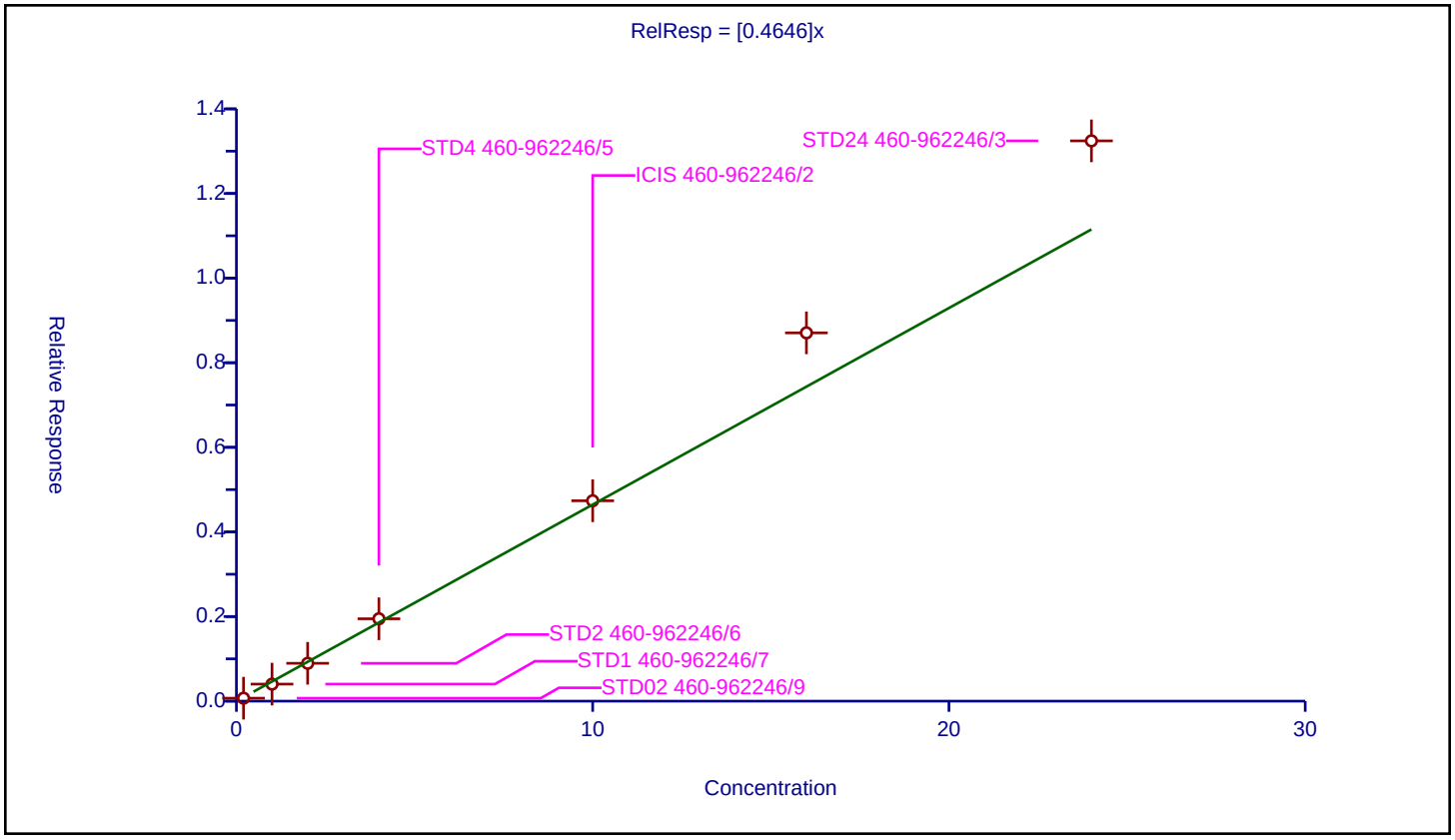
Curve Coefficients

Intercept:	0
Slope:	0.4646

Error Coefficients

Relative Standard Deviation:	15.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.069296	8.0	921501.0	0.346478	Y
2	STD1 460-962246/7	1.0	0.402512	8.0	924036.0	0.402512	Y
3	STD2 460-962246/6	2.0	0.894314	8.0	939750.0	0.447157	Y
4	STD4 460-962246/5	4.0	1.946759	8.0	886573.0	0.48669	Y
5	ICIS 460-962246/2	10.0	4.736925	8.0	934782.0	0.473692	Y
6	STD16 460-962246/4	16.0	8.705447	8.0	906035.0	0.54409	Y
7	STD24 460-962246/3	24.0	13.243723	8.0	868203.0	0.551822	Y



Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

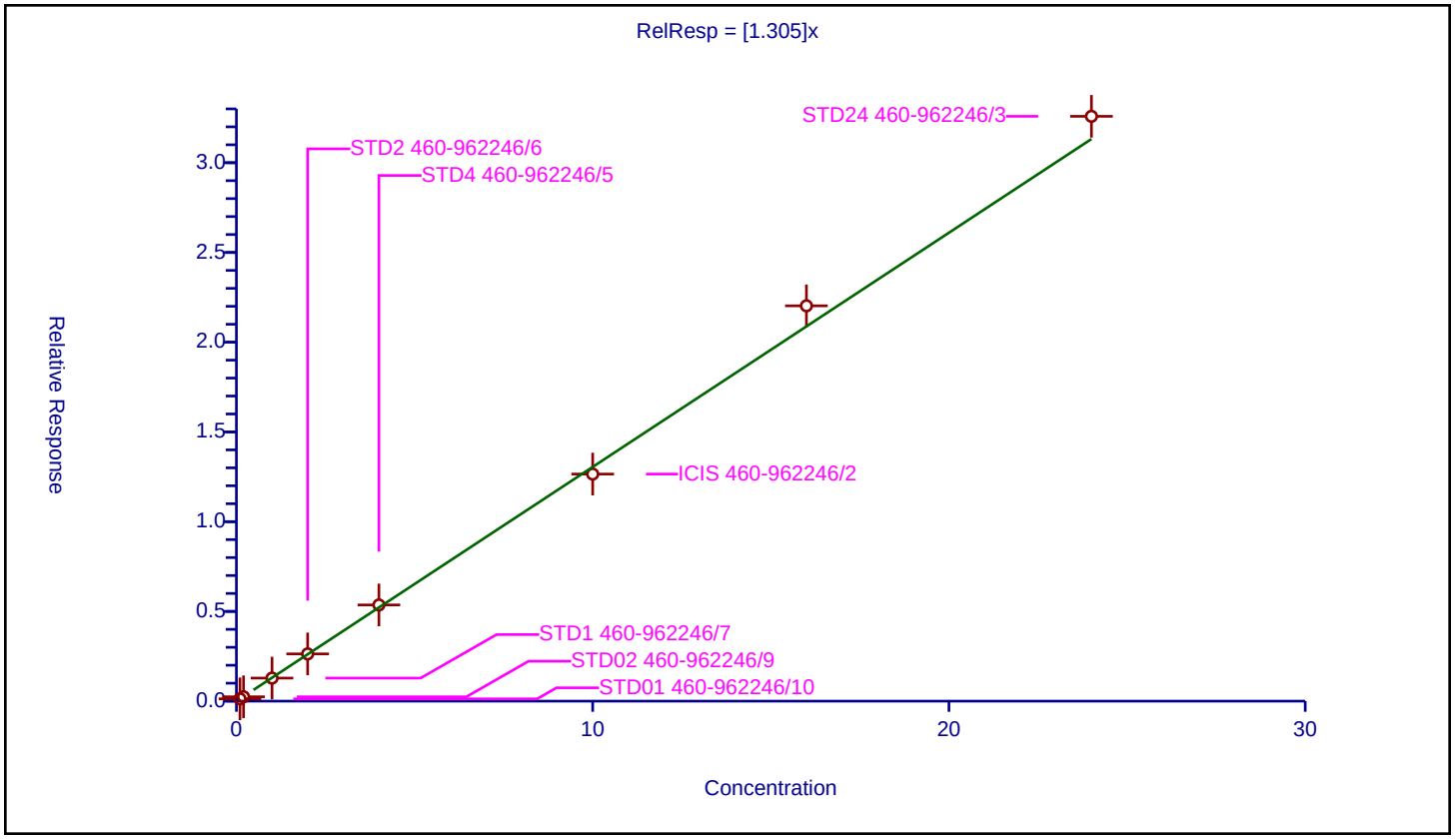
Curve Coefficients

Intercept:	0
Slope:	1.305

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.128535	8.0	870425.0	1.285349	Y
2	STD02 460-962246/9	0.2	0.242969	8.0	921501.0	1.214844	Y
3	STD1 460-962246/7	1.0	1.284175	8.0	924036.0	1.284175	Y
4	STD2 460-962246/6	2.0	2.63213	8.0	939750.0	1.316065	Y
5	STD4 460-962246/5	4.0	5.360127	8.0	886573.0	1.340032	Y
6	ICIS 460-962246/2	10.0	12.652079	8.0	934782.0	1.265208	Y
7	STD16 460-962246/4	16.0	22.02707	8.0	906035.0	1.376692	Y
8	STD24 460-962246/3	24.0	32.585697	8.0	868203.0	1.357737	Y



Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

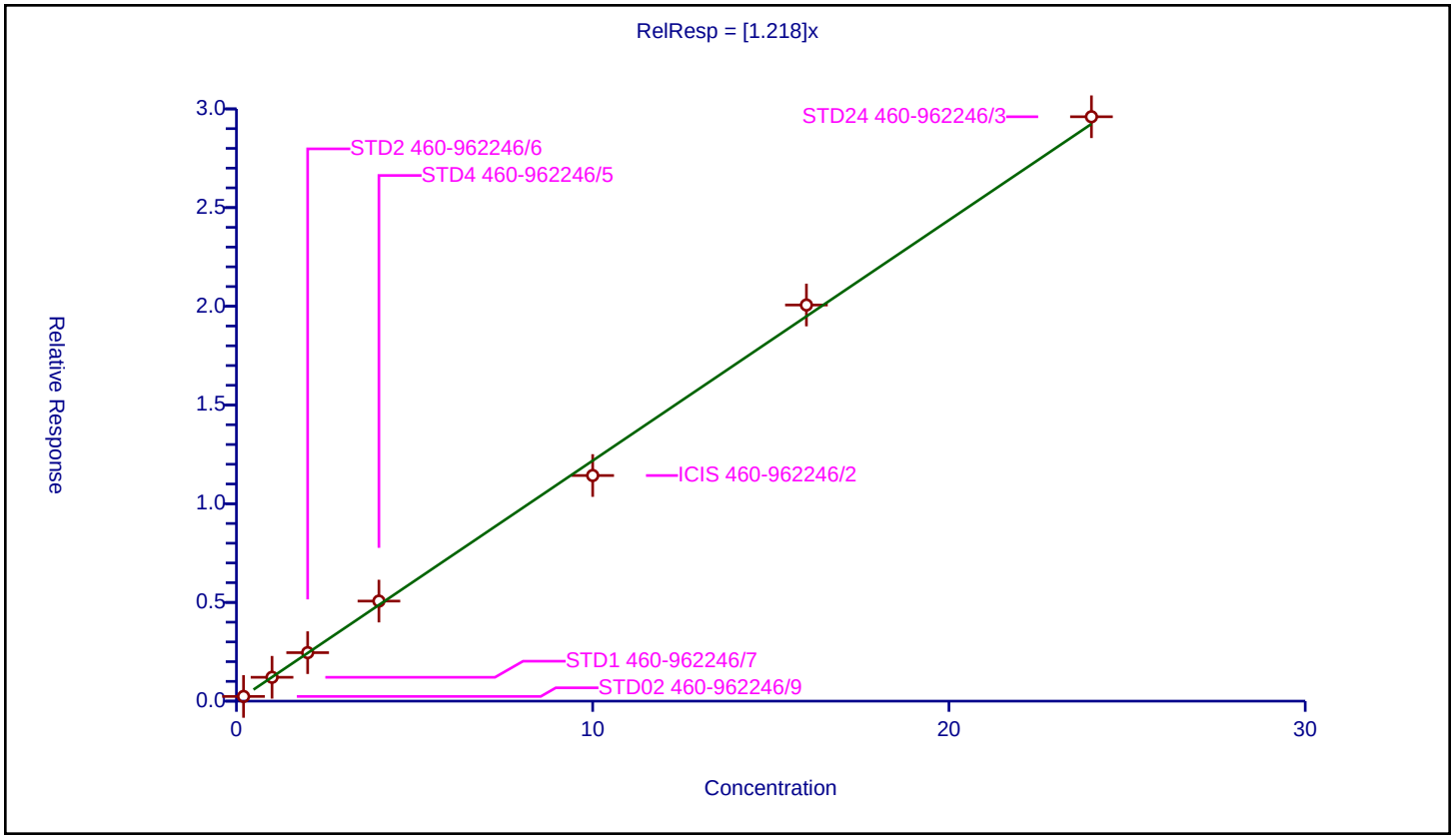
Curve Coefficients

Intercept:	0
Slope:	1.218

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.238715	8.0	921501.0	1.193574	Y
2	STD1 460-962246/7	1.0	1.208074	8.0	924036.0	1.208074	Y
3	STD2 460-962246/6	2.0	2.45667	8.0	939750.0	1.228335	Y
4	STD4 460-962246/5	4.0	5.068478	8.0	886573.0	1.26712	Y
5	ICIS 460-962246/2	10.0	11.429326	8.0	934782.0	1.142933	Y
6	STD16 460-962246/4	16.0	20.066077	8.0	906035.0	1.25413	Y
7	STD24 460-962246/3	24.0	29.601492	8.0	868203.0	1.233395	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

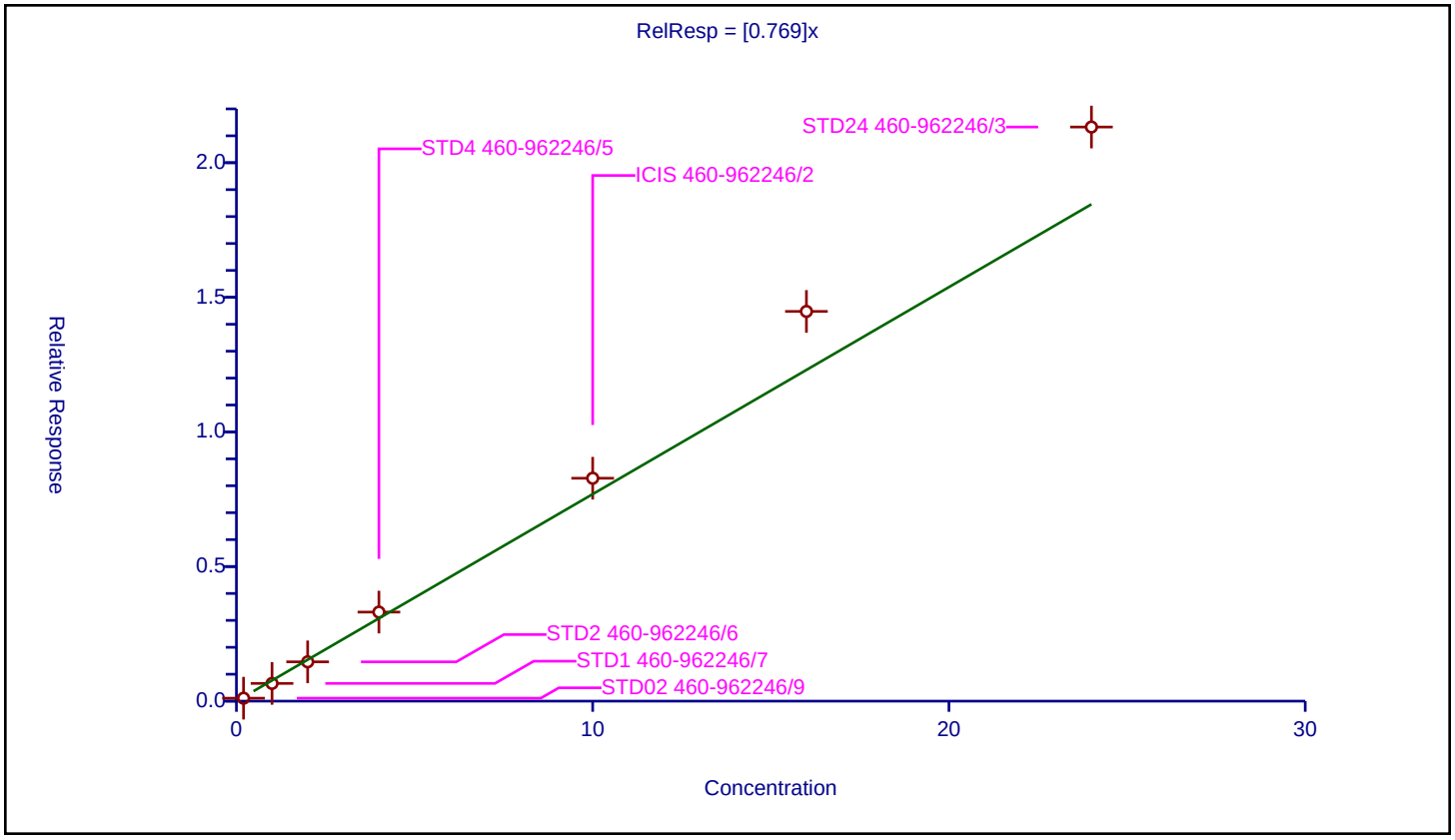
Curve Coefficients

Intercept:	0
Slope:	0.769

Error Coefficients

Relative Standard Deviation:	17.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD02 460-962246/9	0.2	0.109317	8.0	921501.0	0.546586	Y
2	STD1 460-962246/7	1.0	0.658061	8.0	924036.0	0.658061	Y
3	STD2 460-962246/6	2.0	1.459495	8.0	939750.0	0.729747	Y
4	STD4 460-962246/5	4.0	3.308307	8.0	886573.0	0.827077	Y
5	ICIS 460-962246/2	10.0	8.28063	8.0	934782.0	0.828063	Y
6	STD16 460-962246/4	16.0	14.476756	8.0	906035.0	0.904797	Y
7	STD24 460-962246/3	24.0	21.326137	8.0	868203.0	0.888589	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

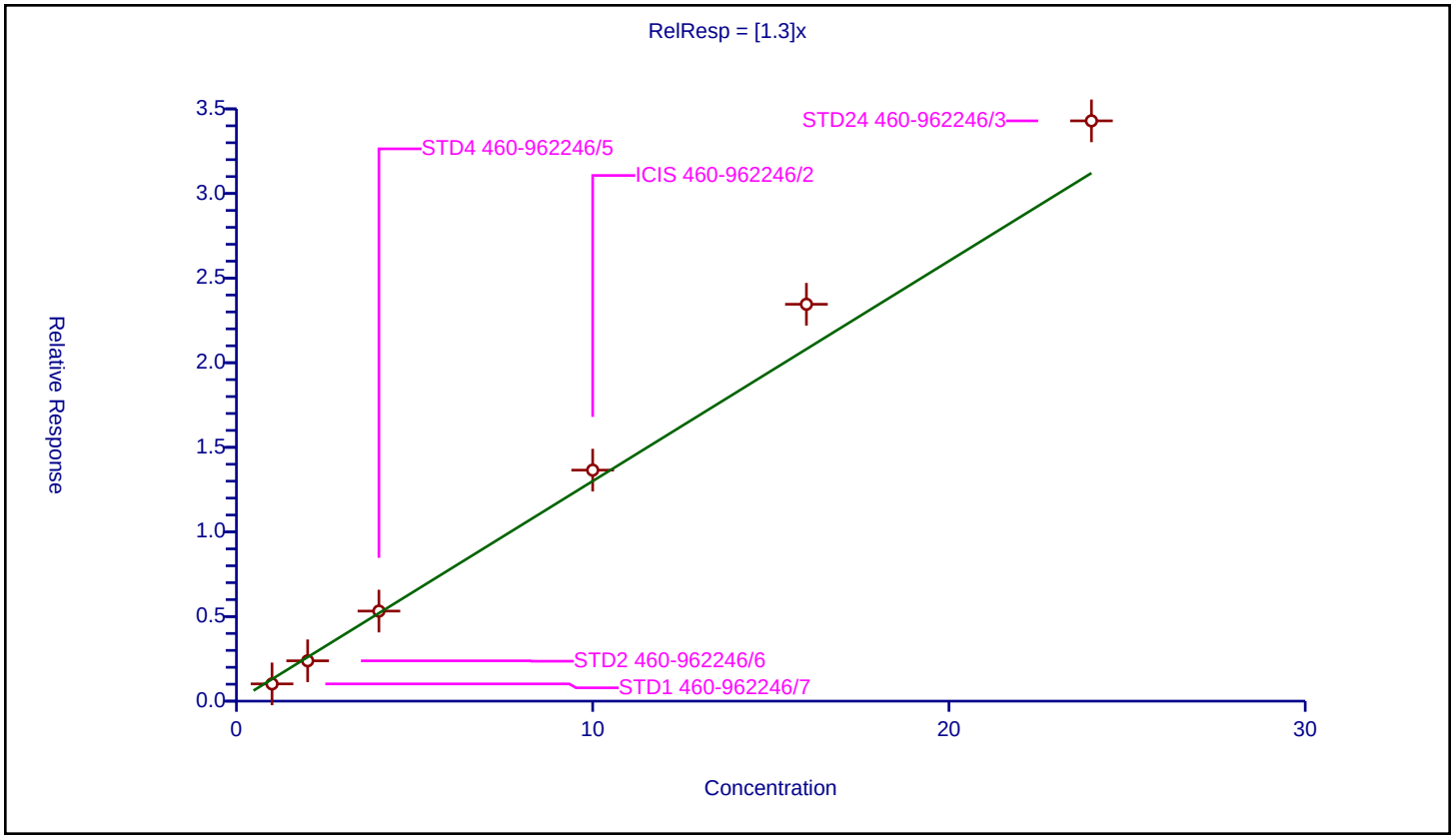
Curve Coefficients

Intercept:	0
Slope:	1.3

Error Coefficients

Relative Standard Deviation:	12.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.019235	8.0	893462.0	1.019235	Y
2	STD2 460-962246/6	2.0	2.384435	8.0	908945.0	1.192217	Y
3	STD4 460-962246/5	4.0	5.322812	8.0	877990.0	1.330703	Y
4	ICIS 460-962246/2	10.0	13.651458	8.0	948919.0	1.365146	Y
5	STD16 460-962246/4	16.0	23.454473	8.0	921545.0	1.465905	Y
6	STD24 460-962246/3	24.0	34.292724	8.0	898477.0	1.428864	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

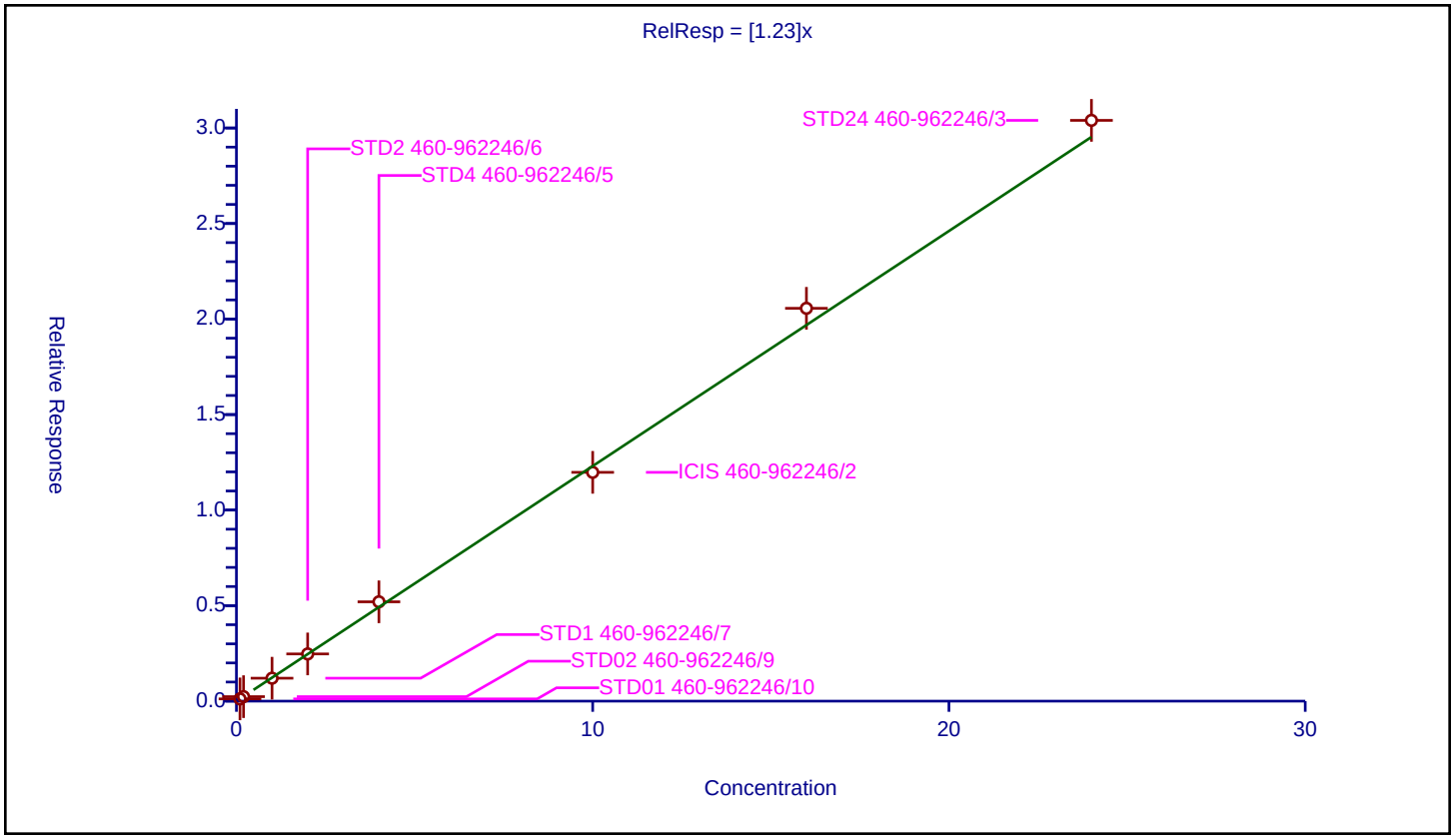
Curve Coefficients

Intercept:	0
Slope:	1.23

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.118113	8.0	853625.0	1.181128	Y
2	STD02 460-962246/9	0.2	0.235303	8.0	878017.0	1.176515	Y
3	STD1 460-962246/7	1.0	1.201054	8.0	893462.0	1.201054	Y
4	STD2 460-962246/6	2.0	2.470812	8.0	908945.0	1.235406	Y
5	STD4 460-962246/5	4.0	5.198738	8.0	877990.0	1.299685	Y
6	ICIS 460-962246/2	10.0	11.976457	8.0	948919.0	1.197646	Y
7	STD16 460-962246/4	16.0	20.561705	8.0	921545.0	1.285107	Y
8	STD24 460-962246/3	24.0	30.398588	8.0	898477.0	1.266608	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

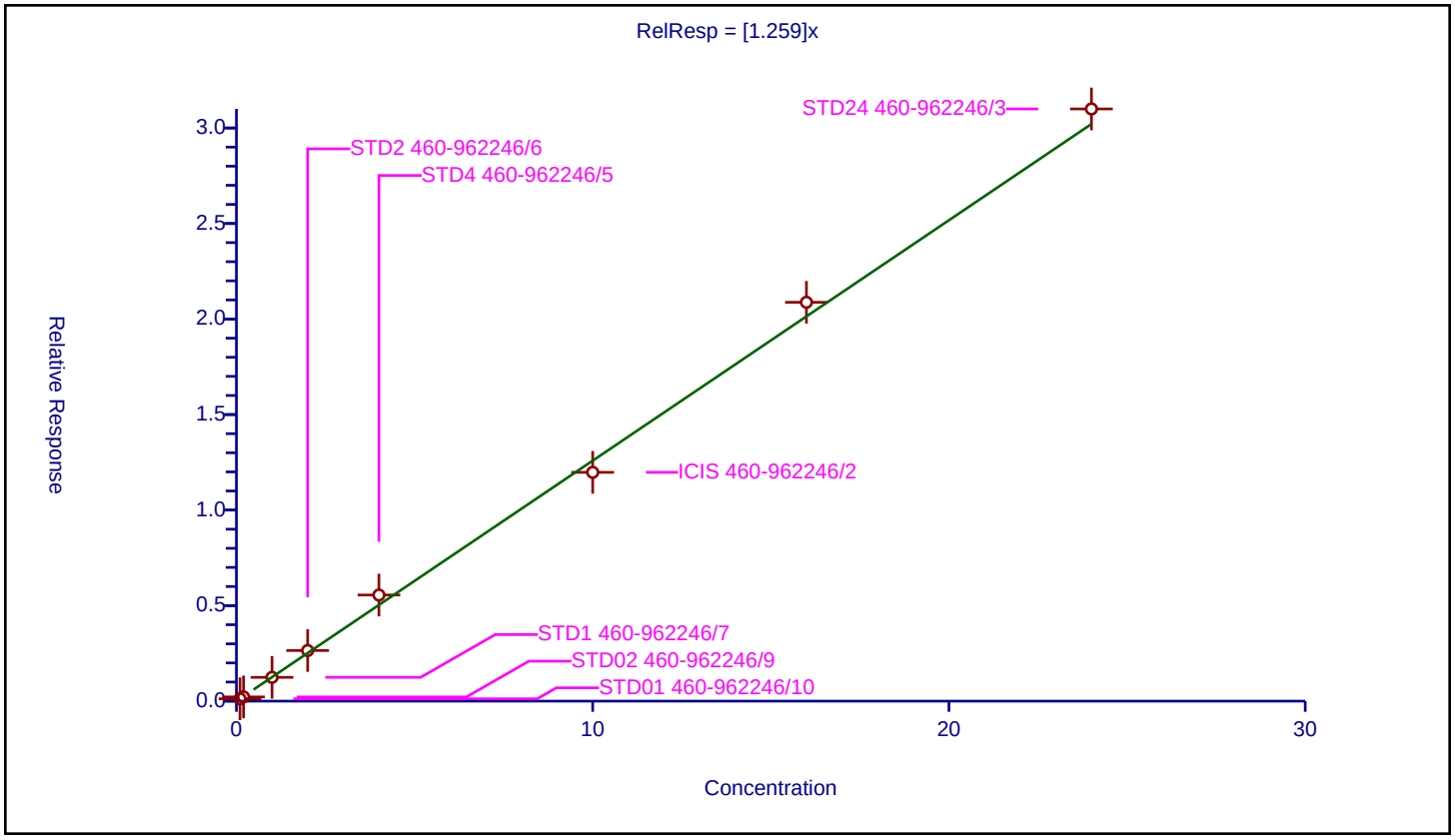
Curve Coefficients

Intercept:	0
Slope:	1.259

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.121946	8.0	853625.0	1.219458	Y
2	STD02 460-962246/9	0.2	0.21934	8.0	878017.0	1.096699	Y
3	STD1 460-962246/7	1.0	1.245788	8.0	893462.0	1.245788	Y
4	STD2 460-962246/6	2.0	2.649032	8.0	908945.0	1.324516	Y
5	STD4 460-962246/5	4.0	5.554141	8.0	877990.0	1.388535	Y
6	ICIS 460-962246/2	10.0	11.976145	8.0	948919.0	1.197615	Y
7	STD16 460-962246/4	16.0	20.877453	8.0	921545.0	1.304841	Y
8	STD24 460-962246/3	24.0	30.997575	8.0	898477.0	1.291566	Y



Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

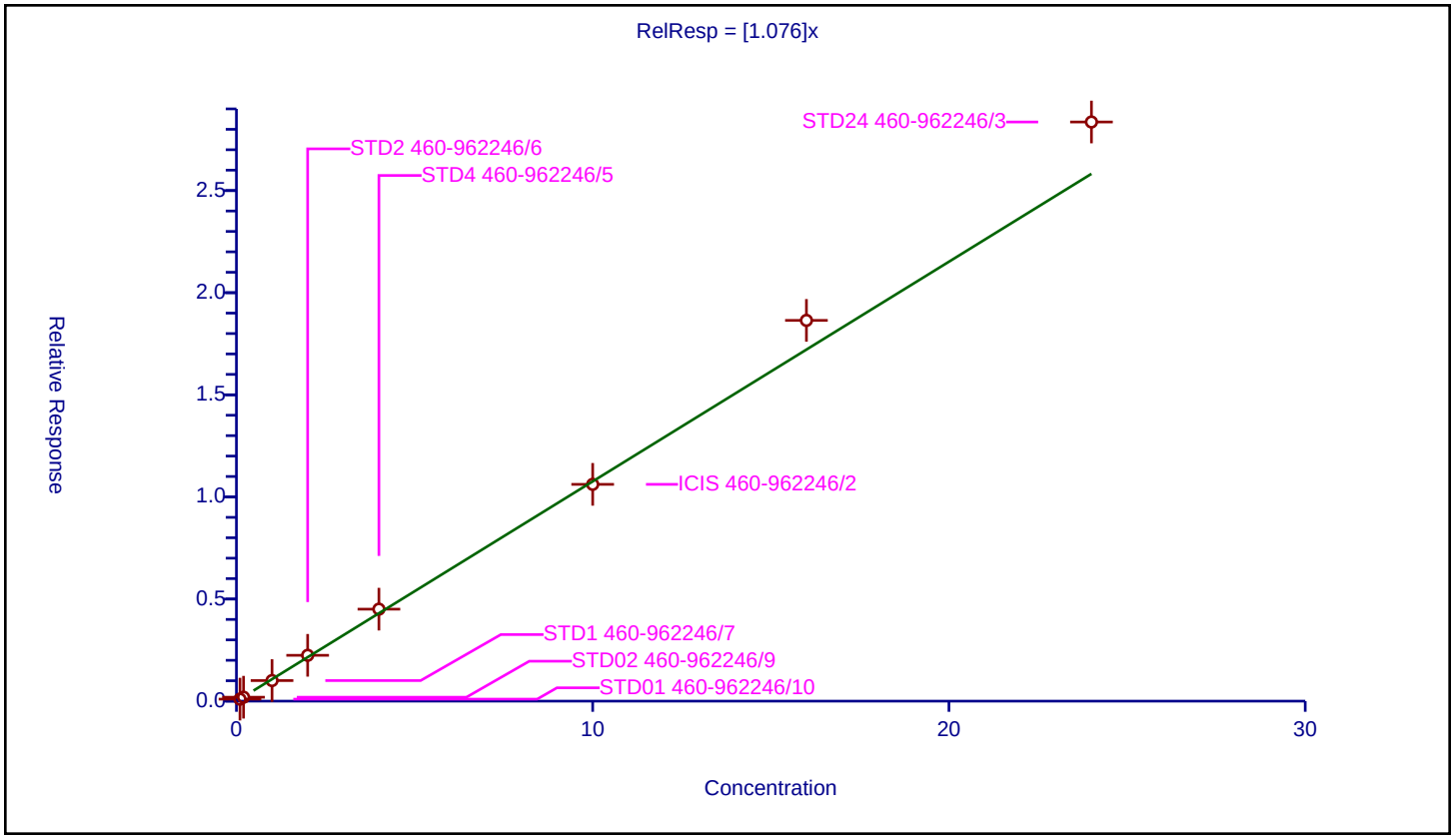
Curve Coefficients

Intercept:	0
Slope:	1.076

Error Coefficients

Relative Standard Deviation:	7.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.097963	8.0	853625.0	0.979634	Y
2	STD02 460-962246/9	0.2	0.192607	8.0	878017.0	0.963034	Y
3	STD1 460-962246/7	1.0	1.007846	8.0	893462.0	1.007846	Y
4	STD2 460-962246/6	2.0	2.243999	8.0	908945.0	1.122	Y
5	STD4 460-962246/5	4.0	4.50427	8.0	877990.0	1.126067	Y
6	ICIS 460-962246/2	10.0	10.615178	8.0	948919.0	1.061518	Y
7	STD16 460-962246/4	16.0	18.643326	8.0	921545.0	1.165208	Y
8	STD24 460-962246/3	24.0	28.358585	8.0	898477.0	1.181608	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

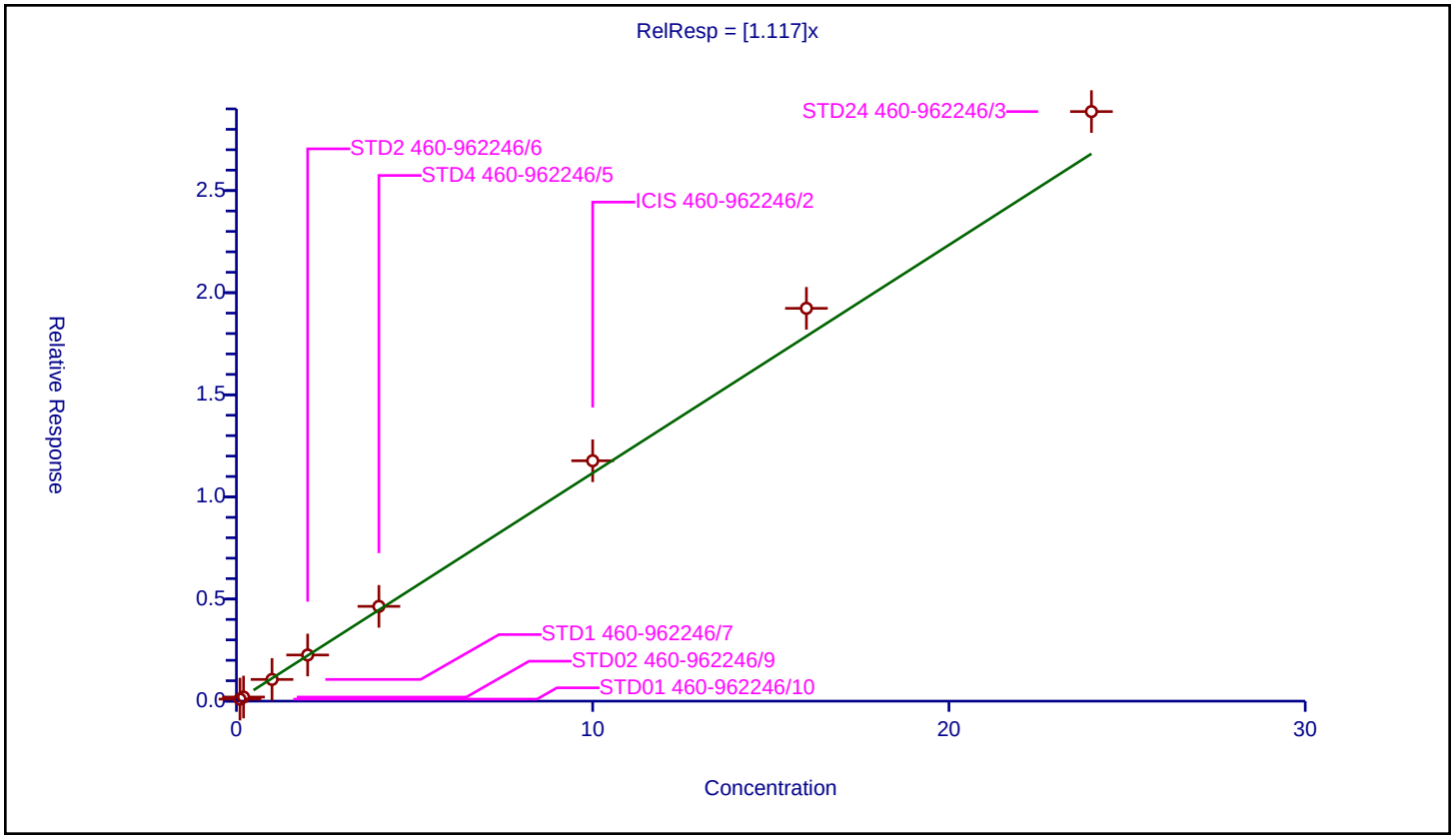
Curve Coefficients

Intercept:	0
Slope:	1.117

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.099875	8.0	853625.0	0.998752	Y
2	STD02 460-962246/9	0.2	0.200288	8.0	878017.0	1.001438	Y
3	STD1 460-962246/7	1.0	1.062026	8.0	893462.0	1.062026	Y
4	STD2 460-962246/6	2.0	2.260053	8.0	908945.0	1.130027	Y
5	STD4 460-962246/5	4.0	4.641447	8.0	877990.0	1.160362	Y
6	ICIS 460-962246/2	10.0	11.771112	8.0	948919.0	1.177111	Y
7	STD16 460-962246/4	16.0	19.234707	8.0	921545.0	1.202169	Y
8	STD24 460-962246/3	24.0	28.868256	8.0	898477.0	1.202844	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

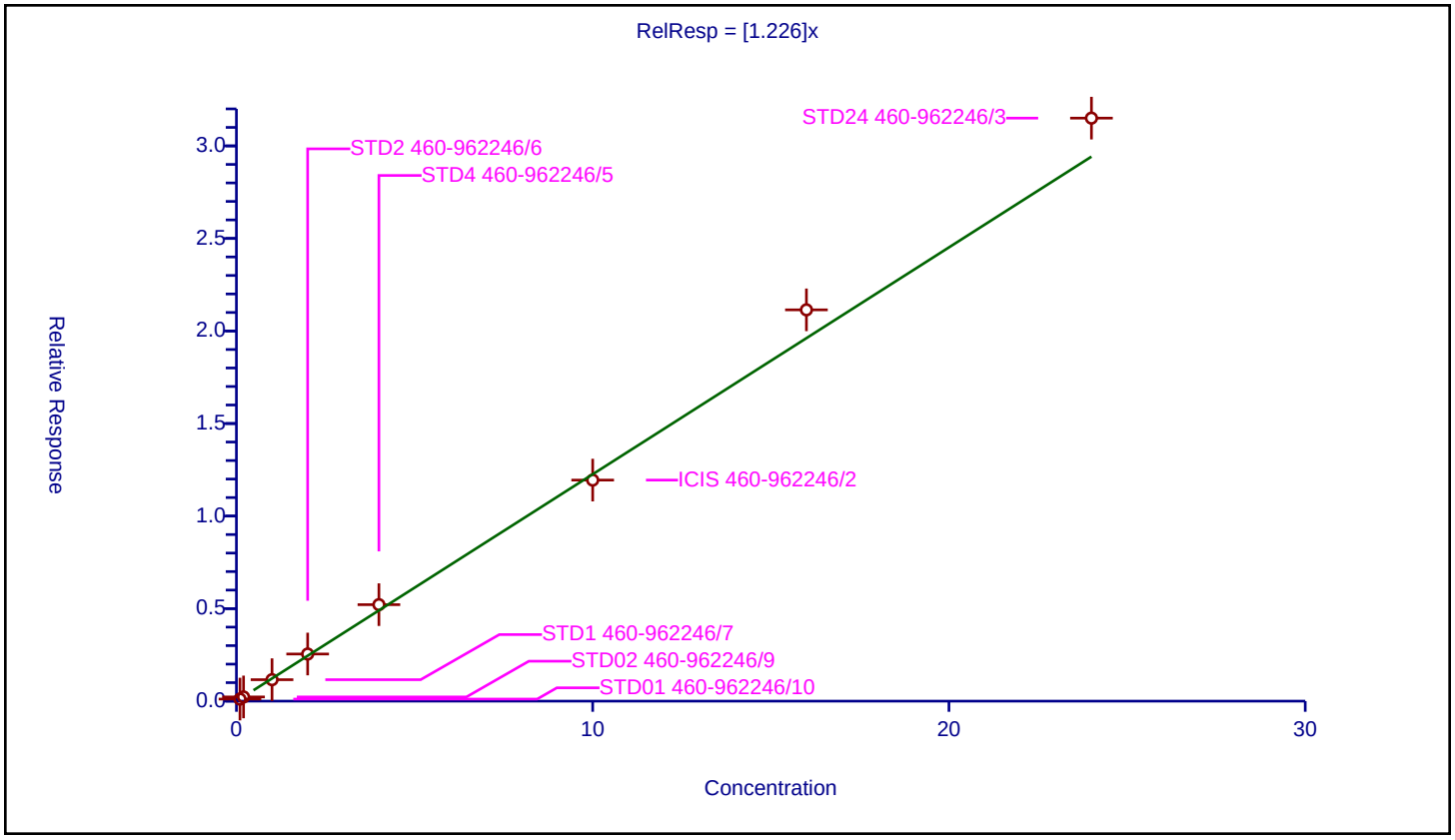
Curve Coefficients

Intercept:	0
Slope:	1.226

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD01 460-962246/10	0.1	0.110925	8.0	853625.0	1.109246	Y
2	STD02 460-962246/9	0.2	0.226583	8.0	878017.0	1.132917	Y
3	STD1 460-962246/7	1.0	1.159749	8.0	893462.0	1.159749	Y
4	STD2 460-962246/6	2.0	2.546909	8.0	908945.0	1.273454	Y
5	STD4 460-962246/5	4.0	5.212342	8.0	877990.0	1.303085	Y
6	ICIS 460-962246/2	10.0	11.943384	8.0	948919.0	1.194338	Y
7	STD16 460-962246/4	16.0	21.142034	8.0	921545.0	1.321377	Y
8	STD24 460-962246/3	24.0	31.500248	8.0	898477.0	1.31251	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

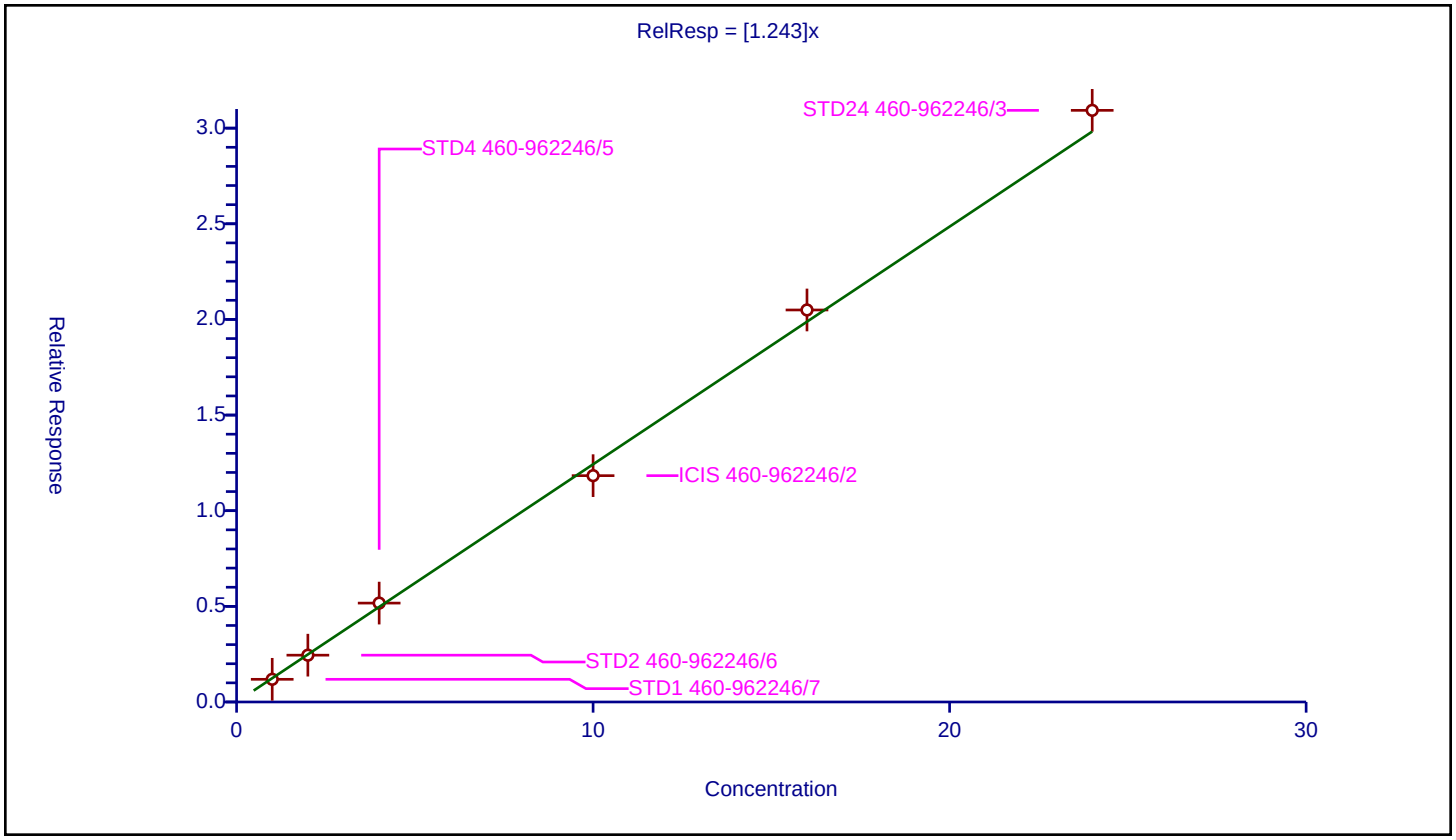
Curve Coefficients

Intercept:	0
Slope:	1.243

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-962246/7	1.0	1.186316	8.0	893462.0	1.186316	Y
2	STD2 460-962246/6	2.0	2.447268	8.0	908945.0	1.223634	Y
3	STD4 460-962246/5	4.0	5.170592	8.0	877990.0	1.292648	Y
4	ICIS 460-962246/2	10.0	11.832336	8.0	948919.0	1.183234	Y
5	STD16 460-962246/4	16.0	20.494148	8.0	921545.0	1.280884	Y
6	STD24 460-962246/3	24.0	30.930466	8.0	898477.0	1.288769	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962239/11 | Calibration Date: 03/04/2024 16:55

Instrument ID: CBNAMS14 | Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 16:11

Lab File ID: N48942.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5823	0.6129		10500	10000	5.3	30.0
N-Nitrosodimethylamine	Ave	0.8848	0.9134		10300	10000	3.2	30.0
Pyridine	Ave	1.335	1.379		20700	20000	3.4	30.0
Benzaldehyde	Ave	1.121	1.150	0.0100	4100	4000	2.6	30.0
Phenol	Ave	1.880	1.967	0.8000	10500	10000	4.6	30.0
Aniline	Ave	2.038	2.148		10500	10000	5.4	30.0
Bis(2-chloroethyl)ether	Ave	1.379	1.420	0.7000	10300	10000	3.0	30.0
2-Chlorophenol	Ave	1.436	1.510	0.8000	10500	10000	5.2	30.0
n-Decane	Ave	1.257	1.301		10300	10000	3.5	30.0
1,3-Dichlorobenzene	Ave	1.609	1.695		10500	10000	5.4	30.0
1,4-Dichlorobenzene	Ave	1.621	1.700		10500	10000	4.9	30.0
Benzyl alcohol	Ave	0.8473	0.8926		10500	10000	5.3	30.0
1,2-Dichlorobenzene	Ave	1.519	1.599	0.0100	10500	10000	5.3	30.0
2-Methylphenol	Ave	1.214	1.276	0.7000	10500	10000	5.1	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.492	1.510	0.0100	10100	10000	1.2	30.0
N-Methylaniline	Ave	1.947	2.046		10500	10000	5.1	30.0
N-Nitrosodi-n-propylamine	Ave	0.8654	0.9007	0.5000	10400	10000	4.1	30.0
Acetophenone	Ave	1.852	1.920	0.0100	10400	10000	3.7	30.0
3 & 4 Methylphenol	Ave	1.357	1.422		10500	10000	4.7	30.0
4-Methylphenol	Ave	1.357	1.422	0.6000	10500	10000	4.7	30.0
Hexachloroethane	Ave	0.5775	0.6024	0.3000	10400	10000	4.3	30.0
Nitrobenzene	Ave	0.6601	0.6897	0.2000	10400	10000	4.5	30.0
n,n'-Dimethylaniline	Ave	2.014	2.028		10100	10000	0.7	30.0
Isophorone	Ave	0.6493	0.6743	0.4000	10400	10000	3.8	30.0
2-Nitrophenol	Ave	0.2062	0.2146	0.1000	10400	10000	4.1	30.0
2,4-Dimethylphenol	Ave	0.3085	0.3227	0.2000	10500	10000	4.6	30.0
Bis(2-chloroethoxy)methane	Ave	0.4338	0.4490	0.3000	10400	10000	3.5	30.0
Benzoic acid	Lin1		0.1864		9220	10000	-7.8	30.0
2,4-Dichlorophenol	Ave	0.3077	0.3220	0.2000	10500	10000	4.7	30.0
1,2,4-Trichlorobenzene	Ave	0.3521	0.3673		10400	10000	4.3	30.0
Naphthalene	Ave	1.116	1.155	0.7000	10400	10000	3.5	30.0
4-Chloroaniline	Ave	0.4185	0.4548	0.0100	10900	10000	8.7	30.0
Hexachlorobutadiene	Ave	0.1911	0.2001	0.0100	10500	10000	4.7	30.0
Caprolactam	Ave	0.0737	0.0834	0.0100	4530	4000	13.2	30.0
4-Chloro-3-methylphenol	Ave	0.2813	0.2970	0.2000	10600	10000	5.6	30.0
2-Methylnaphthalene	Ave	0.6841	0.7185	0.4000	10500	10000	5.0	30.0
1-Methylnaphthalene	Ave	0.6335	0.6557		10400	10000	3.5	30.0
Hexachlorocyclopentadiene	Ave	0.4546	0.4892	0.0500	10800	10000	7.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6627	0.7119	0.0100	10700	10000	7.4	30.0
2-tertbutyl-4-methylphenol	Ave	0.3887	0.4012		10300	10000	3.2	30.0
2,4,6-Trichlorophenol	Ave	0.4052	0.4430	0.2000	10900	10000	9.3	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962239/11 Calibration Date: 03/04/2024 16:55

Instrument ID: CBNAMS14 Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 16:11

Lab File ID: N48942.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4486	0.4710	0.2000	10500	10000	5.0	30.0
1,1'-Biphenyl	Ave	1.662	1.793	0.0100	10800	10000	7.9	30.0
2-Chloronaphthalene	Ave	1.302	1.382	0.8000	10600	10000	6.1	30.0
Phenyl ether	Ave	0.8830	0.9063		10300	10000	2.6	30.0
2-Nitroaniline	Ave	0.3992	0.4201	0.0100	10500	10000	5.2	30.0
1,3-Dimethylnaphthalene	Ave	0.9921	1.008		10200	10000	1.6	30.0
Dimethyl phthalate	Ave	1.303	1.350	0.0100	10400	10000	3.6	30.0
Coumarin	Ave	0.2061	0.2006		9730	10000	-2.7	30.0
2,6-Dinitrotoluene	Ave	0.2980	0.3261	0.2000	10900	10000	9.4	30.0
Acenaphthylene	Ave	2.009	2.103	0.9000	10500	10000	4.7	30.0
3-Nitroaniline	Ave	0.3299	0.3478	0.0100	10500	10000	5.4	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.048	1.069		10200	10000	2.0	30.0
Acenaphthene	Ave	1.149	1.212	0.9000	10500	10000	5.5	30.0
2,4-Dinitrophenol	Lin2		0.1749	0.0100	20500	20000	2.4	30.0
4-Nitrophenol	Ave	0.1926	0.2077	0.0100	21600	20000	7.9	30.0
2,4-Dinitrotoluene	Ave	0.3664	0.3955	0.2000	10800	10000	7.9	30.0
Dibenzofuran	Ave	1.721	1.801	0.8000	10500	10000	4.6	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3335	0.3604	0.0100	10800	10000	8.1	30.0
Diethyl phthalate	Ave	1.197	1.250	0.0100	10400	10000	4.4	30.0
Fluorene	Ave	1.333	1.384	0.9000	10400	10000	3.9	30.0
4-Chlorophenyl phenyl ether	Ave	0.6555	0.6924	0.4000	10600	10000	5.6	30.0
4-Nitroaniline	Ave	0.2986	0.3161	0.0100	10600	10000	5.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1274	0.1430	0.0100	22500	20000	12.3	30.0
N-Nitrosodiphenylamine	Ave	0.5910	0.6204	0.0100	10500	10000	5.0	30.0
1,2-Diphenylhydrazine	Ave	0.8053	0.8581		10700	10000	6.6	30.0
Azobenzene	Ave	0.8054	0.8581		10700	10000	6.5	20.0
4-Bromophenyl phenyl ether	Ave	0.2483	0.2625	0.1000	10600	10000	5.7	30.0
Hexachlorobenzene	Ave	0.3212	0.3410	0.1000	10600	10000	6.2	30.0
Atrazine	Ave	0.1810	0.2101	0.0100	4640	4000	16.1	30.0
Pentachlorophenol	Ave	0.1625	0.1862	0.0500	22900	20000	14.5	30.0
Pentachloronitrobenzene	Ave	0.0887	0.0906	0.0100	10200	10000	2.2	30.0
n-Octadecane	Ave	0.4751	0.5072		10700	10000	6.8	30.0
Phenanthrene	Ave	1.088	1.148	0.7000	10600	10000	5.5	30.0
Anthracene	Ave	1.110	1.188	0.7000	10700	10000	6.9	30.0
Carbazole	Ave	0.9388	0.9862	0.0100	10500	10000	5.0	30.0
Di-n-butyl phthalate	Ave	0.9676	1.096	0.0100	11300	10000	13.2	30.0
Fluoranthene	Ave	0.9671	1.070	0.6000	11100	10000	10.6	30.0
Benzidine	Ave	0.4080	0.4826		11800	10000	18.3	30.0
Pyrene	Ave	1.634	1.627	0.6000	9960	10000	-0.4	30.0
Bisphenol-A	Ave	0.4846	0.5308		11000	10000	9.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962239/11 Calibration Date: 03/04/2024 16:55

Instrument ID: CBNAMS14 Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 16:11

Lab File ID: N48942.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5307	0.6006	0.0100	11300	10000	13.2	30.0
Carbamazepine	Lin2		0.4275		9680	10000	-3.2	30.0
3,3'-Dichlorobenzidine	Ave	0.4470	0.5264	0.0100	11800	10000	17.8	30.0
Benzo[a]anthracene	Ave	1.235	1.346	0.8000	10900	10000	9.0	30.0
Chrysene	Ave	1.185	1.278	0.7000	10800	10000	7.8	30.0
Bis(2-ethylhexyl) phthalate	Qua1		0.8122	0.0100	11000	10000	9.5	30.0
Di-n-octyl phthalate	Ave	1.078	1.241	0.0100	11500	10000	15.1	30.0
Benzo[b]fluoranthene	Ave	1.139	1.277		11200	10000	12.2	30.0
Benzo[k]fluoranthene	Ave	1.167	1.336	0.7000	11400	10000	14.5	30.0
Benzo[a]pyrene	Ave	0.9631	1.187	0.7000	12300	10000	23.3	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.068	1.235	0.5000	11600	10000	15.6	30.0
Dibenz(a,h)anthracene	Ave	1.195	1.402	0.4000	11700	10000	17.3	30.0
Benzo[g,h,i]perylene	Ave	1.239	1.347	0.5000	10900	10000	8.7	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 04-Mar-2024 16:55:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-011
Operator ID: Instrument ID: CBNAMS14
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 17:16:21 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 17:16:39

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.846	1.856	-0.010	92	430792	10.0	10.5	
2	N-Nitrosodimethylamine	74	2.054	2.060	-0.006	95	641959	10.0	10.3	
3	Pyridine	79	2.089	2.095	-0.006	96	1938975	20.0	20.7	
5	Benzaldehyde	77	3.966	3.966	0.000	97	323376	4.00	4.10	E
7	Phenol	94	4.052	4.049	0.003	97	1382591	10.0	10.5	
8	Aniline	93	4.068	4.068	0.000	94	1509728	10.0	10.5	
9	Bis(2-chloroethyl)ether	93	4.129	4.126	0.003	98	997691	10.0	10.3	
10	Benzonitrile	103	4.145	4.142	0.003	97	1833233	NC	NC	
11	2-Chlorophenol	128	4.190	4.186	0.003	98	1061637	10.0	10.5	
12	n-Decane	43	4.228	4.228	0.000	89	914690	10.0	10.3	
13	1,3-Dichlorobenzene	146	4.330	4.330	0.000	96	1191554	10.0	10.5	
* 14	1,4-Dichlorobenzene-d4	152	4.384	4.385	-0.001	95	562274	8.00	8.00	
15	1,4-Dichlorobenzene	146	4.401	4.400	-0.001	95	1194874	10.0	10.5	
16	Benzyl alcohol	108	4.515	4.512	0.002	96	627352	10.0	10.5	
17	1,2-Dichlorobenzene	146	4.544	4.544	0.000	97	1123998	10.0	10.5	
18	2-Methylphenol	108	4.631	4.627	0.003	75	896697	10.0	10.5	
19	2,2'-oxybis[1-chloropropane]	45	4.647	4.647	0.003	95	1061135	10.0	10.1	a
20	N-Methylaniline	106	4.762	4.762	0.003	97	1438169	10.0	10.5	a
22	N-Nitrosodi-n-propylamine	70	4.768	4.765	0.003	79	633078	10.0	10.4	
21	Acetophenone	105	4.771	4.765	0.006	92	1349792	10.0	10.4	
23	3 & 4 Methylphenol	108	4.778	4.778	0.003	85	999144	10.0	10.5	a
24	4-Methylphenol	108	4.778	4.778	0.003	94	999144	10.0	10.5	a
25	Hexachloroethane	117	4.867	4.867	0.000	95	423379	10.0	10.4	
28	Nitrobenzene	123	4.931	4.928	0.003	99	484740	10.0	10.4	
29	n,n'-Dimethylaniline	120	4.934	4.931	0.003	99	1425102	10.0	10.1	
30	Isophorone	82	5.161	5.155	0.006	99	1642839	10.0	10.4	
32	2-Nitrophenol	139	5.235	5.235	0.000	96	522904	10.0	10.4	
33	2,4-Dimethylphenol	122	5.282	5.283	-0.001	92	786257	10.0	10.5	
35	Benzoic acid	122	5.388	5.359	0.029	86	454258	10.0	9.22	
34	Bis(2-chloroethoxy)methane	93	5.369	5.369	0.000	98	1093959	10.0	10.4	
36	2,4-Dichlorophenol	162	5.471	5.471	0.000	97	784515	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.545	5.545	0.000	94	894882	10.0	10.4	
* 38 Naphthalene-d8	136	5.599	5.599	0.000	99	1949182	8.00	8.00	
39 Naphthalene	128	5.621	5.618	0.003	99	2814030	10.0	10.4	
40 4-Chloroaniline	127	5.676	5.673	0.003	98	1108059	10.0	10.9	
130 2,6-Dichlorophenol	162	5.682	5.682	0.000	99	771515	10.0	10.4	
41 Hexachlorobutadiene	225	5.740	5.740	0.000	97	487548	10.0	10.5	
42 Caprolactam	113	5.992	5.983	0.009	94	81318	4.00	4.53	
43 4-Chloro-3-methylphenol	107	6.149	6.149	0.000	96	723666	10.0	10.6	
44 2-Methylnaphthalene	142	6.280	6.280	0.000	84	1750514	10.0	10.5	
45 1-Methylnaphthalene	142	6.373	6.372	0.000	92	1597708	10.0	10.4	
46 Hexachlorocyclopentadiene	237	6.430	6.430	0.000	98	563959	10.0	10.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.440	6.440	0.000	98	820684	10.0	10.7	
48 2-tertbutyl-4-methylphenol	149	6.478	6.478	0.000	92	977418	10.0	10.3	
49 2,4,6-Trichlorophenol	196	6.552	6.552	0.000	91	510631	10.0	10.9	
50 2,4,5-Trichlorophenol	196	6.590	6.590	0.000	98	543013	10.0	10.5	
52 1,1'-Biphenyl	154	6.725	6.725	0.001	95	2066586	10.0	10.8	
53 2-Chloronaphthalene	162	6.741	6.741	0.001	98	1593313	10.0	10.6	
54 Phenyl ether	170	6.827	6.827	0.000	86	1044782	10.0	10.3	
55 2-Nitroaniline	65	6.840	6.840	0.000	96	484343	10.0	10.5	
57 1,3-Dimethylnaphthalene	156	6.952	6.952	0.000	92	1162488	10.0	10.2	
59 Dimethyl phthalate	163	7.022	7.016	0.007	99	1555878	10.0	10.4	
60 Coumarin	146	7.035	7.031	0.004	81	488695	10.0	9.73	
61 2,6-Dinitrotoluene	165	7.073	7.070	0.003	96	375938	10.0	10.9	
62 Acenaphthylene	152	7.134	7.134	0.000	97	2424863	10.0	10.5	
63 3-Nitroaniline	138	7.233	7.230	0.003	97	400920	10.0	10.5	
* 64 Acenaphthene-d10	164	7.268	7.268	0.000	95	922230	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.294	7.294	0.000	97	1232624	10.0	10.2	
66 Acenaphthene	154	7.300	7.297	0.003	96	1396902	10.0	10.5	
67 2,4-Dinitrophenol	184	7.329	7.326	0.003	97	403168	20.0	20.5	
68 4-Nitrophenol	65	7.409	7.409	0.000	89	478899	20.0	21.6	
69 2,4-Dinitrotoluene	165	7.451	7.451	0.001	97	455958	10.0	10.8	
70 Dibenzofuran	168	7.463	7.463	0.000	98	2076442	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	7.582	7.582	0.000	95	415451	10.0	10.8	
73 Diethyl phthalate	149	7.691	7.687	0.004	99	1440526	10.0	10.4	
75 Fluorene	166	7.787	7.786	0.001	95	1595730	10.0	10.4	
74 4-Chlorophenyl phenyl ether	204	7.790	7.790	0.001	89	798135	10.0	10.6	
76 4-Nitroaniline	138	7.812	7.806	0.006	87	364439	10.0	10.6	
77 4,6-Dinitro-2-methylphenol	198	7.838	7.835	0.004	89	511832	20.0	22.5	
78 N-Nitrosodiphenylamine	169	7.902	7.902	0.000	96	1110008	10.0	10.5	
79 1,2-Diphenylhydrazine	77	7.940	7.940	0.000	94	1535250	10.0	10.7	
131 Azobenzene	77	7.940	7.940	0.000	0	1535250	10.0	10.7	
81 4-Bromophenyl phenyl ether	248	8.253	8.254	0.000	94	469663	10.0	10.6	
82 Hexachlorobenzene	284	8.308	8.305	0.004	94	610154	10.0	10.6	
83 Atrazine	200	8.413	8.413	0.000	94	150367	4.00	4.64	
84 Pentachlorophenol	266	8.497	8.497	0.001	95	666134	20.0	22.9	
85 Pentachloronitrobenzene	237	8.506	8.506	0.000	91	162114	10.0	10.2	
86 n-Octadecane	57	8.590	8.590	0.001	90	907498	10.0	10.7	
* 87 Phenanthrene-d10	188	8.673	8.672	0.001	98	1431287	8.00	8.00	
88 Phenanthrene	178	8.695	8.695	0.000	98	2053290	10.0	10.6	
89 Anthracene	178	8.743	8.743	0.000	98	2124592	10.0	10.7	
90 Carbazole	167	8.900	8.897	0.004	96	1764355	10.0	10.5	
91 Di-n-butyl phthalate	149	9.242	9.242	0.001	99	1960001	10.0	11.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
92 Fluoranthene	202	9.820	9.820	0.000	97	1913749	10.0	11.1	
93 Benzidine	184	9.954	9.957	0.000	99	863408	10.0	11.8	
94 Pyrene	202	10.034	10.037	0.000	96	1936192	10.0	9.96	
95 Bisphenol-A	213	10.095	10.101	-0.003	99	631862	10.0	11.0	
97 Butyl benzyl phthalate	149	10.699	10.699	0.003	97	714918	10.0	11.3	
99 Carbamazepine	193	10.799	10.798	0.003	92	508810	10.0	9.68	
100 3,3'-Dichlorobenzidine	252	11.268	11.268	0.003	99	626558	10.0	11.8	
101 Benzo[a]anthracene	228	11.284	11.288	0.000	99	1602582	10.0	10.9	
* 102 Chrysene-d12	240	11.297	11.294	0.003	99	952235	8.00	8.00	
104 Chrysene	228	11.326	11.329	0.000	98	1521135	10.0	10.8	
103 Bis(2-ethylhexyl) phthalate	149	11.361	11.365	0.000	89	966741	10.0	11.0	
105 Di-n-octyl phthalate	149	12.202	12.198	0.004	96	1555483	10.0	11.5	
106 Benzo[b]fluoranthene	252	12.653	12.649	0.004	99	1600632	10.0	11.2	
107 Benzo[k]fluoranthene	252	12.688	12.685	0.004	100	1673931	10.0	11.4	
108 Benzo[a]pyrene	252	13.097	13.094	0.003	97	1487783	10.0	12.3	
* 109 Perylene-d12	264	13.177	13.177	0.000	99	1002492	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.728	14.722	0.006	99	1547486	10.0	11.6	
111 Dibenz(a,h)anthracene	278	14.776	14.767	0.009	98	1756557	10.0	11.7	
112 Benzo[g,h,i]perylene	276	15.153	15.148	0.005	98	1687919	10.0	10.9	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SV_ICV_ LVI_00010 Amount Added: 1.00 Units: mL

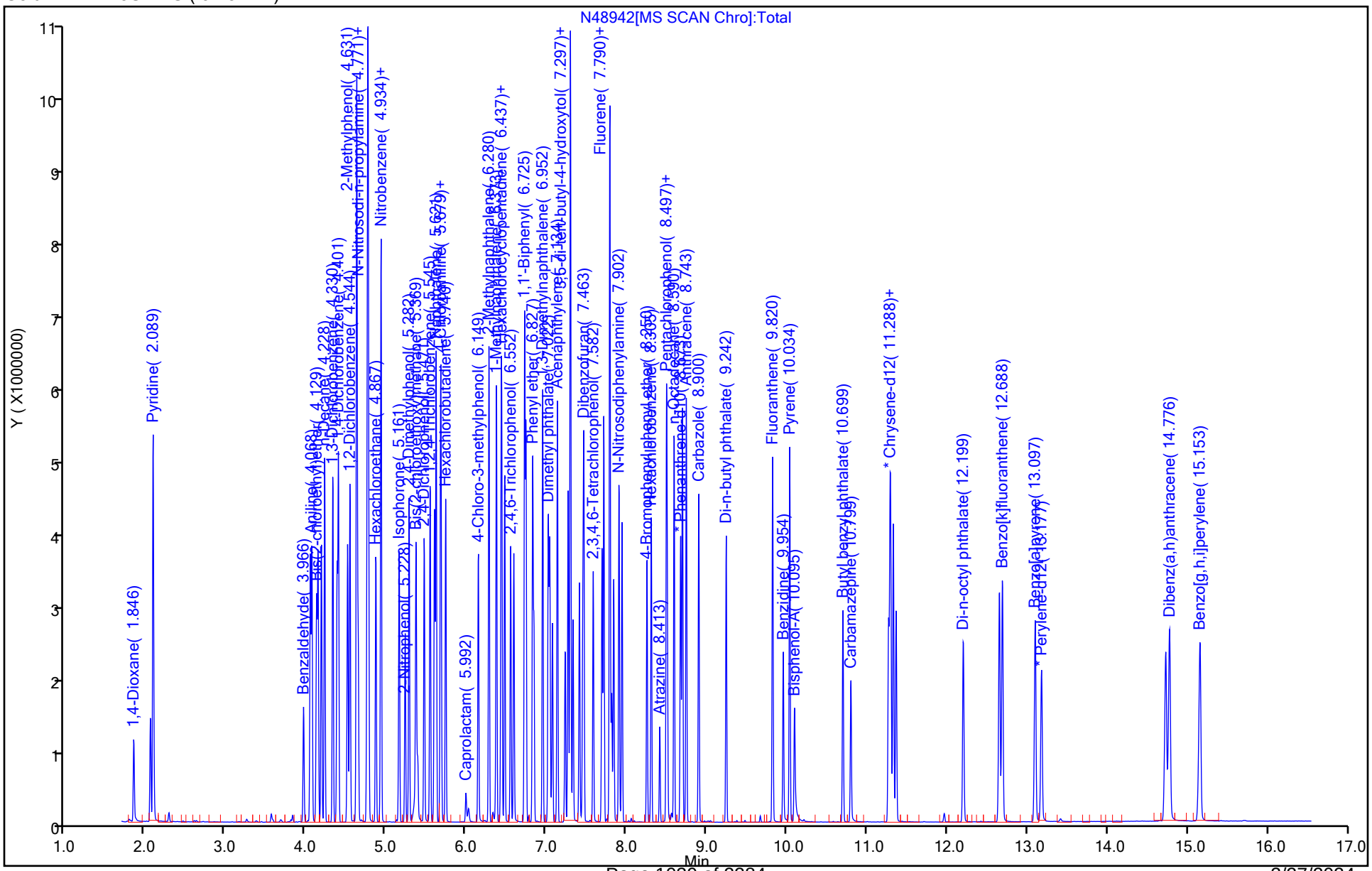
Report Date: 04-Mar-2024 17:16:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d

Injection Date:	04-Mar-2024 16:55:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

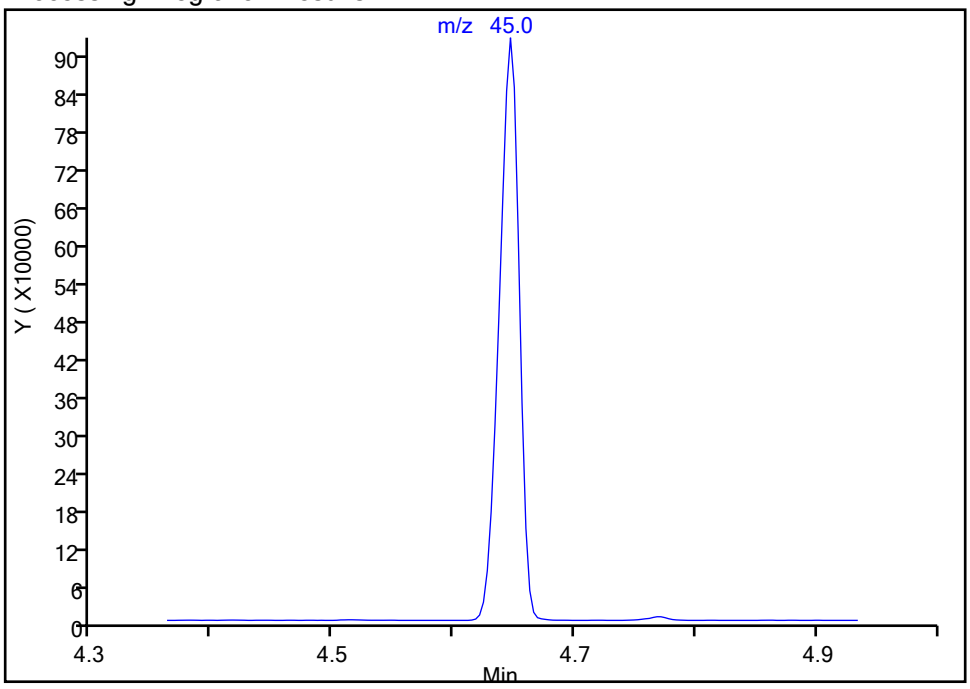
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d				
Injection Date:	04-Mar-2024 16:55:30	Instrument ID:	CBNAMS14		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

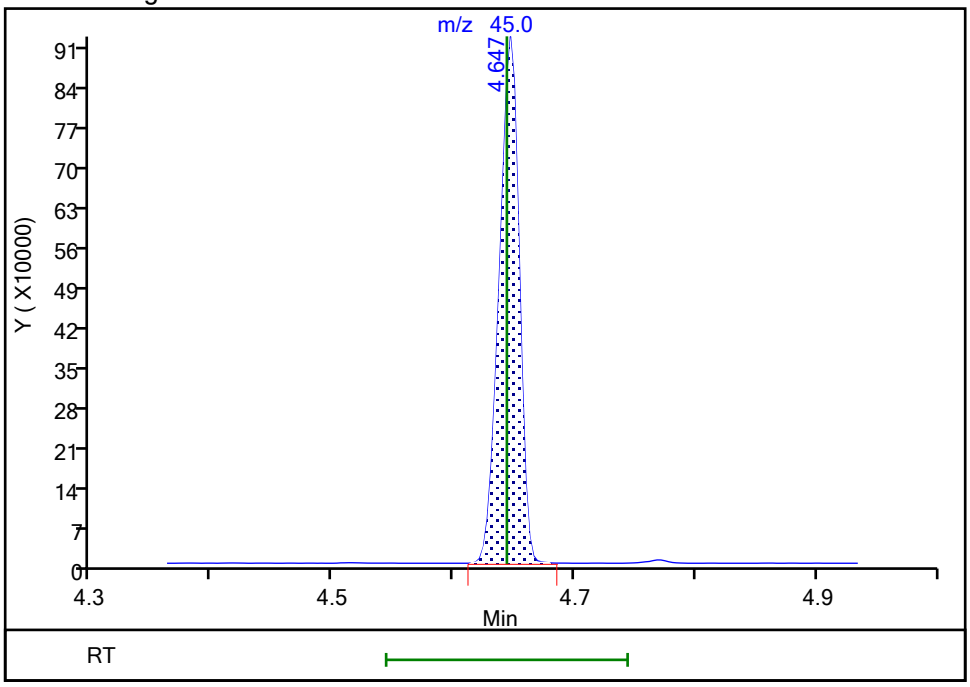
Not Detected
Expected RT: 4.64

Processing Integration Results



Manual Integration Results

RT: 4.65
Area: 1061135
Amount: 10.121571
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 17:16:13 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

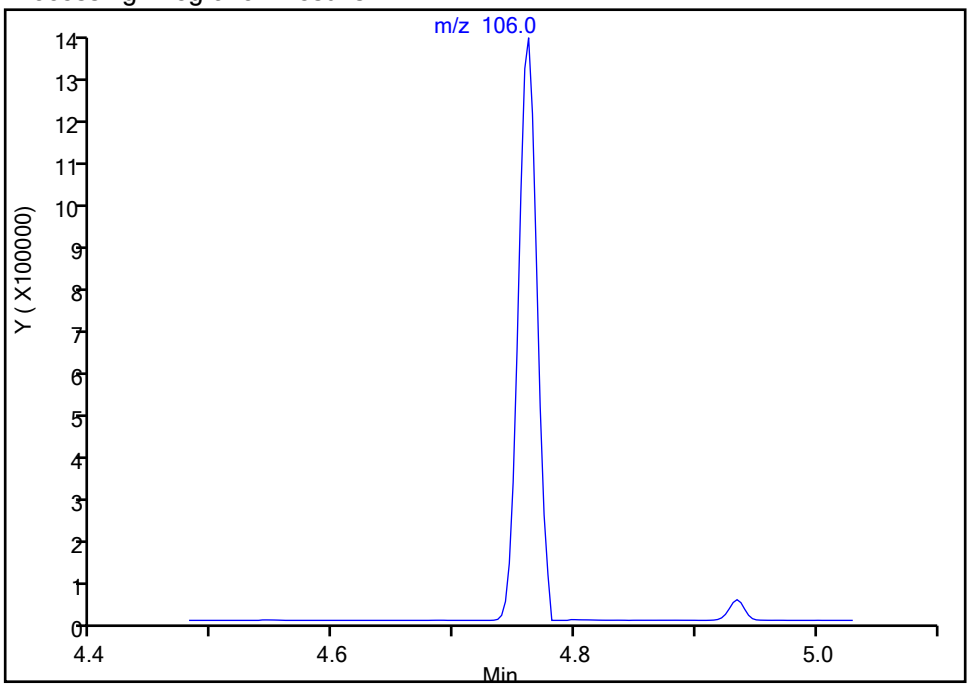
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d				
Injection Date:	04-Mar-2024 16:55:30	Instrument ID:	CBNAMS14		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

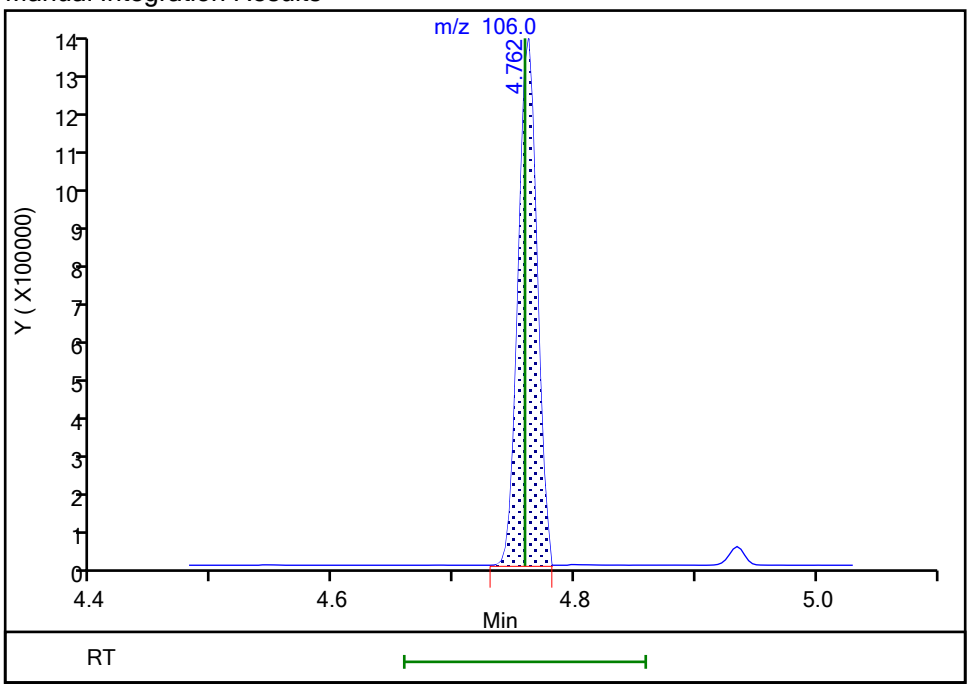
Not Detected
Expected RT: 4.76

Processing Integration Results



Manual Integration Results

RT: 4.76
Area: 1438169
Amount: 10.508683
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 17:16:15 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

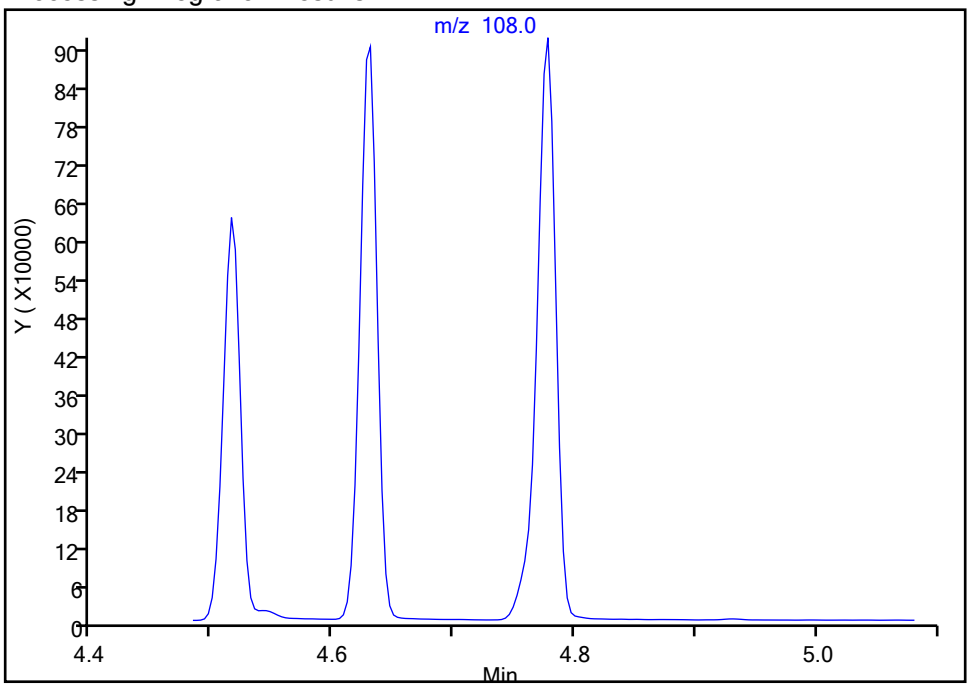
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d				
Injection Date:	04-Mar-2024 16:55:30	Instrument ID:	CBNAMS14		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

23 3 & 4 Methylphenol, CAS: 15831-10-4

Signal: 1

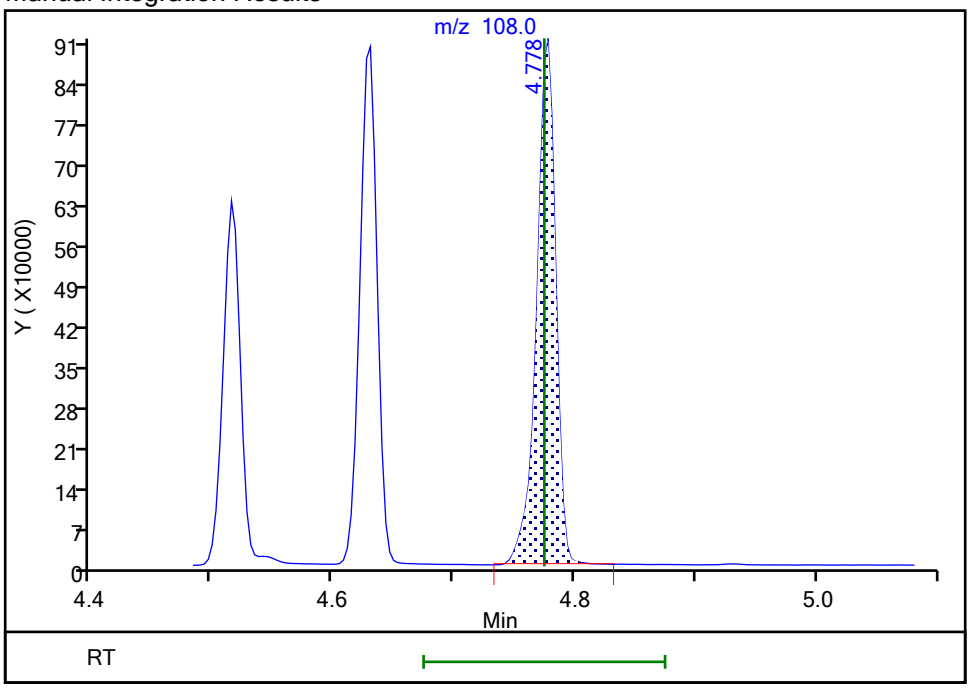
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 999144
Amount: 10.473032
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 17:16:17 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

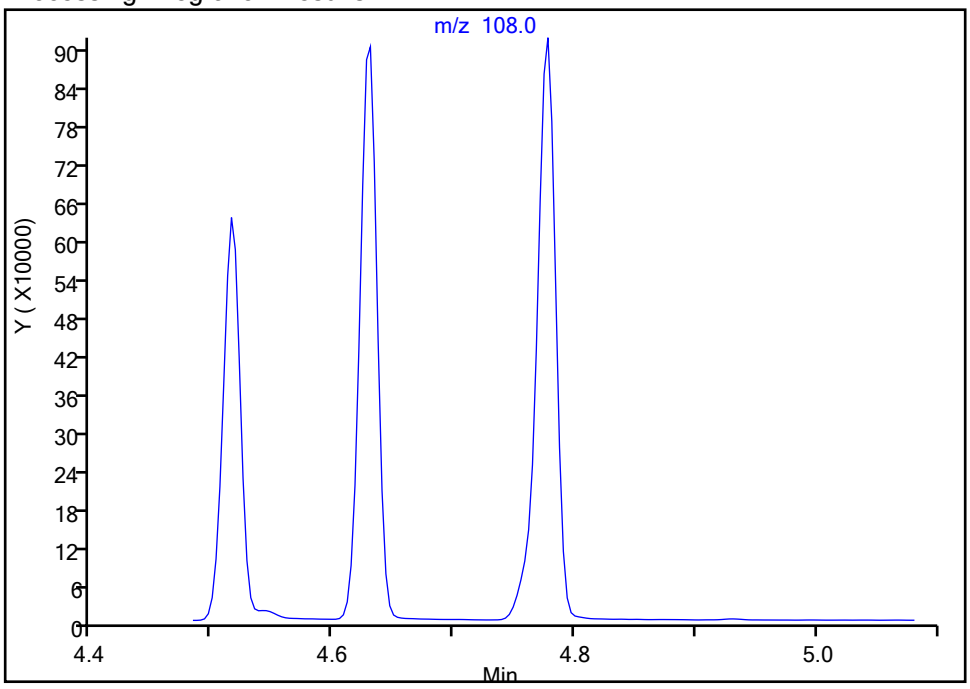
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48942.d				
Injection Date:	04-Mar-2024 16:55:30	Instrument ID:	CBNAMS14		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

24 4-Methylphenol, CAS: 106-44-5

Signal: 1

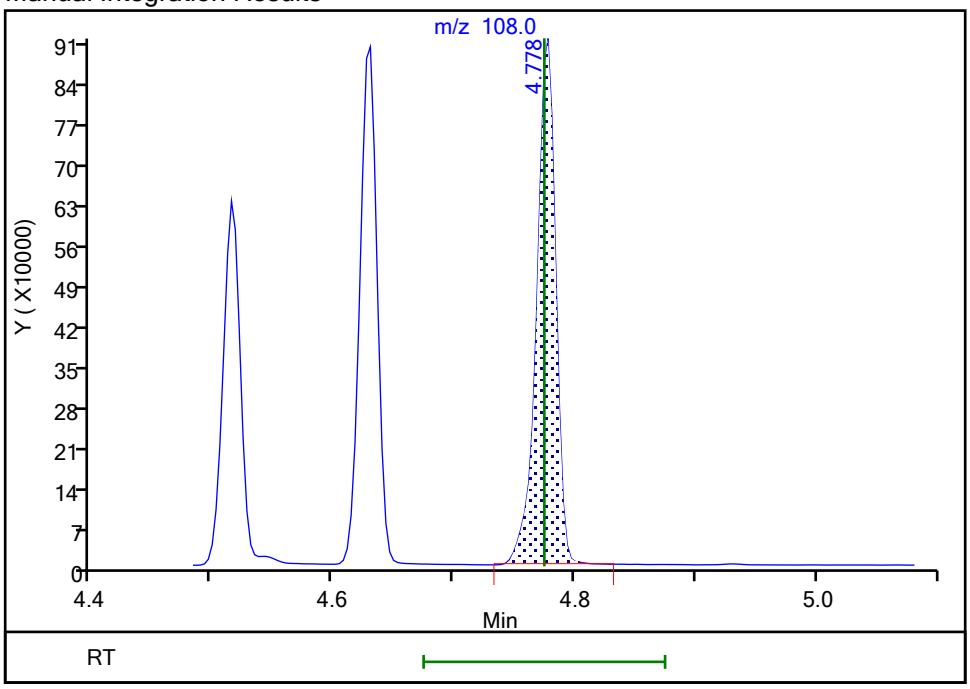
Not Detected
Expected RT: 4.77

Processing Integration Results



Manual Integration Results

RT: 4.78
Area: 999144
Amount: 10.473032
Amount Units: ug/ml



Reviewer: G4KC, 04-Mar-2024 17:16:19 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965598/2 | Calibration Date: 03/23/2024 15:26

Instrument ID: CBNAMS14 | Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 16:11

Lab File ID: N49368.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5823	0.5607		9630	10000	-3.7	20.0
N-Nitrosodimethylamine	Ave	0.8848	0.8191		9260	10000	-7.4	20.0
Pyridine	Ave	1.335	1.077		16100	20000	-19.3	20.0
Benzaldehyde	Ave	1.121	0.3982	0.0100	1420	4000	-64.5*	20.0
Phenol	Ave	1.880	1.680	0.8000	8940	10000	-10.6	20.0
Aniline	Ave	2.038	1.887		9260	10000	-7.4	20.0
Bis(2-chloroethyl)ether	Ave	1.379	1.255	0.7000	9110	10000	-8.9	20.0
2-Chlorophenol	Ave	1.436	1.335	0.8000	9300	10000	-7.0	20.0
n-Decane	Ave	1.257	1.124		8940	10000	-10.6	20.0
1,3-Dichlorobenzene	Ave	1.609	1.496		9300	10000	-7.0	20.0
1,4-Dichlorobenzene	Ave	1.621	1.502		9260	10000	-7.4	20.0
Benzyl alcohol	Ave	0.8473	0.7814		9220	10000	-7.8	20.0
1,2-Dichlorobenzene	Ave	1.519	1.418	0.0100	9340	10000	-6.6	20.0
2-Methylphenol	Ave	1.214	1.080	0.7000	8900	10000	-11.0	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.492	1.275	0.0100	8550	10000	-14.5	20.0
N-Methylaniline	Ave	1.947	1.860		9550	10000	-4.5	20.0
Acetophenone	Ave	1.852	1.616	0.0100	8730	10000	-12.7	20.0
N-Nitrosodi-n-propylamine	Ave	0.8654	0.7344	0.5000	8490	10000	-15.1	20.0
3 & 4 Methylphenol	Ave	1.357	1.125		8290	10000	-17.1	20.0
4-Methylphenol	Ave	1.357	1.125	0.6000	8290	10000	-17.1	20.0
Hexachloroethane	Ave	0.5775	0.5396	0.3000	9340	10000	-6.6	20.0
n,n'-Dimethylaniline	Ave	2.014	1.856		9210	10000	-7.9	20.0
Nitrobenzene	Ave	0.6601	0.5897	0.2000	8930	10000	-10.7	20.0
Isophorone	Ave	0.6493	0.5834	0.4000	8980	10000	-10.2	20.0
2-Nitrophenol	Ave	0.2062	0.1993	0.1000	9660	10000	-3.4	20.0
2,4-Dimethylphenol	Ave	0.3085	0.3053	0.2000	9900	10000	-1.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4338	0.3922	0.3000	9040	10000	-9.6	20.0
Benzoic acid	Lin1		0.1556		7820	10000	-21.8*	20.0
2,4-Dichlorophenol	Ave	0.3077	0.2918	0.2000	9480	10000	-5.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3521	0.3363		9550	10000	-4.5	20.0
Naphthalene	Ave	1.116	1.016	0.7000	9100	10000	-9.0	20.0
4-Chloroaniline	Ave	0.4185	0.4027	0.0100	9620	10000	-3.8	20.0
Hexachlorobutadiene	Ave	0.1911	0.1843	0.0100	9640	10000	-3.6	20.0
Caprolactam	Ave	0.0737	0.0693	0.0100	3760	4000	-6.0	20.0
4-Chloro-3-methylphenol	Ave	0.2813	0.2575	0.2000	9150	10000	-8.5	20.0
2-Methylnaphthalene	Ave	0.6841	0.6223	0.4000	9100	10000	-9.0	20.0
1-Methylnaphthalene	Ave	0.6335	0.5782		9130	10000	-8.7	20.0
Hexachlorocyclopentadiene	Ave	0.4546	0.4876	0.0500	10700	10000	7.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6627	0.6662	0.0100	10100	10000	0.5	20.0
2-tertbutyl-4-methylphenol	Ave	0.3887	0.3826		9850	10000	-1.5	20.0
2,4,6-Trichlorophenol	Ave	0.4052	0.4220	0.2000	10400	10000	4.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965598/2 | Calibration Date: 03/23/2024 15:26

Instrument ID: CBNAMS14 | Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 16:11

Lab File ID: N49368.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4486	0.4453	0.2000	9930	10000	-0.7	20.0
1,1'-Biphenyl	Ave	1.662	1.582	0.0100	9520	10000	-4.8	20.0
2-Chloronaphthalene	Ave	1.302	1.258	0.8000	9660	10000	-3.4	20.0
Phenyl ether	Ave	0.8830	0.8897		10100	10000	0.8	20.0
2-Nitroaniline	Ave	0.3992	0.3655	0.0100	9160	10000	-8.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9921	0.9836		9910	10000	-0.9	20.0
Dimethyl phthalate	Ave	1.303	1.213	0.0100	9310	10000	-6.9	20.0
Coumarin	Ave	0.2061	0.1799		8730	10000	-12.7	20.0
2,6-Dinitrotoluene	Ave	0.2980	0.2887	0.2000	9690	10000	-3.1	20.0
Acenaphthylene	Ave	2.009	1.757	0.9000	8740	10000	-12.6	20.0
3-Nitroaniline	Ave	0.3299	0.3014	0.0100	9140	10000	-8.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.048	1.058		10100	10000	0.9	20.0
Acenaphthene	Ave	1.149	1.070	0.9000	9310	10000	-6.9	20.0
2,4-Dinitrophenol	Lin2		0.1528	0.0100	18000	20000	-9.9	20.0
4-Nitrophenol	Ave	0.1926	0.1749	0.0100	18200	20000	-9.2	20.0
2,4-Dinitrotoluene	Ave	0.3664	0.3494	0.2000	9530	10000	-4.7	20.0
Dibenzofuran	Ave	1.721	1.584	0.8000	9200	10000	-8.0	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3335	0.3229	0.0100	9680	10000	-3.2	20.0
Diethyl phthalate	Ave	1.197	1.105	0.0100	9230	10000	-7.7	20.0
Fluorene	Ave	1.333	1.209	0.9000	9070	10000	-9.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.6555	0.6035	0.4000	9210	10000	-7.9	20.0
4-Nitroaniline	Ave	0.2986	0.2500	0.0100	8370	10000	-16.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1274	0.1330	0.0100	20900	20000	4.4	20.0
N-Nitrosodiphenylamine	Ave	0.5910	0.5607	0.0100	9490	10000	-5.1	20.0
1,2-Diphenylhydrazine	Ave	0.8053	0.7403		9190	10000	-8.1	20.0
Azobenzene	Ave	0.8054	0.7403		9190	10000	-8.1	20.0
4-Bromophenyl phenyl ether	Ave	0.2483	0.2416	0.1000	9730	10000	-2.7	20.0
Hexachlorobenzene	Ave	0.3212	0.3081	0.1000	9590	10000	-4.1	20.0
Atrazine	Ave	0.1810	0.1871	0.0100	4130	4000	3.3	20.0
Pentachlorophenol	Ave	0.1625	0.1601	0.0500	19700	20000	-1.5	20.0
Pentachloronitrobenzene	Ave	0.0887	0.0880	0.0100	9920	10000	-0.8	20.0
n-Octadecane	Ave	0.4751	0.4638		9760	10000	-2.4	20.0
Phenanthrene	Ave	1.088	1.018	0.7000	9360	10000	-6.4	20.0
Anthracene	Ave	1.110	1.037	0.7000	9340	10000	-6.6	20.0
Carbazole	Ave	0.9388	0.8799	0.0100	9370	10000	-6.3	20.0
Di-n-butyl phthalate	Ave	0.9676	1.050	0.0100	10900	10000	8.5	20.0
Fluoranthene	Ave	0.9671	0.9552	0.6000	9880	10000	-1.2	20.0
Benzidine	Ave	0.4080	0.3347		8200	10000	-18.0	20.0
Pyrene	Ave	1.634	1.487	0.6000	9100	10000	-9.0	20.0
Bisphenol-A	Ave	0.4846	0.5280		10900	10000	9.0	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965598/2 | Calibration Date: 03/23/2024 15:26

Instrument ID: CBNAMS14 | Calib Start Date: 03/04/2024 10:25

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 16:11

Lab File ID: N49368.d | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5307	0.5745	0.0100	10800	10000	8.3	20.0
2,3,7,8-TCDD	Ave	0.2910	0.2851		98.0	100	-2.0	20.0
Carbamazepine	Lin2		0.4036		9170	10000	-8.3	20.0
3,3'-Dichlorobenzidine	Ave	0.4470	0.4918	0.0100	11000	10000	10.0	20.0
Benzo[a]anthracene	Ave	1.235	1.220	0.8000	9870	10000	-1.3	20.0
Chrysene	Ave	1.185	1.100	0.7000	9290	10000	-7.1	20.0
Bis(2-ethylhexyl) phthalate	Qua1		0.7952	0.0100	10700	10000	7.4	20.0
Di-n-octyl phthalate	Ave	1.078	1.172	0.0100	10900	10000	8.7	20.0
Benzo[b]fluoranthene	Ave	1.139	1.144		10000	10000	0.5	20.0
Benzo[k]fluoranthene	Ave	1.167	1.160	0.7000	9940	10000	-0.6	20.0
Benzo[a]pyrene	Ave	0.9631	1.003	0.7000	10400	10000	4.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.068	1.207	0.5000	11300	10000	13.0	20.0
Dibenz(a,h)anthracene	Ave	1.195	1.256	0.4000	10500	10000	5.0	20.0
Benzo[g,h,i]perylene	Ave	1.239	1.249	0.5000	10100	10000	0.9	20.0
2-Fluorophenol (Surr)	Ave	1.352	1.361		10100	10000	0.7	20.0
Phenol-d5 (Surr)	Ave	1.586	1.561		9840	10000	-1.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3691	0.3702		10000	10000	0.3	20.0
2-Fluorobiphenyl	Ave	1.495	1.512		10100	10000	1.1	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2734	0.2849		10400	10000	4.2	20.0
Terphenyl-d14 (Surr)	Ave	1.266	1.268		10000	10000	0.2	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49368.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 23-Mar-2024 15:26:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-002
Operator ID: Instrument ID: CBNAMS14
Sublist: chrom-8270LVI_14*sub62

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: V5XH Date: 25-Mar-2024 07:53:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.801	1.801	0.000	92	518459	10.0	9.63	
2 N-Nitrosodimethylamine	74	2.009	2.009	0.000	96	757401	10.0	9.26	
3 Pyridine	79	2.038	2.038	0.000	96	1992398	20.0	16.1	
$ 4 2-Fluorophenol	112	3.098	3.098	0.000	97	1258634	10.0	10.1	
5 Benzaldehyde	77	3.896	3.896	0.000	96	147285	4.00	1.42	
$ 6 Phenol-d5	99	3.983	3.983	0.000	94	1443058	10.0	9.84	
7 Phenol	94	3.995	3.995	0.000	96	1553713	10.0	8.94	
8 Aniline	93	4.002	4.002	0.000	95	1745032	10.0	9.26	
9 Bis(2-chloroethyl)ether	93	4.063	4.063	0.000	98	1160757	10.0	9.11	
10 Benzonitrile	103	4.082	4.082	0.000	97	2248220	NC	NC	
11 2-Chlorophenol	128	4.123	4.123	0.000	98	1234757	10.0	9.30	
12 n-Decane	43	4.158	4.158	0.000	89	1039319	10.0	8.94	
13 1,3-Dichlorobenzene	146	4.261	4.261	0.000	96	1382852	10.0	9.30	
* 14 1,4-Dichlorobenzene-d4	152	4.315	4.315	0.000	95	739702	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.331	4.331	0.000	95	1388477	10.0	9.26	
16 Benzyl alcohol	108	4.452	4.452	0.000	95	722528	10.0	9.22	
17 1,2-Dichlorobenzene	146	4.475	4.475	0.000	97	1311161	10.0	9.34	
18 2-Methylphenol	108	4.571	4.571	0.000	90	998650	10.0	8.90	
19 2,2'-oxybis[1-chloropropane]	45	4.577	4.577	0.000	95	1179150	10.0	8.55	
20 N-Methylaniline	106	4.695	4.695	0.000	96	1719996	10.0	9.55	a
22 N-Nitrosodi-n-propylamine	70	4.705	4.705	0.000	75	679087	10.0	8.49	
21 Acetophenone	105	4.705	4.705	0.000	93	1494054	10.0	8.73	
23 3 & 4 Methylphenol	108	4.721	4.721	0.000	79	1040599	10.0	8.29	
24 4-Methylphenol	108	4.721	4.721	0.000	97	1040599	10.0	8.29	
25 Hexachloroethane	117	4.798	4.798	0.000	95	498890	10.0	9.34	
$ 27 Nitrobenzene-d5	82	4.849	4.849	0.000	85	1118603	10.0	10.0	
28 Nitrobenzene	123	4.868	4.868	0.000	96	545271	10.0	8.93	
29 n,n'-Dimethylaniline	120	4.868	4.868	0.000	91	1715807	10.0	9.21	
30 Isophorone	82	5.095	5.095	0.000	99	1762702	10.0	8.98	
32 2-Nitrophenol	139	5.168	5.168	0.000	96	602237	10.0	9.66	
33 2,4-Dimethylphenol	122	5.223	5.223	0.000	92	922367	10.0	9.90	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.306	5.306	0.000	98	1184970	10.0	9.04	
35 Benzoic acid	122	5.335	5.335	0.000	87	470041	10.0	7.82	
36 2,4-Dichlorophenol	162	5.411	5.411	0.000	97	881596	10.0	9.48	
37 1,2,4-Trichlorobenzene	180	5.479	5.479	0.000	94	1016127	10.0	9.55	
* 38 Naphthalene-d8	136	5.533	5.533	0.000	99	2417042	8.00	8.00	
39 Naphthalene	128	5.555	5.555	0.000	99	3068206	10.0	9.10	
40 4-Chloroaniline	127	5.613	5.613	0.000	98	1216715	10.0	9.62	
130 2,6-Dichlorophenol	162	5.619	5.619	0.000	99	860262	10.0	9.36	
41 Hexachlorobutadiene	225	5.674	5.674	0.000	98	556684	10.0	9.64	
42 Caprolactam	113	5.933	5.933	0.000	94	83798	4.00	3.76	
43 4-Chloro-3-methylphenol	107	6.092	6.092	0.000	95	777890	10.0	9.15	
44 2-Methylnaphthalene	142	6.214	6.214	0.000	85	1880098	10.0	9.10	
45 1-Methylnaphthalene	142	6.310	6.310	0.000	92	1746807	10.0	9.13	
46 Hexachlorocyclopentadiene	237	6.368	6.368	0.000	98	668377	10.0	10.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.374	6.374	0.000	98	913179	10.0	10.1	
48 2-tertbutyl-4-methylphenol	149	6.419	6.419	0.000	92	1156073	10.0	9.85	
49 2,4,6-Trichlorophenol	196	6.489	6.489	0.000	91	578473	10.0	10.4	
50 2,4,5-Trichlorophenol	196	6.531	6.531	0.000	99	610407	10.0	9.93	
$ 51 2-Fluorobiphenyl	172	6.569	6.569	0.000	97	2072995	10.0	10.1	
52 1,1'-Biphenyl	154	6.662	6.662	0.000	96	2168347	10.0	9.52	
53 2-Chloronaphthalene	162	6.678	6.678	0.000	99	1725028	10.0	9.66	
54 Phenyl ether	170	6.764	6.764	0.000	88	1219621	10.0	10.1	
55 2-Nitroaniline	65	6.781	6.781	0.000	95	501038	10.0	9.16	
57 1,3-Dimethylnaphthalene	156	6.889	6.889	0.000	92	1348328	10.0	9.91	
59 Dimethyl phthalate	163	6.960	6.960	0.000	99	1662660	10.0	9.31	
60 Coumarin	146	6.972	6.972	0.000	81	543636	10.0	8.73	
61 2,6-Dinitrotoluene	165	7.014	7.014	0.000	95	395691	10.0	9.69	
62 Acenaphthylene	152	7.072	7.072	0.000	97	2407799	10.0	8.74	
63 3-Nitroaniline	138	7.174	7.174	0.000	96	413089	10.0	9.14	
* 64 Acenaphthene-d10	164	7.206	7.206	0.000	95	1096630	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.235	7.235	0.000	97	1450519	10.0	10.1	
66 Acenaphthene	154	7.235	7.235	0.000	96	1466327	10.0	9.31	
67 2,4-Dinitrophenol	184	7.270	7.270	0.000	96	418872	20.0	18.0	
68 4-Nitrophenol	65	7.363	7.363	0.000	88	479482	20.0	18.2	
69 2,4-Dinitrotoluene	165	7.392	7.392	0.000	96	478926	10.0	9.53	
70 Dibenzofuran	168	7.401	7.401	0.000	96	2171669	10.0	9.20	
72 2,3,4,6-Tetrachlorophenol	232	7.523	7.523	0.000	96	442600	10.0	9.68	
73 Diethyl phthalate	149	7.632	7.632	0.000	99	1514306	10.0	9.23	
75 Fluorene	166	7.724	7.724	0.000	95	1656800	10.0	9.07	
74 4-Chlorophenyl phenyl ether	204	7.731	7.731	0.000	91	827269	10.0	9.21	
76 4-Nitroaniline	138	7.756	7.756	0.000	86	342750	10.0	8.37	
77 4,6-Dinitro-2-methylphenol	198	7.779	7.779	0.000	90	548501	20.0	20.9	
78 N-Nitrosodiphenylamine	169	7.846	7.846	0.000	96	1156458	10.0	9.49	
131 Azobenzene	77	7.881	7.881	0.000	0	1527037	10.0	9.19	
79 1,2-Diphenylhydrazine	77	7.881	7.881	0.000	94	1527037	10.0	9.19	
$ 80 2,4,6-Tribromophenol	330	7.955	7.955	0.000	91	390594	10.0	10.4	
81 4-Bromophenyl phenyl ether	248	8.192	8.192	0.000	95	498378	10.0	9.73	
82 Hexachlorobenzene	284	8.246	8.246	0.000	94	635530	10.0	9.59	
83 Atrazine	200	8.358	8.358	0.000	95	154333	4.00	4.13	
84 Pentachlorophenol	266	8.441	8.441	0.000	96	660522	20.0	19.7	
85 Pentachloronitrobenzene	237	8.448	8.448	0.000	91	181513	10.0	9.92	
86 n-Octadecane	57	8.534	8.534	0.000	90	956631	10.0	9.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 87 Phenanthrene-d10	188	8.614	8.614	0.000	99	1650152	8.00	8.00	
88 Phenanthrene	178	8.637	8.637	0.000	98	2100819	10.0	9.36	
89 Anthracene	178	8.685	8.685	0.000	98	2139565	10.0	9.34	
90 Carbazole	167	8.845	8.845	0.000	96	1814913	10.0	9.37	
91 Di-n-butyl phthalate	149	9.190	9.190	0.000	99	2165565	10.0	10.9	
92 Fluoranthene	202	9.765	9.765	0.000	97	1970274	10.0	9.88	
93 Benzidine	184	9.903	9.903	0.000	99	690448	10.0	8.20	
94 Pyrene	202	9.980	9.980	0.000	96	1991321	10.0	9.10	
95 Bisphenol-A	213	10.047	10.047	0.000	99	707022	10.0	10.9	
$ 96 Terphenyl-d14	244	10.140	10.140	0.000	97	1698403	10.0	10.0	
97 Butyl benzyl phthalate	149	10.645	10.645	0.000	96	769199	10.0	10.8	
98 2,3,7,8-TCDD	320	10.719	10.719	0.000	92	3817	0.1000	0.0980	
99 Carbamazepine	193	10.741	10.741	0.000	92	540422	10.0	9.17	
100 3,3'-Dichlorobenzidine	252	11.209	11.209	0.000	98	658469	10.0	11.0	
101 Benzo[a]anthracene	228	11.225	11.225	0.000	99	1633108	10.0	9.87	
* 102 Chrysene-d12	240	11.234	11.234	0.000	99	1071201	8.00	8.00	
104 Chrysene	228	11.263	11.263	0.000	98	1473483	10.0	9.29	
103 Bis(2-ethylhexyl) phthalate	149	11.302	11.302	0.000	86	1064727	10.0	10.7	
105 Di-n-octyl phthalate	149	12.131	12.131	0.000	96	1666447	10.0	10.9	
106 Benzo[b]fluoranthene	252	12.572	12.572	0.000	98	1626881	10.0	10.0	
107 Benzo[k]fluoranthene	252	12.611	12.611	0.000	99	1649666	10.0	9.94	
108 Benzo[a]pyrene	252	13.014	13.014	0.000	97	1426684	10.0	10.4	
* 109 Perylene-d12	264	13.094	13.094	0.000	99	1137453	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.625	14.625	0.000	99	1716767	10.0	11.3	
111 Dibenz(a,h)anthracene	278	14.670	14.670	0.000	99	1785415	10.0	10.5	
112 Benzo[g,h,i]perylene	276	15.042	15.042	0.000	98	1776300	10.0	10.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

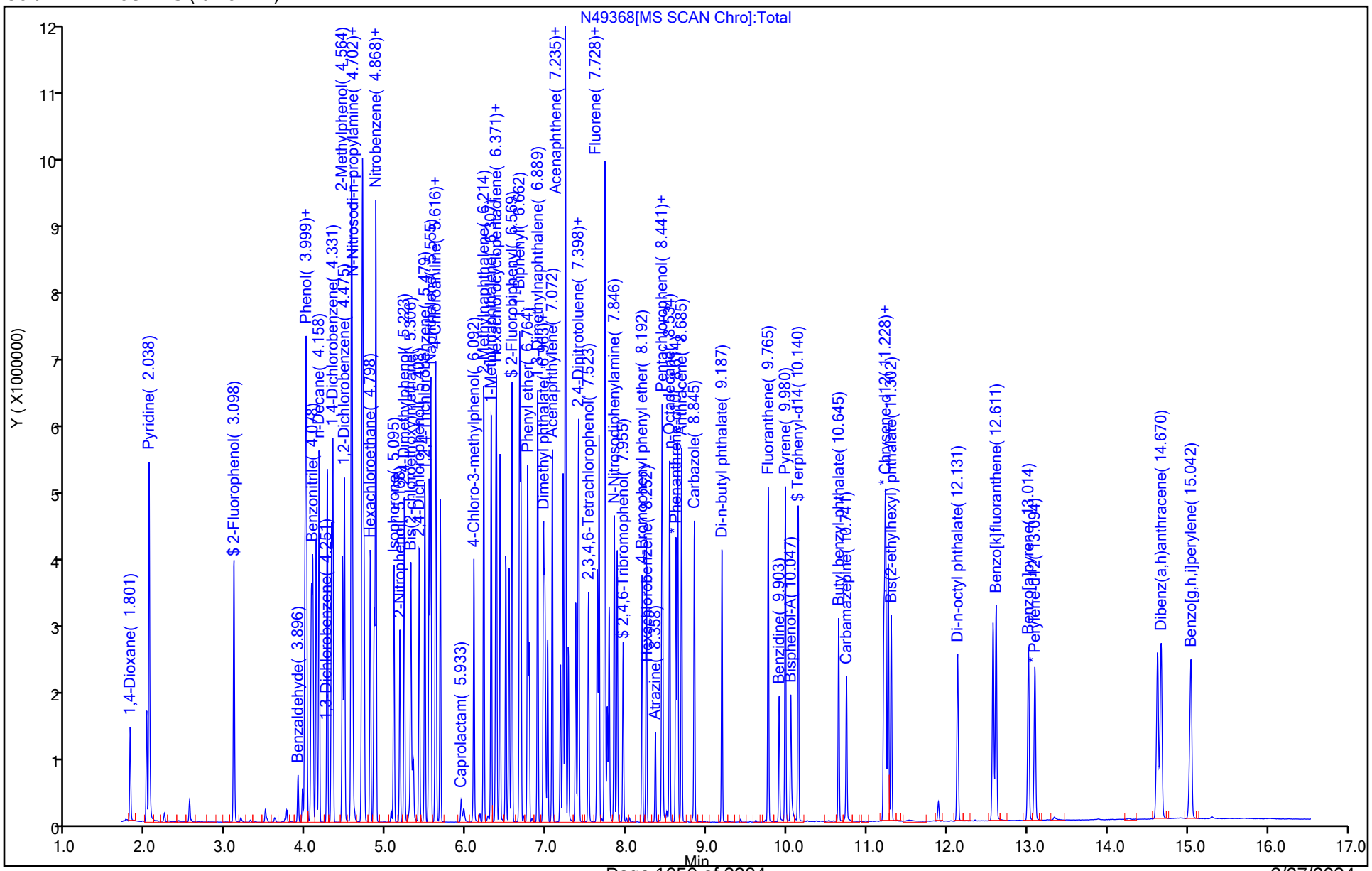
Report Date: 25-Mar-2024 07:53:27 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49368.d

Injection Date:	23-Mar-2024 15:26:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

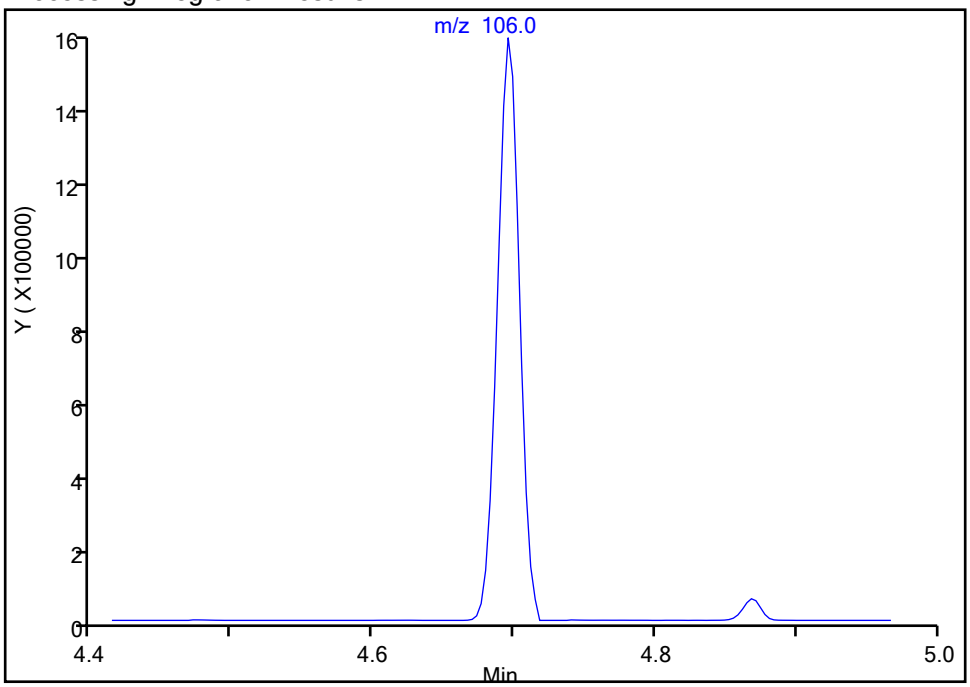
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49368.d
Injection Date: 23-Mar-2024 15:26:30 Instrument ID: CBNAMS14
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

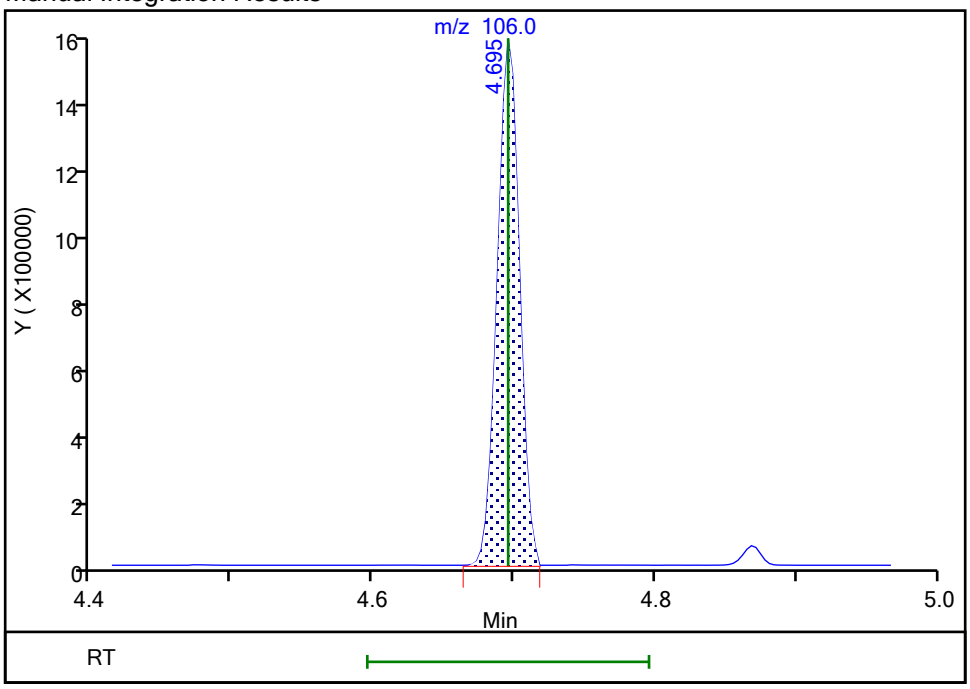
Not Detected
Expected RT: 4.70

Processing Integration Results



Manual Integration Results

RT: 4.70
Area: 1719996
Amount: 9.553379
Amount Units: ug/ml



Reviewer: U6BX, 23-Mar-2024 15:47:32 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 | Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5636		10200	10000	2.0	30.0
N-Nitrosodimethylamine	Ave	0.8383	0.8471		10100	10000	1.1	30.0
Pyridine	Ave	1.297	1.400		21600	20000	8.0	30.0
Benzaldehyde	Ave	0.9786	1.015	0.0100	4150	4000	3.7	30.0
Aniline	Ave	1.835	1.977		10800	10000	7.7	30.0
Phenol	Ave	1.744	1.803	0.8000	10300	10000	3.4	30.0
Bis(2-chloroethyl)ether	Ave	1.349	1.401	0.7000	10400	10000	3.9	30.0
2-Chlorophenol	Ave	1.419	1.492	0.8000	10500	10000	5.1	30.0
n-Decane	Ave	1.148	1.172		10200	10000	2.1	30.0
1,3-Dichlorobenzene	Ave	1.617	1.681		10400	10000	4.0	30.0
1,4-Dichlorobenzene	Ave	1.648	1.728		10500	10000	4.9	30.0
Benzyl alcohol	Ave	0.9039	0.9492		10500	10000	5.0	30.0
1,2-Dichlorobenzene	Ave	1.563	1.658	0.0100	10600	10000	6.1	30.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.445	0.0100	10100	10000	0.6	30.0
2-Methylphenol	Ave	1.252	1.342	0.7000	10700	10000	7.2	30.0
N-Methylaniline	Ave	1.988	2.150		10800	10000	8.1	30.0
Acetophenone	Ave	1.953	2.115	0.0100	10800	10000	8.3	30.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.9735	0.5000	11100	10000	10.6	30.0
3 & 4 Methylphenol	Ave	1.340	1.403		10500	10000	4.7	30.0
4-Methylphenol	Ave	1.340	1.397	0.6000	10400	10000	4.3	30.0
Hexachloroethane	Ave	0.5615	0.6067	0.3000	10800	10000	8.1	30.0
n,n'-Dimethylaniline	Ave	2.174	2.205		10100	10000	1.4	30.0
Nitrobenzene	Ave	0.6991	0.7638	0.2000	10900	10000	9.2	30.0
Isophorone	Ave	0.5969	0.6471	0.4000	10800	10000	8.4	30.0
2-Nitrophenol	Ave	0.1930	0.2078	0.1000	10800	10000	7.7	30.0
2,4-Dimethylphenol	Ave	0.2954	0.3220	0.2000	10900	10000	9.0	30.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.4419	0.3000	10600	10000	6.4	30.0
Benzoic acid	Ave	0.1909	0.1995		10400	10000	4.5	30.0
2,4-Dichlorophenol	Ave	0.2977	0.3254	0.2000	10900	10000	9.3	30.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3645		10800	10000	8.1	30.0
Naphthalene	Ave	1.094	1.180	0.7000	10800	10000	7.9	30.0
4-Chloroaniline	Ave	0.3970	0.4510	0.0100	11400	10000	13.6	30.0
Hexachlorobutadiene	Ave	0.1859	0.2010	0.0100	10800	10000	8.1	30.0
Caprolactam	Lin2		0.0781	0.0100	4070	4000	1.8	30.0
4-Chloro-3-methylphenol	Ave	0.2809	0.3015	0.2000	10700	10000	7.3	30.0
2-Methylnaphthalene	Ave	0.7045	0.7694	0.4000	10900	10000	9.2	30.0
1-Methylnaphthalene	Ave	0.6603	0.7041		10700	10000	6.6	30.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4437	0.0500	10600	10000	5.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6786	0.0100	10800	10000	8.1	30.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4360		10800	10000	8.3	30.0
2,4,6-Trichlorophenol	Ave	0.3890	0.4270	0.2000	11000	10000	9.8	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.4701	0.2000	11000	10000	9.8	30.0
1,1'-Biphenyl	Ave	1.655	1.755	0.0100	10600	10000	6.1	30.0
2-Chloronaphthalene	Ave	1.284	1.359	0.8000	10600	10000	5.8	30.0
Phenyl ether	Ave	0.8723	0.8847		10100	10000	1.4	30.0
2-Nitroaniline	Ave	0.2901	0.3101	0.0100	10700	10000	6.9	30.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9897		10100	10000	0.8	30.0
Dimethyl phthalate	Ave	1.350	1.400	0.0100	10400	10000	3.7	30.0
Coumarin	Ave	0.2266	0.2287		10100	10000	0.9	30.0
2,6-Dinitrotoluene	Ave	0.2845	0.3178	0.2000	11200	10000	11.7	30.0
Acenaphthylene	Ave	2.000	2.100	0.9000	10500	10000	5.0	30.0
3-Nitroaniline	Ave	0.3130	0.3336	0.0100	10700	10000	6.6	30.0
Acenaphthene	Ave	1.194	1.257	0.9000	10500	10000	5.3	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.140		10400	10000	3.8	30.0
2,4-Dinitrophenol	Ave	0.1813	0.2088	0.0100	23000	20000	15.2	30.0
2,4-Dinitrotoluene	Ave	0.3557	0.4110	0.2000	11600	10000	15.6	30.0
Dibenzofuran	Ave	1.788	1.883	0.8000	10500	10000	5.4	30.0
4-Nitrophenol	Ave	0.2051	0.2190	0.0100	21400	20000	6.8	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3719	0.0100	10900	10000	9.2	30.0
Diethyl phthalate	Ave	1.311	1.365	0.0100	10400	10000	4.1	30.0
Fluorene	Ave	1.412	1.477	0.9000	10500	10000	4.6	30.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.7306	0.4000	10600	10000	6.1	30.0
4-Nitroaniline	Ave	0.2811	0.2987	0.0100	10600	10000	6.3	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1498	0.0100	22600	20000	13.2	30.0
N-Nitrosodiphenylamine	Ave	0.5641	0.6042	0.0100	10700	10000	7.1	30.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7918		10800	10000	8.0	30.0
Azobenzene	Ave	0.7335	0.7917		10800	10000	7.9	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2498	0.1000	10700	10000	6.8	30.0
Hexachlorobenzene	Ave	0.2853	0.3155	0.1000	11100	10000	10.6	30.0
Atrazine	Ave	0.1718	0.1895	0.0100	4410	4000	10.3	30.0
Pentachloronitrobenzene	Ave	0.0895	0.0943	0.0100	10500	10000	5.4	30.0
Pentachlorophenol	Ave	0.1629	0.1847	0.0500	22700	20000	13.4	30.0
n-Octadecane	Ave	0.4575	0.4821		10500	10000	5.4	30.0
Phenanthrene	Ave	1.096	1.172	0.7000	10700	10000	6.9	30.0
Anthracene	Ave	1.105	1.189	0.7000	10800	10000	7.6	30.0
Carbazole	Ave	0.9530	1.019	0.0100	10700	10000	7.0	30.0
Di-n-butyl phthalate	Ave	1.115	1.212	0.0100	10900	10000	8.7	30.0
Fluoranthene	Ave	1.043	1.135	0.6000	10900	10000	8.9	30.0
Benzidine	Ave	0.4790	0.5199		10900	10000	8.5	30.0
Pyrene	Ave	1.542	1.660	0.6000	10800	10000	7.7	30.0
Bisphenol-A	Ave	0.5574	0.5879		10500	10000	5.5	30.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-962246/11 Calibration Date: 03/04/2024 17:44

Instrument ID: CBNAMS18 Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 17:02

Lab File ID: P83883.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.6344	0.0100	11000	10000	9.6	30.0
Carbamazepine	Lin1		0.3835		8520	10000	-14.8	30.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.5131	0.0100	11000	10000	10.4	30.0
Benzo[a]anthracene	Ave	1.305	1.444	0.8000	11100	10000	10.7	30.0
Chrysene	Ave	1.218	1.358	0.7000	11100	10000	11.5	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8931	0.0100	11600	10000	16.1	30.0
Di-n-octyl phthalate	Ave	1.300	1.423	0.0100	10900	10000	9.4	30.0
Benzo[b]fluoranthene	Ave	1.230	1.355		11000	10000	10.1	30.0
Benzo[k]fluoranthene	Ave	1.259	1.376	0.7000	10900	10000	9.3	30.0
Benzo[a]pyrene	Ave	1.076	1.249	0.7000	11600	10000	16.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.238	0.5000	11100	10000	10.9	30.0
Dibenz(a,h)anthracene	Ave	1.226	1.326	0.4000	10800	10000	8.2	30.0
Benzo[g,h,i]perylene	Ave	1.243	1.312	0.5000	10600	10000	5.6	30.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 04-Mar-2024 17:44:30 ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-011
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub5

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 07:38:34 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 05-Mar-2024 07:38:47

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.697	1.713	-0.016	91	237498	10.0	10.2	
	2 N-Nitrosodimethylamine	74	1.908	1.924	-0.016	95	356986	10.0	10.1	
	3 Pyridine	79	1.959	1.997	-0.038	97	1180177	20.0	21.6	
	5 Benzaldehyde	77	3.827	3.837	-0.010	95	171035	4.00	4.15	E
	8 Aniline	93	3.939	3.949	-0.010	97	832988	10.0	10.8	
	7 Phenol	94	3.965	3.975	-0.010	95	760019	10.0	10.3	
	9 Bis(2-chloroethyl)ether	93	3.994	3.997	-0.003	98	590257	10.0	10.4	
	10 Benzonitrile	103	4.010	4.019	-0.009	97	1082954	NC	NC	
	11 2-Chlorophenol	128	4.064	4.070	-0.006	98	628613	10.0	10.5	
	12 n-Decane	43	4.086	4.090	-0.004	88	493893	10.0	10.2	
	13 1,3-Dichlorobenzene	146	4.188	4.192	-0.004	97	708536	10.0	10.4	
*	14 1,4-Dichlorobenzene-d4	152	4.243	4.246	-0.003	94	337142	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.259	4.262	-0.003	96	728216	10.0	10.5	
	17 Benzyl alcohol	108	4.396	4.406	-0.010	95	400023	10.0	10.5	
	18 1,2-Dichlorobenzene	146	4.406	4.406	0.000	97	698546	10.0	10.6	
	21 2,2'-oxybis[1-chloropropane]	45	4.515	4.515	0.000	93	608828	10.0	10.1	
	20 2-Methylphenol	108	4.527	4.537	-0.010	92	565404	10.0	10.7	
	22 N-Methylaniline	106	4.630	4.633	-0.003	99	906009	10.0	10.8	
	23 Acetophenone	105	4.639	4.646	-0.007	95	891111	10.0	10.8	
	24 N-Nitrosodi-n-propylamine	70	4.642	4.652	-0.010	85	410260	10.0	11.1	
	26 4-Methylphenol	108	4.678	4.687	-0.009	97	588820	10.0	10.4	
	25 3 & 4 Methylphenol	108	4.678	4.687	-0.009	62	591445	10.0	10.5	
	27 Hexachloroethane	117	4.726	4.729	-0.003	94	255688	10.0	10.8	
	29 Nitrobenzene	123	4.799	4.803	-0.004	85	321879	10.0	10.9	
	30 n,n'-Dimethylaniline	120	4.799	4.803	-0.004	87	929307	10.0	10.1	
	31 Isophorone	82	5.036	5.049	-0.013	98	1081861	10.0	10.8	
	32 2-Nitrophenol	139	5.103	5.106	-0.003	96	347495	10.0	10.8	
	33 2,4-Dimethylphenol	122	5.173	5.183	-0.010	93	538446	10.0	10.9	
	34 Bis(2-chloroethoxy)methane	93	5.243	5.250	-0.007	97	738861	10.0	10.6	
	35 Benzoic acid	122	5.298	5.314	-0.016	86	333545	10.0	10.4	
	36 2,4-Dichlorophenol	162	5.358	5.365	-0.007	98	544058	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
37 1,2,4-Trichlorobenzene	180	5.410	5.413	-0.003	94	609420	10.0	10.8	
* 38 Naphthalene-d8	136	5.464	5.464	0.000	99	1337583	8.00	8.00	
39 Naphthalene	128	5.483	5.487	-0.004	99	1973091	10.0	10.8	
40 4-Chloroaniline	127	5.550	5.557	-0.007	98	754007	10.0	11.4	
41 2,6-Dichlorophenol	162	5.557	5.564	-0.007	98	548036	10.0	11.0	
42 Hexachlorobutadiene	225	5.605	5.605	0.000	97	336009	10.0	10.8	
44 Caprolactam	113	5.892	5.931	-0.039	95	52266	4.00	4.07	
45 4-Chloro-3-methylphenol	107	6.052	6.059	-0.007	95	504144	10.0	10.7	
46 2-Methylnaphthalene	142	6.145	6.149	-0.004	85	1286420	10.0	10.9	
47 1-Methylnaphthalene	142	6.238	6.241	-0.003	93	1177209	10.0	10.7	
48 Hexachlorocyclopentadiene	237	6.295	6.299	-0.004	98	397363	10.0	10.6	
49 1,2,4,5-Tetrachlorobenzene	216	6.302	6.305	-0.003	98	607734	10.0	10.8	
50 2-tertbutyl-4-methylphenol	149	6.363	6.369	-0.006	92	728939	10.0	10.8	
51 2,4,6-Trichlorophenol	196	6.430	6.433	-0.003	92	382425	10.0	11.0	
52 2,4,5-Trichlorophenol	196	6.481	6.488	-0.007	99	421025	10.0	11.0	
54 1,1'-Biphenyl	154	6.593	6.594	-0.001	95	1571778	10.0	10.6	
55 2-Chloronaphthalene	162	6.606	6.610	-0.004	99	1216951	10.0	10.6	
56 Phenyl ether	170	6.692	6.696	-0.004	84	792244	10.0	10.1	
57 2-Nitroaniline	65	6.718	6.725	-0.007	92	277738	10.0	10.7	
58 1,3-Dimethylnaphthalene	156	6.817	6.818	-0.001	92	886332	10.0	10.1	
59 Dimethyl phthalate	163	6.897	6.904	-0.007	100	1253599	10.0	10.4	
60 Coumarin	146	6.906	6.914	-0.008	82	382390	10.0	10.1	
61 2,6-Dinitrotoluene	165	6.948	6.952	-0.004	95	284615	10.0	11.2	
62 Acenaphthylene	152	6.996	7.000	-0.004	98	1880925	10.0	10.5	
63 3-Nitroaniline	138	7.111	7.118	-0.007	97	298747	10.0	10.7	
* 64 Acenaphthene-d10	164	7.130	7.134	-0.004	95	716413	8.00	8.00	
65 Acenaphthene	154	7.162	7.166	-0.004	95	1125739	10.0	10.5	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.165	7.166	-0.001	97	1021168	10.0	10.4	
67 2,4-Dinitrophenol	184	7.204	7.211	-0.007	94	373929	20.0	23.0	
69 2,4-Dinitrotoluene	165	7.325	7.330	-0.005	93	368086	10.0	11.6	
70 Dibenzofuran	168	7.325	7.330	-0.005	99	1686646	10.0	10.5	
68 4-Nitrophenol	65	7.338	7.349	-0.011	84	392266	20.0	21.4	a
71 2,3,4,6-Tetrachlorophenol	232	7.457	7.461	-0.004	96	333020	10.0	10.9	
72 Diethyl phthalate	149	7.565	7.573	-0.008	98	1222403	10.0	10.4	
73 Fluorene	166	7.649	7.653	-0.004	95	1322947	10.0	10.5	
74 4-Chlorophenyl phenyl ether	204	7.655	7.660	-0.005	92	654259	10.0	10.6	
75 4-Nitroaniline	138	7.694	7.701	-0.007	86	267451	10.0	10.6	
76 4,6-Dinitro-2-methylphenol	198	7.710	7.714	-0.004	95	449026	20.0	22.6	
77 N-Nitrosodiphenylamine	169	7.774	7.778	-0.004	98	905535	10.0	10.7	
78 1,2-Diphenylhydrazine	77	7.806	7.810	-0.004	97	1186610	10.0	10.8	
131 Azobenzene	77	7.806	7.810	-0.004	0	1186521	10.0	10.8	
80 4-Bromophenyl phenyl ether	248	8.119	8.121	-0.002	94	374337	10.0	10.7	
82 Hexachlorobenzene	284	8.167	8.169	-0.002	95	472828	10.0	11.1	
83 Atrazine	200	8.292	8.303	-0.011	95	113586	4.00	4.41	
85 Pentachloronitrobenzene	237	8.369	8.374	-0.005	85	141337	10.0	10.5	
84 Pentachlorophenol	266	8.369	8.374	-0.005	94	553514	20.0	22.7	
87 n-Octadecane	57	8.458	8.464	-0.006	88	722489	10.0	10.5	
* 88 Phenanthrene-d10	188	8.532	8.537	-0.005	98	1198958	8.00	8.00	
89 Phenanthrene	178	8.554	8.560	-0.006	97	1756441	10.0	10.7	
90 Anthracene	178	8.602	8.608	-0.006	98	1781764	10.0	10.8	
91 Carbazole	167	8.769	8.774	-0.005	96	1527559	10.0	10.7	
92 Di-n-butyl phthalate	149	9.114	9.120	-0.006	99	1816927	10.0	10.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
93 Fluoranthene	202	9.677	9.680	-0.003	98	1701705	10.0	10.9	
94 Benzidine	184	9.821	9.828	-0.007	99	779118	10.0	10.9	
95 Pyrene	202	9.888	9.892	-0.004	97	1745801	10.0	10.8	
96 Bisphenol-A	213	9.975	9.979	-0.004	99	618394	10.0	10.5	
98 Butyl benzyl phthalate	149	10.554	10.560	-0.006	95	667269	10.0	11.0	
100 Carbamazepine	193	10.654	10.666	-0.012	92	403320	10.0	8.52	
101 3,3'-Dichlorobenzidine	252	11.108	11.115	-0.007	99	539672	10.0	11.0	
102 Benzo[a]anthracene	228	11.118	11.122	-0.004	99	1518922	10.0	11.1	
* 103 Chrysene-d12	240	11.128	11.132	-0.004	99	841450	8.00	8.00	
104 Chrysene	228	11.157	11.161	-0.004	98	1428528	10.0	11.1	
105 Bis(2-ethylhexyl) phthalate	149	11.205	11.212	-0.007	85	939354	10.0	11.6	
106 Di-n-octyl phthalate	149	12.019	12.028	-0.009	96	1475580	10.0	10.9	
107 Benzo[b]fluoranthene	252	12.442	12.446	-0.004	99	1405593	10.0	11.0	
108 Benzo[k]fluoranthene	252	12.478	12.485	-0.007	99	1427161	10.0	10.9	
109 Benzo[a]pyrene	252	12.875	12.881	-0.006	97	1295758	10.0	11.6	
* 110 Perylene-d12	264	12.952	12.958	-0.006	99	829833	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.449	14.457	-0.008	99	1284552	10.0	11.1	
112 Dibenz(a,h)anthracene	278	14.497	14.505	-0.008	95	1375701	10.0	10.8	
113 Benzo[g,h,i]perylene	276	14.851	14.860	-0.009	98	1360477	10.0	10.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SV_ICV_ LVI_00010 Amount Added: 1.00 Units: mL

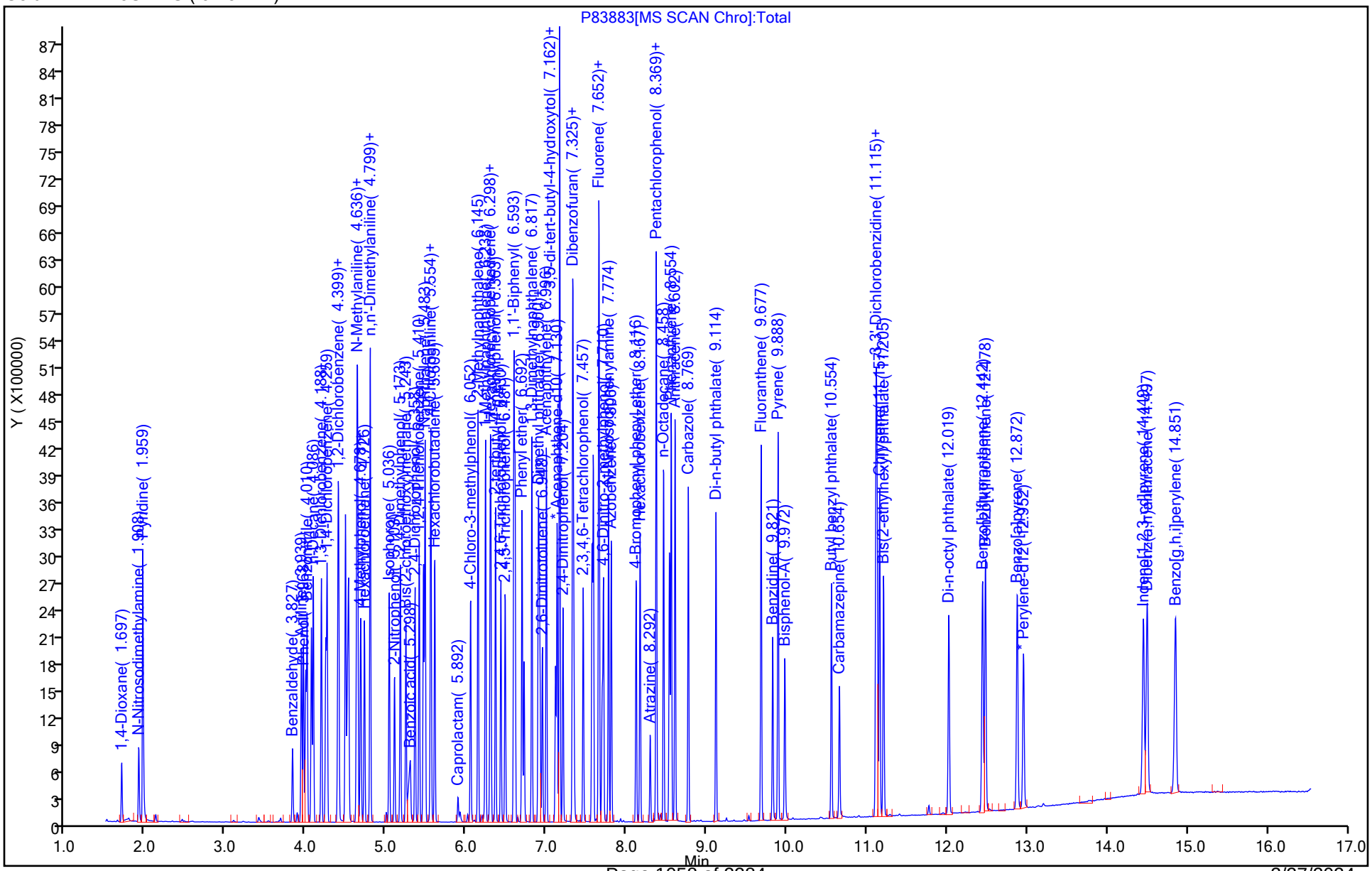
Report Date: 05-Mar-2024 07:38:48 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D

Injection Date:	04-Mar-2024 17:44:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

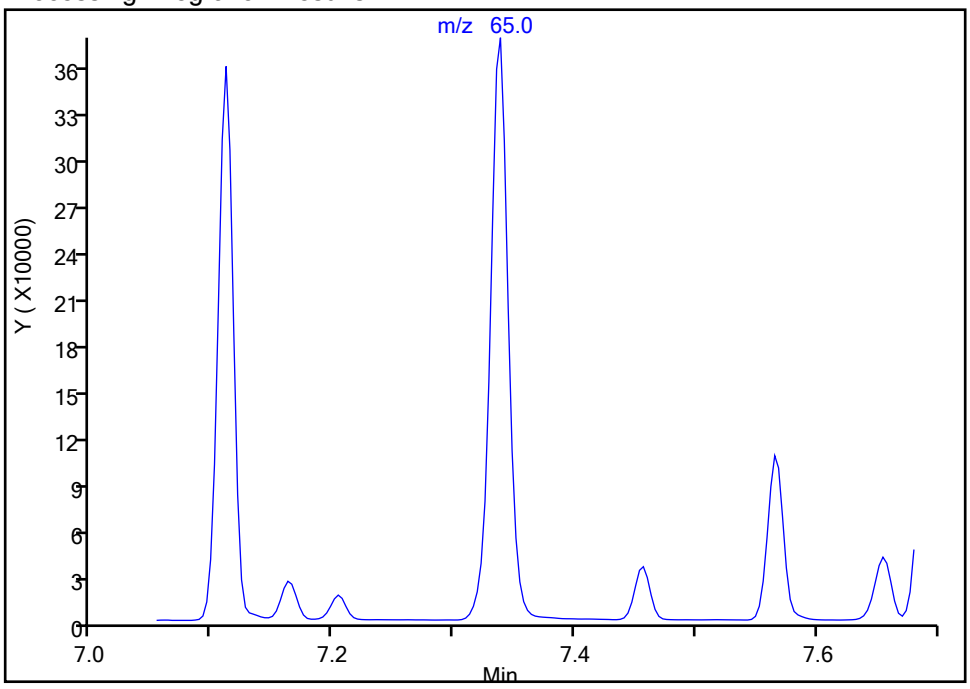
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83883.D
Injection Date: 04-Mar-2024 17:44:30 Instrument ID: CBNAMS18
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 13 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

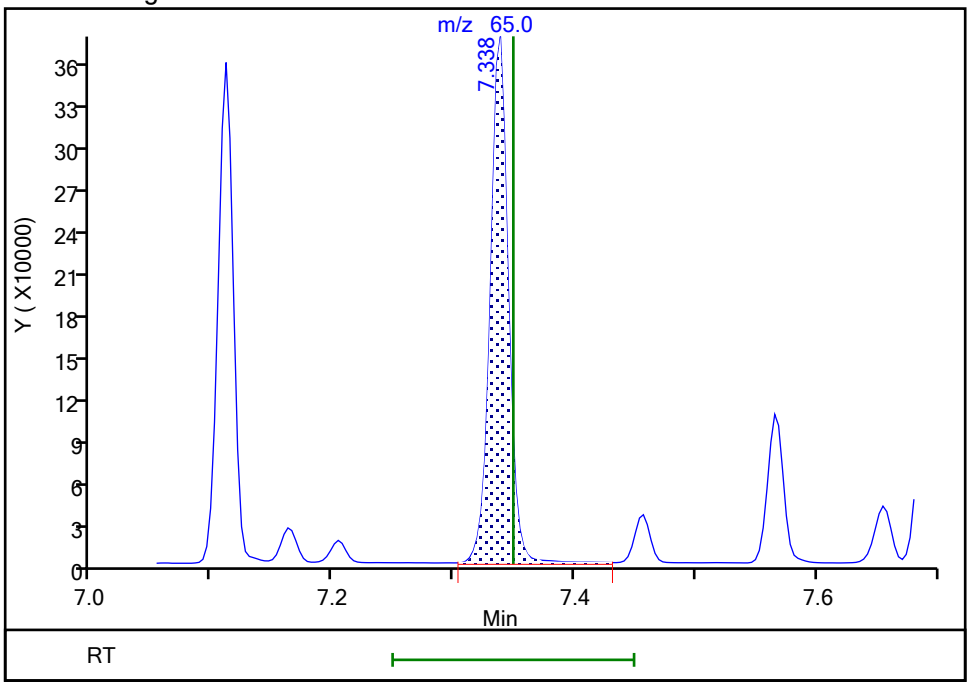
Not Detected
Expected RT: 7.35

Processing Integration Results



Manual Integration Results

RT: 7.34
Area: 392266
Amount: 21.361462
Amount Units: ug/ml



Reviewer: G4KC, 05-Mar-2024 06:31:52 -05:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5138		9300	10000	-7.0	20.0
N-Nitrosodimethylamine	Ave	0.8383	0.7722		9210	10000	-7.9	20.0
Pyridine	Ave	1.297	1.087		16800	20000	-16.2	20.0
Benzaldehyde	Ave	0.9786	0.3625	0.0100	1480	4000	-63.0*	20.0
Aniline	Ave	1.835	1.925		10500	10000	4.9	20.0
Phenol	Ave	1.744	1.694	0.8000	9720	10000	-2.8	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.193	0.7000	8850	10000	-11.5	20.0
2-Chlorophenol	Ave	1.419	1.281	0.8000	9030	10000	-9.7	20.0
n-Decane	Ave	1.148	1.069		9310	10000	-6.9	20.0
1,3-Dichlorobenzene	Ave	1.617	1.496		9260	10000	-7.4	20.0
1,4-Dichlorobenzene	Ave	1.648	1.541		9350	10000	-6.5	20.0
Benzyl alcohol	Ave	0.9039	0.8111		8970	10000	-10.3	20.0
1,2-Dichlorobenzene	Ave	1.563	1.471	0.0100	9410	10000	-5.9	20.0
2-Methylphenol	Ave	1.252	1.172	0.7000	9370	10000	-6.3	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.311	0.0100	9130	10000	-8.7	20.0
N-Methylaniline	Ave	1.988	2.128		10700	10000	7.0	20.0
Acetophenone	Ave	1.953	1.922	0.0100	9840	10000	-1.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.8458	0.5000	9610	10000	-3.9	20.0
3 & 4 Methylphenol	Ave	1.340	1.181		8810	10000	-11.9	20.0
4-Methylphenol	Ave	1.340	1.169	0.6000	8730	10000	-12.7	20.0
Hexachloroethane	Ave	0.5615	0.5690	0.3000	10100	10000	1.3	20.0
n,n'-Dimethylaniline	Ave	2.174	2.170		9980	10000	-0.2	20.0
Nitrobenzene	Ave	0.6991	0.6961	0.2000	9960	10000	-0.4	20.0
Isophorone	Ave	0.5969	0.5633	0.4000	9440	10000	-5.6	20.0
2-Nitrophenol	Ave	0.1930	0.1866	0.1000	9670	10000	-3.3	20.0
2,4-Dimethylphenol	Ave	0.2954	0.3019	0.2000	10200	10000	2.2	20.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.3844	0.3000	9250	10000	-7.5	20.0
Benzoic acid	Ave	0.1909	0.1644		8610	10000	-13.9	20.0
2,4-Dichlorophenol	Ave	0.2977	0.2870	0.2000	9640	10000	-3.6	20.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3276		9720	10000	-2.8	20.0
Naphthalene	Ave	1.094	1.062	0.7000	9710	10000	-2.9	20.0
4-Chloroaniline	Ave	0.3970	0.4220	0.0100	10600	10000	6.3	20.0
Hexachlorobutadiene	Ave	0.1859	0.1824	0.0100	9810	10000	-1.9	20.0
Caprolactam	Lin2		0.0697	0.0100	3640	4000	-8.9	20.0
4-Chloro-3-methylphenol	Ave	0.2809	0.2621	0.2000	9330	10000	-6.7	20.0
2-Methylnaphthalene	Ave	0.7045	0.6800	0.4000	9650	10000	-3.5	20.0
1-Methylnaphthalene	Ave	0.6603	0.6358		9630	10000	-3.7	20.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4593	0.0500	10900	10000	9.3	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6156	0.0100	9810	10000	-1.9	20.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4080		10100	10000	1.4	20.0
2,4,6-Trichlorophenol	Ave	0.3890	0.3854	0.2000	9910	10000	-0.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.3974	0.2000	9280	10000	-7.2	20.0
1,1'-Biphenyl	Ave	1.655	1.616	0.0100	9770	10000	-2.3	20.0
2-Chloronaphthalene	Ave	1.284	1.232	0.8000	9590	10000	-4.1	20.0
Phenyl ether	Ave	0.8723	0.8605		9860	10000	-1.4	20.0
2-Nitroaniline	Ave	0.2901	0.2940	0.0100	10100	10000	1.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9800		9980	10000	-0.2	20.0
Dimethyl phthalate	Ave	1.350	1.269	0.0100	9400	10000	-6.0	20.0
Coumarin	Ave	0.2266	0.2228		9830	10000	-1.7	20.0
2,6-Dinitrotoluene	Ave	0.2845	0.2789	0.2000	9800	10000	-2.0	20.0
Acenaphthylene	Ave	2.000	1.804	0.9000	9020	10000	-9.8	20.0
3-Nitroaniline	Ave	0.3130	0.2976	0.0100	9510	10000	-4.9	20.0
Acenaphthene	Ave	1.194	1.196	0.9000	10000	10000	0.2	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.132		10300	10000	3.1	20.0
2,4-Dinitrophenol	Ave	0.1813	0.1719	0.0100	19000	20000	-5.2	20.0
4-Nitrophenol	Ave	0.2051	0.2095	0.0100	20400	20000	2.2	20.0
2,4-Dinitrotoluene	Ave	0.3557	0.3958	0.2000	11100	10000	11.3	20.0
Dibenzofuran	Ave	1.788	1.758	0.8000	9830	10000	-1.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3218	0.0100	9450	10000	-5.5	20.0
Diethyl phthalate	Ave	1.311	1.216	0.0100	9280	10000	-7.2	20.0
Fluorene	Ave	1.412	1.392	0.9000	9850	10000	-1.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.6518	0.4000	9460	10000	-5.4	20.0
4-Nitroaniline	Ave	0.2811	0.2734	0.0100	9730	10000	-2.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1317	0.0100	19900	20000	-0.5	20.0
N-Nitrosodiphenylamine	Ave	0.5641	0.5251	0.0100	9310	10000	-6.9	20.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7159		9760	10000	-2.4	20.0
Azobenzene	Ave	0.7335	0.7159		9760	10000	-2.4	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2165	0.1000	9260	10000	-7.4	20.0
Hexachlorobenzene	Ave	0.2853	0.2605	0.1000	9130	10000	-8.7	20.0
Atrazine	Ave	0.1718	0.1751	0.0100	4080	4000	1.9	20.0
Pentachlorophenol	Ave	0.1629	0.1615	0.0500	19800	20000	-0.8	20.0
Pentachloronitrobenzene	Ave	0.0895	0.0927	0.0100	10400	10000	3.6	20.0
n-Octadecane	Ave	0.4575	0.4219		9220	10000	-7.8	20.0
Phenanthrene	Ave	1.096	1.052	0.7000	9600	10000	-4.0	20.0
Anthracene	Ave	1.105	1.085	0.7000	9820	10000	-1.8	20.0
Carbazole	Ave	0.9530	0.9369	0.0100	9830	10000	-1.7	20.0
Di-n-butyl phthalate	Ave	1.115	1.135	0.0100	10200	10000	1.8	20.0
Fluoranthene	Ave	1.043	1.072	0.6000	10300	10000	2.8	20.0
Benzidine	Ave	0.4790	0.3780		7890	10000	-21.1*	20.0
Pyrene	Ave	1.542	1.378	0.6000	8940	10000	-10.6	20.0
Bisphenol-A	Ave	0.5574	0.4395		7880	10000	-21.2*	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965372/2 | Calibration Date: 03/22/2024 06:07

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84251.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.5427	0.0100	9380	10000	-6.2	20.0
2,3,7,8-TCDD	Ave	0.2407	0.1961		81.4	100	-18.6	20.0
Carbamazepine	Lin1		0.3836		8530	10000	-14.7	20.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.4505	0.0100	9700	10000	-3.0	20.0
Benzo[a]anthracene	Ave	1.305	1.230	0.8000	9420	10000	-5.8	20.0
Chrysene	Ave	1.218	1.077	0.7000	8840	10000	-11.6	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8042	0.0100	10500	10000	4.6	20.0
Di-n-octyl phthalate	Ave	1.300	1.346	0.0100	10300	10000	3.5	20.0
Benzo[b]fluoranthene	Ave	1.230	1.223		9940	10000	-0.6	20.0
Benzo[k]fluoranthene	Ave	1.259	1.263	0.7000	10000	10000	0.3	20.0
Benzo[a]pyrene	Ave	1.076	1.027	0.7000	9550	10000	-4.5	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.052	0.5000	9420	10000	-5.8	20.0
Dibenz(a,h)anthracene	Ave	1.226	1.079	0.4000	8800	10000	-12.0	20.0
Benzo[g,h,i]perylene	Ave	1.243	1.049	0.5000	8450	10000	-15.5	20.0
2-Fluorophenol (Surr)	Ave	1.277	1.246		9760	10000	-2.4	20.0
Phenol-d5 (Surr)	Ave	1.517	1.481		9760	10000	-2.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3240	0.3381		10400	10000	4.4	20.0
2-Fluorobiphenyl	Ave	1.476	1.499		10200	10000	1.5	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2517	0.2507		9960	10000	-0.4	20.0
Terphenyl-d14 (Surr)	Ave	1.218	1.123		9220	10000	-7.8	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84251.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 06:07:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 08:41:21 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 08:41:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.627	1.627	0.000	92	184886	10.0	9.30	
2 N-Nitrosodimethylamine	74	1.831	1.831	0.000	89	277866	10.0	9.21	
3 Pyridine	79	1.857	1.857	0.000	95	782513	20.0	16.8	
$ 4 2-Fluorophenol	112	2.914	2.914	0.000	96	448392	10.0	9.76	
5 Benzaldehyde	77	3.715	3.715	0.000	94	52179	4.00	1.48	
$ 6 Phenol-d5	99	3.811	3.811	0.000	99	532858	10.0	9.76	
8 Aniline	93	3.824	3.824	0.000	92	692574	10.0	10.5	
7 Phenol	94	3.824	3.824	0.000	90	609534	10.0	9.72	
9 Bis(2-chloroethyl)ether	93	3.884	3.884	0.000	99	429376	10.0	8.85	
10 Benzonitrile	103	3.900	3.900	0.000	98	851693	NC	NC	
11 2-Chlorophenol	128	3.942	3.942	0.000	97	460860	10.0	9.03	
12 n-Decane	43	3.984	3.984	0.000	87	384558	10.0	9.31	
13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	96	538422	10.0	9.26	
* 14 1,4-Dichlorobenzene-d4	152	4.137	4.137	0.000	95	287860	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.153	4.153	0.000	95	554412	10.0	9.35	
17 Benzyl alcohol	108	4.277	4.277	0.000	95	291855	10.0	8.97	
18 1,2-Dichlorobenzene	146	4.297	4.297	0.000	97	529196	10.0	9.41	
20 2-Methylphenol	108	4.402	4.402	0.000	89	421876	10.0	9.37	
21 2,2'-oxybis[1-chloropropane]	45	4.405	4.405	0.000	92	471743	10.0	9.13	
22 N-Methylaniline	106	4.520	4.520	0.000	97	765650	10.0	10.7	
23 Acetophenone	105	4.530	4.530	0.000	91	691627	10.0	9.84	
24 N-Nitrosodi-n-propylamine	70	4.530	4.530	0.000	87	304326	10.0	9.61	
26 4-Methylphenol	108	4.552	4.552	0.000	98	420677	10.0	8.73	
25 3 & 4 Methylphenol	108	4.552	4.552	0.000	62	424893	10.0	8.81	
27 Hexachloroethane	117	4.620	4.620	0.000	94	204753	10.0	10.1	
$ 28 Nitrobenzene-d5	82	4.671	4.671	0.000	87	466706	10.0	10.4	
29 Nitrobenzene	123	4.693	4.693	0.000	84	250476	10.0	9.96	
30 n,n'-Dimethylaniline	120	4.693	4.693	0.000	87	780979	10.0	9.98	
31 Isophorone	82	4.920	4.920	0.000	99	777534	10.0	9.44	
32 2-Nitrophenol	139	4.997	4.997	0.000	95	257549	10.0	9.67	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	92	416718	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.137	5.137	0.000	98	530535	10.0	9.25	
35 Benzoic acid	122	5.166	5.166	0.000	90	226885	10.0	8.61	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	396195	10.0	9.64	
37 1,2,4-Trichlorobenzene	180	5.307	5.307	0.000	94	452156	10.0	9.72	
* 38 Naphthalene-d8	136	5.358	5.358	0.000	99	1104197	8.00	8.00	
39 Naphthalene	128	5.377	5.377	0.000	99	1465626	10.0	9.71	
40 4-Chloroaniline	127	5.444	5.444	0.000	98	582508	10.0	10.6	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	98	407767	10.0	9.89	
42 Hexachlorobutadiene	225	5.502	5.502	0.000	96	251716	10.0	9.81	
44 Caprolactam	113	5.760	5.760	0.000	93	38489	4.00	3.64	
45 4-Chloro-3-methylphenol	107	5.930	5.930	0.000	96	361728	10.0	9.33	
46 2-Methylnaphthalene	142	6.042	6.042	0.000	84	938505	10.0	9.65	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	95	877505	10.0	9.63	
48 Hexachlorocyclopentadiene	237	6.192	6.192	0.000	97	336635	10.0	10.9	
49 1,2,4,5-Tetrachlorobenzene	216	6.202	6.202	0.000	98	451182	10.0	9.81	
50 2-tertbutyl-4-methylphenol	149	6.256	6.256	0.000	91	563101	10.0	10.1	
51 2,4,6-Trichlorophenol	196	6.320	6.320	0.000	91	282471	10.0	9.91	
52 2,4,5-Trichlorophenol	196	6.362	6.362	0.000	98	291262	10.0	9.28	
$ 53 2-Fluorobiphenyl	172	6.397	6.397	0.000	97	1098296	10.0	10.2	
54 1,1'-Biphenyl	154	6.490	6.490	0.000	95	1184597	10.0	9.77	
55 2-Chloronaphthalene	162	6.502	6.502	0.000	98	902679	10.0	9.59	
56 Phenyl ether	170	6.592	6.592	0.000	84	630604	10.0	9.86	
57 2-Nitroaniline	65	6.611	6.611	0.000	93	215493	10.0	10.1	
58 1,3-Dimethylnaphthalene	156	6.713	6.713	0.000	91	718187	10.0	9.98	
59 Dimethyl phthalate	163	6.793	6.793	0.000	99	929997	10.0	9.40	
60 Coumarin	146	6.800	6.800	0.000	82	307496	10.0	9.83	
61 2,6-Dinitrotoluene	165	6.845	6.845	0.000	96	204365	10.0	9.80	
62 Acenaphthylene	152	6.893	6.893	0.000	97	1322430	10.0	9.02	
63 3-Nitroaniline	138	7.001	7.001	0.000	98	218096	10.0	9.51	
* 64 Acenaphthene-d10	164	7.027	7.027	0.000	95	586294	8.00	8.00	
65 Acenaphthene	154	7.059	7.059	0.000	96	876844	10.0	10.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.065	7.065	0.000	97	829893	10.0	10.3	
67 2,4-Dinitrophenol	184	7.100	7.100	0.000	96	251916	20.0	19.0	
68 4-Nitrophenol	65	7.200	7.200	0.000	90	307091	20.0	20.4	
69 2,4-Dinitrotoluene	165	7.222	7.222	0.000	63	290060	10.0	11.1	
70 Dibenzofuran	168	7.222	7.222	0.000	96	1288463	10.0	9.83	
71 2,3,4,6-Tetrachlorophenol	232	7.350	7.350	0.000	95	235819	10.0	9.45	
72 Diethyl phthalate	149	7.465	7.465	0.000	98	891531	10.0	9.28	
73 Fluorene	166	7.545	7.545	0.000	95	1019892	10.0	9.85	
74 4-Chlorophenyl phenyl ether	204	7.555	7.555	0.000	89	477653	10.0	9.46	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	200338	10.0	9.73	
76 4,6-Dinitro-2-methylphenol	198	7.609	7.609	0.000	88	332959	20.0	19.9	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	663844	10.0	9.31	
78 1,2-Diphenylhydrazine	77	7.705	7.705	0.000	99	905012	10.0	9.76	
131 Azobenzene	77	7.705	7.705	0.000	0	904971	10.0	9.76	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	183741	10.0	9.96	
80 4-Bromophenyl phenyl ether	248	8.015	8.015	0.000	92	273717	10.0	9.26	
82 Hexachlorobenzene	284	8.063	8.063	0.000	96	329371	10.0	9.13	
83 Atrazine	200	8.185	8.185	0.000	95	88553	4.00	4.08	
84 Pentachlorophenol	266	8.261	8.261	0.000	95	408443	20.0	19.8	
85 Pentachloronitrobenzene	237	8.268	8.268	0.000	90	117247	10.0	10.4	
87 n-Octadecane	57	8.364	8.364	0.000	91	533303	10.0	9.22	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.428	8.428	0.000	98	1011315	8.00	8.00	
89 Phenanthrene	178	8.450	8.450	0.000	97	1329833	10.0	9.60	
90 Anthracene	178	8.498	8.498	0.000	99	1371045	10.0	9.82	
91 Carbazole	167	8.661	8.661	0.000	96	1184348	10.0	9.83	
92 Di-n-butyl phthalate	149	9.013	9.013	0.000	99	1434699	10.0	10.2	
93 Fluoranthene	202	9.572	9.572	0.000	98	1354850	10.0	10.3	
94 Benzidine	184	9.716	9.716	0.000	99	477831	10.0	7.89	
95 Pyrene	202	9.783	9.783	0.000	97	1377281	10.0	8.94	
96 Bisphenol-A	213	9.863	9.863	0.000	98	439162	10.0	7.88	
$ 97 Terphenyl-d14	244	9.949	9.949	0.000	97	1121885	10.0	9.22	
98 Butyl benzyl phthalate	149	10.445	10.445	0.000	97	542265	10.0	9.38	
99 2,3,7,8-TCDD	320	10.512	10.512	0.000	91	1959	0.1000	0.0814	
100 Carbamazepine	193	10.534	10.534	0.000	92	383339	10.0	8.53	
101 3,3'-Dichlorobenzidine	252	10.985	10.985	0.000	99	450148	10.0	9.70	
102 Benzo[a]anthracene	228	10.991	10.991	0.000	99	1228693	10.0	9.42	
* 103 Chrysene-d12	240	11.001	11.001	0.000	99	799384	8.00	8.00	
104 Chrysene	228	11.030	11.030	0.000	98	1075747	10.0	8.84	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	85	803544	10.0	10.5	
106 Di-n-octyl phthalate	149	11.874	11.874	0.000	96	1220795	10.0	10.3	
107 Benzo[b]fluoranthene	252	12.283	12.283	0.000	98	1109286	10.0	9.94	
108 Benzo[k]fluoranthene	252	12.322	12.322	0.000	99	1145690	10.0	10.0	
109 Benzo[a]pyrene	252	12.705	12.705	0.000	97	931869	10.0	9.55	
* 110 Perylene-d12	264	12.782	12.782	0.000	99	725843	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.246	14.246	0.000	99	954641	10.0	9.42	
112 Dibenz(a,h)anthracene	278	14.291	14.291	0.000	99	978774	10.0	8.80	
113 Benzo[g,h,i]perylene	276	14.627	14.627	0.000	98	952174	10.0	8.45	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

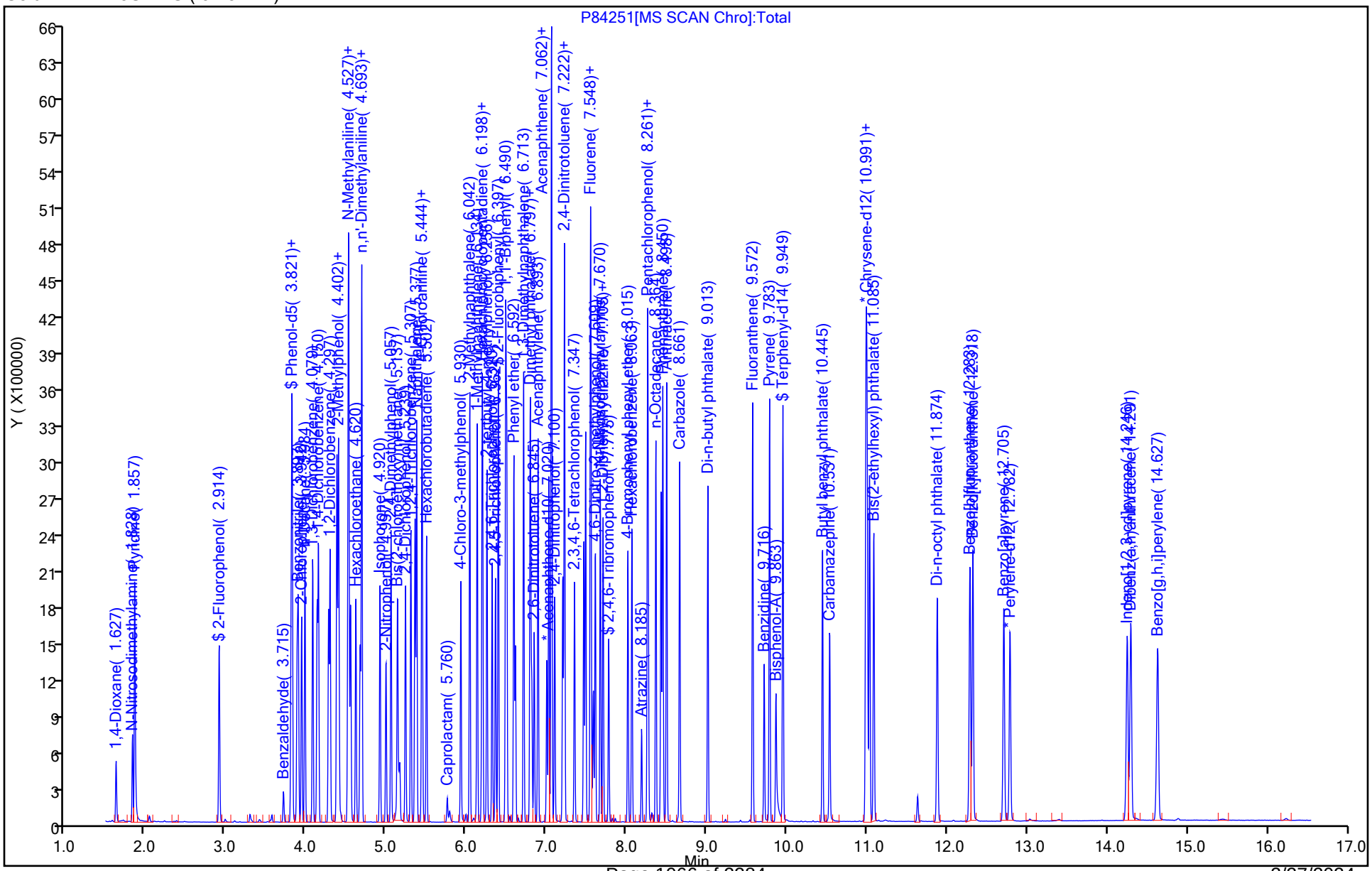
Report Date: 22-Mar-2024 08:41:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84251.D

Injection Date:	22-Mar-2024 06:07:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 | Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5527	0.5113		9250	10000	-7.5	20.0
N-Nitrosodimethylamine	Ave	0.8383	0.7812		9320	10000	-6.8	20.0
Pyridine	Ave	1.297	1.054		16300	20000	-18.7	20.0
Benzaldehyde	Ave	0.9786	0.3876	0.0100	1580	4000	-60.4*	20.0
Aniline	Ave	1.835	2.004		10900	10000	9.2	20.0
Phenol	Ave	1.744	1.756	0.8000	10100	10000	0.7	20.0
Bis(2-chloroethyl)ether	Ave	1.349	1.253	0.7000	9290	10000	-7.1	20.0
2-Chlorophenol	Ave	1.419	1.330	0.8000	9380	10000	-6.2	20.0
n-Decane	Ave	1.148	1.080		9400	10000	-6.0	20.0
1,3-Dichlorobenzene	Ave	1.617	1.520		9400	10000	-6.0	20.0
1,4-Dichlorobenzene	Ave	1.648	1.561		9470	10000	-5.3	20.0
Benzyl alcohol	Ave	0.9039	0.8661		9580	10000	-4.2	20.0
1,2-Dichlorobenzene	Ave	1.563	1.495	0.0100	9570	10000	-4.3	20.0
2-Methylphenol	Ave	1.252	1.232	0.7000	9840	10000	-1.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.436	1.363	0.0100	9490	10000	-5.1	20.0
N-Methylaniline	Ave	1.988	2.206		11100	10000	10.9	20.0
Acetophenone	Ave	1.953	2.007	0.0100	10300	10000	2.8	20.0
N-Nitrosodi-n-propylamine	Ave	0.8800	0.9196	0.5000	10500	10000	4.5	20.0
3 & 4 Methylphenol	Ave	1.340	1.244		9280	10000	-7.2	20.0
4-Methylphenol	Ave	1.340	1.242	0.6000	9270	10000	-7.3	20.0
Hexachloroethane	Ave	0.5615	0.5857	0.3000	10400	10000	4.3	20.0
n,n'-Dimethylaniline	Ave	2.174	2.294		10600	10000	5.5	20.0
Nitrobenzene	Ave	0.6991	0.7328	0.2000	10500	10000	4.8	20.0
Isophorone	Ave	0.5969	0.6001	0.4000	10100	10000	0.5	20.0
2-Nitrophenol	Ave	0.1930	0.1885	0.1000	9770	10000	-2.3	20.0
2,4-Dimethylphenol	Ave	0.2954	0.3028	0.2000	10200	10000	2.5	20.0
Bis(2-chloroethoxy)methane	Ave	0.4153	0.3968	0.3000	9550	10000	-4.5	20.0
Benzoic acid	Ave	0.1909	0.1662		8710	10000	-12.9	20.0
2,4-Dichlorophenol	Ave	0.2977	0.2892	0.2000	9710	10000	-2.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3371	0.3228		9570	10000	-4.3	20.0
Naphthalene	Ave	1.094	1.080	0.7000	9870	10000	-1.3	20.0
4-Chloroaniline	Ave	0.3970	0.4353	0.0100	11000	10000	9.6	20.0
Hexachlorobutadiene	Ave	0.1859	0.1789	0.0100	9620	10000	-3.8	20.0
Caprolactam	Lin2		0.0779	0.0100	4060	4000	1.5	20.0
4-Chloro-3-methylphenol	Ave	0.2809	0.2722	0.2000	9690	10000	-3.1	20.0
2-Methylnaphthalene	Ave	0.7045	0.6985	0.4000	9910	10000	-0.9	20.0
1-Methylnaphthalene	Ave	0.6603	0.6470		9800	10000	-2.0	20.0
Hexachlorocyclopentadiene	Ave	0.4203	0.4392	0.0500	10500	10000	4.5	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6276	0.6063	0.0100	9660	10000	-3.4	20.0
2-tertbutyl-4-methylphenol	Ave	0.4025	0.4278		10600	10000	6.3	20.0
2,4,6-Trichlorophenol	Ave	0.3890	0.3838	0.2000	9870	10000	-1.3	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4281	0.3987	0.2000	9310	10000	-6.9	20.0
1,1'-Biphenyl	Ave	1.655	1.618	0.0100	9780	10000	-2.2	20.0
2-Chloronaphthalene	Ave	1.284	1.232	0.8000	9590	10000	-4.1	20.0
Phenyl ether	Ave	0.8723	0.8593		9850	10000	-1.5	20.0
2-Nitroaniline	Ave	0.2901	0.3172	0.0100	10900	10000	9.4	20.0
1,3-Dimethylnaphthalene	Ave	0.9823	0.9824		10000	10000	0.0	20.0
Dimethyl phthalate	Ave	1.350	1.315	0.0100	9740	10000	-2.6	20.0
Coumarin	Ave	0.2266	0.2354		10400	10000	3.9	20.0
2,6-Dinitrotoluene	Ave	0.2845	0.2908	0.2000	10200	10000	2.2	20.0
Acenaphthylene	Ave	2.000	1.841	0.9000	9210	10000	-7.9	20.0
3-Nitroaniline	Ave	0.3130	0.3205	0.0100	10200	10000	2.4	20.0
Acenaphthene	Ave	1.194	1.221	0.9000	10200	10000	2.3	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.099	1.152		10500	10000	4.9	20.0
2,4-Dinitrophenol	Ave	0.1813	0.1566	0.0100	17300	20000	-13.6	20.0
4-Nitrophenol	Ave	0.2051	0.2215	0.0100	21600	20000	8.0	20.0
2,4-Dinitrotoluene	Ave	0.3557	0.4075	0.2000	11500	10000	14.6	20.0
Dibenzofuran	Ave	1.788	1.780	0.8000	9950	10000	-0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3406	0.3283	0.0100	9640	10000	-3.6	20.0
Diethyl phthalate	Ave	1.311	1.258	0.0100	9600	10000	-4.0	20.0
Fluorene	Ave	1.412	1.399	0.9000	9910	10000	-0.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.6887	0.6646	0.4000	9650	10000	-3.5	20.0
4-Nitroaniline	Ave	0.2811	0.2922	0.0100	10400	10000	4.0	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1323	0.1291	0.0100	19500	20000	-2.5	20.0
N-Nitrosodiphenylamine	Ave	0.5641	0.5388	0.0100	9550	10000	-4.5	20.0
1,2-Diphenylhydrazine	Ave	0.7334	0.7380		10100	10000	0.6	20.0
Azobenzene	Ave	0.7335	0.7381		10100	10000	0.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2338	0.2151	0.1000	9200	10000	-8.0	20.0
Hexachlorobenzene	Ave	0.2853	0.2603	0.1000	9120	10000	-8.8	20.0
Atrazine	Ave	0.1718	0.1842	0.0100	4290	4000	7.2	20.0
Pentachlorophenol	Ave	0.1629	0.1627	0.0500	20000	20000	-0.1	20.0
Pentachloronitrobenzene	Ave	0.0895	0.0959	0.0100	10700	10000	7.1	20.0
n-Octadecane	Ave	0.4575	0.4323		9450	10000	-5.5	20.0
Phenanthrene	Ave	1.096	1.072	0.7000	9780	10000	-2.2	20.0
Anthracene	Ave	1.105	1.099	0.7000	9940	10000	-0.6	20.0
Carbazole	Ave	0.9530	0.9522	0.0100	9990	10000	-0.0	20.0
Di-n-butyl phthalate	Ave	1.115	1.200	0.0100	10800	10000	7.6	20.0
Fluoranthene	Ave	1.043	1.071	0.6000	10300	10000	2.7	20.0
Benzidine	Ave	0.4790	0.4187		8740	10000	-12.6	20.0
Pyrene	Ave	1.542	1.461	0.6000	9480	10000	-5.2	20.0
Bisphenol-A	Ave	0.5574	0.5323		9550	10000	-4.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965547/2 | Calibration Date: 03/22/2024 22:34

Instrument ID: CBNAMS18 | Calib Start Date: 03/04/2024 11:22

GC Column: Rtxi-5Sil MS ID: 0.25(mm) | Calib End Date: 03/04/2024 17:02

Lab File ID: P84288.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.5787	0.6063	0.0100	10500	10000	4.8	20.0
2,3,7,8-TCDD	Ave	0.2407	0.2060		85.6	100	-14.4	20.0
Carbamazepine	Lin1		0.4259		9390	10000	-6.1	20.0
3,3'-Dichlorobenzidine	Ave	0.4646	0.4704	0.0100	10100	10000	1.2	20.0
Benzo[a]anthracene	Ave	1.305	1.247	0.8000	9560	10000	-4.4	20.0
Chrysene	Ave	1.218	1.106	0.7000	9080	10000	-9.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.7690	0.8677	0.0100	11300	10000	12.8	20.0
Di-n-octyl phthalate	Ave	1.300	1.505	0.0100	11600	10000	15.7	20.0
Benzo[b]fluoranthene	Ave	1.230	1.170		9510	10000	-4.9	20.0
Benzo[k]fluoranthene	Ave	1.259	1.189	0.7000	9450	10000	-5.5	20.0
Benzo[a]pyrene	Ave	1.076	1.040	0.7000	9670	10000	-3.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.117	1.097	0.5000	9830	10000	-1.7	20.0
Dibenz(a,h)anthracene	Ave	1.226	1.101	0.4000	8980	10000	-10.2	20.0
Benzo[g,h,i]perylene	Ave	1.243	1.130	0.5000	9100	10000	-9.0	20.0
2-Fluorophenol (Surr)	Ave	1.277	1.264		9890	10000	-1.1	20.0
Phenol-d5 (Surr)	Ave	1.517	1.564		10300	10000	3.1	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3240	0.3444		10600	10000	6.3	20.0
2-Fluorobiphenyl	Ave	1.476	1.506		10200	10000	2.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2517	0.2570		10200	10000	2.1	20.0
Terphenyl-d14 (Surr)	Ave	1.218	1.164		9550	10000	-4.5	20.0

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 22:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-002
Operator ID: Instrument ID: CBNAMS18
Sublist: chrom-8270LVI_18*sub37

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 22:57:29

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.614	1.614	0.000	93	179152	10.0	9.25	
	2 N-Nitrosodimethylamine	74	1.822	1.822	0.000	89	273684	10.0	9.32	
	3 Pyridine	79	1.847	1.847	0.000	95	738503	20.0	16.3	
$	4 2-Fluorophenol	112	2.907	2.907	0.000	96	442776	10.0	9.89	
	5 Benzaldehyde	77	3.715	3.715	0.000	95	54318	4.00	1.58	
$	6 Phenol-d5	99	3.811	3.811	0.000	99	547992	10.0	10.3	
	8 Aniline	93	3.820	3.820	0.000	86	702058	10.0	10.9	
	7 Phenol	94	3.823	3.823	0.000	89	615291	10.0	10.1	
	9 Bis(2-chloroethyl)ether	93	3.884	3.884	0.000	99	439015	10.0	9.29	
	10 Benzonitrile	103	3.897	3.897	0.000	98	869733	NC	NC	
	11 2-Chlorophenol	128	3.942	3.942	0.000	97	466042	10.0	9.38	
	12 n-Decane	43	3.980	3.980	0.000	87	378263	10.0	9.40	
	13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	96	532657	10.0	9.40	
*	14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	280285	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	95	546739	10.0	9.47	
	17 Benzyl alcohol	108	4.277	4.277	0.000	94	303447	10.0	9.58	
	18 1,2-Dichlorobenzene	146	4.296	4.296	0.000	97	523896	10.0	9.57	
	20 2-Methylphenol	108	4.402	4.402	0.000	89	431784	10.0	9.84	
	21 2,2'-oxybis[1-chloropropane]	45	4.405	4.405	0.000	92	477584	10.0	9.49	
	22 N-Methylaniline	106	4.520	4.520	0.000	98	772849	10.0	11.1	
	23 Acetophenone	105	4.530	4.530	0.000	94	703014	10.0	10.3	
	24 N-Nitrosodi-n-propylamine	70	4.533	4.533	0.000	86	322193	10.0	10.5	
	26 4-Methylphenol	108	4.555	4.555	0.000	97	435234	10.0	9.27	
	25 3 & 4 Methylphenol	108	4.555	4.555	0.000	61	435780	10.0	9.28	
	27 Hexachloroethane	117	4.616	4.616	0.000	95	205200	10.0	10.4	
$	28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	480056	10.0	10.6	
	29 Nitrobenzene	123	4.693	4.693	0.000	97	256748	10.0	10.5	
	30 n,n'-Dimethylaniline	120	4.693	4.693	0.000	88	803705	10.0	10.6	
	31 Isophorone	82	4.923	4.923	0.000	99	836360	10.0	10.1	
	32 2-Nitrophenol	139	4.996	4.996	0.000	94	262751	10.0	9.77	
	33 2,4-Dimethylphenol	122	5.060	5.060	0.000	92	421967	10.0	10.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.140	5.140	0.000	98	553028	10.0	9.55	
35 Benzoic acid	122	5.169	5.169	0.000	89	231681	10.0	8.71	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	403029	10.0	9.71	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	449904	10.0	9.57	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1115018	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1504828	10.0	9.87	
40 4-Chloroaniline	127	5.444	5.444	0.000	98	606688	10.0	11.0	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	99	416944	10.0	10.0	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	249281	10.0	9.62	
44 Caprolactam	113	5.766	5.766	0.000	95	43429	4.00	4.06	
45 4-Chloro-3-methylphenol	107	5.932	5.932	0.000	95	379349	10.0	9.69	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	973537	10.0	9.91	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	93	901836	10.0	9.80	
48 Hexachlorocyclopentadiene	237	6.195	6.195	0.000	97	330684	10.0	10.5	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	97	456485	10.0	9.66	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	596240	10.0	10.6	
51 2,4,6-Trichlorophenol	196	6.323	6.323	0.000	91	288962	10.0	9.87	
52 2,4,5-Trichlorophenol	196	6.364	6.364	0.000	97	300214	10.0	9.31	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	1133786	10.0	10.2	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1218039	10.0	9.78	
55 2-Chloronaphthalene	162	6.502	6.502	0.000	98	927482	10.0	9.59	
56 Phenyl ether	170	6.591	6.591	0.000	85	646957	10.0	9.85	
57 2-Nitroaniline	65	6.610	6.610	0.000	92	238838	10.0	10.9	
58 1,3-Dimethylnaphthalene	156	6.713	6.713	0.000	91	739627	10.0	10.0	
59 Dimethyl phthalate	163	6.796	6.796	0.000	99	990338	10.0	9.74	
60 Coumarin	146	6.802	6.802	0.000	80	328107	10.0	10.4	
61 2,6-Dinitrotoluene	165	6.847	6.847	0.000	96	218970	10.0	10.2	
62 Acenaphthylene	152	6.892	6.892	0.000	97	1386272	10.0	9.21	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	241272	10.0	10.2	
* 64 Acenaphthene-d10	164	7.029	7.029	0.000	95	602325	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	96	919538	10.0	10.2	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	867269	10.0	10.5	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	235853	20.0	17.3	
68 4-Nitrophenol	65	7.205	7.205	0.000	91	333479	20.0	21.6	a
69 2,4-Dinitrotoluene	165	7.224	7.224	0.000	63	306820	10.0	11.5	
70 Dibenzofuran	168	7.224	7.224	0.000	98	1339835	10.0	9.95	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	94	247207	10.0	9.64	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	947327	10.0	9.60	
73 Fluorene	166	7.547	7.547	0.000	94	1053446	10.0	9.91	
74 4-Chlorophenyl phenyl ether	204	7.554	7.554	0.000	89	500394	10.0	9.65	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	220004	10.0	10.4	
76 4,6-Dinitro-2-methylphenol	198	7.608	7.608	0.000	87	336203	20.0	19.5	
77 N-Nitrosodiphenylamine	169	7.672	7.672	0.000	98	701719	10.0	9.55	
78 1,2-Diphenylhydrazine	77	7.704	7.704	0.000	100	961193	10.0	10.1	
131 Azobenzene	77	7.704	7.704	0.000	0	961256	10.0	10.1	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	193510	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.014	8.014	0.000	91	280192	10.0	9.20	
82 Hexachlorobenzene	284	8.066	8.066	0.000	97	339070	10.0	9.12	
83 Atrazine	200	8.187	8.187	0.000	94	95938	4.00	4.29	
84 Pentachlorophenol	266	8.261	8.261	0.000	94	423689	20.0	20.0	
85 Pentachloronitrobenzene	237	8.267	8.267	0.000	89	124881	10.0	10.7	
87 n-Octadecane	57	8.363	8.363	0.000	91	562978	10.0	9.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 88 Phenanthrene-d10	188	8.427	8.427	0.000	98	1041920	8.00	8.00	
89 Phenanthrene	178	8.450	8.450	0.000	97	1396003	10.0	9.78	
90 Anthracene	178	8.498	8.498	0.000	99	1430997	10.0	9.94	
91 Carbazole	167	8.661	8.661	0.000	96	1240090	10.0	10.0	
92 Di-n-butyl phthalate	149	9.012	9.012	0.000	99	1562722	10.0	10.8	
93 Fluoranthene	202	9.572	9.572	0.000	98	1394735	10.0	10.3	
94 Benzidine	184	9.715	9.715	0.000	99	545287	10.0	8.74	
95 Pyrene	202	9.783	9.783	0.000	97	1421981	10.0	9.48	
96 Bisphenol-A	213	9.863	9.863	0.000	98	517995	10.0	9.55	
$ 97 Terphenyl-d14	244	9.949	9.949	0.000	97	1132734	10.0	9.55	
98 Butyl benzyl phthalate	149	10.445	10.445	0.000	97	590034	10.0	10.5	
99 2,3,7,8-TCDD	320	10.509	10.509	0.000	92	2005	0.1000	0.0856	
100 Carbamazepine	193	10.534	10.534	0.000	92	414514	10.0	9.39	
101 3,3'-Dichlorobenzidine	252	10.986	10.986	0.000	100	457788	10.0	10.1	
102 Benzo[a]anthracene	228	10.995	10.995	0.000	99	1213891	10.0	9.56	
* 103 Chrysene-d12	240	11.005	11.005	0.000	99	778527	8.00	8.00	
104 Chrysene	228	11.031	11.031	0.000	98	1076608	10.0	9.08	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	86	844366	10.0	11.3	
106 Di-n-octyl phthalate	149	11.875	11.875	0.000	96	1357327	10.0	11.6	
107 Benzo[b]fluoranthene	252	12.285	12.285	0.000	98	1055163	10.0	9.51	
108 Benzo[k]fluoranthene	252	12.320	12.320	0.000	99	1072678	10.0	9.45	
109 Benzo[a]pyrene	252	12.708	12.708	0.000	98	938167	10.0	9.67	
* 110 Perylene-d12	264	12.784	12.784	0.000	98	721470	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.251	14.251	0.000	99	989623	10.0	9.83	
112 Dibenz(a,h)anthracene	278	14.293	14.293	0.000	98	992661	10.0	8.98	
113 Benzo[g,h,i]perylene	276	14.629	14.629	0.000	97	1019304	10.0	9.10	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL7_LVI_00008 Amount Added: 1.00 Units: mL

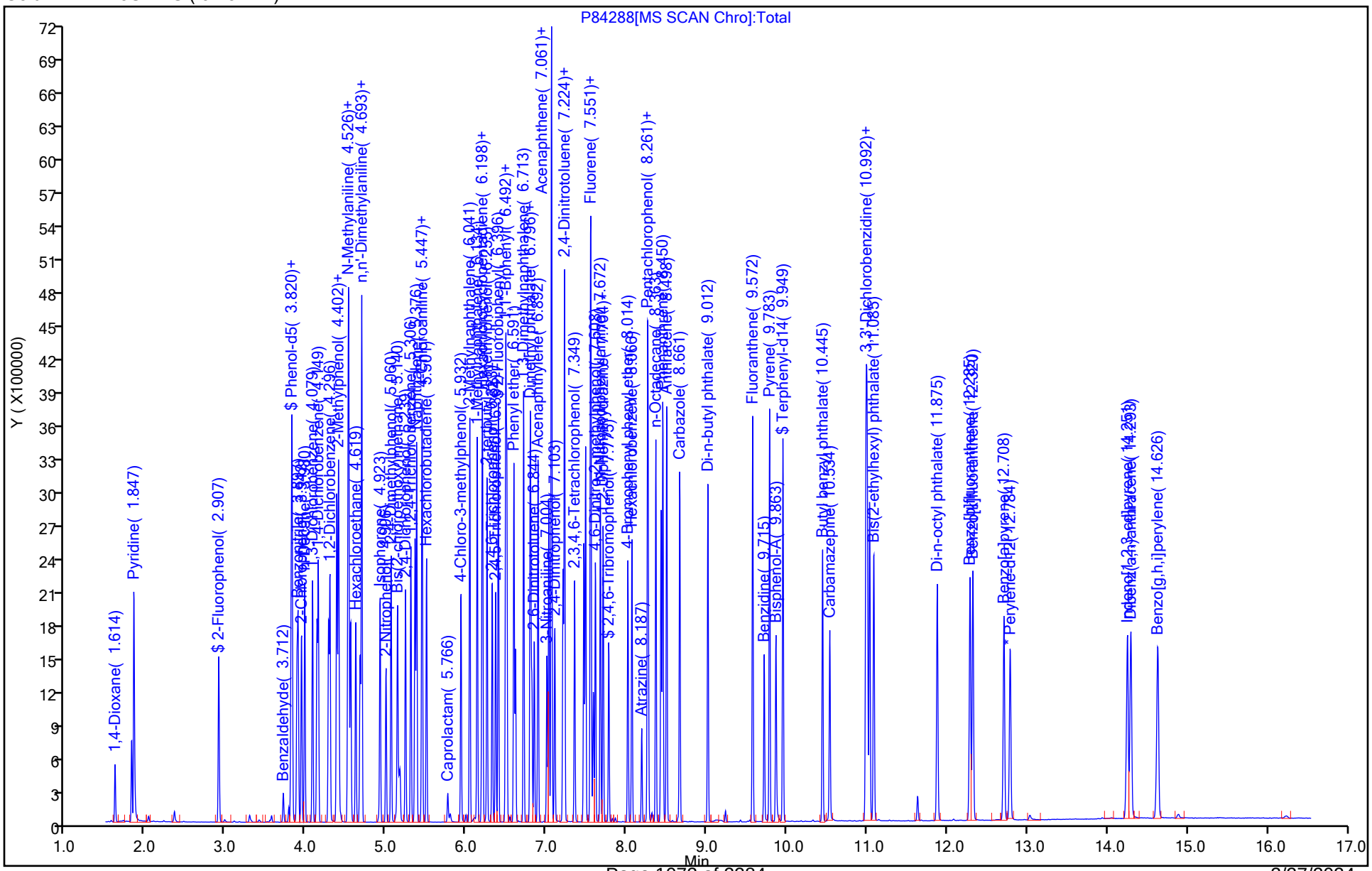
Report Date: 25-Mar-2024 08:13:33 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D

Injection Date:	22-Mar-2024 22:34:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

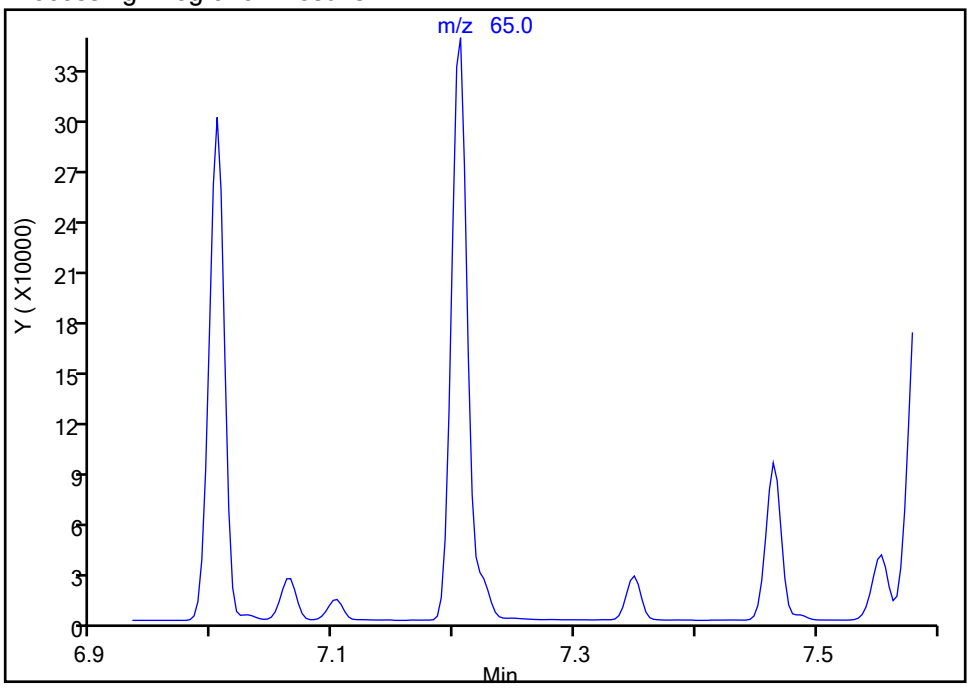
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84288.D
Injection Date: 22-Mar-2024 22:34:30 Instrument ID: CBNAMS18
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

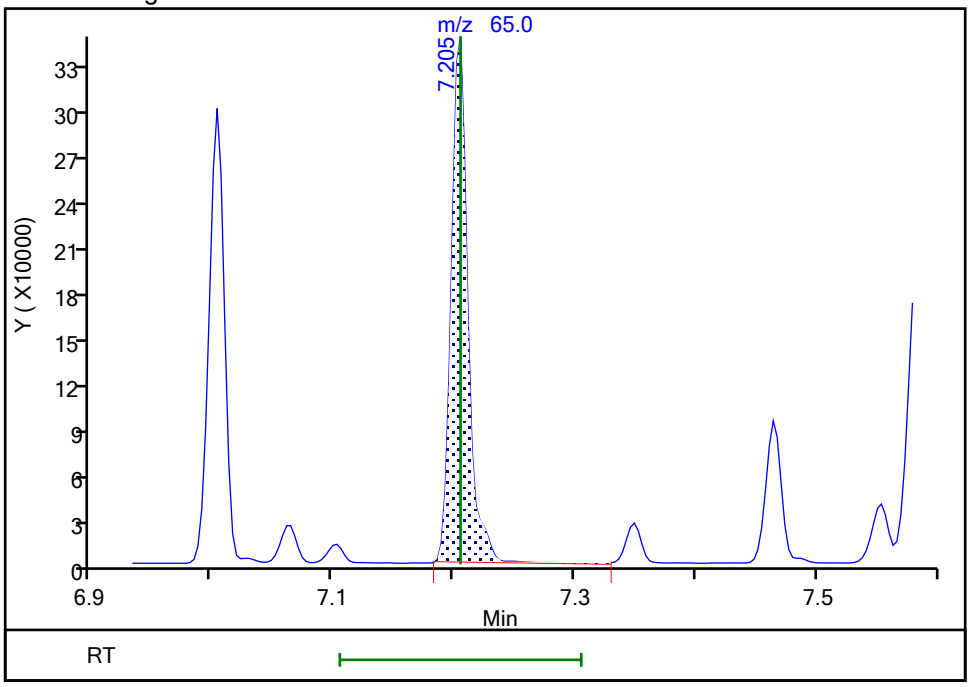
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 333479
Amount: 21.599881
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 22:56:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Mar-2024 10:03:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172971-001
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 04-Mar-2024 17:02:22 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1606

First Level Reviewer: G4KC Date: 04-Mar-2024 17:02:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.530	4.530	0.000	95	345360	NR	NR	
56 Benzidine_T	184	5.770	5.770	0.000	99	1964822	NR	NR	
124 DFTPP									
125 4,4'-DDE	246	6.211	6.211	0.000	60	1017		NR	a
126 4,4'-DDD	235	6.304	6.304	0.000	95	2419		NR	
127 4,4'-DDT	235	6.422	6.422	0.000	99	880214	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

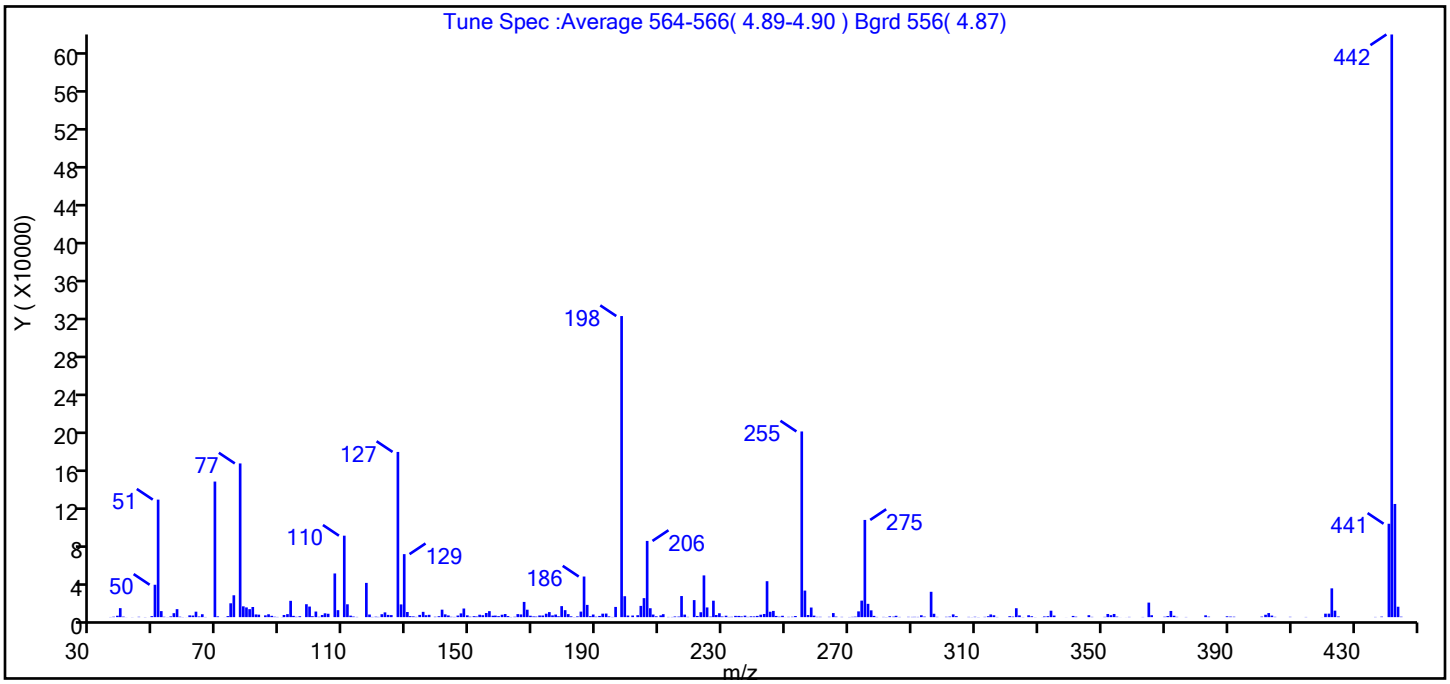
SMDFTP_CH_00036 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d
Injection Date: 04-Mar-2024 10:03:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	45.0
70	<2% of m/z 69	0.3 (0.6)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.9
365	>1% of m/z 198	4.8
441	<150% of m/z 443	31.0 (82.5)
442	Present	193.5
443	15-24% of m/z 442	37.6 (19.4)

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d\8270LVI_14.rslt\spectra.d
Injection Date: 04-Mar-2024 10:03:30
Spectrum: Tune Spec :Average 564-566(4.89-4.90) Bgrd 556(4.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	174	127.00	175552	208.00	2766	297.00	3590
37.00	464	128.00	13531	209.00	886	298.00	309
38.00	1508	129.00	66952	210.00	1865	301.00	373
39.00	9557	130.00	5459	211.00	3153	302.00	574
40.00	564	131.00	1043	213.00	240	303.00	2940
41.00	72	132.00	792	214.00	211	304.00	1046
43.00	108	133.00	292	215.00	698	308.00	277
45.00	373	134.00	2372	216.00	601	309.00	107
47.00	155	135.00	5630	217.00	22424	310.00	397
48.00	18	136.00	2059	218.00	2701	311.00	144
49.00	1058	137.00	2477	219.00	303	313.00	324
50.00	34416	139.00	432	221.00	18104	314.00	980
51.00	124880	140.00	986	222.00	1256	315.00	2883
52.00	6408	141.00	7952	223.00	5224	316.00	1979
53.00	399	142.00	2976	224.00	44352	317.00	214
54.00	107	143.00	1794	225.00	10306	321.00	974
55.00	785	144.00	377	226.00	538	322.00	566
56.00	4217	145.00	244	227.00	17480	323.00	9481
57.00	8508	146.00	1698	228.00	2237	324.00	1843
58.00	449	147.00	4007	229.00	4134	325.00	171
59.00	139	148.00	9173	230.00	687	327.00	1979
60.00	55	149.00	1912	231.00	1521	328.00	935
61.00	1892	150.00	492	232.00	248	329.00	114
62.00	1706	151.00	1019	233.00	373	331.00	67
63.00	5802	152.00	688	234.00	1359	332.00	735
64.00	654	153.00	2572	235.00	1304	333.00	1020
65.00	3087	154.00	2047	236.00	815	334.00	6843
66.00	189	155.00	4394	237.00	1592	335.00	1658
69.00	144064	156.00	6364	238.00	303	339.00	58
70.00	800	157.00	1502	239.00	871	341.00	1298
72.00	56	158.00	1636	240.00	785	342.00	488
73.00	1104	159.00	1047	241.00	1312	346.00	2047
74.00	14728	160.00	2572	242.00	2597	347.00	298

Report Date: 04-Mar-2024 17:02:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d\8270LVI_14.rslt\spectra.d
Injection Date: 04-Mar-2024 10:03:30
Spectrum: Tune Spec :Average 564-566(4.89-4.90) Bgrd 556(4.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	23232	161.00	3307	243.00	3350	351.00	297
77.00	163328	162.00	1120	244.00	38200	352.00	3365
78.00	11492	163.00	185	245.00	5720	353.00	2084
79.00	10337	164.00	420	246.00	6613	354.00	3369
80.00	8491	165.00	3217	247.00	1275	355.00	538
81.00	10779	166.00	2890	248.00	479	356.00	53
82.00	2887	167.00	16171	249.00	1438	358.00	51
83.00	2637	168.00	7903	250.00	65	359.00	266
84.00	23	169.00	1495	251.00	343	363.00	202
85.00	1881	170.00	751	252.00	432	365.00	15447
86.00	3047	171.00	578	253.00	1209	366.00	2026
87.00	1404	172.00	1775	255.00	197312	370.00	446
88.00	437	173.00	1738	256.00	28216	371.00	1172
89.00	224	174.00	3648	257.00	2258	372.00	6581
90.00	104	175.00	5356	258.00	10228	373.00	1475
91.00	2293	176.00	1851	259.00	1597	374.00	323
92.00	3195	177.00	2775	260.00	335	377.00	203
93.00	17336	178.00	902	261.00	339	383.00	1936
94.00	1357	179.00	11718	264.00	369	384.00	546
95.00	363	180.00	7431	265.00	4326	390.00	926
96.00	942	181.00	3226	266.00	574	391.00	604
98.00	13754	182.00	856	268.00	291	392.00	470
99.00	11245	183.00	144	270.00	178	401.00	580
100.00	982	184.00	796	271.00	339	402.00	2537
101.00	5964	185.00	5882	272.00	524	403.00	4340
102.00	379	186.00	43160	273.00	6144	404.00	1656
103.00	2234	187.00	13017	274.00	17560	405.00	323
104.00	4069	188.00	1042	275.00	103296	410.00	341
105.00	3601	189.00	2779	276.00	14144	415.00	204
107.00	46416	190.00	460	277.00	7214	420.00	69
108.00	7427	191.00	1279	278.00	1335	421.00	3681
110.00	86560	192.00	3692	279.00	240	422.00	3725
111.00	13662	193.00	3817	281.00	263	423.00	30600
112.00	1593	194.00	809	282.00	151	424.00	6894

Report Date: 04-Mar-2024 17:02:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d\8270LVI_14.rslt\spectra.d
Injection Date: 04-Mar-2024 10:03:30
Spectrum: Tune Spec :Average 564-566(4.89-4.90) Bgrd 556(4.87)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
113.00	649	195.00	204	283.00	915	425.00	699
114.00	242	196.00	10851	284.00	533	437.00	230
117.00	36400	198.00	319936	285.00	1439	439.00	560
118.00	2781	199.00	22232	286.00	244	441.00	99240
119.00	229	200.00	1712	289.00	343	442.00	619136
120.00	490	201.00	1707	290.00	265	443.00	120264
121.00	274	203.00	2052	291.00	318	444.00	11051
122.00	3116	204.00	11943	292.00	256	445.00	473
123.00	5060	205.00	20200	293.00	1993		
124.00	2396	206.00	80992	294.00	559		
125.00	2166	207.00	9470	296.00	26936		

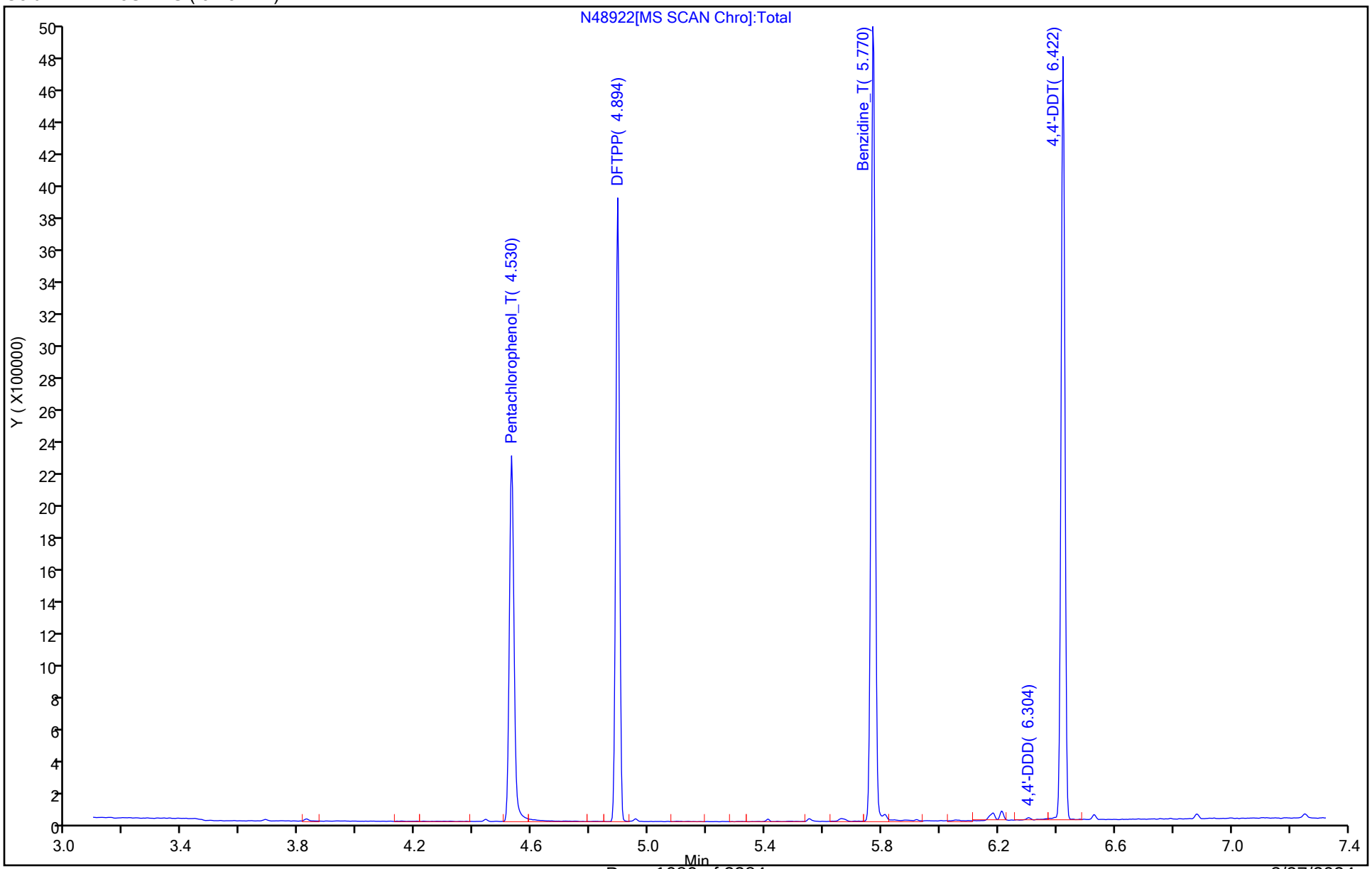
Report Date: 04-Mar-2024 17:02:23 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d

Injection Date:	04-Mar-2024 10:03:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d
Injection Date: 04-Mar-2024 10:03:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

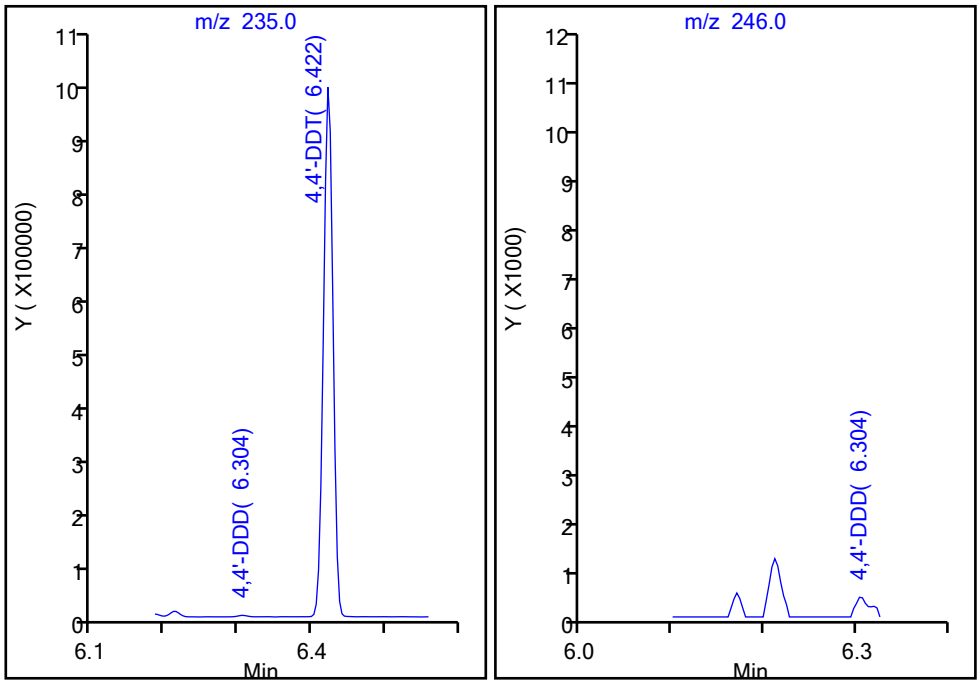
127 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 880214
126 4,4'-DDD, Area = 2419
125 4,4'-DDE, Area = 1017

%Breakdown: 0.39%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

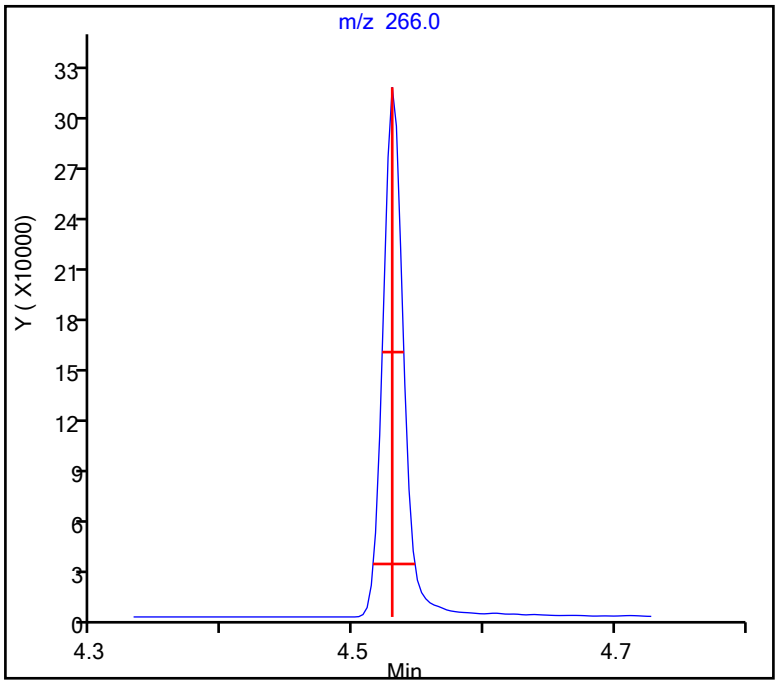
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d
Injection Date: 04-Mar-2024 10:03:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.20, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

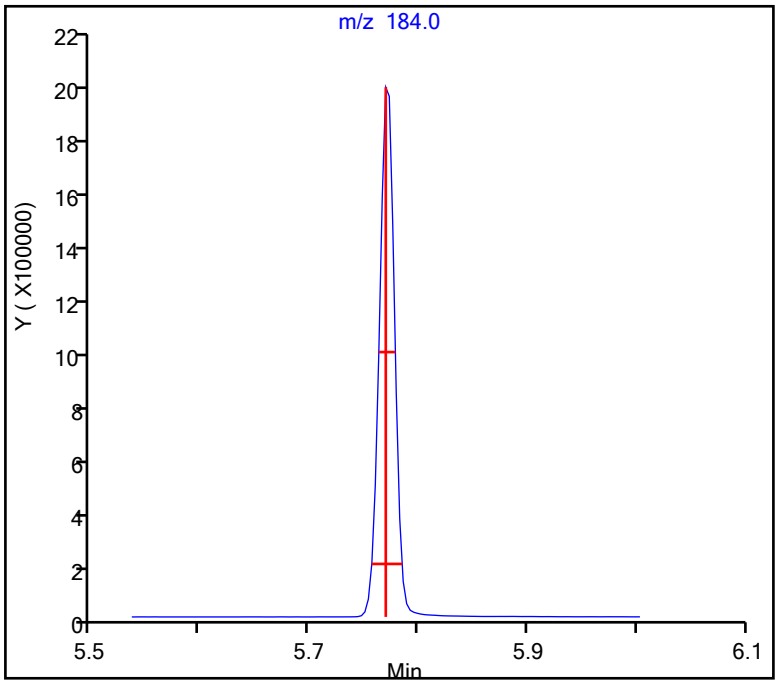
Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48922.d
Injection Date: 04-Mar-2024 10:03:30 Instrument ID: CBNAMS14
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_14 Limit Group: SV 8270E ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.15, Max. Tailing <= 2.00
Passed



Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Mar-2024 11:06:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0172973-001
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 05-Mar-2024 07:39:09 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1687

First Level Reviewer: G4KC Date: 05-Mar-2024 07:39:09

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
16 Pentachlorophenol_T	266	4.389	4.389	0.000	94	282759	NR	NR	
43 Benzidine_T	184	5.632	5.632	0.000	99	1669899	NR	NR	
123 DFTPP									
124 4,4'-DDE	246	6.066	6.066	0.000	55	882		NR	a
125 4,4'-DDD	235	6.159	6.159	0.000	91	1777		NR	
126 4,4'-DDT	235	6.275	6.275	0.000	98	842619	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

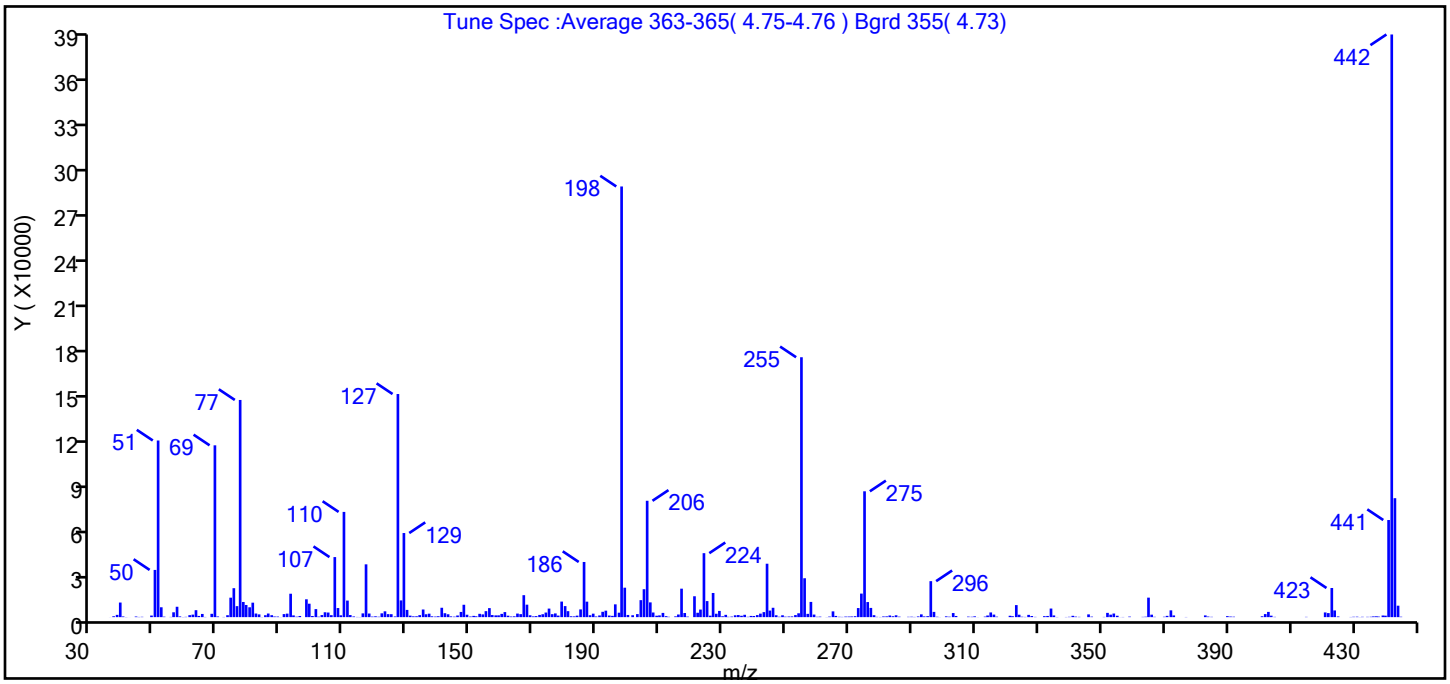
SMDFTP_CH_00036 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

123 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.8 (1.9)
69	Present	39.9
70	<2% of m/z 69	0.2 (0.4)
197	<2% of m/z 198	1.0
199	5-9% of m/z 198	6.8
365	>1% of m/z 198	4.5
441	<150% of m/z 443	22.6 (81.6)
442	Present	135.3
443	15-24% of m/z 442	27.6 (20.4)

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	33	127.00	146752	213.00	231	304.00	767
37.00	589	128.00	11011	215.00	527	308.00	347
38.00	1497	129.00	55320	216.00	1732	309.00	245
39.00	9601	130.00	4757	217.00	18728	310.00	527
40.00	453	131.00	990	218.00	2708	311.00	50
41.00	84	132.00	520	219.00	362	313.00	359
42.00	20	133.00	564	221.00	13738	314.00	1082
44.00	422	134.00	1310	222.00	2883	315.00	3089
45.00	138	135.00	5029	223.00	4987	316.00	1671
46.00	225	136.00	1904	224.00	42072	317.00	316
49.00	1043	137.00	2282	225.00	10561	321.00	901
50.00	31056	138.00	543	226.00	969	322.00	610
51.00	116184	139.00	376	227.00	15886	323.00	7920
52.00	6494	140.00	585	228.00	2235	324.00	1592
53.00	317	141.00	6175	229.00	4088	325.00	278
55.00	144	142.00	2580	230.00	573	326.00	147
56.00	3195	143.00	1887	231.00	1513	327.00	1493
57.00	6829	144.00	501	232.00	220	328.00	736
58.00	478	145.00	331	233.00	372	329.00	168
59.00	90	146.00	1086	234.00	1212	332.00	639
60.00	192	147.00	3421	235.00	1366	333.00	783
61.00	1303	148.00	8145	236.00	913	334.00	5662
62.00	1650	149.00	1589	237.00	1545	335.00	1110
63.00	4572	150.00	418	238.00	224	336.00	111
64.00	798	151.00	842	239.00	808	339.00	112
65.00	2101	152.00	544	240.00	757	340.00	218
66.00	127	153.00	2185	241.00	1343	341.00	876
67.00	8	154.00	1823	242.00	2313	342.00	363
68.00	2194	155.00	3939	243.00	3304	343.00	187
69.00	113008	156.00	5939	244.00	35136	346.00	1809
70.00	450	157.00	1372	245.00	4328	347.00	345
72.00	119	158.00	1157	246.00	6166	351.00	144
73.00	1269	159.00	1181	247.00	1234	352.00	2805

Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	12802	160.00	2143	248.00	259	353.00	1633
75.00	19048	161.00	3320	249.00	1227	354.00	2381
76.00	7234	162.00	955	250.00	304	355.00	918
77.00	142848	163.00	417	251.00	416	356.00	44
78.00	9978	164.00	536	252.00	478	357.00	114
79.00	7996	165.00	2352	253.00	1347	359.00	353
80.00	6490	166.00	1981	254.00	2537	363.00	175
81.00	9518	167.00	14446	255.00	170944	364.00	283
82.00	2377	168.00	8204	256.00	25584	365.00	12824
83.00	1812	169.00	1233	257.00	2164	366.00	1625
84.00	87	170.00	485	258.00	10015	367.00	215
85.00	1264	171.00	683	259.00	1690	370.00	262
86.00	2380	172.00	1458	260.00	243	371.00	843
87.00	1277	173.00	1914	261.00	330	372.00	4468
88.00	416	174.00	3020	263.00	62	373.00	1121
89.00	385	175.00	5627	264.00	366	377.00	109
90.00	56	176.00	1954	265.00	3800	383.00	1143
91.00	2011	177.00	2437	266.00	795	384.00	404
92.00	2310	178.00	1021	267.00	241	385.00	204
93.00	15398	179.00	10235	268.00	162	390.00	667
94.00	1144	180.00	7254	269.00	364	391.00	389
95.00	302	181.00	3937	270.00	379	392.00	297
96.00	761	182.00	572	271.00	451	401.00	566
98.00	11745	183.00	491	272.00	621	402.00	2011
99.00	8836	184.00	990	273.00	5973	403.00	3451
100.00	750	185.00	5085	274.00	15489	404.00	958
101.00	5287	186.00	36280	275.00	82768	405.00	182
102.00	294	187.00	10186	276.00	9922	415.00	179
103.00	1364	188.00	1256	277.00	6067	421.00	3092
104.00	3199	189.00	2291	278.00	1279	422.00	2657
105.00	3028	190.00	425	279.00	197	423.00	19176
106.00	1282	191.00	1113	280.00	118	424.00	4407
107.00	39504	192.00	3511	281.00	455	425.00	442
108.00	5991	193.00	4248	282.00	503	429.00	116

Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D\8270LVI_18.rslt\spectra.d
Injection Date: 04-Mar-2024 11:06:30
Spectrum: Tune Spec :Average 363-365(4.75-4.76) Bgrd 355(4.73)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 338

m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	1204	194.00	1046	283.00	1086	430.00	245
110.00	69216	195.00	850	284.00	597	431.00	301
111.00	10897	196.00	8419	285.00	1226	432.00	64
112.00	1376	197.00	2913	286.00	325	433.00	222
113.00	450	198.00	283264	289.00	222	434.00	204
114.00	132	199.00	19368	290.00	284	435.00	260
115.00	104	200.00	1438	291.00	146	436.00	474
116.00	2473	201.00	1255	292.00	469	437.00	537
117.00	34736	203.00	2002	293.00	1824	438.00	375
118.00	2381	204.00	11174	294.00	469	439.00	1075
119.00	361	205.00	18368	295.00	642	440.00	955
120.00	555	206.00	76536	296.00	23664	441.00	63880
121.00	274	207.00	9705	297.00	3454	442.00	383232
122.00	2516	208.00	3049	298.00	269	443.00	78240
123.00	3832	209.00	938	299.00	51	444.00	7528
124.00	1977	210.00	1155	301.00	519	445.00	279
125.00	1942	211.00	2784	302.00	304		
126.00	441	212.00	638	303.00	2691		

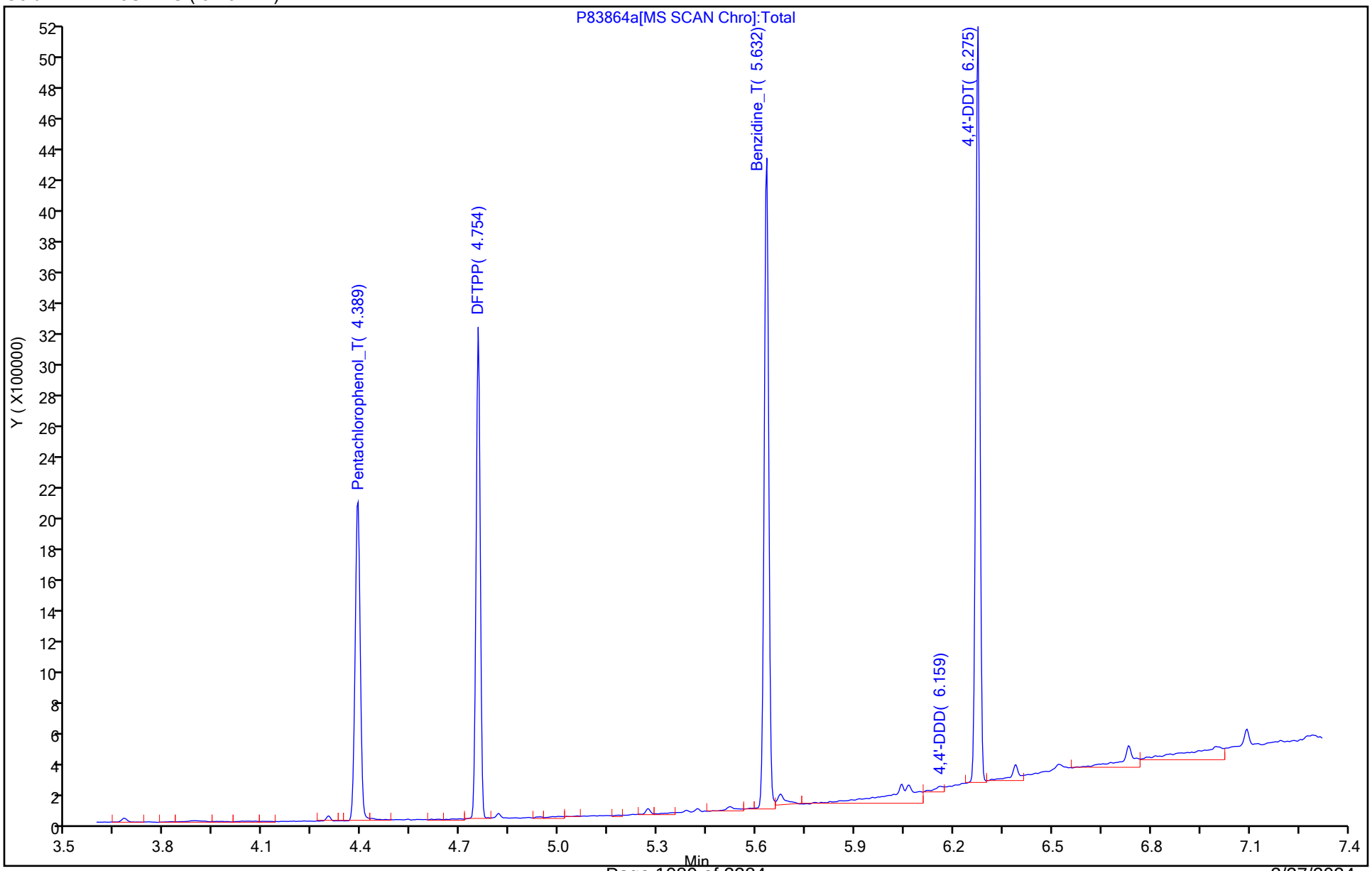
Report Date: 05-Mar-2024 07:39:10 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D

Injection Date:	04-Mar-2024 11:06:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

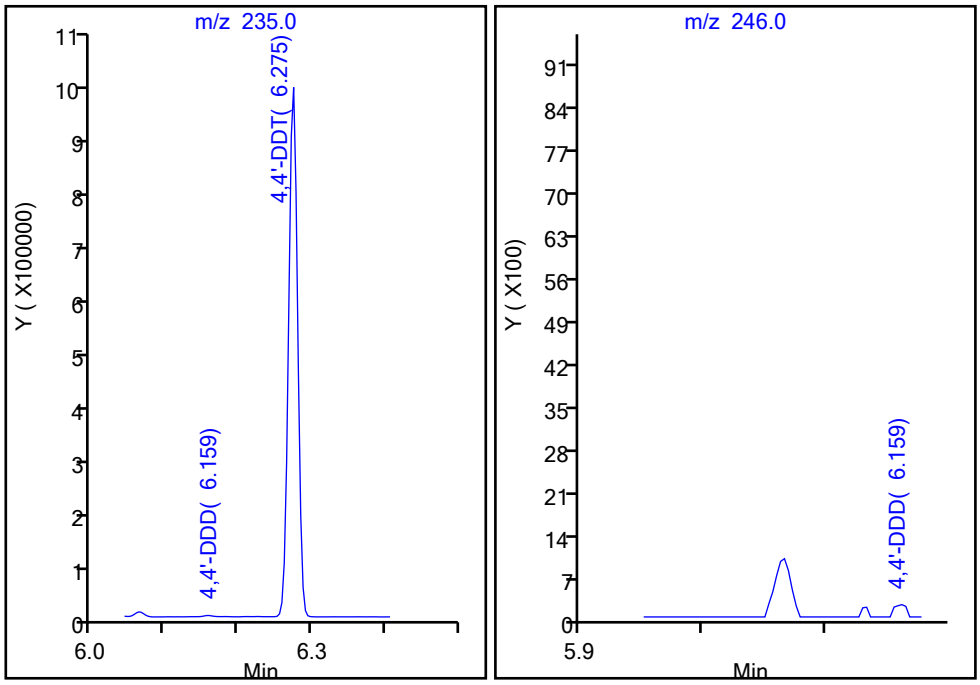
126 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

126 4,4'-DDT, Area = 842619
125 4,4'-DDD, Area = 1777
124 4,4'-DDE, Area = 882

%Breakdown: 0.31%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Edison

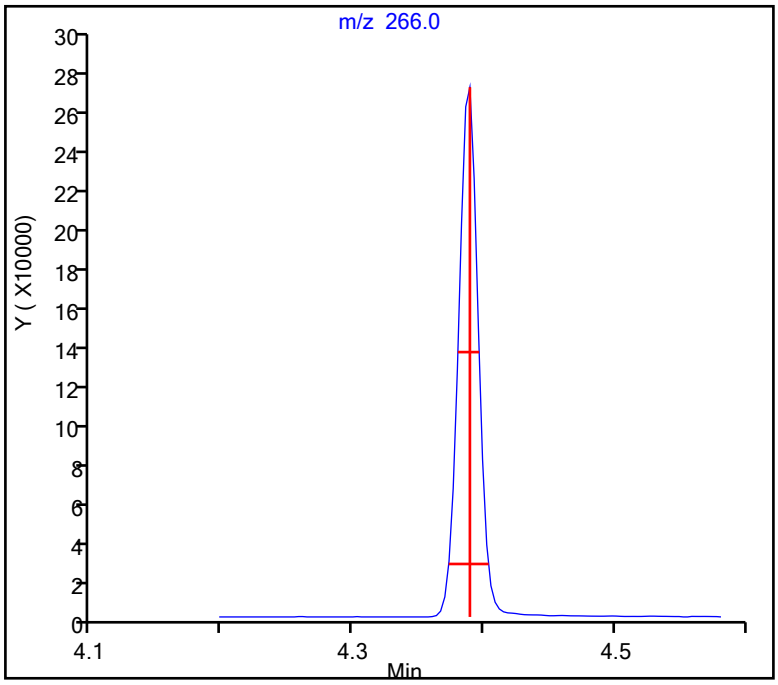
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

16 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.016 (min.)

Tailing Factor = 0.88, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Edison

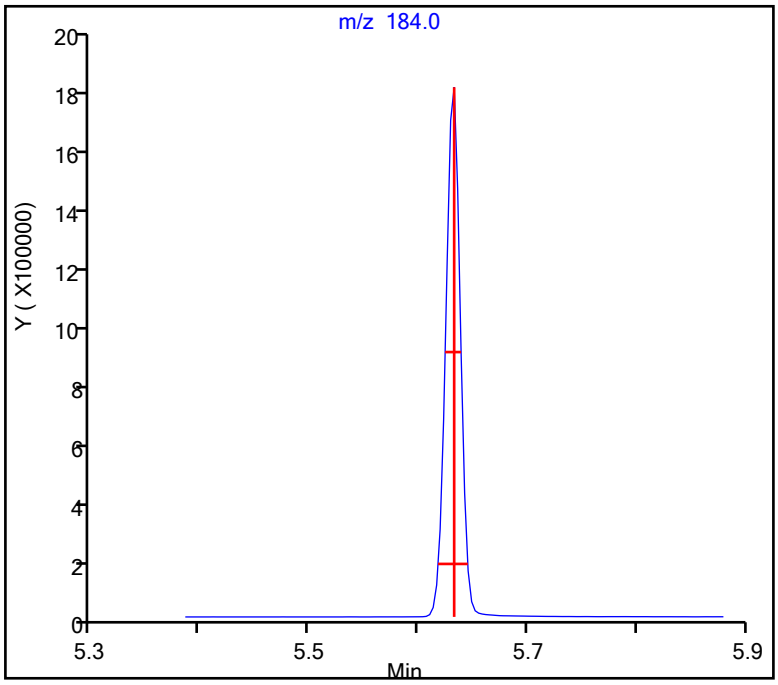
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83864a.D
Injection Date: 04-Mar-2024 11:06:30 Instrument ID: CBNAMS18
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL

43 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965454/1-A

Matrix: Water | Lab File ID: P84272.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 13:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	87		37-150
321-60-8	2-Fluorobiphenyl	82		46-139
367-12-4	2-Fluorophenol (Surr)	70		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	90		51-145
4165-62-2	Phenol-d5 (Surr)	55		10-56
1718-51-0	Terphenyl-d14 (Surr)	57		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D
Lims ID: MB 460-965454/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:30:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-023
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 14:33:37 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 14:33:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.907	2.911	-0.007	96	330774	10.0	7.00	
$ 6 Phenol-d5	99	3.807	3.807	-0.004	99	308811	10.0	5.50	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	96	295902	8.00	8.00	
$ 28 Nitrobenzene-d5	82	4.669	4.668	-0.002	86	448408	10.0	9.03	
* 38 Naphthalene-d8	136	5.355	5.358	-0.003	99	1226488	8.00	8.00	
$ 53 2-Fluorobiphenyl	172	6.396	6.395	-0.001	97	1070443	10.0	8.24	
* 64 Acenaphthene-d10	164	7.024	7.027	-0.003	95	703858	8.00	8.00	
$ 79 2,4,6-Tribromophenol	330	7.772	7.773	-0.003	93	193468	10.0	8.73	
* 88 Phenanthrene-d10	188	8.426	8.428	-0.002	98	1305131	8.00	8.00	
96 Bisphenol-A	213	9.949	9.859	0.086	55	8837		0.1448	
$ 97 Terphenyl-d14	244	9.949	9.946	0.000	97	758596	10.0	5.69	
* 103 Chrysene-d12	240	10.997	11.001	-0.004	99	876030	8.00	8.00	
* 110 Perylene-d12	264	12.783	12.782	0.001	98	880959	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 14:33:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D

Injection Date: 22-Mar-2024 13:30:30 Instrument ID: CBNAMS18 Operator ID:

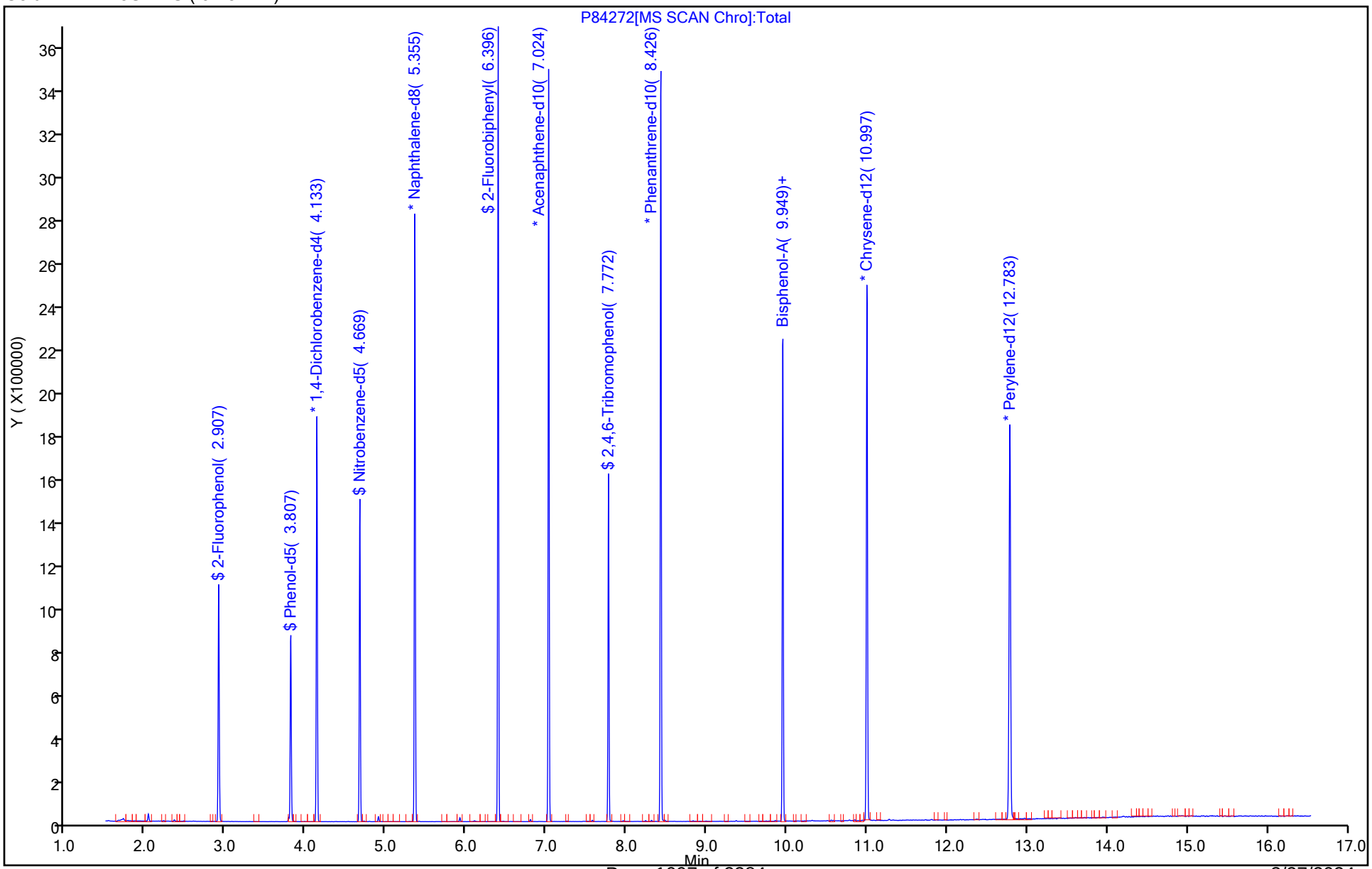
Lims ID: MB 460-965454/1-A Worklist Smp#: 23

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 23

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D
Lims ID: MB 460-965454/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 13:30:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-023
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 22-Mar-2024 14:33:37 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1644

First Level Reviewer: G4KC Date: 22-Mar-2024 14:33:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.00	70.01
$ 6 Phenol-d5	10.0	5.50	55.03
$ 28 Nitrobenzene-d5	10.0	9.03	90.26
$ 53 2-Fluorobiphenyl	10.0	8.24	82.40
$ 79 2,4,6-Tribromophenol	10.0	8.73	87.35
$ 97 Terphenyl-d14	10.0	5.69	56.87

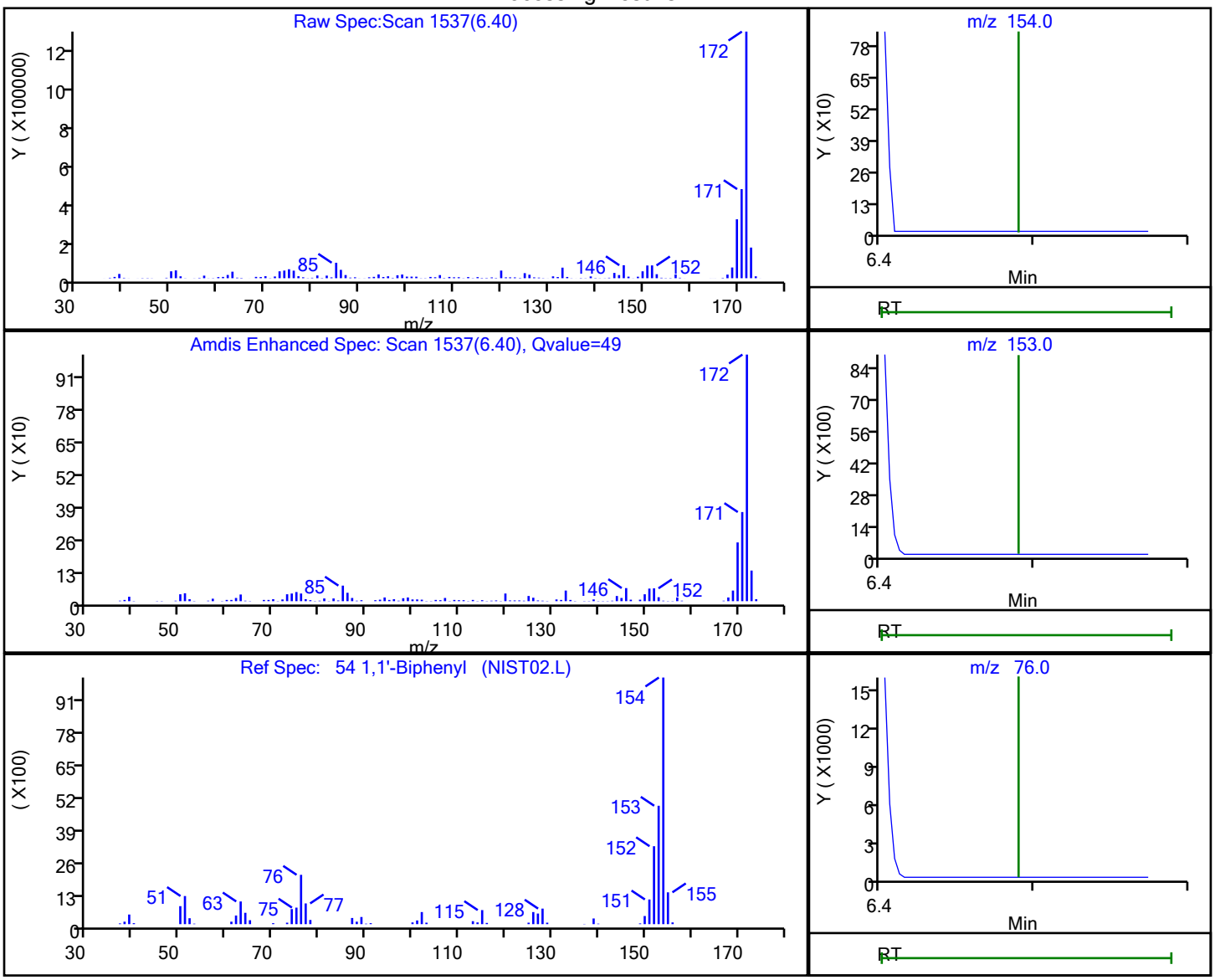
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

54 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.40	154.00	1942	0.013340
6.40	153.00	17545	
6.40	76.00	33770	

Reviewer: G4KC, 22-Mar-2024 14:32:55 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

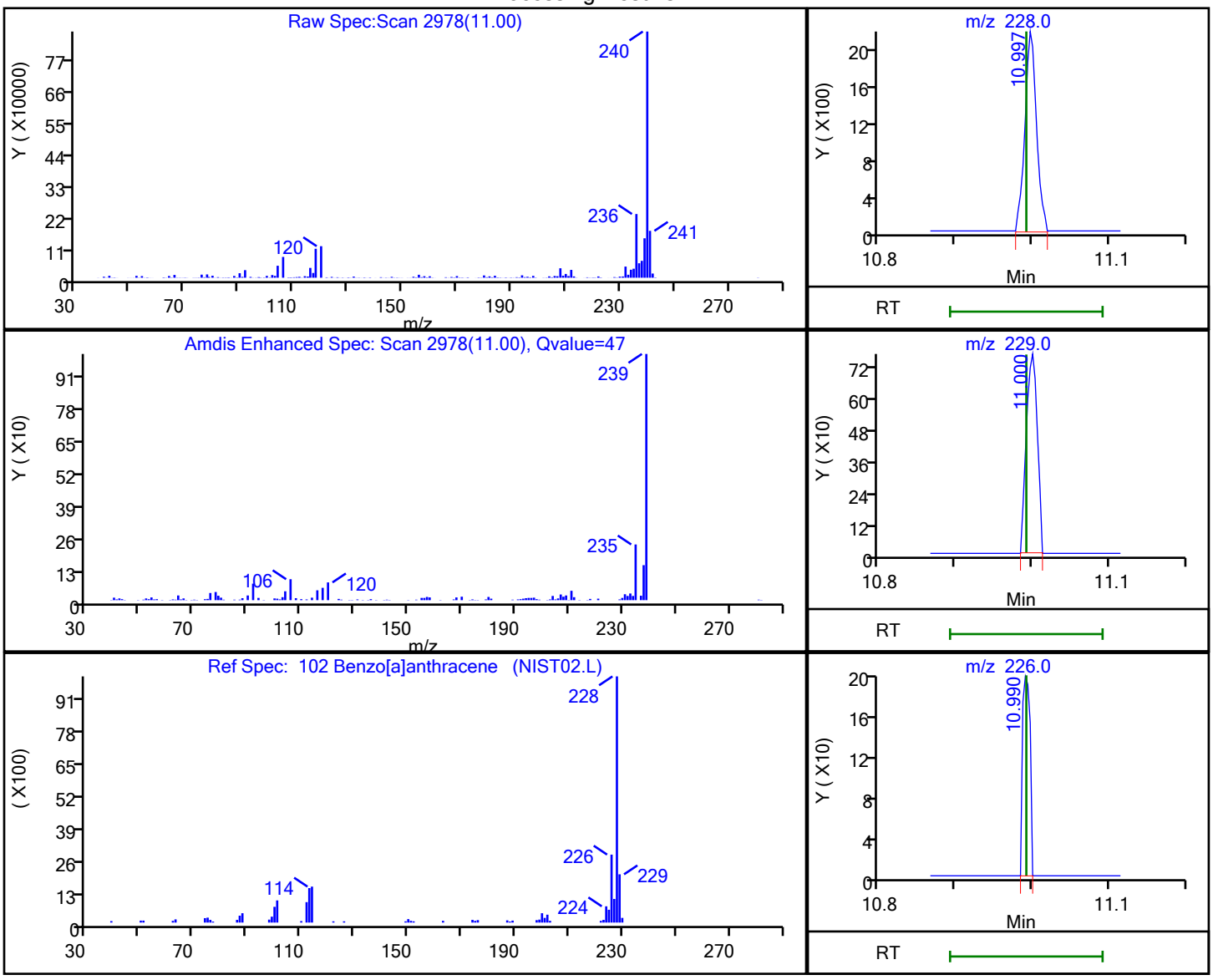
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

102 Benzo[a]anthracene, CAS: 56-55-3

Processing Results



RT	Mass	Response	Amount
11.00	228.00	2257	0.015794
11.00	229.00	766	
10.99	226.00	137	

Reviewer: G4KC, 22-Mar-2024 14:33:00 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

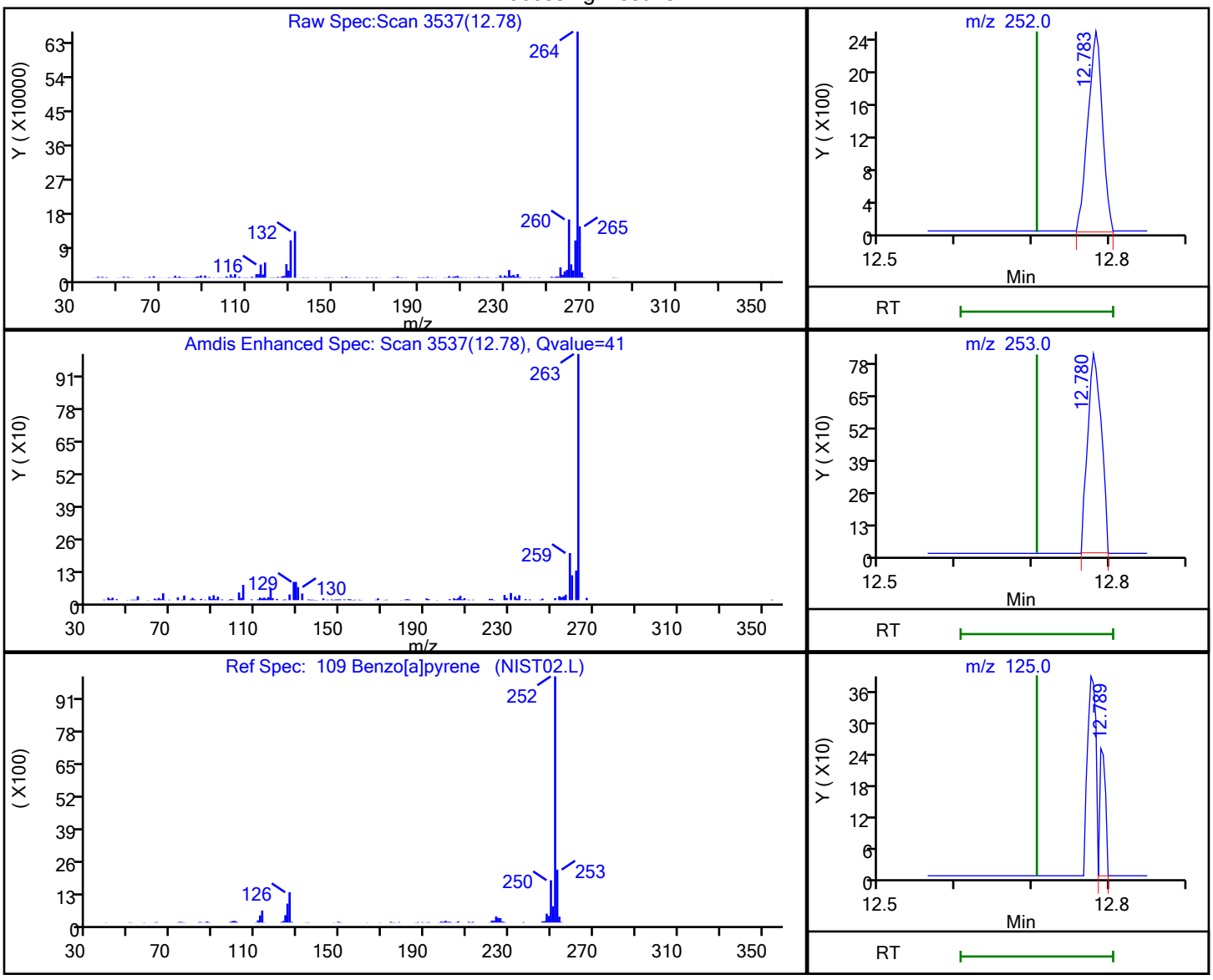
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D				
Injection Date:	22-Mar-2024 13:30:30	Instrument ID:	CBNAMS18		
Lims ID:	MB 460-965454/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
12.78	252.00	3255	0.027474
12.78	253.00	1014	
12.79	125.00	122	

Reviewer: G4KC, 22-Mar-2024 14:33:03 -04:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

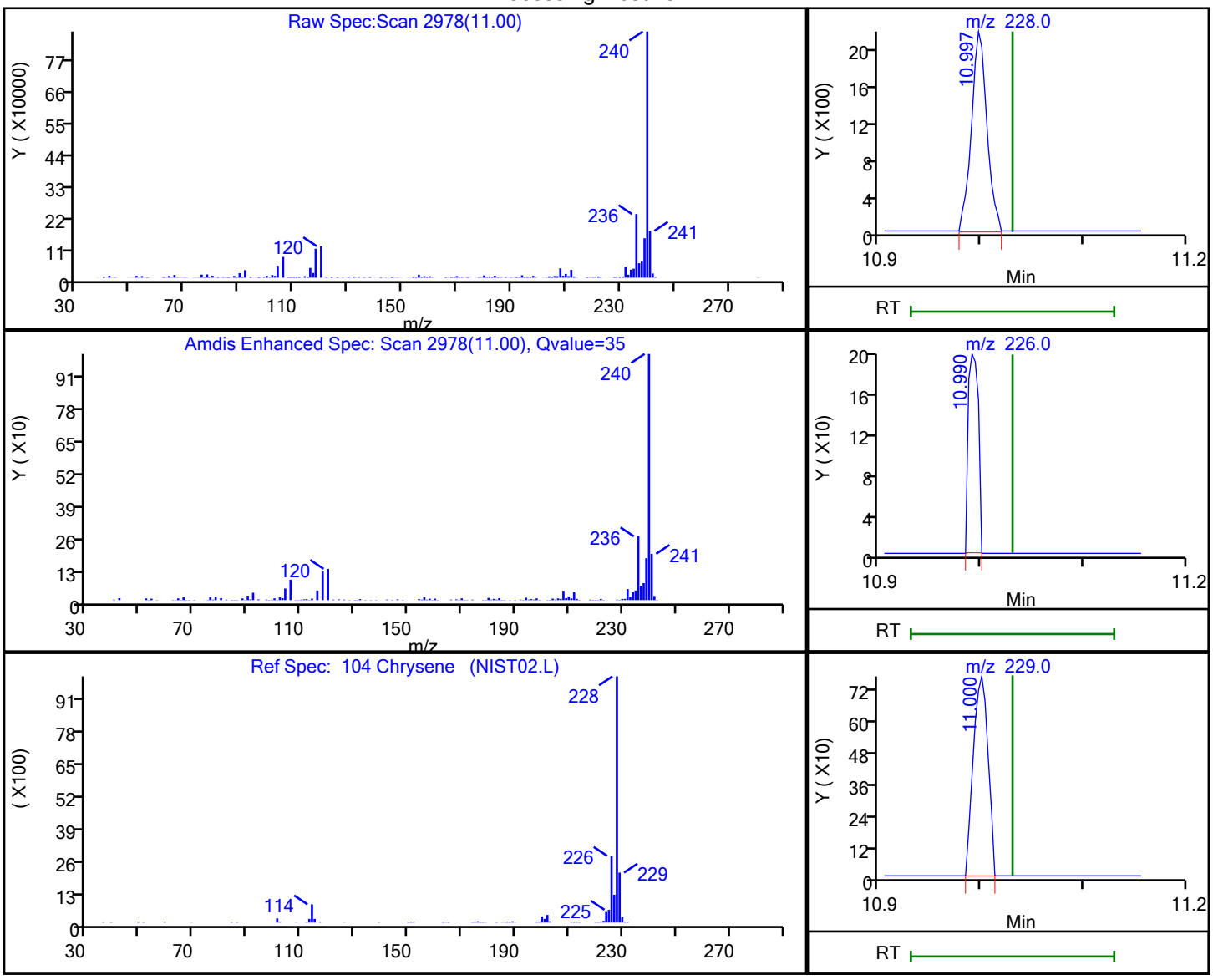
User Disabled Compound Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84272.D
Injection Date: 22-Mar-2024 13:30:30 Instrument ID: CBNAMS18
Lims ID: MB 460-965454/1-A
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

104 Chrysene, CAS: 218-01-9

Processing Results



RT	Mass	Response	Amount
11.00	228.00	2257	0.016919
10.99	226.00	137	
11.00	229.00	766	

Reviewer: G4KC, 22-Mar-2024 14:33:02 -04:00:00 (UTC)
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965565/1-A

Matrix: Water | Lab File ID: N49370.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	10	U	10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	10	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	10	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	10	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	10	U	10	0.86
120-83-2	2,4-Dichlorophenol	10	U	10	1.1
105-67-9	2,4-Dimethylphenol	10	U	10	0.62
51-28-5	2,4-Dinitrophenol	40	U	40	2.6
121-14-2	2,4-Dinitrotoluene	10	U	10	1.0
606-20-2	2,6-Dinitrotoluene	2.0	U	2.0	0.83
91-58-7	2-Chloronaphthalene	10	U	10	1.2
95-57-8	2-Chlorophenol	10	U	10	0.38
91-57-6	2-Methylnaphthalene	10	U	10	0.53
95-48-7	2-Methylphenol	10	U	10	0.67
88-74-4	2-Nitroaniline	10	U	10	0.47
88-75-5	2-Nitrophenol	10	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	10	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	20	U	20	3.0
101-55-3	4-Bromophenyl phenyl ether	10	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	10	U	10	0.58
106-47-8	4-Chloroaniline	10	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	10	U	10	1.3
106-44-5	4-Methylphenol	10	U	10	0.65
100-01-6	4-Nitroaniline	10	U	10	1.2
100-02-7	4-Nitrophenol	20	U	20	4.0
83-32-9	Acenaphthene	10	U	10	1.1
208-96-8	Acenaphthylene	10	U	10	0.82
98-86-2	Acetophenone	10	U	10	2.3
120-12-7	Anthracene	10	U	10	1.3
1912-24-9	Atrazine	2.0	U	2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965565/1-A

Matrix: Water | Lab File ID: N49370.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	10	U	10	2.1
56-55-3	Benzo[a]anthracene	1.0	U	1.0	0.59
50-32-8	Benzo[a]pyrene	1.0	U	1.0	0.41
205-99-2	Benzo[b]fluoranthene	2.0	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	10	U	10	0.70
207-08-9	Benzo[k]fluoranthene	1.0	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	10	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	1.0	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	2.0	U	2.0	0.80
85-68-7	Butyl benzyl phthalate	10	U	10	0.85
105-60-2	Caprolactam	10	U	10	2.2
86-74-8	Carbazole	10	U	10	0.68
218-01-9	Chrysene	2.0	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	1.0	U	1.0	0.72
132-64-9	Dibenzofuran	10	U	10	1.1
84-66-2	Diethyl phthalate	10	U	10	0.98
131-11-3	Dimethyl phthalate	10	U	10	0.77
84-74-2	Di-n-butyl phthalate	10	U	10	0.84
117-84-0	Di-n-octyl phthalate	10	U	10	0.75
206-44-0	Fluoranthene	10	U	10	0.84
86-73-7	Fluorene	10	U	10	0.91
118-74-1	Hexachlorobenzene	1.0	U	1.0	0.40
87-68-3	Hexachlorobutadiene	1.0	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	10	U	10	3.6
67-72-1	Hexachloroethane	2.0	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94
78-59-1	Isophorone	10	U	10	0.80
91-20-3	Naphthalene	2.0	U	2.0	0.54
98-95-3	Nitrobenzene	1.0	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	1.0	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	10	U	10	0.89
87-86-5	Pentachlorophenol	20	U	20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965565/1-A

Matrix: Water | Lab File ID: N49370.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:10

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	10	U	10	1.3
108-95-2	Phenol	10	U	10	0.29
129-00-0	Pyrene	10	U	10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		37-150
321-60-8	2-Fluorobiphenyl	75		46-139
367-12-4	2-Fluorophenol (Surr)	44		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	78		51-145
4165-62-2	Phenol-d5 (Surr)	31		10-56
1718-51-0	Terphenyl-d14 (Surr)	72		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49370.d
Lims ID: MB 460-965565/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Mar-2024 16:10:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-004
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: V5XH Date: 25-Mar-2024 07:54:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.100	3.098	0.002	97	748665	10.0	4.44	
$ 6 Phenol-d5	99	3.978	3.983	-0.005	94	621989	10.0	3.15	
* 14 1,4-Dichlorobenzene-d4	152	4.317	4.315	0.002	95	996862	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.843	4.849	-0.006	85	1294080	10.0	7.79	
* 38 Naphthalene-d8	136	5.533	5.533	0.000	99	3599143	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.567	6.569	-0.002	97	2492506	10.0	7.49	
* 64 Acenaphthene-d10	164	7.202	7.206	-0.004	95	1779576	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.952	7.955	-0.003	90	479640	10.0	7.89	
* 87 Phenanthrene-d10	188	8.610	8.614	-0.004	99	2994118	8.00	8.00	
$ 96 Terphenyl-d14	244	10.139	10.140	-0.001	98	1904016	10.0	7.18	
* 102 Chrysene-d12	240	11.232	11.234	-0.002	99	1675530	8.00	8.00	
* 109 Perylene-d12	264	13.095	13.094	0.001	99	1725418	8.00	8.00	

QC Flag Legend
Processing Flags

Reagents:
sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 07:54:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49370.d

Injection Date: 23-Mar-2024 16:10:30 Instrument ID: CBNAMS14 Operator ID:

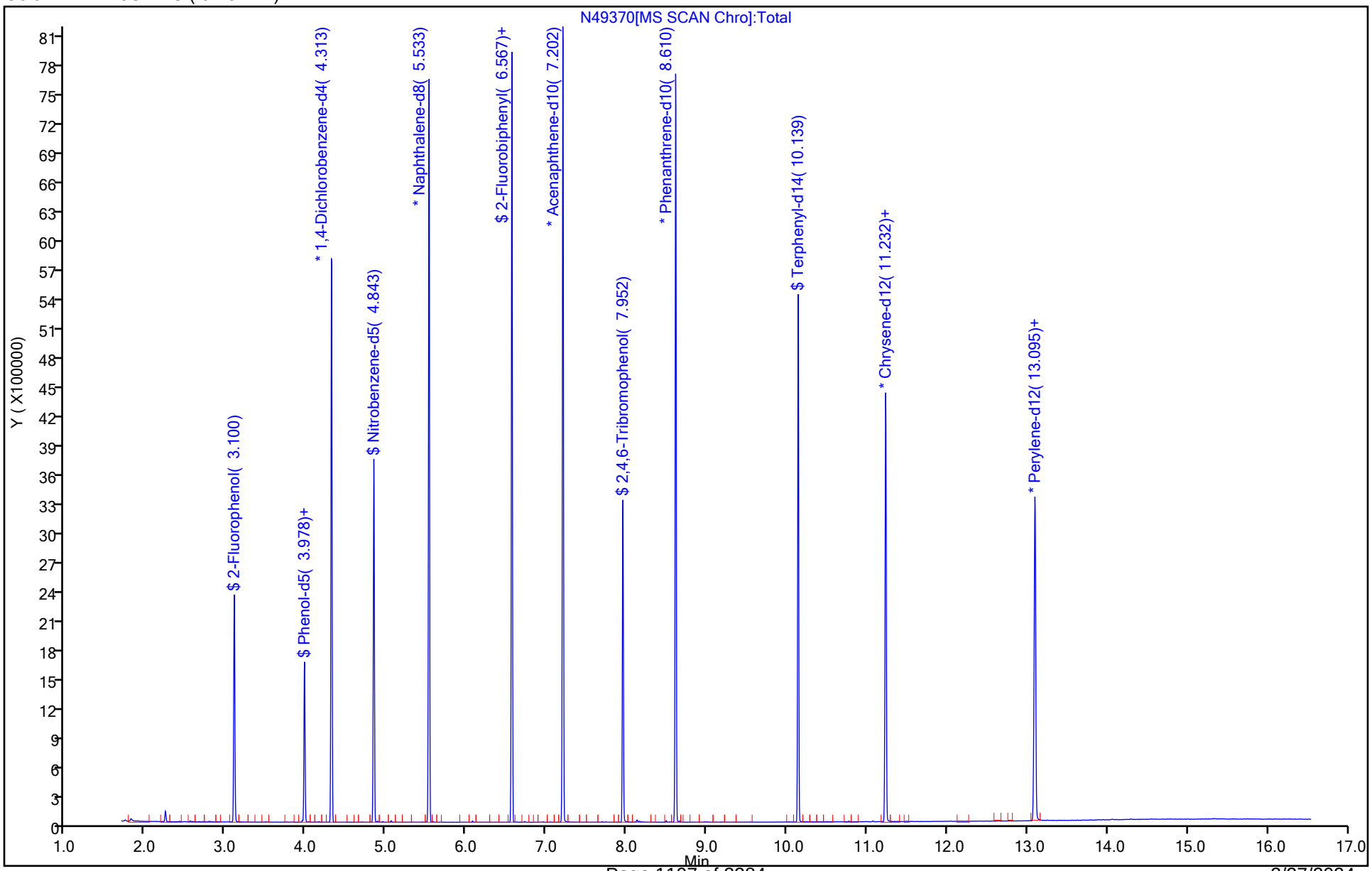
Lims ID: MB 460-965565/1-A Worklist Smp#: 4

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49370.d
Lims ID: MB 460-965565/1-A
Client ID:
Sample Type: MB
Inject. Date: 23-Mar-2024 16:10:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-004
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: V5XH Date: 25-Mar-2024 07:54:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.44	44.43
$ 6 Phenol-d5	10.0	3.15	31.48
$ 27 Nitrobenzene-d5	10.0	7.79	77.92
$ 51 2-Fluorobiphenyl	10.0	7.49	74.94
$ 80 2,4,6-Tribromophenol	10.0	7.89	78.88
$ 96 Terphenyl-d14	10.0	7.18	71.79

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	68.2		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	57.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	77.2		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	78.4		10	0.75
95-95-4	2,4,5-Trichlorophenol	73.1		10	0.88
88-06-2	2,4,6-Trichlorophenol	77.3		10	0.86
120-83-2	2,4-Dichlorophenol	71.6		10	1.1
105-67-9	2,4-Dimethylphenol	50.6		10	0.62
51-28-5	2,4-Dinitrophenol	150		40	2.6
121-14-2	2,4-Dinitrotoluene	105		10	1.0
606-20-2	2,6-Dinitrotoluene	91.1		2.0	0.83
91-58-7	2-Chloronaphthalene	64.6		10	1.2
95-57-8	2-Chlorophenol	62.5		10	0.38
91-57-6	2-Methylnaphthalene	60.9		10	0.53
95-48-7	2-Methylphenol	56.6		10	0.67
88-74-4	2-Nitroaniline	93.3		10	0.47
88-75-5	2-Nitrophenol	75.3		10	0.75
91-94-1	3,3'-Dichlorobenzidine	89.6		10	1.4
99-09-2	3-Nitroaniline	69.6		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	164		20	3.0
101-55-3	4-Bromophenyl phenyl ether	78.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.1		10	0.58
106-47-8	4-Chloroaniline	64.8		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.7		10	1.3
106-44-5	4-Methylphenol	50.4		10	0.65
100-01-6	4-Nitroaniline	85.6		10	1.2
100-02-7	4-Nitrophenol	80.8		20	4.0
83-32-9	Acenaphthene	83.5		10	1.1
208-96-8	Acenaphthylene	73.9		10	0.82
98-86-2	Acetophenone	89.7		10	2.3
120-12-7	Anthracene	89.6		10	1.3
1912-24-9	Atrazine	53.0		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	47.0		10	2.1
56-55-3	Benzo[a]anthracene	92.4		1.0	0.59
50-32-8	Benzo[a]pyrene	91.6		1.0	0.41
205-99-2	Benzo[b]fluoranthene	89.2		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	81.6		10	0.70
207-08-9	Benzo[k]fluoranthene	89.3		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	80.1		10	0.59
111-44-4	Bis(2-chloroethyl)ether	79.1		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	107		2.0	0.80
85-68-7	Butyl benzyl phthalate	101		10	0.85
105-60-2	Caprolactam	11.2		10	2.2
86-74-8	Carbazole	92.7		10	0.68
218-01-9	Chrysene	89.4		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	85.2		1.0	0.72
132-64-9	Dibenzofuran	82.5		10	1.1
84-66-2	Diethyl phthalate	87.8		10	0.98
131-11-3	Dimethyl phthalate	88.7		10	0.77
84-74-2	Di-n-butyl phthalate	99.2		10	0.84
117-84-0	Di-n-octyl phthalate	104		10	0.75
206-44-0	Fluoranthene	94.3		10	0.84
86-73-7	Fluorene	88.0		10	0.91
118-74-1	Hexachlorobenzene	84.1		1.0	0.40
87-68-3	Hexachlorobutadiene	37.6		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	21.2		10	3.6
67-72-1	Hexachloroethane	37.3		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	95.4		2.0	0.94
78-59-1	Isophorone	89.6		10	0.80
91-20-3	Naphthalene	58.3		2.0	0.54
98-95-3	Nitrobenzene	88.1		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	91.9		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	84.1		10	0.89
87-86-5	Pentachlorophenol	171		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965454/17-A

Matrix: Water | Lab File ID: P84291.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 23:41

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	87.6		10	1.3
108-95-2	Phenol	32.2		10	0.29
129-00-0	Pyrene	91.9		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	52		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	109		51-145
4165-62-2	Phenol-d5 (Surr)	39		10-56
1718-51-0	Terphenyl-d14 (Surr)	80		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D
Lims ID: LCS 460-965454/17-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:09:31

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.614	1.614	0.000	92	88068	10.0	4.77	
	2 N-Nitrosodimethylamine	74	1.822	1.822	0.000	88	143246	10.0	5.12	
	3 Pyridine	79	1.857	1.847	0.010	95	142135	20.0	3.28	
$	4 2-Fluorophenol	112	2.910	2.907	0.003	96	222916	10.0	5.23	
	5 Benzaldehyde	77	3.711	3.715	-0.004	95	191996	5.00	5.88	E
$	6 Phenol-d5	99	3.810	3.811	-0.001	99	198429	10.0	3.92	
	8 Aniline	93	3.820	3.820	0.000	88	327541	10.0	5.35	
	7 Phenol	94	3.820	3.823	-0.003	85	234568	10.0	4.03	
	9 Bis(2-chloroethyl)ether	93	3.881	3.884	-0.003	99	445467	10.0	9.89	
	10 Benzonitrile	103	3.897	3.897	0.000	98	884625	NC	NC	
	11 2-Chlorophenol	128	3.942	3.942	0.000	97	370114	10.0	7.81	
	12 n-Decane	43	3.980	3.980	0.000	86	152106	10.0	3.97	
	13 1,3-Dichlorobenzene	146	4.079	4.079	0.000	97	267657	10.0	4.96	
*	14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	267156	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	96	286293	10.0	5.20	
	17 Benzyl alcohol	108	4.277	4.277	0.000	95	216376	10.0	7.17	
	18 1,2-Dichlorobenzene	146	4.296	4.296	0.000	98	282927	10.0	5.42	
	20 2-Methylphenol	108	4.402	4.402	0.000	85	295757	10.0	7.07	
	21 2,2'-oxybis[1-chloropropane]	45	4.398	4.405	-0.007	90	462556	10.0	9.65	
	22 N-Methylaniline	106	4.520	4.520	0.000	99	623295	10.0	9.39	
	23 Acetophenone	105	4.526	4.530	-0.004	94	731625	10.0	11.2	
	24 N-Nitrosodi-n-propylamine	70	4.529	4.533	-0.004	85	337738	10.0	11.5	
	26 4-Methylphenol	108	4.552	4.555	-0.003	98	281906	10.0	6.30	
	25 3 & 4 Methylphenol	108	4.552	4.555	-0.003	62	282724	10.0	6.32	
	27 Hexachloroethane	117	4.616	4.616	0.000	94	87395	10.0	4.66	
$	28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	477605	10.0	10.9	
	29 Nitrobenzene	123	4.692	4.693	-0.001	95	257226	10.0	11.0	
	30 n,n'-Dimethylaniline	120	4.692	4.693	-0.001	94	642598	10.0	8.85	
	31 Isophorone	82	4.919	4.923	-0.004	99	902756	10.0	11.2	
	32 2-Nitrophenol	139	4.996	4.996	0.000	94	245470	10.0	9.42	
	33 2,4-Dimethylphenol	122	5.057	5.060	-0.003	91	252183	10.0	6.32	
	34 Bis(2-chloroethoxy)methane	93	5.136	5.140	-0.004	98	561845	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.146	5.169	-0.023	92	97184	10.0	3.77	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	360006	10.0	8.95	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	242674	10.0	5.33	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1080561	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1076995	10.0	7.29	
40 4-Chloroaniline	127	5.443	5.444	-0.001	98	434544	10.0	8.10	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	97	382652	10.0	9.48	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	117839	10.0	4.69	
44 Caprolactam	113	5.763	5.766	-0.003	93	13863	5.00	1.40	
45 4-Chloro-3-methylphenol	107	5.929	5.932	-0.003	96	327814	10.0	8.64	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	724670	10.0	7.62	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	92	682395	10.0	7.65	
48 Hexachlorocyclopentadiene	237	6.191	6.195	-0.004	96	82439	10.0	2.65	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	98	336674	10.0	7.24	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	630633	10.0	11.6	
51 2,4,6-Trichlorophenol	196	6.319	6.323	-0.004	91	278406	10.0	9.66	
52 2,4,5-Trichlorophenol	196	6.361	6.364	-0.003	98	289662	10.0	9.14	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	969825	10.0	8.87	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1045189	10.0	8.53	
55 2-Chloronaphthalene	162	6.501	6.502	-0.001	98	767459	10.0	8.07	
56 Phenyl ether	170	6.591	6.591	0.000	85	553097	10.0	8.56	
57 2-Nitroaniline	65	6.610	6.610	0.000	93	250629	10.0	11.7	
58 1,3-Dimethylnaphthalene	156	6.712	6.713	-0.001	92	664488	10.0	9.13	
59 Dimethyl phthalate	163	6.792	6.796	-0.004	99	1108495	10.0	11.1	
60 Coumarin	146	6.802	6.802	0.000	80	362524	10.0	11.8	
61 2,6-Dinitrotoluene	165	6.844	6.847	-0.003	96	239935	10.0	11.4	
62 Acenaphthylene	152	6.892	6.892	0.000	97	1367664	10.0	9.23	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	201538	10.0	8.69	
* 64 Acenaphthene-d10	164	7.026	7.029	-0.003	95	592499	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	95	922645	10.0	10.4	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	779801	10.0	9.58	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	252514	20.0	18.8	
68 4-Nitrophenol	65	7.202	7.205	-0.003	90	153464	20.0	10.1	
69 2,4-Dinitrotoluene	165	7.221	7.224	-0.003	64	347208	10.0	13.2	
70 Dibenzofuran	168	7.221	7.224	-0.003	96	1365021	10.0	10.3	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	95	247219	10.0	9.80	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	1065350	10.0	11.0	
73 Fluorene	166	7.544	7.547	-0.003	94	1150246	10.0	11.0	
74 4-Chlorophenyl phenyl ether	204	7.554	7.554	0.000	91	533809	10.0	10.5	
75 4-Nitroaniline	138	7.583	7.583	0.000	86	222684	10.0	10.7	
76 4,6-Dinitro-2-methylphenol	198	7.608	7.608	0.000	87	355782	20.0	20.5	
77 N-Nitrosodiphenylamine	169	7.669	7.672	-0.003	98	777527	10.0	10.5	
78 1,2-Diphenylhydrazine	77	7.704	7.704	0.000	99	1043642	10.0	10.9	
131 Azobenzene	77	7.704	7.704	0.000	0	1043419	10.0	10.9	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	94	195028	10.0	10.5	
80 4-Bromophenyl phenyl ether	248	8.015	8.014	0.001	92	301811	10.0	9.85	
82 Hexachlorobenzene	284	8.063	8.066	-0.003	97	393298	10.0	10.5	
83 Atrazine	200	8.188	8.187	0.001	94	149129	5.00	6.62	E
84 Pentachlorophenol	266	8.261	8.261	0.000	94	455027	20.0	21.3	
85 Pentachloronitrobenzene	237	8.268	8.267	0.001	89	145852	10.0	12.4	
87 n-Octadecane	57	8.361	8.363	-0.002	90	621547	10.0	10.4	
* 88 Phenanthrene-d10	188	8.428	8.427	0.001	98	1048366	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.450	8.450	0.000	97	1573445	10.0	11.0	
90 Anthracene	178	8.498	8.498	0.000	98	1621487	10.0	11.2	
91 Carbazole	167	8.662	8.661	0.001	96	1446894	10.0	11.6	
92 Di-n-butyl phthalate	149	9.010	9.012	-0.002	99	1812407	10.0	12.4	
93 Fluoranthene	202	9.570	9.572	-0.002	98	1611166	10.0	11.8	
94 Benzidine	184	9.714	9.715	-0.001	99	413172	10.0	6.58	
95 Pyrene	202	9.782	9.783	-0.001	97	1695608	10.0	11.5	
96 Bisphenol-A	213	9.862	9.863	-0.001	98	208655	5.00	3.91	
$ 97 Terphenyl-d14	244	9.948	9.949	-0.001	97	928332	10.0	7.96	
98 Butyl benzyl phthalate	149	10.444	10.445	-0.001	96	697137	10.0	12.6	
100 Carbamazepine	193	10.534	10.534	0.000	92	472170	10.0	10.8	
101 3,3'-Dichlorobenzidine	252	10.982	10.986	-0.004	99	498330	10.0	11.2	
102 Benzo[a]anthracene	228	10.992	10.995	-0.003	99	1443082	10.0	11.6	
* 103 Chrysene-d12	240	11.001	11.005	-0.004	99	765831	8.00	8.00	
104 Chrysene	228	11.030	11.031	-0.001	98	1303299	10.0	11.2	
105 Bis(2-ethylhexyl) phthalate	149	11.082	11.085	-0.003	86	983146	10.0	13.4	
106 Di-n-octyl phthalate	149	11.875	11.875	0.000	96	1555346	10.0	13.0	
107 Benzo[b]fluoranthene	252	12.282	12.285	-0.003	98	1265214	10.0	11.2	
108 Benzo[k]fluoranthene	252	12.320	12.320	0.000	99	1295021	10.0	11.2	
109 Benzo[a]pyrene	252	12.708	12.708	0.000	98	1135589	10.0	11.4	
* 110 Perylene-d12	264	12.784	12.784	0.000	99	737647	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.247	14.251	-0.004	99	1227427	10.0	11.9	
112 Dibenz(a,h)anthracene	278	14.292	14.293	-0.001	98	1204455	10.0	10.7	
113 Benzo[g,h,i]perylene	276	14.628	14.629	-0.001	97	1168972	10.0	10.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 08:14:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D

Injection Date: 22-Mar-2024 23:41:30 Instrument ID: CBNAMS18 Operator ID:

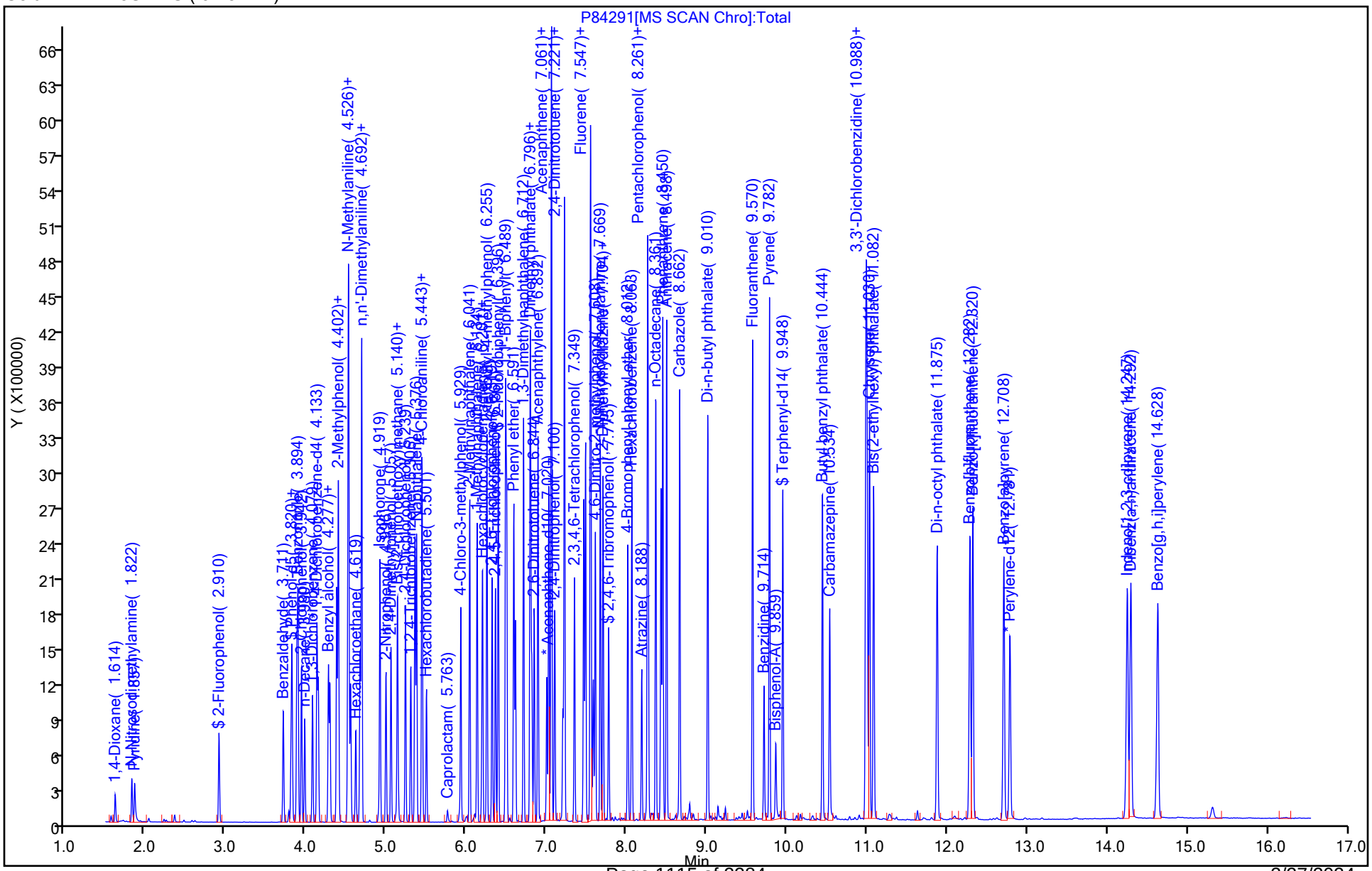
Lims ID: LCS 460-965454/17-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84291.D
Lims ID: LCS 460-965454/17-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 23:41:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-005
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:09:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.23	52.26
$ 6 Phenol-d5	10.0	3.92	39.16
$ 28 Nitrobenzene-d5	10.0	10.9	109.12
$ 53 2-Fluorobiphenyl	10.0	8.87	88.69
$ 79 2,4,6-Tribromophenol	10.0	10.5	104.60
$ 97 Terphenyl-d14	10.0	7.96	79.60

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965565/2-A

Matrix: Water | Lab File ID: N49371.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	62.6		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	63.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	57.0		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	65.1		10	0.75
95-95-4	2,4,5-Trichlorophenol	63.9		10	0.88
88-06-2	2,4,6-Trichlorophenol	66.7		10	0.86
120-83-2	2,4-Dichlorophenol	60.7		10	1.1
105-67-9	2,4-Dimethylphenol	43.8		10	0.62
51-28-5	2,4-Dinitrophenol	129		40	2.6
121-14-2	2,4-Dinitrotoluene	66.1		10	1.0
606-20-2	2,6-Dinitrotoluene	66.1		2.0	0.83
91-58-7	2-Chloronaphthalene	62.3		10	1.2
95-57-8	2-Chlorophenol	54.0		10	0.38
91-57-6	2-Methylnaphthalene	63.0		10	0.53
95-48-7	2-Methylphenol	48.1		10	0.67
88-74-4	2-Nitroaniline	60.2		10	0.47
88-75-5	2-Nitrophenol	62.2		10	0.75
91-94-1	3,3'-Dichlorobenzidine	69.7		10	1.4
99-09-2	3-Nitroaniline	47.8		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	143		20	3.0
101-55-3	4-Bromophenyl phenyl ether	61.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	57.9		10	0.58
106-47-8	4-Chloroaniline	45.6		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	62.3		10	1.3
106-44-5	4-Methylphenol	43.8		10	0.65
100-01-6	4-Nitroaniline	56.3		10	1.2
100-02-7	4-Nitrophenol	65.3		20	4.0
83-32-9	Acenaphthene	62.5		10	1.1
208-96-8	Acenaphthylene	58.7		10	0.82
98-86-2	Acetophenone	60.3		10	2.3
120-12-7	Anthracene	61.8		10	1.3
1912-24-9	Atrazine	56.6		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965565/2-A

Matrix: Water | Lab File ID: N49371.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	47.9		10	2.1
56-55-3	Benzo[a]anthracene	69.6		1.0	0.59
50-32-8	Benzo[a]pyrene	72.9		1.0	0.41
205-99-2	Benzo[b]fluoranthene	68.1		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	63.0		10	0.70
207-08-9	Benzo[k]fluoranthene	67.5		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	59.6		10	0.59
111-44-4	Bis(2-chloroethyl)ether	59.1		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	75.4		2.0	0.80
85-68-7	Butyl benzyl phthalate	76.6		10	0.85
105-60-2	Caprolactam	15.9		10	2.2
86-74-8	Carbazole	63.7		10	0.68
218-01-9	Chrysene	68.4		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	69.8		1.0	0.72
132-64-9	Dibenzofuran	62.4		10	1.1
84-66-2	Diethyl phthalate	64.4		10	0.98
131-11-3	Dimethyl phthalate	63.6		10	0.77
84-74-2	Di-n-butyl phthalate	73.5		10	0.84
117-84-0	Di-n-octyl phthalate	73.0		10	0.75
206-44-0	Fluoranthene	65.8		10	0.84
86-73-7	Fluorene	61.8		10	0.91
118-74-1	Hexachlorobenzene	64.5		1.0	0.40
87-68-3	Hexachlorobutadiene	62.6		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	37.2		10	3.6
67-72-1	Hexachloroethane	56.8		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	75.8		2.0	0.94
78-59-1	Isophorone	61.9		10	0.80
91-20-3	Naphthalene	60.0		2.0	0.54
98-95-3	Nitrobenzene	60.5		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	60.6		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	62.5		10	0.89
87-86-5	Pentachlorophenol	136		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965565/2-A

Matrix: Water | Lab File ID: N49371.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:32

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	62.1		10	1.3
108-95-2	Phenol	28.4		10	0.29
129-00-0	Pyrene	65.5		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		37-150
321-60-8	2-Fluorobiphenyl	84		46-139
367-12-4	2-Fluorophenol (Surr)	52		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	86		51-145
4165-62-2	Phenol-d5 (Surr)	40		10-56
1718-51-0	Terphenyl-d14 (Surr)	78		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49371.d
Lims ID: LCS 460-965565/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Mar-2024 16:32:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-005
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 16:54:47

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.817	1.801	0.016	92	250186	10.0	4.31	
	2 N-Nitrosodimethylamine	74	2.022	2.009	0.013	95	393527	10.0	4.46	
	3 Pyridine	79	2.057	2.038	0.019	96	404584	20.0	3.04	
$	4 2-Fluorophenol	112	3.104	3.098	0.006	97	701061	10.0	5.20	
	5 Benzaldehyde	77	3.899	3.896	0.003	96	669224	5.00	5.99	E
$	6 Phenol-d5	99	3.982	3.983	-0.001	94	629113	10.0	3.98	
	7 Phenol	94	3.994	3.995	-0.001	97	664794	10.0	3.55	
	8 Aniline	93	4.004	4.002	0.002	98	843914	10.0	4.16	
	9 Bis(2-chloroethyl)ether	93	4.062	4.063	-0.001	98	1014962	10.0	7.39	
	10 Benzonitrile	103	4.078	4.082	-0.005	97	2018645	NC	NC	
	11 2-Chlorophenol	128	4.122	4.123	-0.001	98	965723	10.0	6.75	
	12 n-Decane	43	4.161	4.158	0.003	88	771172	10.0	6.15	
	13 1,3-Dichlorobenzene	146	4.263	4.261	0.002	96	1108003	10.0	6.91	
*	14 1,4-Dichlorobenzene-d4	152	4.317	4.315	0.002	94	797290	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.333	4.331	0.002	95	1141176	10.0	7.06	
	16 Benzyl alcohol	108	4.451	4.452	-0.001	96	547318	10.0	6.48	
	17 1,2-Dichlorobenzene	146	4.477	4.475	0.002	97	1070706	10.0	7.07	
	18 2-Methylphenol	108	4.570	4.571	-0.001	87	727245	10.0	6.01	
	19 2,2'-oxybis[1-chloropropane]	45	4.573	4.577	-0.004	94	1058587	10.0	7.12	
	20 N-Methylaniline	106	4.697	4.695	0.002	97	1244891	10.0	6.42	
	22 N-Nitrosodi-n-propylamine	70	4.704	4.705	-0.001	67	652987	10.0	7.57	
	21 Acetophenone	105	4.704	4.705	-0.001	92	1391216	10.0	7.54	
	23 3 & 4 Methylphenol	108	4.720	4.721	-0.001	79	740533	10.0	5.47	
	24 4-Methylphenol	108	4.720	4.721	-0.001	96	740533	10.0	5.47	
	25 Hexachloroethane	117	4.800	4.798	0.002	96	408454	10.0	7.10	
$	27 Nitrobenzene-d5	82	4.848	4.849	-0.001	84	1085701	10.0	8.59	
	28 Nitrobenzene	123	4.867	4.868	-0.001	96	497527	10.0	7.56	
	29 n,n'-Dimethylaniline	120	4.870	4.868	0.002	94	1265368	10.0	6.30	
	30 Isophorone	82	5.094	5.095	-0.001	99	1720038	10.0	7.74	
	32 2-Nitrophenol	139	5.170	5.168	0.002	96	548898	10.0	7.78	
	33 2,4-Dimethylphenol	122	5.225	5.223	0.002	92	577397	10.0	5.47	
	34 Bis(2-chloroethoxy)methane	93	5.305	5.306	-0.001	98	1105429	10.0	7.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.317	5.335	-0.018	88	229788	10.0	3.81	
36 2,4-Dichlorophenol	162	5.410	5.411	-0.001	97	799451	10.0	7.59	
37 1,2,4-Trichlorobenzene	180	5.480	5.479	0.001	94	906684	10.0	7.52	
* 38 Naphthalene-d8	136	5.535	5.533	0.002	99	2737825	8.00	8.00	
39 Naphthalene	128	5.554	5.555	-0.001	99	2862546	10.0	7.50	
40 4-Chloroaniline	127	5.612	5.613	-0.001	98	816703	10.0	5.70	
130 2,6-Dichlorophenol	162	5.618	5.619	-0.001	99	786725	10.0	7.56	
41 Hexachlorobutadiene	225	5.676	5.674	0.002	98	511984	10.0	7.83	
42 Caprolactam	113	5.934	5.933	0.001	96	50293	5.00	1.99	
43 4-Chloro-3-methylphenol	107	6.094	6.092	0.002	95	696465	10.0	7.23	
44 2-Methylnaphthalene	142	6.215	6.214	0.001	84	1843637	10.0	7.87	
45 1-Methylnaphthalene	142	6.308	6.310	-0.002	92	1675454	10.0	7.73	
46 Hexachlorocyclopentadiene	237	6.366	6.368	-0.002	98	348755	10.0	4.64	
47 1,2,4,5-Tetrachlorobenzene	216	6.375	6.374	0.001	98	874269	10.0	7.99	
48 2-tertbutyl-4-methylphenol	149	6.420	6.419	0.001	92	1146030	10.0	8.62	
49 2,4,6-Trichlorophenol	196	6.491	6.489	0.002	92	557600	10.0	8.33	
50 2,4,5-Trichlorophenol	196	6.532	6.531	0.001	98	592170	10.0	7.99	
$ 51 2-Fluorobiphenyl	172	6.571	6.569	0.002	97	2064364	10.0	8.36	
52 1,1'-Biphenyl	154	6.664	6.662	0.002	95	2148267	10.0	7.83	
53 2-Chloronaphthalene	162	6.680	6.678	0.002	98	1675808	10.0	7.79	
54 Phenyl ether	170	6.763	6.764	-0.001	84	1157595	10.0	7.94	
55 2-Nitroaniline	65	6.782	6.781	0.002	94	496208	10.0	7.52	
57 1,3-Dimethylnaphthalene	156	6.887	6.889	-0.002	92	1322930	10.0	8.07	
59 Dimethyl phthalate	163	6.961	6.960	0.001	99	1712483	10.0	7.96	
60 Coumarin	146	6.974	6.972	0.002	82	568771	10.0	8.06	
61 2,6-Dinitrotoluene	165	7.015	7.014	0.001	95	406543	10.0	8.26	
62 Acenaphthylene	152	7.073	7.072	0.001	97	2434447	10.0	7.34	
63 3-Nitroaniline	138	7.172	7.174	-0.002	97	325265	10.0	5.97	
* 64 Acenaphthene-d10	164	7.207	7.206	0.001	95	1321509	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.236	7.235	0.001	97	1421790	10.0	8.21	
66 Acenaphthene	154	7.236	7.235	0.001	96	1481931	10.0	7.81	
67 2,4-Dinitrophenol	184	7.271	7.270	0.001	96	447706	20.0	16.1	
68 4-Nitrophenol	65	7.361	7.363	-0.002	88	259855	20.0	8.17	
69 2,4-Dinitrotoluene	165	7.393	7.392	0.001	97	500297	10.0	8.27	
70 Dibenzofuran	168	7.403	7.401	0.002	96	2219487	10.0	7.81	
72 2,3,4,6-Tetrachlorophenol	232	7.524	7.523	0.001	95	448283	10.0	8.14	
73 Diethyl phthalate	149	7.633	7.632	0.001	99	1591026	10.0	8.05	
75 Fluorene	166	7.726	7.724	0.002	95	1700944	10.0	7.73	
74 4-Chlorophenyl phenyl ether	204	7.729	7.731	-0.002	91	843891	10.0	7.79	
76 4-Nitroaniline	138	7.758	7.756	0.002	85	347130	10.0	7.04	
77 4,6-Dinitro-2-methylphenol	198	7.780	7.779	0.001	91	589225	20.0	17.9	
78 N-Nitrosodiphenylamine	169	7.844	7.846	-0.002	96	1190489	10.0	7.81	
131 Azobenzene	77	7.883	7.881	0.002	0	1566215	10.0	7.54	
79 1,2-Diphenylhydrazine	77	7.883	7.881	0.002	94	1566215	10.0	7.54	
$ 80 2,4,6-Tribromophenol	330	7.956	7.955	0.001	91	413407	10.0	9.16	
81 4-Bromophenyl phenyl ether	248	8.193	8.192	0.001	95	494997	10.0	7.73	
82 Hexachlorobenzene	284	8.247	8.246	0.001	94	667894	10.0	8.06	
83 Atrazine	200	8.359	8.358	0.001	95	330479	5.00	7.08	E
84 Pentachlorophenol	266	8.439	8.441	-0.002	96	711369	20.0	17.0	
85 Pentachloronitrobenzene	237	8.449	8.448	0.001	92	199126	10.0	8.70	
86 n-Octadecane	57	8.535	8.534	0.001	90	952640	10.0	7.77	
* 87 Phenanthrene-d10	188	8.612	8.614	-0.002	98	2063503	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.638	8.637	0.001	98	2177329	10.0	7.76	
89 Anthracene	178	8.686	8.685	0.001	98	2214077	10.0	7.73	
90 Carbazole	167	8.843	8.845	-0.002	96	1929418	10.0	7.97	
91 Di-n-butyl phthalate	149	9.188	9.190	-0.002	99	2292746	10.0	9.19	
92 Fluoranthene	202	9.763	9.765	-0.002	97	2051004	10.0	8.22	
93 Benzidine	184	9.901	9.903	-0.002	99	498436	10.0	4.74	
94 Pyrene	202	9.978	9.980	-0.002	97	2142777	10.0	8.19	
95 Bisphenol-A	213	10.045	10.047	-0.002	99	318753	5.00	4.11	
$ 96 Terphenyl-d14	244	10.138	10.140	-0.002	97	1581522	10.0	7.80	
97 Butyl benzyl phthalate	149	10.643	10.645	-0.002	96	813222	10.0	9.57	
99 Carbamazepine	193	10.742	10.741	0.001	92	580444	10.0	8.30	
100 3,3'-Dichlorobenzidine	252	11.206	11.209	-0.003	98	623753	10.0	8.72	
101 Benzo[a]anthracene	228	11.222	11.225	-0.003	99	1720927	10.0	8.70	
* 102 Chrysene-d12	240	11.235	11.234	0.001	99	1280686	8.00	8.00	
104 Chrysene	228	11.264	11.263	0.001	98	1621470	10.0	8.55	
103 Bis(2-ethylhexyl) phthalate	149	11.302	11.302	0.000	86	1108290	10.0	9.42	
105 Di-n-octyl phthalate	149	12.131	12.131	0.000	96	1724090	10.0	9.13	
106 Benzo[b]fluoranthene	252	12.572	12.572	0.000	98	1698459	10.0	8.51	
107 Benzo[k]fluoranthene	252	12.611	12.611	0.000	99	1726671	10.0	8.44	
108 Benzo[a]pyrene	252	13.017	13.014	0.003	98	1538977	10.0	9.12	
* 109 Perylene-d12	264	13.097	13.094	0.003	98	1402070	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.627	14.625	0.002	99	1773455	10.0	9.47	
111 Dibenz(a,h)anthracene	278	14.672	14.670	0.002	98	1827541	10.0	8.72	
112 Benzo[g,h,i]perylene	276	15.043	15.042	0.001	98	1709704	10.0	7.87	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 07:55:50 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49371.d

Injection Date: 23-Mar-2024 16:32:30 Instrument ID: CBNAMS14 Operator ID:

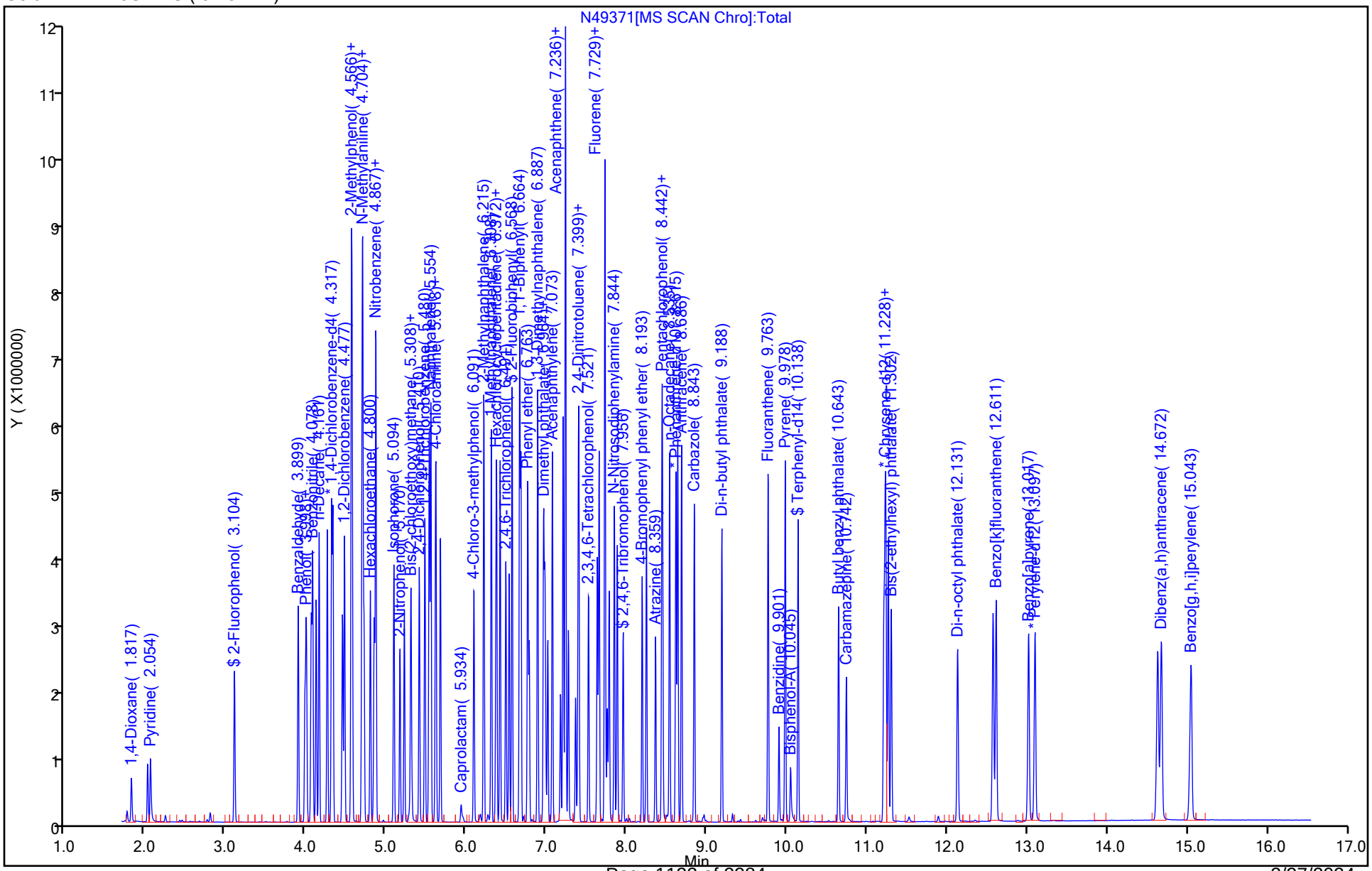
Lims ID: LCS 460-965565/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49371.d
Lims ID: LCS 460-965565/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Mar-2024 16:32:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-005
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 16:54:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.20	52.01
$ 6 Phenol-d5	10.0	3.98	39.81
$ 27 Nitrobenzene-d5	10.0	8.59	85.94
$ 51 2-Fluorobiphenyl	10.0	8.36	83.58
$ 80 2,4,6-Tribromophenol	10.0	9.16	91.55
$ 96 Terphenyl-d14	10.0	7.80	78.02

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	68.1		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	57.6		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	79.8		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	77.2		10	0.75
95-95-4	2,4,5-Trichlorophenol	72.7		10	0.88
88-06-2	2,4,6-Trichlorophenol	77.3		10	0.86
120-83-2	2,4-Dichlorophenol	71.7		10	1.1
105-67-9	2,4-Dimethylphenol	51.3		10	0.62
51-28-5	2,4-Dinitrophenol	153		40	2.6
121-14-2	2,4-Dinitrotoluene	105		10	1.0
606-20-2	2,6-Dinitrotoluene	92.4		2.0	0.83
91-58-7	2-Chloronaphthalene	65.1		10	1.2
95-57-8	2-Chlorophenol	62.0		10	0.38
91-57-6	2-Methylnaphthalene	59.6		10	0.53
95-48-7	2-Methylphenol	58.4		10	0.67
88-74-4	2-Nitroaniline	96.5		10	0.47
88-75-5	2-Nitrophenol	76.0		10	0.75
91-94-1	3,3'-Dichlorobenzidine	88.7		10	1.4
99-09-2	3-Nitroaniline	69.4		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	164		20	3.0
101-55-3	4-Bromophenyl phenyl ether	76.2		10	0.75
59-50-7	4-Chloro-3-methylphenol	69.0		10	0.58
106-47-8	4-Chloroaniline	65.3		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	83.6		10	1.3
106-44-5	4-Methylphenol	51.0		10	0.65
100-01-6	4-Nitroaniline	87.0		10	1.2
100-02-7	4-Nitrophenol	83.0		20	4.0
83-32-9	Acenaphthene	82.6		10	1.1
208-96-8	Acenaphthylene	73.7		10	0.82
98-86-2	Acetophenone	91.8		10	2.3
120-12-7	Anthracene	87.9		10	1.3
1912-24-9	Atrazine	52.4		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	48.7		10	2.1
56-55-3	Benzo[a]anthracene	92.2		1.0	0.59
50-32-8	Benzo[a]pyrene	91.5		1.0	0.41
205-99-2	Benzo[b]fluoranthene	88.2		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	81.0		10	0.70
207-08-9	Benzo[k]fluoranthene	89.6		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	80.6		10	0.59
111-44-4	Bis(2-chloroethyl)ether	80.7		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	109		2.0	0.80
85-68-7	Butyl benzyl phthalate	103		10	0.85
105-60-2	Caprolactam	11.2		10	2.2
86-74-8	Carbazole	91.8		10	0.68
218-01-9	Chrysene	90.6		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	86.7		1.0	0.72
132-64-9	Dibenzofuran	82.8		10	1.1
84-66-2	Diethyl phthalate	88.9		10	0.98
131-11-3	Dimethyl phthalate	89.3		10	0.77
84-74-2	Di-n-butyl phthalate	98.5		10	0.84
117-84-0	Di-n-octyl phthalate	105		10	0.75
206-44-0	Fluoranthene	92.9		10	0.84
86-73-7	Fluorene	87.2		10	0.91
118-74-1	Hexachlorobenzene	81.4		1.0	0.40
87-68-3	Hexachlorobutadiene	38.2		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	20.8		10	3.6
67-72-1	Hexachloroethane	37.9		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	94.5		2.0	0.94
78-59-1	Isophorone	88.5		10	0.80
91-20-3	Naphthalene	58.0		2.0	0.54
98-95-3	Nitrobenzene	88.0		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	93.0		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	82.9		10	0.89
87-86-5	Pentachlorophenol	168		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965454/18-A

Matrix: Water | Lab File ID: P84292.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 00:11

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965547 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	88.0		10	1.3
108-95-2	Phenol	32.7		10	0.29
129-00-0	Pyrene	92.3		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	102		37-150
321-60-8	2-Fluorobiphenyl	89		46-139
367-12-4	2-Fluorophenol (Surr)	54		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	109		51-145
4165-62-2	Phenol-d5 (Surr)	40		10-56
1718-51-0	Terphenyl-d14 (Surr)	79		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D
Lims ID: LCSD 460-965454/18-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 00:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:31:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.608	1.614	-0.006	93	88311	10.0	4.89	
	2 N-Nitrosodimethylamine	74	1.815	1.822	-0.007	88	145453	10.0	5.31	
	3 Pyridine	79	1.850	1.847	0.003	95	144929	20.0	3.42	
$	4 2-Fluorophenol	112	2.907	2.907	0.000	96	227323	10.0	5.44	
	5 Benzaldehyde	77	3.711	3.715	-0.004	95	194965	5.00	6.09	E
$	6 Phenol-d5	99	3.807	3.811	-0.004	98	200460	10.0	4.04	
	8 Aniline	93	3.820	3.820	0.000	86	326679	10.0	5.45	
	7 Phenol	94	3.820	3.823	-0.003	84	233131	10.0	4.09	
	9 Bis(2-chloroethyl)ether	93	3.881	3.884	-0.003	100	444871	10.0	10.1	
	10 Benzonitrile	103	3.894	3.897	-0.003	98	889240	NC	NC	
	11 2-Chlorophenol	128	3.938	3.942	-0.004	97	359234	10.0	7.75	
	12 n-Decane	43	3.980	3.980	0.000	87	153549	10.0	4.09	
	13 1,3-Dichlorobenzene	146	4.076	4.079	-0.003	96	263032	10.0	4.98	
*	14 1,4-Dichlorobenzene-d4	152	4.133	4.133	0.000	95	261565	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.149	4.149	0.000	96	280392	10.0	5.20	
	17 Benzyl alcohol	108	4.277	4.277	0.000	95	214322	10.0	7.25	
	18 1,2-Dichlorobenzene	146	4.293	4.296	-0.003	97	279626	10.0	5.47	
	20 2-Methylphenol	108	4.402	4.402	0.000	88	298681	10.0	7.30	
	21 2,2'-oxybis[1-chloropropane]	45	4.398	4.405	-0.007	90	468452	10.0	9.98	
	22 N-Methylaniline	106	4.520	4.520	0.000	98	617472	10.0	9.50	
	23 Acetophenone	105	4.526	4.530	-0.004	93	732544	10.0	11.5	
	24 N-Nitrosodi-n-propylamine	70	4.529	4.533	-0.004	86	334545	10.0	11.6	
	26 4-Methylphenol	108	4.552	4.555	-0.003	98	279459	10.0	6.38	
	25 3 & 4 Methylphenol	108	4.552	4.555	-0.003	61	279459	10.0	6.38	
	27 Hexachloroethane	117	4.616	4.616	0.000	94	87086	10.0	4.74	
$	28 Nitrobenzene-d5	82	4.670	4.670	0.000	87	471583	10.0	10.9	
	29 Nitrobenzene	123	4.689	4.693	-0.004	94	251422	10.0	11.0	
	30 n,n'-Dimethylaniline	120	4.692	4.693	-0.001	84	639068	10.0	8.99	
	31 Isophorone	82	4.919	4.923	-0.004	99	881770	10.0	11.1	
	32 2-Nitrophenol	139	4.996	4.996	0.000	95	244845	10.0	9.50	
	33 2,4-Dimethylphenol	122	5.057	5.060	-0.003	92	252706	10.0	6.41	
	34 Bis(2-chloroethoxy)methane	93	5.140	5.140	0.000	98	558725	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.149	5.169	-0.020	92	100279	10.0	3.93	
36 2,4-Dichlorophenol	162	5.239	5.239	0.000	96	356234	10.0	8.96	
37 1,2,4-Trichlorobenzene	180	5.306	5.306	0.000	94	235299	10.0	5.23	
* 38 Naphthalene-d8	136	5.357	5.357	0.000	99	1068234	8.00	8.00	
39 Naphthalene	128	5.376	5.376	0.000	99	1058296	10.0	7.24	
40 4-Chloroaniline	127	5.443	5.444	-0.001	98	432544	10.0	8.16	
41 2,6-Dichlorophenol	162	5.447	5.447	0.000	97	374326	10.0	9.38	
42 Hexachlorobutadiene	225	5.501	5.501	0.000	95	118488	10.0	4.77	
44 Caprolactam	113	5.763	5.766	-0.003	94	13663	5.00	1.40	
45 4-Chloro-3-methylphenol	107	5.929	5.932	-0.003	96	323419	10.0	8.62	
46 2-Methylnaphthalene	142	6.041	6.041	0.000	84	700363	10.0	7.44	
47 1-Methylnaphthalene	142	6.134	6.134	0.000	93	664360	10.0	7.53	
48 Hexachlorocyclopentadiene	237	6.194	6.195	-0.001	96	78998	10.0	2.60	
49 1,2,4,5-Tetrachlorobenzene	216	6.201	6.201	0.000	97	326955	10.0	7.20	
50 2-tertbutyl-4-methylphenol	149	6.255	6.255	0.000	91	626416	10.0	11.7	
51 2,4,6-Trichlorophenol	196	6.322	6.323	-0.001	91	271824	10.0	9.66	
52 2,4,5-Trichlorophenol	196	6.364	6.364	0.000	97	281344	10.0	9.09	
$ 53 2-Fluorobiphenyl	172	6.396	6.396	0.000	97	952715	10.0	8.92	
54 1,1'-Biphenyl	154	6.489	6.489	0.000	96	1019453	10.0	8.52	
55 2-Chloronaphthalene	162	6.501	6.502	-0.001	99	755542	10.0	8.13	
56 Phenyl ether	170	6.591	6.591	0.000	85	534468	10.0	8.47	
57 2-Nitroaniline	65	6.613	6.610	0.003	92	253117	10.0	12.1	
58 1,3-Dimethylnaphthalene	156	6.712	6.713	-0.001	91	645013	10.0	9.08	
59 Dimethyl phthalate	163	6.796	6.796	0.000	99	1090436	10.0	11.2	
60 Coumarin	146	6.802	6.802	0.000	82	350389	10.0	11.6	
61 2,6-Dinitrotoluene	165	6.847	6.847	0.000	96	237857	10.0	11.6	
62 Acenaphthylene	152	6.895	6.892	0.003	97	1333484	10.0	9.22	
63 3-Nitroaniline	138	7.004	7.004	0.000	98	196426	10.0	8.68	
* 64 Acenaphthene-d10	164	7.029	7.029	0.000	95	578694	8.00	8.00	
65 Acenaphthene	154	7.058	7.058	0.000	96	891891	10.0	10.3	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	0.000	97	743470	10.0	9.36	
67 2,4-Dinitrophenol	184	7.103	7.103	0.000	96	251327	20.0	19.2	
68 4-Nitrophenol	65	7.202	7.205	-0.003	92	153892	20.0	10.4	
69 2,4-Dinitrotoluene	165	7.224	7.224	0.000	72	336283	10.0	13.1	
70 Dibenzofuran	168	7.224	7.224	0.000	96	1339094	10.0	10.4	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	0.000	93	237848	10.0	9.65	
72 Diethyl phthalate	149	7.464	7.464	0.000	98	1054287	10.0	11.1	
73 Fluorene	166	7.547	7.547	0.000	94	1113624	10.0	10.9	
74 4-Chlorophenyl phenyl ether	204	7.557	7.554	0.003	91	520904	10.0	10.5	
75 4-Nitroaniline	138	7.586	7.583	0.003	86	221178	10.0	10.9	
76 4,6-Dinitro-2-methylphenol	198	7.612	7.608	0.004	87	348471	20.0	20.5	
77 N-Nitrosodiphenylamine	169	7.672	7.672	0.000	98	752205	10.0	10.4	
78 1,2-Diphenylhydrazine	77	7.708	7.704	0.004	100	1041602	10.0	11.0	
131 Azobenzene	77	7.708	7.704	0.004	0	1041602	10.0	11.0	
$ 79 2,4,6-Tribromophenol	330	7.778	7.775	0.003	93	185186	10.0	10.2	
80 4-Bromophenyl phenyl ether	248	8.015	8.014	0.001	91	286796	10.0	9.53	
82 Hexachlorobenzene	284	8.066	8.066	0.000	97	373569	10.0	10.2	
83 Atrazine	200	8.188	8.187	0.001	94	144791	5.00	6.55	E
84 Pentachlorophenol	266	8.264	8.261	0.003	95	439276	20.0	20.9	
85 Pentachloronitrobenzene	237	8.271	8.267	0.004	88	141375	10.0	12.3	
87 n-Octadecane	57	8.364	8.363	0.001	90	607321	10.0	10.3	
* 88 Phenanthrene-d10	188	8.431	8.427	0.004	98	1029815	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Phenanthrene	178	8.453	8.450	0.003	97	1553053	10.0	11.0	
90 Anthracene	178	8.501	8.498	0.003	98	1562190	10.0	11.0	
91 Carbazole	167	8.662	8.661	0.001	96	1407809	10.0	11.5	
92 Di-n-butyl phthalate	149	9.014	9.012	0.002	99	1767493	10.0	12.3	
93 Fluoranthene	202	9.574	9.572	0.002	97	1558334	10.0	11.6	
94 Benzidine	184	9.718	9.715	0.003	99	411797	10.0	6.68	
95 Pyrene	202	9.785	9.783	0.002	97	1627676	10.0	11.5	
96 Bisphenol-A	213	9.862	9.863	-0.001	98	206751	5.00	4.05	
$ 97 Terphenyl-d14	244	9.952	9.949	0.003	97	879576	10.0	7.89	
98 Butyl benzyl phthalate	149	10.444	10.445	-0.001	97	679432	10.0	12.8	
100 Carbamazepine	193	10.537	10.534	0.003	92	463600	10.0	11.0	
101 3,3'-Dichlorobenzidine	252	10.985	10.986	-0.001	100	471734	10.0	11.1	
102 Benzo[a]anthracene	228	10.995	10.995	0.000	99	1377390	10.0	11.5	
* 103 Chrysene-d12	240	11.005	11.005	0.000	99	732373	8.00	8.00	
104 Chrysene	228	11.033	11.031	0.002	98	1263241	10.0	11.3	
105 Bis(2-ethylhexyl) phthalate	149	11.085	11.085	0.000	85	958967	10.0	13.6	
106 Di-n-octyl phthalate	149	11.878	11.875	0.003	96	1525857	10.0	13.1	
107 Benzo[b]fluoranthene	252	12.285	12.285	0.000	98	1215172	10.0	11.0	
108 Benzo[k]fluoranthene	252	12.324	12.320	0.004	99	1262331	10.0	11.2	
109 Benzo[a]pyrene	252	12.711	12.708	0.003	97	1102877	10.0	11.4	
* 110 Perylene-d12	264	12.788	12.784	0.004	99	716722	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.254	14.251	0.003	99	1182324	10.0	11.8	
112 Dibenz(a,h)anthracene	278	14.295	14.293	0.002	97	1190392	10.0	10.8	
113 Benzo[g,h,i]perylene	276	14.632	14.629	0.003	97	1126926	10.0	10.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 08:16:14 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D

Injection Date: 23-Mar-2024 00:11:30 Instrument ID: CBNAMS18 Operator ID:

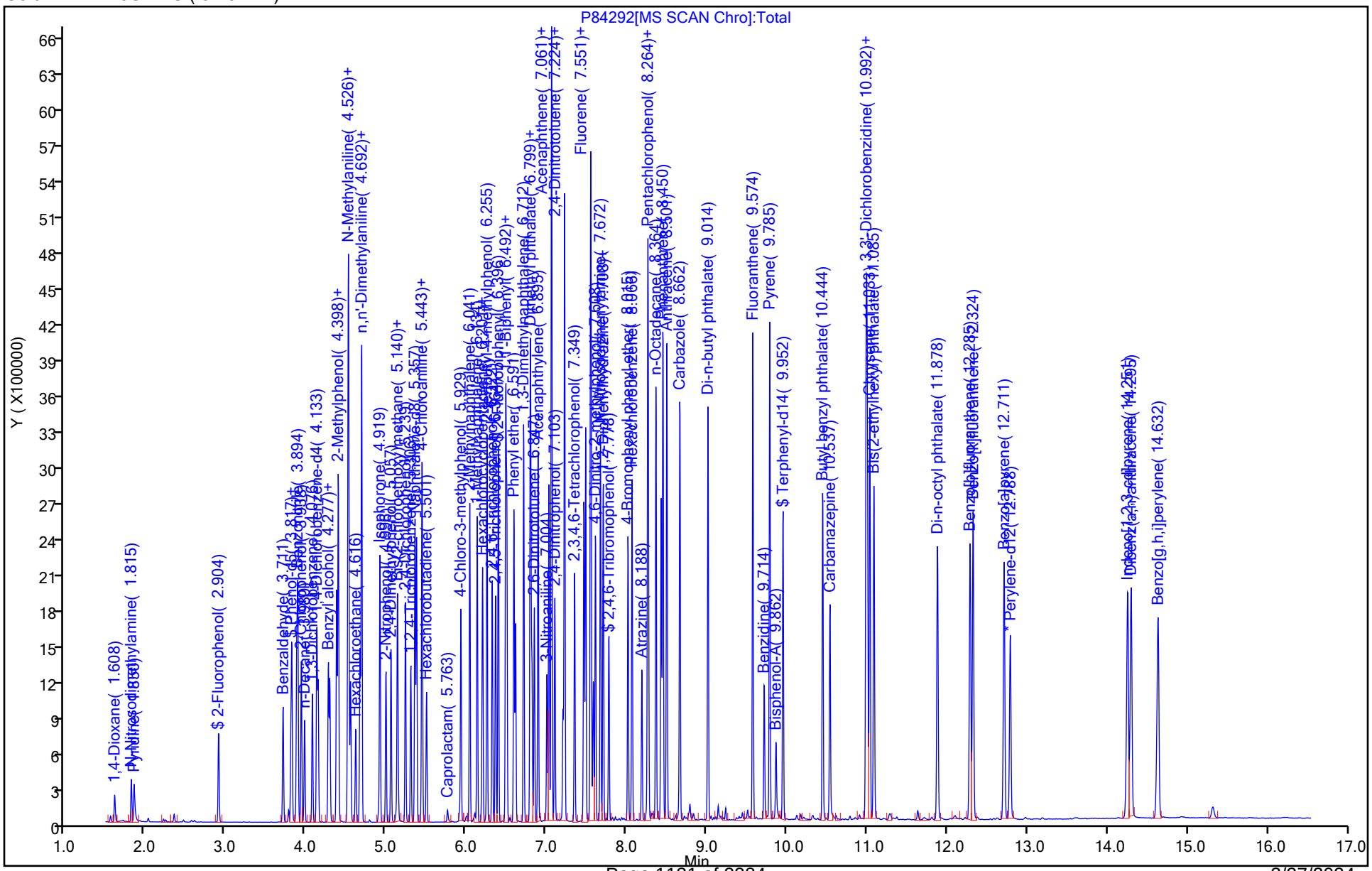
Lims ID: LCSD 460-965454/18-A Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_18 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\P84292.D
Lims ID: LCSD 460-965454/18-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 00:11:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173714-006
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173714.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:13:31 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 23-Mar-2024 00:31:58

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.44	54.43
$ 6 Phenol-d5	10.0	4.04	40.41
$ 28 Nitrobenzene-d5	10.0	10.9	108.99
$ 53 2-Fluorobiphenyl	10.0	8.92	89.20
$ 79 2,4,6-Tribromophenol	10.0	10.2	101.69
$ 97 Terphenyl-d14	10.0	7.89	78.87

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965565/3-A

Matrix: Water | Lab File ID: N49372.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	62.8		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	64.0		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	57.1		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	64.5		10	0.75
95-95-4	2,4,5-Trichlorophenol	63.4		10	0.88
88-06-2	2,4,6-Trichlorophenol	66.7		10	0.86
120-83-2	2,4-Dichlorophenol	60.6		10	1.1
105-67-9	2,4-Dimethylphenol	43.7		10	0.62
51-28-5	2,4-Dinitrophenol	129		40	2.6
121-14-2	2,4-Dinitrotoluene	65.4		10	1.0
606-20-2	2,6-Dinitrotoluene	65.2		2.0	0.83
91-58-7	2-Chloronaphthalene	63.0		10	1.2
95-57-8	2-Chlorophenol	53.5		10	0.38
91-57-6	2-Methylnaphthalene	62.6		10	0.53
95-48-7	2-Methylphenol	47.4		10	0.67
88-74-4	2-Nitroaniline	59.9		10	0.47
88-75-5	2-Nitrophenol	62.4		10	0.75
91-94-1	3,3'-Dichlorobenzidine	72.6		10	1.4
99-09-2	3-Nitroaniline	47.7		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	143		20	3.0
101-55-3	4-Bromophenyl phenyl ether	62.1		10	0.75
59-50-7	4-Chloro-3-methylphenol	57.3		10	0.58
106-47-8	4-Chloroaniline	45.0		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	62.9		10	1.3
106-44-5	4-Methylphenol	42.9		10	0.65
100-01-6	4-Nitroaniline	57.1		10	1.2
100-02-7	4-Nitrophenol	64.5		20	4.0
83-32-9	Acenaphthene	62.2		10	1.1
208-96-8	Acenaphthylene	58.9		10	0.82
98-86-2	Acetophenone	60.1		10	2.3
120-12-7	Anthracene	62.3		10	1.3
1912-24-9	Atrazine	57.3		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965565/3-A

Matrix: Water | Lab File ID: N49372.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	47.8		10	2.1
56-55-3	Benzo[a]anthracene	70.4		1.0	0.59
50-32-8	Benzo[a]pyrene	72.7		1.0	0.41
205-99-2	Benzo[b]fluoranthene	68.0		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	63.7		10	0.70
207-08-9	Benzo[k]fluoranthene	67.1		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	59.5		10	0.59
111-44-4	Bis(2-chloroethyl)ether	59.5		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	75.6		2.0	0.80
85-68-7	Butyl benzyl phthalate	76.2		10	0.85
105-60-2	Caprolactam	15.1		10	2.2
86-74-8	Carbazole	64.3		10	0.68
218-01-9	Chrysene	69.1		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	71.0		1.0	0.72
132-64-9	Dibenzofuran	62.1		10	1.1
84-66-2	Diethyl phthalate	64.1		10	0.98
131-11-3	Dimethyl phthalate	63.1		10	0.77
84-74-2	Di-n-butyl phthalate	74.6		10	0.84
117-84-0	Di-n-octyl phthalate	72.0		10	0.75
206-44-0	Fluoranthene	66.8		10	0.84
86-73-7	Fluorene	61.4		10	0.91
118-74-1	Hexachlorobenzene	65.4		1.0	0.40
87-68-3	Hexachlorobutadiene	62.6		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	38.2		10	3.6
67-72-1	Hexachloroethane	57.4		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	76.5		2.0	0.94
78-59-1	Isophorone	61.3		10	0.80
91-20-3	Naphthalene	59.5		2.0	0.54
98-95-3	Nitrobenzene	60.4		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	60.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	63.3		10	0.89
87-86-5	Pentachlorophenol	137		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965565/3-A

Matrix: Water | Lab File ID: N49372.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 16:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	62.2		10	1.3
108-95-2	Phenol	28.5		10	0.29
129-00-0	Pyrene	64.7		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	90		37-150
321-60-8	2-Fluorobiphenyl	85		46-139
367-12-4	2-Fluorophenol (Surr)	52		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	86		51-145
4165-62-2	Phenol-d5 (Surr)	40		10-56
1718-51-0	Terphenyl-d14 (Surr)	77		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49372.d
Lims ID: LCSD 460-965565/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 16:56:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-006
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:39:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.811	1.801	0.010	91	245930	10.0	4.39	
	2 N-Nitrosodimethylamine	74	2.015	2.009	0.006	96	384642	10.0	4.52	
	3 Pyridine	79	2.051	2.038	0.013	96	385271	20.0	3.00	
$	4 2-Fluorophenol	112	3.101	3.098	0.003	97	675494	10.0	5.19	
	5 Benzaldehyde	77	3.899	3.896	0.003	96	644698	5.00	5.98	E
$	6 Phenol-d5	99	3.982	3.983	-0.001	94	604028	10.0	3.96	
	7 Phenol	94	3.995	3.995	0.000	97	643139	10.0	3.56	
	8 Aniline	93	4.004	4.002	0.002	98	803380	10.0	4.10	
	9 Bis(2-chloroethyl)ether	93	4.062	4.063	-0.001	98	986285	10.0	7.44	
	10 Benzonitrile	103	4.078	4.082	-0.004	97	1938714	NC	NC	
	11 2-Chlorophenol	128	4.122	4.123	-0.001	98	923327	10.0	6.68	
	12 n-Decane	43	4.161	4.158	0.003	88	749472	10.0	6.20	
	13 1,3-Dichlorobenzene	146	4.263	4.261	0.002	96	1084981	10.0	7.01	
*	14 1,4-Dichlorobenzene-d4	152	4.317	4.315	0.002	94	769424	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.333	4.331	0.002	95	1102625	10.0	7.07	
	16 Benzyl alcohol	108	4.452	4.452	0.000	96	524959	10.0	6.44	
	17 1,2-Dichlorobenzene	146	4.477	4.475	0.002	97	1038784	10.0	7.11	
	18 2-Methylphenol	108	4.570	4.571	-0.001	84	691045	10.0	5.92	
	19 2,2'-oxybis[1-chloropropane]	45	4.573	4.577	-0.004	94	1023945	10.0	7.14	
	20 N-Methylaniline	106	4.695	4.695	-0.001	96	1205058	10.0	6.43	a
	22 N-Nitrosodi-n-propylamine	70	4.704	4.705	-0.001	70	629681	10.0	7.57	
	21 Acetophenone	105	4.704	4.705	-0.001	92	1337877	10.0	7.51	
	23 3 & 4 Methylphenol	108	4.720	4.721	-0.001	82	700171	10.0	5.36	
	24 4-Methylphenol	108	4.720	4.721	-0.001	97	700171	10.0	5.36	
	25 Hexachloroethane	117	4.800	4.798	0.002	94	398281	10.0	7.17	
$	27 Nitrobenzene-d5	82	4.848	4.849	-0.001	84	1049660	10.0	8.56	
	28 Nitrobenzene	123	4.867	4.868	-0.001	96	479510	10.0	7.55	
	29 n,n'-Dimethylaniline	120	4.870	4.868	0.002	94	1218529	10.0	6.29	
	30 Isophorone	82	5.094	5.095	-0.001	99	1652379	10.0	7.66	
	32 2-Nitrophenol	139	5.171	5.168	0.003	96	534296	10.0	7.80	
	33 2,4-Dimethylphenol	122	5.225	5.223	0.002	92	559599	10.0	5.46	
	34 Bis(2-chloroethoxy)methane	93	5.308	5.306	0.002	98	1071198	10.0	7.43	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.318	5.335	-0.017	88	223412	10.0	3.81	
36 2,4-Dichlorophenol	162	5.410	5.411	-0.001	97	774600	10.0	7.58	
37 1,2,4-Trichlorobenzene	180	5.481	5.479	0.002	95	882063	10.0	7.54	
* 38 Naphthalene-d8	136	5.535	5.533	0.002	99	2658339	8.00	8.00	
39 Naphthalene	128	5.554	5.555	-0.001	99	2758551	10.0	7.44	
40 4-Chloroaniline	127	5.612	5.613	-0.001	98	782167	10.0	5.63	
130 2,6-Dichlorophenol	162	5.618	5.619	-0.001	98	758510	10.0	7.51	
41 Hexachlorobutadiene	225	5.676	5.674	0.002	97	496456	10.0	7.82	
42 Caprolactam	113	5.931	5.933	-0.002	94	46331	5.00	1.89	
43 4-Chloro-3-methylphenol	107	6.091	6.092	-0.001	95	669555	10.0	7.16	
44 2-Methylnaphthalene	142	6.216	6.214	0.002	85	1779642	10.0	7.83	
45 1-Methylnaphthalene	142	6.312	6.310	0.002	92	1599283	10.0	7.60	
46 Hexachlorocyclopentadiene	237	6.366	6.368	-0.002	98	342205	10.0	4.77	
47 1,2,4,5-Tetrachlorobenzene	216	6.376	6.374	0.002	98	836705	10.0	8.01	
48 2-tertbutyl-4-methylphenol	149	6.421	6.419	0.002	92	1109126	10.0	8.59	
49 2,4,6-Trichlorophenol	196	6.491	6.489	0.002	91	533046	10.0	8.34	
50 2,4,5-Trichlorophenol	196	6.533	6.531	0.002	98	560894	10.0	7.93	
$ 51 2-Fluorobiphenyl	172	6.571	6.569	0.002	97	1993395	10.0	8.45	
52 1,1'-Biphenyl	154	6.664	6.662	0.002	96	2057548	10.0	7.85	
53 2-Chloronaphthalene	162	6.680	6.678	0.002	98	1616851	10.0	7.87	
54 Phenyl ether	170	6.766	6.764	0.002	84	1104374	10.0	7.93	
55 2-Nitroaniline	65	6.782	6.781	0.002	95	471621	10.0	7.49	
57 1,3-Dimethylnaphthalene	156	6.891	6.889	0.002	92	1272007	10.0	8.13	
59 Dimethyl phthalate	163	6.961	6.960	0.001	99	1621397	10.0	7.89	
60 Coumarin	146	6.977	6.972	0.005	81	534916	10.0	7.81	
61 2,6-Dinitrotoluene	165	7.016	7.014	0.002	96	382900	10.0	8.15	
62 Acenaphthylene	152	7.073	7.072	0.001	98	2331657	10.0	7.36	
63 3-Nitroaniline	138	7.176	7.174	0.002	97	310170	10.0	5.96	
* 64 Acenaphthene-d10	164	7.208	7.206	0.002	95	1261709	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.236	7.235	0.001	97	1365755	10.0	8.26	
66 Acenaphthene	154	7.240	7.235	0.005	96	1408349	10.0	7.77	
67 2,4-Dinitrophenol	184	7.275	7.270	0.005	95	429746	20.0	16.2	
68 4-Nitrophenol	65	7.361	7.363	-0.002	88	244954	20.0	8.06	
69 2,4-Dinitrotoluene	165	7.393	7.392	0.001	97	472072	10.0	8.17	
70 Dibenzofuran	168	7.403	7.401	0.002	96	2105982	10.0	7.76	
72 2,3,4,6-Tetrachlorophenol	232	7.524	7.523	0.001	95	423895	10.0	8.06	
73 Diethyl phthalate	149	7.633	7.632	0.001	99	1513035	10.0	8.01	
75 Fluorene	166	7.729	7.724	0.005	95	1612639	10.0	7.67	
74 4-Chlorophenyl phenyl ether	204	7.732	7.731	0.001	91	812992	10.0	7.86	
76 4-Nitroaniline	138	7.758	7.756	0.002	86	336110	10.0	7.14	
77 4,6-Dinitro-2-methylphenol	198	7.780	7.779	0.001	90	550974	20.0	17.9	
78 N-Nitrosodiphenylamine	169	7.848	7.846	0.002	96	1128685	10.0	7.91	
131 Azobenzene	77	7.883	7.881	0.002	0	1476429	10.0	7.59	
79 1,2-Diphenylhydrazine	77	7.883	7.881	0.002	94	1474140	10.0	7.58	
$ 80 2,4,6-Tribromophenol	330	7.956	7.955	0.001	90	388928	10.0	9.02	
81 4-Bromophenyl phenyl ether	248	8.196	8.192	0.004	95	465728	10.0	7.77	
82 Hexachlorobenzene	284	8.247	8.246	0.001	94	634125	10.0	8.17	
83 Atrazine	200	8.363	8.358	0.005	95	313247	5.00	7.16	E
84 Pentachlorophenol	266	8.443	8.441	0.002	96	671526	20.0	17.1	
85 Pentachloronitrobenzene	237	8.449	8.448	0.001	92	187165	10.0	8.73	
86 n-Octadecane	57	8.536	8.534	0.002	90	910994	10.0	7.94	
* 87 Phenanthrene-d10	188	8.616	8.614	0.002	98	1932532	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.638	8.637	0.001	98	2043434	10.0	7.78	
89 Anthracene	178	8.686	8.685	0.001	98	2089535	10.0	7.79	
90 Carbazole	167	8.846	8.845	0.001	96	1821489	10.0	8.03	
91 Di-n-butyl phthalate	149	9.191	9.190	0.001	99	2179068	10.0	9.32	
92 Fluoranthene	202	9.767	9.765	0.002	97	1950670	10.0	8.35	
93 Benzidine	184	9.904	9.903	0.001	99	497576	10.0	5.05	
94 Pyrene	202	9.981	9.980	0.001	97	2023814	10.0	8.09	
95 Bisphenol-A	213	10.048	10.047	0.001	99	309032	5.00	4.16	
$ 96 Terphenyl-d14	244	10.141	10.140	0.001	98	1486986	10.0	7.67	
97 Butyl benzyl phthalate	149	10.647	10.645	0.002	96	774214	10.0	9.53	
99 Carbamazepine	193	10.746	10.741	0.005	92	585581	10.0	8.72	
100 3,3'-Dichlorobenzidine	252	11.209	11.209	0.000	98	621282	10.0	9.07	
101 Benzo[a]anthracene	228	11.226	11.225	0.001	99	1664191	10.0	8.79	
* 102 Chrysene-d12	240	11.238	11.234	0.004	99	1225377	8.00	8.00	
104 Chrysene	228	11.267	11.263	0.004	98	1567311	10.0	8.63	
103 Bis(2-ethylhexyl) phthalate	149	11.306	11.302	0.004	86	1063565	10.0	9.45	
105 Di-n-octyl phthalate	149	12.134	12.131	0.003	96	1678447	10.0	9.00	
106 Benzo[b]fluoranthene	252	12.576	12.572	0.004	98	1673973	10.0	8.50	
107 Benzo[k]fluoranthene	252	12.614	12.611	0.003	99	1692610	10.0	8.38	
108 Benzo[a]pyrene	252	13.020	13.014	0.006	98	1514065	10.0	9.09	
* 109 Perylene-d12	264	13.101	13.094	0.007	99	1383920	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.630	14.625	0.005	99	1766984	10.0	9.56	
111 Dibenz(a,h)anthracene	278	14.675	14.670	0.005	98	1835039	10.0	8.87	
112 Benzo[g,h,i]perylene	276	15.047	15.042	0.005	98	1705484	10.0	7.96	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 25-Mar-2024 07:56:54 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49372.d

Injection Date: 23-Mar-2024 16:56:30 Instrument ID: CBNAMS14 Operator ID:

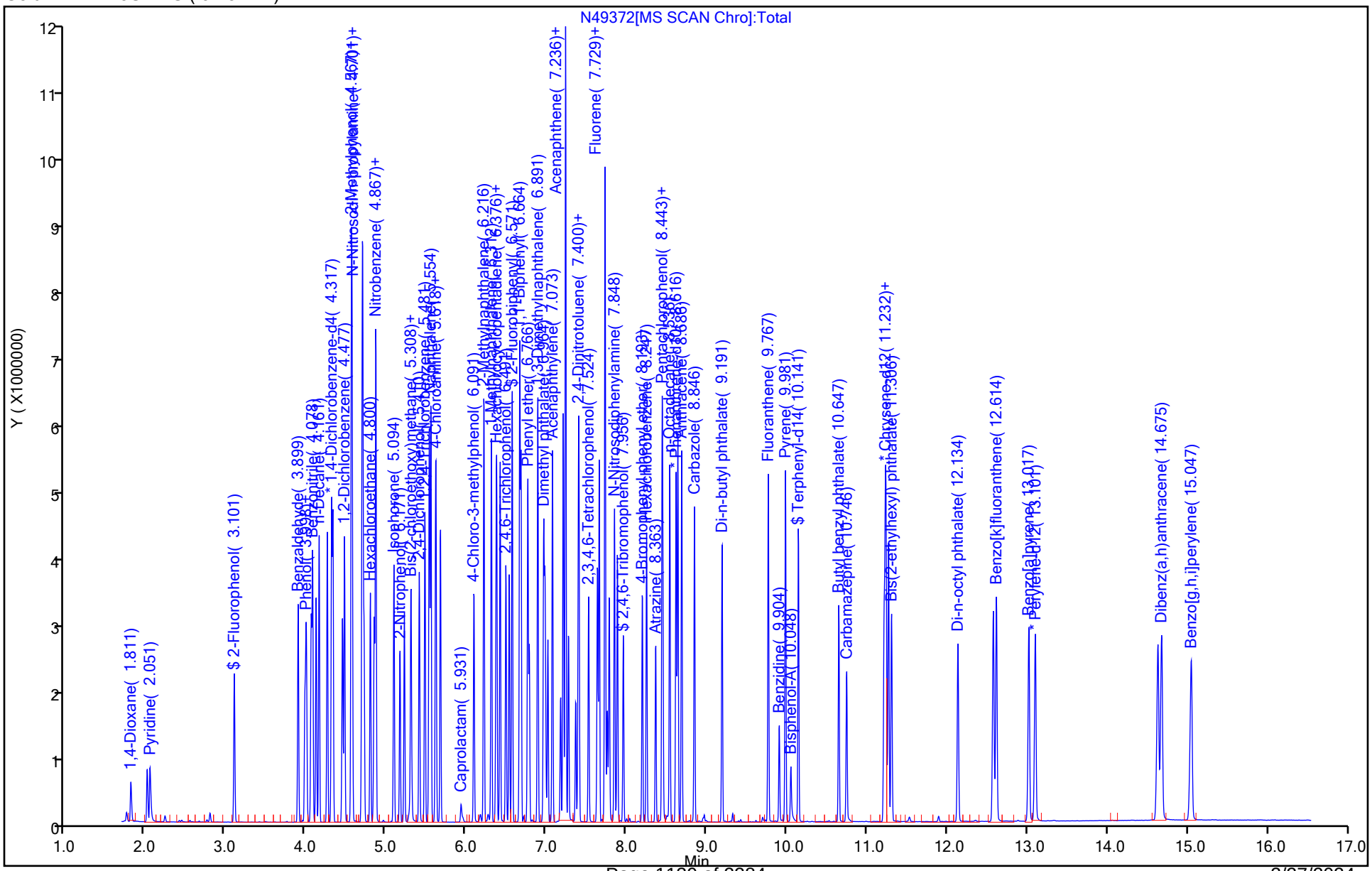
Lims ID: LCSD 460-965565/3-A Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_14 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49372.d
Lims ID: LCSD 460-965565/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 23-Mar-2024 16:56:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-006
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:39:21

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	5.19	51.93
$ 6 Phenol-d5	10.0	3.96	39.61
$ 27 Nitrobenzene-d5	10.0	8.56	85.57
$ 51 2-Fluorobiphenyl	10.0	8.45	84.53
$ 80 2,4,6-Tribromophenol	10.0	9.02	90.21
$ 96 Terphenyl-d14	10.0	7.67	76.67

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-D-2-C MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	46.0		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	42.5		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	45.9		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	48.9		10	0.75
95-95-4	2,4,5-Trichlorophenol	46.4		10	0.88
88-06-2	2,4,6-Trichlorophenol	49.4		10	0.86
120-83-2	2,4-Dichlorophenol	47.9		10	1.1
105-67-9	2,4-Dimethylphenol	32.0		10	0.62
51-28-5	2,4-Dinitrophenol	107		40	2.6
121-14-2	2,4-Dinitrotoluene	59.0		10	1.0
606-20-2	2,6-Dinitrotoluene	51.7		2.0	0.83
91-58-7	2-Chloronaphthalene	43.8		10	1.2
95-57-8	2-Chlorophenol	48.6		10	0.38
91-57-6	2-Methylnaphthalene	45.5		10	0.53
95-48-7	2-Methylphenol	39.2		10	0.67
88-74-4	2-Nitroaniline	56.4		10	0.47
88-75-5	2-Nitrophenol	48.0		10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	29.6		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	106		20	3.0
101-55-3	4-Bromophenyl phenyl ether	43.5		10	0.75
59-50-7	4-Chloro-3-methylphenol	46.6		10	0.58
106-47-8	4-Chloroaniline	5.53	J	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	47.2		10	1.3
106-44-5	4-Methylphenol	35.8		10	0.65
100-01-6	4-Nitroaniline	47.7		10	1.2
100-02-7	4-Nitrophenol	68.1		20	4.0
83-32-9	Acenaphthene	50.6		10	1.1
208-96-8	Acenaphthylene	45.1		10	0.82
98-86-2	Acetophenone	48.4		10	2.3
120-12-7	Anthracene	49.0		10	1.3
1912-24-9	Atrazine	75.4		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-D-2-C MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	74.4		10	2.1
56-55-3	Benzo[a]anthracene	51.2		1.0	0.59
50-32-8	Benzo[a]pyrene	51.3		1.0	0.41
205-99-2	Benzo[b]fluoranthene	48.9		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	44.2		10	0.70
207-08-9	Benzo[k]fluoranthene	49.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	46.1		10	0.59
111-44-4	Bis(2-chloroethyl)ether	44.9		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	64.6		2.0	0.80
85-68-7	Butyl benzyl phthalate	59.4		10	0.85
105-60-2	Caprolactam	20.1		10	2.2
86-74-8	Carbazole	50.1		10	0.68
218-01-9	Chrysene	50.9		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	45.8		1.0	0.72
132-64-9	Dibenzofuran	48.9		10	1.1
84-66-2	Diethyl phthalate	50.2		10	0.98
131-11-3	Dimethyl phthalate	50.5		10	0.77
84-74-2	Di-n-butyl phthalate	55.1		10	0.84
117-84-0	Di-n-octyl phthalate	61.3		10	0.75
206-44-0	Fluoranthene	52.4		10	0.84
86-73-7	Fluorene	50.0		10	0.91
118-74-1	Hexachlorobenzene	46.5		1.0	0.40
87-68-3	Hexachlorobutadiene	33.3		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	23.0		10	3.6
67-72-1	Hexachloroethane	31.6		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	51.5		2.0	0.94
78-59-1	Isophorone	50.5		10	0.80
91-20-3	Naphthalene	46.3		2.0	0.54
98-95-3	Nitrobenzene	48.7		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	50.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	46.9		10	0.89
87-86-5	Pentachlorophenol	106		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-D-2-C MS

Matrix: Water | Lab File ID: P84282.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	49.0		10	1.3
108-95-2	Phenol	23.2		10	0.29
129-00-0	Pyrene	52.3		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	111		37-150
321-60-8	2-Fluorobiphenyl	103		46-139
367-12-4	2-Fluorophenol (Surr)	72		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	113		51-145
4165-62-2	Phenol-d5 (Surr)	53		10-56
1718-51-0	Terphenyl-d14 (Surr)	75		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D
Lims ID: 460-300484-D-2-C MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 17:03:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-033
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:32:45 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:42

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.625	-0.016	92	59813	5.00	3.16	
2 N-Nitrosodimethylamine	74	1.822	1.831	-0.009	88	95069	5.00	3.31	
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	313595	10.0	7.16	
5 Benzaldehyde	77	3.712	3.712	-0.003	95	311753	5.00	9.29	E
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	275677	10.0	5.30	
8 Aniline	93	3.823	3.823	-0.001	92	12464	5.00	0.1982	
7 Phenol	94	3.820	3.820	-0.004	98	173068	5.00	2.90	
9 Bis(2-chloroethyl)ether	93	3.881	3.881	-0.003	100	259201	5.00	5.61	
10 Benzonitrile	103	3.894	3.900	-0.006	98	522580	NC	NC	
11 2-Chlorophenol	128	3.938	3.939	-0.004	97	295397	5.00	6.07	
12 n-Decane	43	3.980	3.980	-0.004	87	121708	5.00	3.09	
13 1,3-Dichlorobenzene	146	4.079	4.076	0.000	96	243069	5.00	4.39	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	274224	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.149	4.149	-0.004	95	1212158	5.00	21.5	
17 Benzyl alcohol	108	4.277	4.276	0.000	95	140616	5.00	4.54	
19 2-Toluidine	107	4.274	4.284	-0.011	34	96866		NC	
18 1,2-Dichlorobenzene	146	4.293	4.293	-0.004	97	209956	5.00	3.92	
20 2-Methylphenol	108	4.399	4.401	-0.003	85	210383	5.00	4.90	
21 2,2'-oxybis[1-chloropropane]	45	4.399	4.401	-0.006	90	282367	5.00	5.74	
22 N-Methylaniline	106	4.523	4.519	0.003	94	48847	5.00	0.7167	
23 Acetophenone	105	4.523	4.526	-0.007	95	405255	5.00	6.05	
24 N-Nitrosodi-n-propylamine	70	4.530	4.525	0.000	88	190427	5.00	6.31	
26 4-Methylphenol	108	4.552	4.551	0.000	97	205492	5.00	4.47	
25 3 & 4 Methylphenol	108	4.552	4.551	0.000	63	206505	5.00	4.49	
27 Hexachloroethane	117	4.616	4.616	-0.004	94	76029	5.00	3.95	
$ 28 Nitrobenzene-d5	82	4.670	4.670	-0.001	88	507090	10.0	11.3	
29 Nitrobenzene	123	4.689	4.691	-0.004	98	145944	5.00	6.09	
30 n,n'-Dimethylaniline	120	4.689	4.692	-0.004	93	69123	5.00	0.9277	
31 Isophorone	82	4.919	4.919	-0.001	99	519586	5.00	6.31	
32 2-Nitrophenol	139	4.993	4.995	-0.004	94	159791	5.00	6.00	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	91	162979	5.00	4.00	
34 Bis(2-chloroethoxy)methane	93	5.137	5.135	0.000	98	330402	5.00	5.77	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.150	5.164	-0.016	90	112545	5.00	4.27	
36 2,4-Dichlorophenol	162	5.236	5.239	-0.003	96	245965	5.00	5.99	
37 1,2,4-Trichlorobenzene	180	5.303	5.305	-0.004	95	201574	5.00	4.33	
* 38 Naphthalene-d8	136	5.354	5.358	-0.004	99	1103466	8.00	8.00	
39 Naphthalene	128	5.377	5.376	0.000	99	874015	5.00	5.79	
40 4-Chloroaniline	127	5.441	5.444	-0.003	97	37881	5.00	0.6918	
41 2,6-Dichlorophenol	162	5.444	5.446	-0.003	98	245565	5.00	5.96	
42 Hexachlorobutadiene	225	5.501	5.500	-0.001	95	106645	5.00	4.16	
44 Caprolactam	113	5.767	5.760	0.007	93	26147	5.00	2.51	a
45 4-Chloro-3-methylphenol	107	5.930	5.929	0.000	96	225503	5.00	5.82	
46 2-Methylnaphthalene	142	6.039	6.041	-0.003	85	552676	5.00	5.69	
47 1-Methylnaphthalene	142	6.132	6.134	-0.002	92	501883	5.00	5.51	
48 Hexachlorocyclopentadiene	237	6.192	6.191	0.000	97	91029	5.00	2.88	
49 1,2,4,5-Tetrachlorobenzene	216	6.199	6.201	-0.003	97	250614	5.00	5.31	
50 2-tertbutyl-4-methylphenol	149	6.253	6.255	-0.003	91	365675	5.00	6.59	
51 2,4,6-Trichlorophenol	196	6.321	6.319	0.001	91	180786	5.00	6.18	
52 2,4,5-Trichlorophenol	196	6.362	6.361	0.000	97	186735	5.00	5.80	
$ 53 2-Fluorobiphenyl	172	6.397	6.396	0.000	97	1139840	10.0	10.3	
54 1,1'-Biphenyl	154	6.487	6.489	-0.003	96	715290	5.00	5.75	
55 2-Chloronaphthalene	162	6.500	6.502	-0.002	98	528492	5.00	5.47	
56 Phenyl ether	170	6.590	6.591	-0.002	86	374322	5.00	5.70	
57 2-Nitroaniline	65	6.609	6.611	-0.002	92	153823	5.00	7.05	
58 1,3-Dimethylnaphthalene	156	6.711	6.713	-0.002	91	439666	5.00	5.95	
59 Dimethyl phthalate	163	6.791	6.793	-0.002	99	641885	5.00	6.32	
60 Coumarin	146	6.798	6.799	-0.002	82	213995	5.00	6.85	
61 2,6-Dinitrotoluene	165	6.843	6.844	-0.002	96	138424	5.00	6.47	
62 Acenaphthylene	152	6.891	6.892	-0.002	97	849109	5.00	5.64	
63 3-Nitroaniline	138	7.000	7.001	-0.001	98	87276	5.00	3.71	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	95	601969	8.00	8.00	
65 Acenaphthene	154	7.057	7.058	-0.002	96	568457	5.00	6.33	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	-0.001	97	497132	5.00	6.01	
67 2,4-Dinitrophenol	184	7.099	7.099	-0.001	96	182039	10.0	13.3	
68 4-Nitrophenol	65	7.202	7.199	0.002	90	131364	10.0	8.51	a
69 2,4-Dinitrotoluene	165	7.221	7.221	-0.001	76	197227	5.00	7.37	
70 Dibenzofuran	168	7.221	7.221	-0.001	97	822939	5.00	6.12	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	-0.001	94	156819	5.00	6.12	
72 Diethyl phthalate	149	7.461	7.464	-0.004	98	619364	5.00	6.28	
73 Fluorene	166	7.545	7.544	0.000	96	664533	5.00	6.25	
74 4-Chlorophenyl phenyl ether	204	7.554	7.552	-0.001	90	305598	5.00	5.90	
75 4-Nitroaniline	138	7.580	7.582	-0.003	86	126029	5.00	5.96	
76 4,6-Dinitro-2-methylphenol	198	7.606	7.607	-0.003	86	234598	10.0	13.3	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	441770	5.00	5.86	
78 1,2-Diphenylhydrazine	77	7.702	7.705	-0.003	99	624951	5.00	6.38	
131 Azobenzene	77	7.702	7.705	-0.003	0	625005	5.00	6.38	
$ 79 2,4,6-Tribromophenol	330	7.776	7.775	0.001	92	211157	10.0	11.1	
81 1-Naphthylamine	143	7.955	7.911	0.044	66	884		NC	
80 4-Bromophenyl phenyl ether	248	8.013	8.011	-0.002	91	170007	5.00	5.44	
82 Hexachlorobenzene	284	8.064	8.059	0.001	97	221840	5.00	5.82	
83 Atrazine	200	8.193	8.183	0.008	94	216284	5.00	9.42	E
84 Pentachlorophenol	266	8.260	8.258	-0.001	94	289010	10.0	13.3	
85 Pentachloronitrobenzene	237	8.267	8.264	-0.001	89	82268	5.00	6.88	
86 2-Naphthylamine	143	8.315	8.315	0.000	52	560		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 n-Octadecane	57	8.363	8.364	-0.001	91	357506	5.00	5.85	
* 88 Phenanthrene-d10	188	8.427	8.428	-0.001	98	1068921	8.00	8.00	
89 Phenanthrene	178	8.450	8.451	0.000	97	897184	5.00	6.13	
90 Anthracene	178	8.498	8.493	0.000	98	904406	5.00	6.13	
91 Carbazole	167	8.662	8.662	0.001	96	797760	5.00	6.26	
92 Di-n-butyl phthalate	149	9.012	9.013	-0.001	99	1025798	5.00	6.88	
93 Fluoranthene	202	9.571	9.572	-0.001	98	912107	5.00	6.55	
95 Pyrene	202	9.783	9.784	0.000	97	947199	5.00	6.54	
96 Bisphenol-A	213	9.864	9.864	0.001	98	156021	2.50	2.98	
$ 97 Terphenyl-d14	244	9.947	9.951	-0.002	97	854905	10.0	7.47	
98 Butyl benzyl phthalate	149	10.443	10.446	-0.002	97	403822	5.00	7.42	
100 Carbamazepine	193	10.539	10.536	0.005	92	226492	5.00	5.61	
101 3,3'-Dichlorobenzidine	252	10.986	10.982	0.001	78	4659	5.00	0.1067	7
102 Benzo[a]anthracene	228	10.990	10.993	-0.001	99	784264	5.00	6.39	
* 103 Chrysene-d12	240	10.999	11.001	-0.002	99	751931	8.00	8.00	
104 Chrysene	228	11.028	11.031	-0.002	98	729093	5.00	6.37	
105 Bis(2-ethylhexyl) phthalate	149	11.083	11.086	-0.002	86	583638	5.00	8.07	
106 Di-n-octyl phthalate	149	11.874	11.875	0.000	96	926886	5.00	7.66	
107 Benzo[b]fluoranthene	252	12.282	12.284	-0.001	98	699323	5.00	6.11	
108 Benzo[k]fluoranthene	252	12.318	12.321	-0.004	99	716455	5.00	6.12	
109 Benzo[a]pyrene	252	12.703	12.706	-0.002	97	641828	5.00	6.41	
* 110 Perylene-d12	264	12.784	12.782	0.002	99	744019	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.245	14.245	-0.001	98	669049	5.00	6.44	
112 Dibenz(a,h)anthracene	278	14.290	14.291	-0.001	97	652908	5.00	5.73	
113 Benzo[g,h,i]perylene	276	14.624	14.627	-0.003	97	637858	5.00	5.52	
S 115 Total Cresols	1				0			9.40	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

7 - Failed Limit of Detection

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

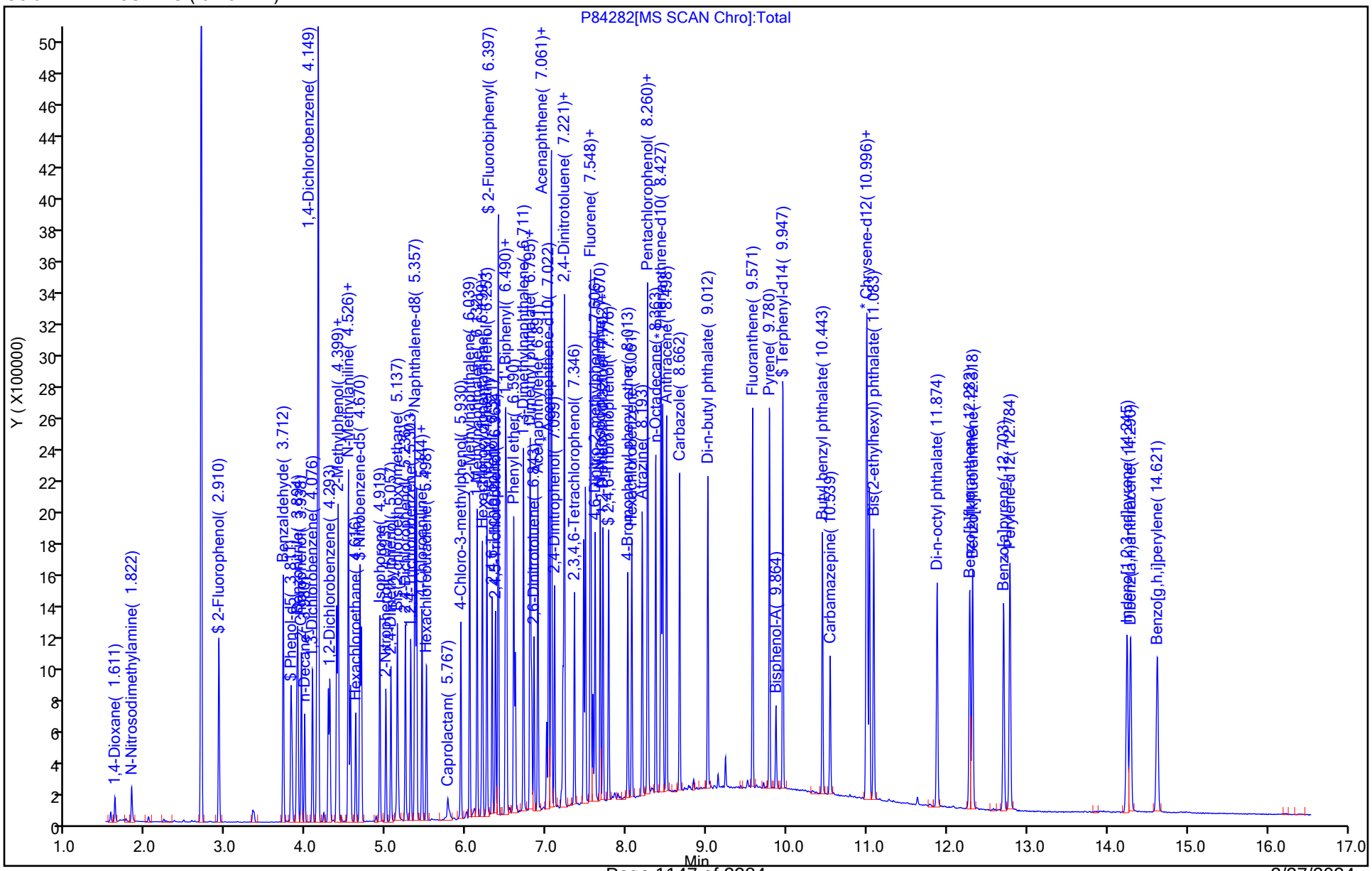
Report Date: 25-Mar-2024 08:32:46 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D

Injection Date:	22-Mar-2024 17:03:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-D-2-C MS			Worklist Smp#:	33
Client ID:	MW-16R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D
Lims ID: 460-300484-D-2-C MS
Client ID: MW-16R
Sample Type: MS
Inject. Date: 22-Mar-2024 17:03:30 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-033
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:32:45 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:08:42

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.16	71.63
$ 6 Phenol-d5	10.0	5.30	53.01
$ 28 Nitrobenzene-d5	10.0	11.3	113.46
$ 53 2-Fluorobiphenyl	10.0	10.3	102.60
$ 79 2,4,6-Tribromophenol	10.0	11.1	111.47
$ 97 Terphenyl-d14	10.0	7.47	74.66

Manual Integration/User Assign Peak Report

Eurofins Edison

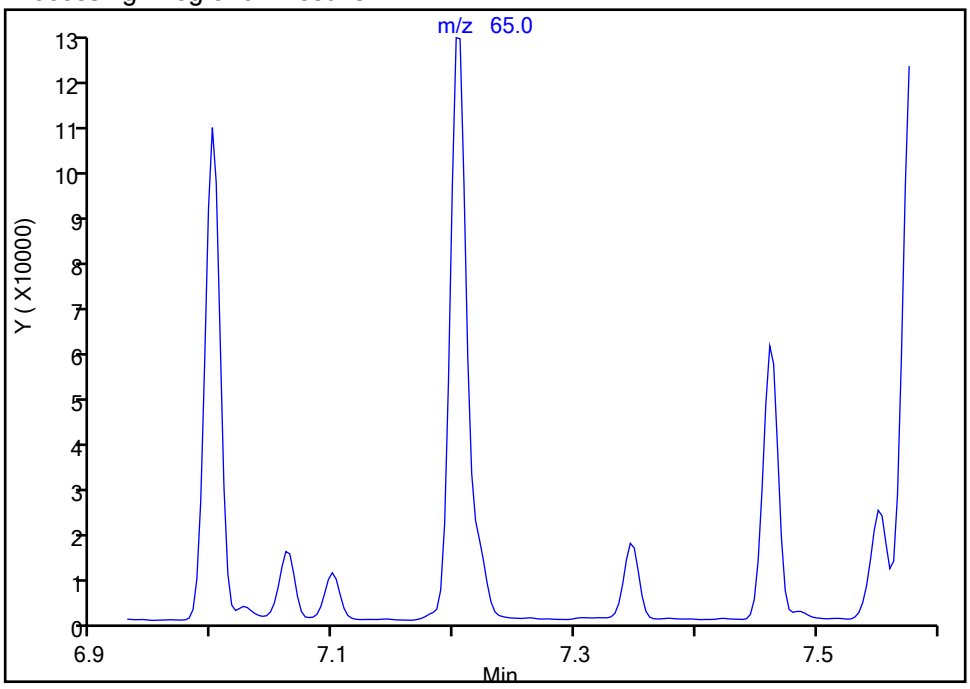
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D
Injection Date: 22-Mar-2024 17:03:30 Instrument ID: CBNAMS18
Lims ID: 460-300484-D-2-C MS
Client ID: MW-16R
Operator ID: ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

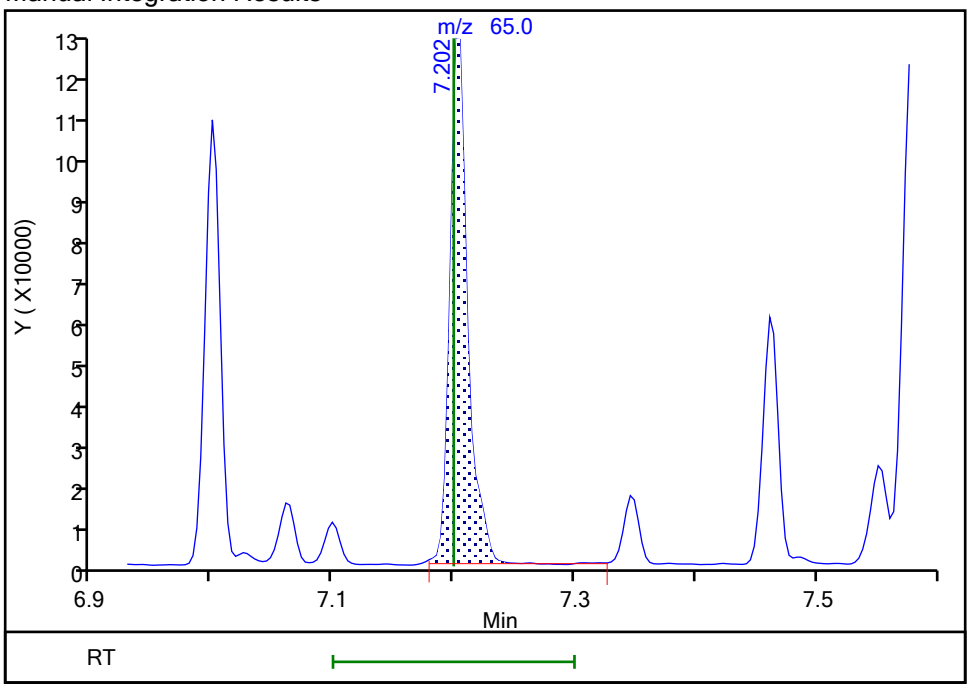
Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results

RT: 7.20
Area: 131364
Amount: 8.513654
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:08:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Edison

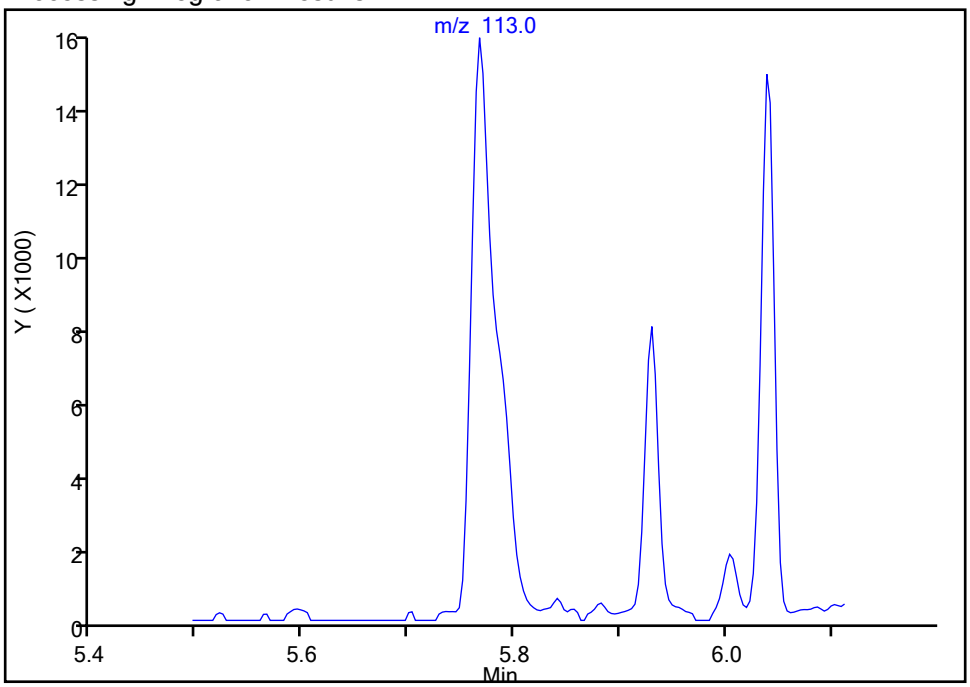
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84282.D				
Injection Date:	22-Mar-2024 17:03:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-D-2-C MS				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

44 Caprolactam, CAS: 105-60-2

Signal: 1

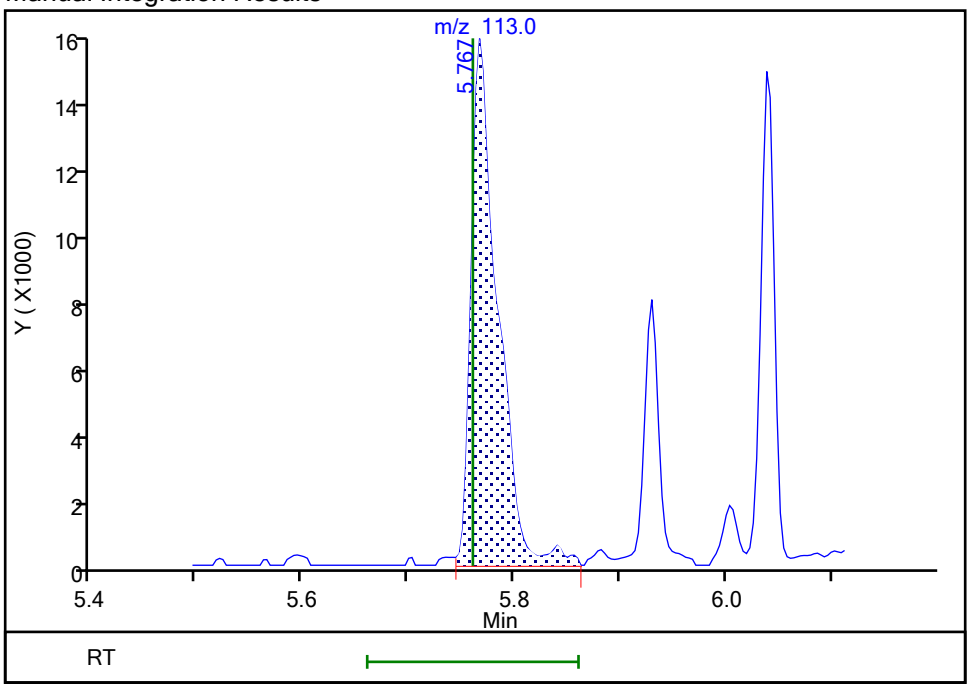
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.77
Area: 26147
Amount: 2.509686
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:08:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-B MS

Matrix: Water | Lab File ID: N49385.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	38.7		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	39.7		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	36.1		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	39.0		10	0.75
95-95-4	2,4,5-Trichlorophenol	37.4		10	0.88
88-06-2	2,4,6-Trichlorophenol	39.7		10	0.86
120-83-2	2,4-Dichlorophenol	36.4		10	1.1
105-67-9	2,4-Dimethylphenol	24.9		10	0.62
51-28-5	2,4-Dinitrophenol	80.4		40	2.6
121-14-2	2,4-Dinitrotoluene	41.0		10	1.0
606-20-2	2,6-Dinitrotoluene	40.4		2.0	0.83
91-58-7	2-Chloronaphthalene	38.3		10	1.2
95-57-8	2-Chlorophenol	32.0		10	0.38
91-57-6	2-Methylnaphthalene	39.2		10	0.53
95-48-7	2-Methylphenol	25.2		10	0.67
88-74-4	2-Nitroaniline	37.5		10	0.47
88-75-5	2-Nitrophenol	38.7		10	0.75
91-94-1	3,3'-Dichlorobenzidine	29.0		10	1.4
99-09-2	3-Nitroaniline	29.9		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	85.9		20	3.0
101-55-3	4-Bromophenyl phenyl ether	37.6		10	0.75
59-50-7	4-Chloro-3-methylphenol	32.8		10	0.58
106-47-8	4-Chloroaniline	26.6		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	38.6		10	1.3
106-44-5	4-Methylphenol	21.8		10	0.65
100-01-6	4-Nitroaniline	32.5		10	1.2
100-02-7	4-Nitrophenol	27.3		20	4.0
83-32-9	Acenaphthene	39.0		10	1.1
208-96-8	Acenaphthylene	36.7		10	0.82
98-86-2	Acetophenone	36.8		10	2.3
120-12-7	Anthracene	38.1		10	1.3
1912-24-9	Atrazine	45.1		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-B MS

Matrix: Water | Lab File ID: N49385.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	40.1		10	2.1
56-55-3	Benzo[a]anthracene	42.8		1.0	0.59
50-32-8	Benzo[a]pyrene	44.3		1.0	0.41
205-99-2	Benzo[b]fluoranthene	41.1		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	39.3		10	0.70
207-08-9	Benzo[k]fluoranthene	40.2		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	37.2		10	0.59
111-44-4	Bis(2-chloroethyl)ether	38.0		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	48.7		2.0	0.80
85-68-7	Butyl benzyl phthalate	49.6		10	0.85
105-60-2	Caprolactam	9.66	J	10	2.2
86-74-8	Carbazole	38.7		10	0.68
218-01-9	Chrysene	42.4		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	41.8		1.0	0.72
132-64-9	Dibenzofuran	38.7		10	1.1
84-66-2	Diethyl phthalate	39.9		10	0.98
131-11-3	Dimethyl phthalate	39.8		10	0.77
84-74-2	Di-n-butyl phthalate	46.2		10	0.84
117-84-0	Di-n-octyl phthalate	45.9		10	0.75
206-44-0	Fluoranthene	40.2		10	0.84
86-73-7	Fluorene	38.2		10	0.91
118-74-1	Hexachlorobenzene	40.0		1.0	0.40
87-68-3	Hexachlorobutadiene	39.7		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	23.4		10	3.6
67-72-1	Hexachloroethane	36.6		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	47.2		2.0	0.94
78-59-1	Isophorone	38.9		10	0.80
91-20-3	Naphthalene	38.1		2.0	0.54
98-95-3	Nitrobenzene	37.8		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	36.7		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	38.6		10	0.89
87-86-5	Pentachlorophenol	84.3		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-B MS

Matrix: Water | Lab File ID: N49385.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:34

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	38.4		10	1.3
108-95-2	Phenol	13.3		10	0.29
129-00-0	Pyrene	41.5		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	94		37-150
321-60-8	2-Fluorobiphenyl	88		46-139
367-12-4	2-Fluorophenol (Surr)	45		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	93		51-145
4165-62-2	Phenol-d5 (Surr)	30		10-56
1718-51-0	Terphenyl-d14 (Surr)	48		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49385.d
Lims ID: 460-300522-E-4-B MS
Client ID: MW-05_20240318
Sample Type: MS
Inject. Date: 23-Mar-2024 21:34:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-019
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:41:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.827	1.801	0.026	91	170107	5.00	2.57	
2 N-Nitrosodimethylamine	74	2.028	2.009	0.019	95	264464	5.00	2.63	
3 Pyridine	79	2.063	2.038	0.025	95	268615	10.0	1.77	
$ 4 2-Fluorophenol	112	3.107	3.098	0.009	97	685617	10.0	4.46	
5 Benzaldehyde	77	3.899	3.896	0.003	96	638732	5.00	5.01	E
$ 6 Phenol-d5	99	3.985	3.983	0.002	94	548203	10.0	3.04	
7 Phenol	94	3.998	3.995	0.003	94	354631	5.00	1.66	
8 Aniline	93	4.005	4.002	0.003	98	567697	5.00	2.45	
9 Bis(2-chloroethyl)ether	93	4.062	4.063	-0.001	98	744224	5.00	4.75	
10 Benzonitrile	103	4.078	4.082	-0.004	97	1461526	NC	NC	
11 2-Chlorophenol	128	4.123	4.123	0.000	98	653089	5.00	4.00	
12 n-Decane	43	4.161	4.158	0.003	89	605214	5.00	4.23	
26 2-Toluidine	107	4.264	4.199	0.065	34	3824		NC	
13 1,3-Dichlorobenzene	146	4.264	4.261	0.003	96	840265	5.00	4.59	
* 14 1,4-Dichlorobenzene-d4	152	4.318	4.315	0.003	95	909346	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.334	4.331	0.003	95	857388	5.00	4.65	
16 Benzyl alcohol	108	4.452	4.452	0.000	95	349875	5.00	3.63	
17 1,2-Dichlorobenzene	146	4.478	4.475	0.003	97	810275	5.00	4.69	
18 2-Methylphenol	108	4.570	4.571	-0.001	87	435336	5.00	3.16	
19 2,2'-oxybis[1-chloropropane]	45	4.574	4.577	-0.003	95	765261	5.00	4.51	
20 N-Methylaniline	106	4.695	4.695	0.000	97	825685	5.00	3.73	
22 N-Nitrosodi-n-propylamine	70	4.705	4.705	0.000	71	451565	5.00	4.59	
21 Acetophenone	105	4.705	4.705	0.000	92	968157	5.00	4.60	
23 3 & 4 Methylphenol	108	4.721	4.721	0.000	68	420867	5.00	2.73	
24 4-Methylphenol	108	4.721	4.721	0.000	97	420867	5.00	2.73	
25 Hexachloroethane	117	4.801	4.798	0.003	94	299957	5.00	4.57	
$ 27 Nitrobenzene-d5	82	4.849	4.849	0.000	84	1321960	10.0	9.30	
28 Nitrobenzene	123	4.868	4.868	0.000	96	354728	5.00	4.73	
29 n,n'-Dimethylaniline	120	4.868	4.868	0.000	95	734330	5.00	3.21	
30 Isophorone	82	5.095	5.095	0.000	99	1214698	5.00	4.86	
32 2-Nitrophenol	139	5.171	5.168	0.003	96	384203	5.00	4.84	
33 2,4-Dimethylphenol	122	5.226	5.223	0.003	92	370187	5.00	3.12	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.306	5.306	0.000	98	775954	5.00	4.65	
35 Benzoic acid	122	5.302	5.335	-0.033	90	123759	5.00	2.22	
36 2,4-Dichlorophenol	162	5.411	5.411	0.000	97	539171	5.00	4.55	
37 1,2,4-Trichlorobenzene	180	5.481	5.479	0.002	94	646511	5.00	4.77	
* 38 Naphthalene-d8	136	5.536	5.533	0.003	99	3081044	8.00	8.00	
39 Naphthalene	128	5.555	5.555	0.000	99	2049198	5.00	4.77	
40 4-Chloroaniline	127	5.613	5.613	0.000	98	535823	5.00	3.32	
130 2,6-Dichlorophenol	162	5.619	5.619	0.000	99	538592	5.00	4.60	
41 Hexachlorobutadiene	225	5.677	5.674	0.003	98	365502	5.00	4.97	
56 Benzidine_T	184	5.693	5.723	-0.030	61	747		NC	
42 Caprolactam	113	5.929	5.933	-0.004	95	34278	5.00	1.21	
43 4-Chloro-3-methylphenol	107	6.092	6.092	0.000	95	443951	5.00	4.10	
44 2-Methylnaphthalene	142	6.217	6.214	0.003	84	1291223	5.00	4.90	
45 1-Methylnaphthalene	142	6.309	6.310	-0.001	92	1174412	5.00	4.81	
46 Hexachlorocyclopentadiene	237	6.367	6.368	-0.001	97	248414	5.00	2.92	a
47 1,2,4,5-Tetrachlorobenzene	216	6.377	6.374	0.003	98	614383	5.00	4.96	
48 2-tertbutyl-4-methylphenol	149	6.422	6.419	0.003	92	783771	5.00	5.24	
49 2,4,6-Trichlorophenol	196	6.492	6.489	0.003	93	375451	5.00	4.96	
50 2,4,5-Trichlorophenol	196	6.534	6.531	0.003	99	392201	5.00	4.68	
$ 51 2-Fluorobiphenyl	172	6.569	6.569	0.000	97	2448796	10.0	8.76	
52 1,1'-Biphenyl	154	6.665	6.662	0.003	95	1501597	5.00	4.83	
53 2-Chloronaphthalene	162	6.681	6.678	0.003	98	1165253	5.00	4.79	
54 Phenyl ether	170	6.764	6.764	0.000	84	808518	5.00	4.90	
55 2-Nitroaniline	65	6.783	6.781	0.003	93	349731	5.00	4.69	
57 1,3-Dimethylnaphthalene	156	6.889	6.889	0.000	92	927718	5.00	5.00	
59 Dimethyl phthalate	163	6.962	6.960	0.002	100	1213041	5.00	4.98	
60 Coumarin	146	6.975	6.972	0.003	82	395905	5.00	4.99	
61 2,6-Dinitrotoluene	165	7.014	7.014	0.000	95	281672	5.00	5.06	
62 Acenaphthylene	152	7.071	7.072	-0.001	97	1724123	5.00	4.59	
63 3-Nitroaniline	138	7.174	7.174	0.000	97	230228	5.00	3.73	
* 64 Acenaphthene-d10	164	7.209	7.206	0.003	95	1495643	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.234	7.235	-0.001	96	976629	5.00	4.98	
66 Acenaphthene	154	7.238	7.235	0.003	96	1046328	5.00	4.87	
67 2,4-Dinitrophenol	184	7.273	7.270	0.003	96	303280	10.0	10.0	
68 4-Nitrophenol	65	7.366	7.363	0.003	89	122719	10.0	3.41	
69 2,4-Dinitrotoluene	165	7.391	7.392	-0.001	96	350995	5.00	5.12	
70 Dibenzofuran	168	7.401	7.401	0.000	96	1557755	5.00	4.84	
72 2,3,4,6-Tetrachlorophenol	232	7.523	7.523	0.000	95	304185	5.00	4.88	
73 Diethyl phthalate	149	7.631	7.632	-0.001	99	1117244	5.00	4.99	
75 Fluorene	166	7.727	7.724	0.003	94	1190645	5.00	4.78	
74 4-Chlorophenyl phenyl ether	204	7.731	7.731	0.000	91	591403	5.00	4.83	
76 4-Nitroaniline	138	7.753	7.756	-0.003	86	227100	5.00	4.07	
77 4,6-Dinitro-2-methylphenol	198	7.779	7.779	0.000	90	395701	10.0	10.7	
78 N-Nitrosodiphenylamine	169	7.846	7.846	0.000	96	824588	5.00	4.82	
131 Azobenzene	77	7.881	7.881	0.000	0	1115784	5.00	4.79	
79 1,2-Diphenylhydrazine	77	7.881	7.881	0.000	94	1115784	5.00	4.79	
$ 80 2,4,6-Tribromophenol	330	7.958	7.955	0.003	90	480872	10.0	9.41	
81 4-Bromophenyl phenyl ether	248	8.195	8.192	0.003	95	337384	5.00	4.70	
58 1-Naphthylamine	143	8.192	8.234	-0.043	49	22779		NC	
82 Hexachlorobenzene	284	8.246	8.246	0.000	94	464271	5.00	5.00	
83 Atrazine	200	8.362	8.358	0.004	95	295517	5.00	5.64	
84 Pentachlorophenol	266	8.442	8.441	0.001	95	495276	10.0	10.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
85 Pentachloronitrobenzene	237	8.448	8.448	0.000	92	138721	5.00	5.41	
86 n-Octadecane	57	8.535	8.534	0.001	90	666892	5.00	4.85	
* 87 Phenanthrene-d10	188	8.615	8.614	0.001	99	2314503	8.00	8.00	
88 Phenanthrene	178	8.637	8.637	0.000	98	1508874	5.00	4.79	
89 Anthracene	178	8.685	8.685	0.000	98	1528145	5.00	4.76	
90 Carbazole	167	8.846	8.845	0.001	96	1313885	5.00	4.84	
71 2-Naphthylamine	143	8.842	8.847	-0.006	17	147		NC	
91 Di-n-butyl phthalate	149	9.188	9.190	-0.002	99	1617382	5.00	5.78	
92 Fluoranthene	202	9.766	9.765	0.001	97	1405844	5.00	5.02	
93 Benzidine	184	9.904	9.903	0.001	99	56042	5.00	0.4748	
94 Pyrene	202	9.981	9.980	0.001	97	1470073	5.00	5.18	
95 Bisphenol-A	213	10.045	10.047	-0.002	99	208735	2.50	2.48	
$ 96 Terphenyl-d14	244	10.141	10.140	0.001	97	1054980	10.0	4.80	
97 Butyl benzyl phthalate	149	10.645	10.645	0.000	96	570950	5.00	6.20	
99 Carbamazepine	193	10.745	10.741	0.004	95	356708	5.00	4.95	
100 3,3'-Dichlorobenzidine	252	11.208	11.209	-0.001	99	281264	5.00	3.62	
101 Benzo[a]anthracene	228	11.224	11.225	-0.001	99	1147517	5.00	5.35	
* 102 Chrysene-d12	240	11.237	11.234	0.003	99	1388917	8.00	8.00	
104 Chrysene	228	11.266	11.263	0.003	98	1089522	5.00	5.30	
103 Bis(2-ethylhexyl) phthalate	149	11.304	11.302	0.002	86	758578	5.00	6.09	
105 Di-n-octyl phthalate	149	12.133	12.131	0.002	96	1212067	5.00	5.74	
106 Benzo[b]fluoranthene	252	12.573	12.572	0.001	98	1145718	5.00	5.14	
107 Benzo[k]fluoranthene	252	12.612	12.611	0.001	99	1148452	5.00	5.02	
108 Benzo[a]pyrene	252	13.016	13.014	0.002	97	1044618	5.00	5.54	
* 109 Perylene-d12	264	13.100	13.094	0.006	99	1566932	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.625	14.625	0.000	99	1234570	5.00	5.90	
111 Dibenz(a,h)anthracene	278	14.670	14.670	0.000	99	1223693	5.00	5.23	
112 Benzo[g,h,i]perylene	276	15.039	15.042	-0.003	98	1193229	5.00	4.92	
S 119 Total Cresols	1				0			5.88	
127 4,4'-DDT	235	6.367	6.380	-0.013	73	151340		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

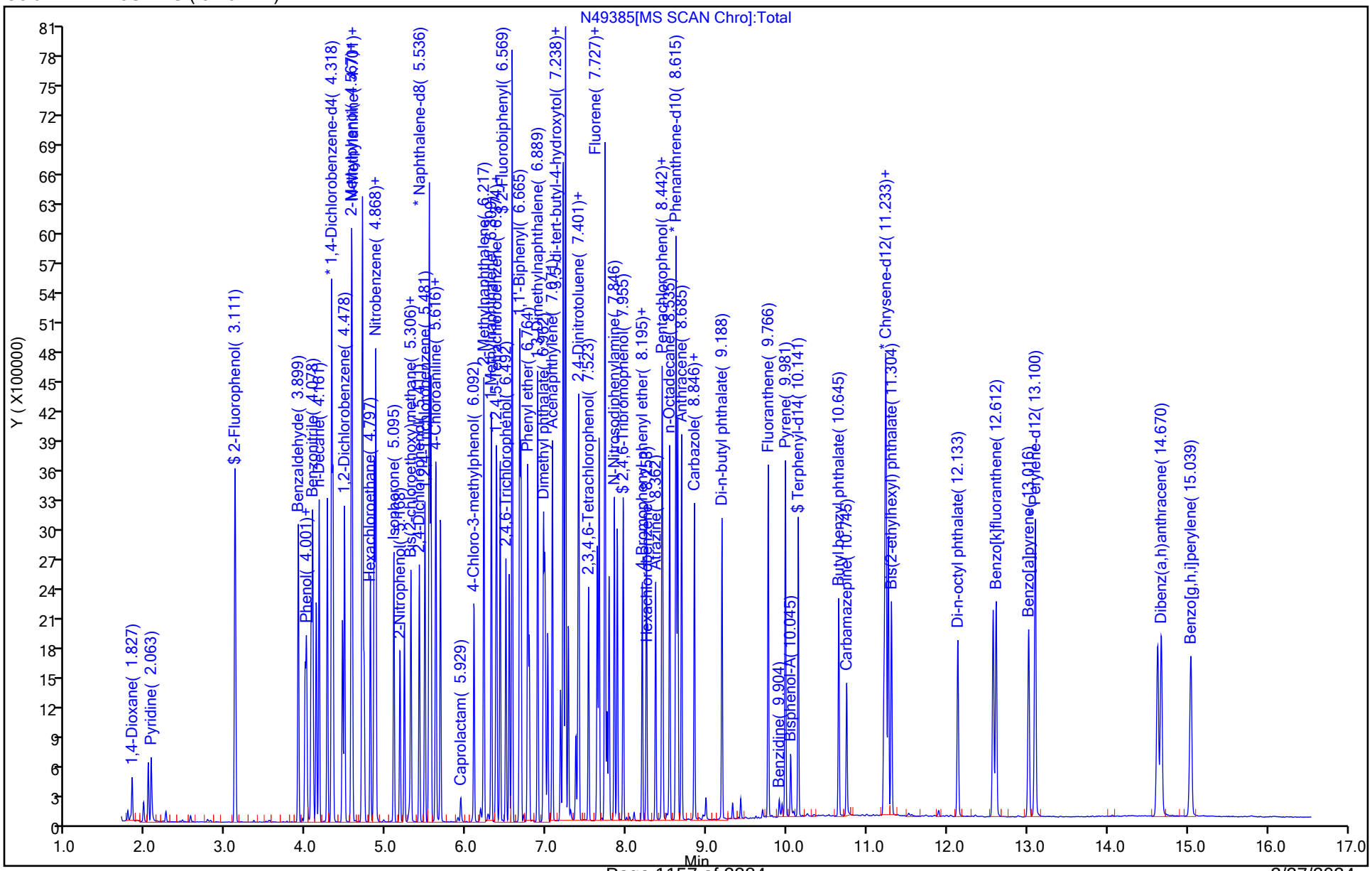
Report Date: 25-Mar-2024 08:04:03 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49385.d

Injection Date:	23-Mar-2024 21:34:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-300522-E-4-B MS			Worklist Smp#:	19
Client ID:	MW-05_20240318				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49385.d
Lims ID: 460-300522-E-4-B MS
Client ID: MW-05_20240318
Sample Type: MS
Inject. Date: 23-Mar-2024 21:34:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-019
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:41:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.46	44.60
$ 6 Phenol-d5	10.0	3.04	30.42
$ 27 Nitrobenzene-d5	10.0	9.30	92.99
$ 51 2-Fluorobiphenyl	10.0	8.76	87.60
$ 80 2,4,6-Tribromophenol	10.0	9.41	94.10
$ 96 Terphenyl-d14	10.0	4.80	47.99

Manual Integration/User Assign Peak Report

Eurofins Edison

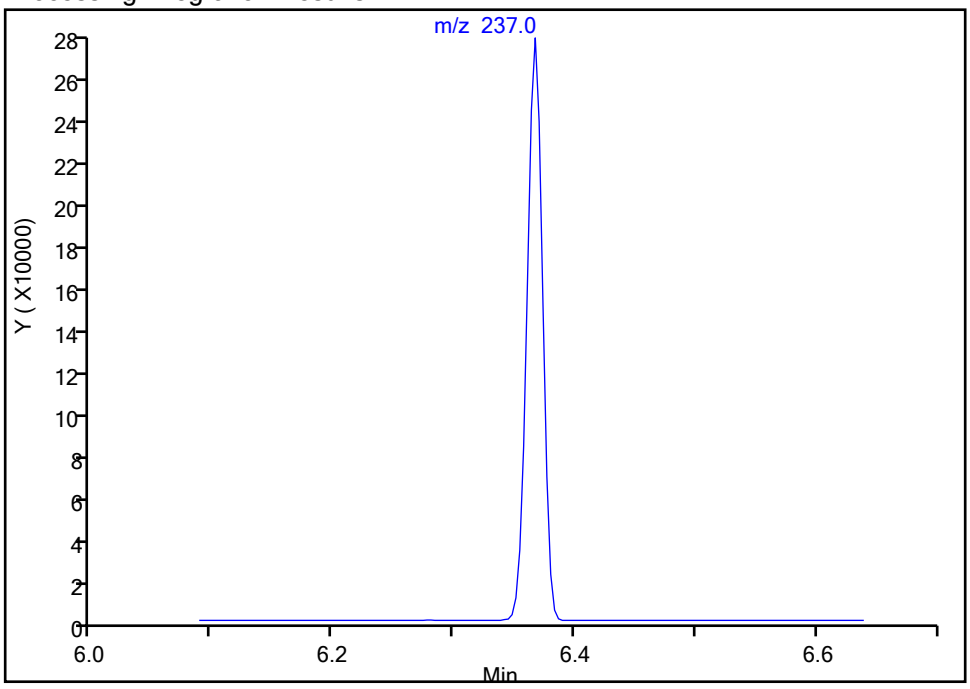
Data File:	\\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49385.d				
Injection Date:	23-Mar-2024 21:34:30	Instrument ID:	CBNAMS14		
Lims ID:	460-300522-E-4-B MS				
Client ID:	MW-05_20240318				
Operator ID:		ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

46 Hexachlorocyclopentadiene, CAS: 77-47-4

Signal: 1

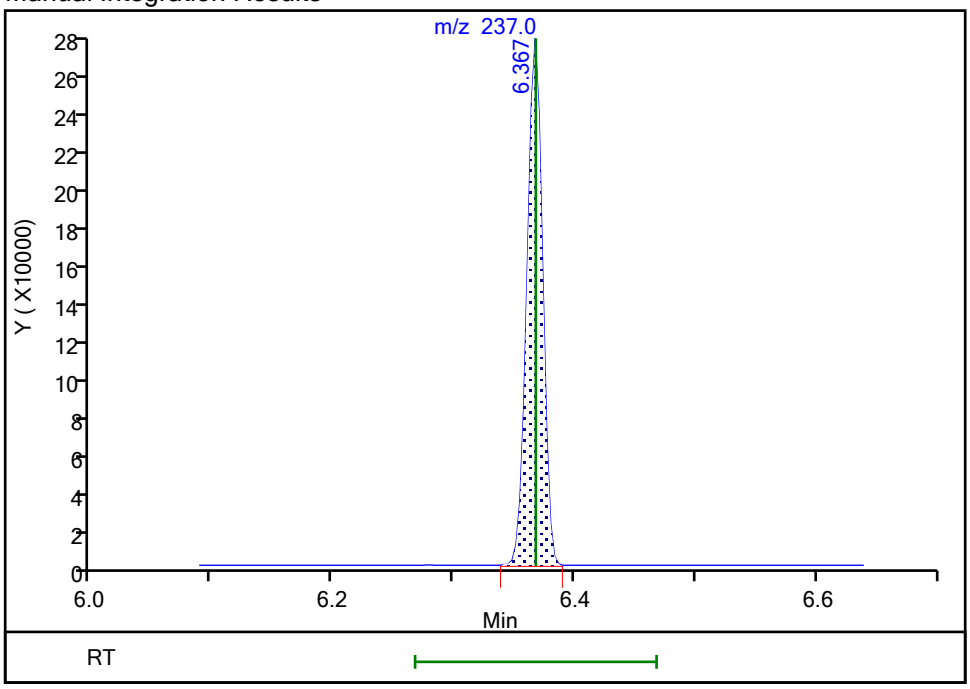
Not Detected
Expected RT: 6.37

Processing Integration Results



RT: 6.37
Area: 248414
Amount: 2.923150
Amount Units: ug/ml

Manual Integration Results



Reviewer: U6BX, 24-Mar-2024 14:41:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-E-2-C MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	44.7		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	40.8		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	44.7		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	47.6		10	0.75
95-95-4	2,4,5-Trichlorophenol	44.9		10	0.88
88-06-2	2,4,6-Trichlorophenol	47.0		10	0.86
120-83-2	2,4-Dichlorophenol	46.8		10	1.1
105-67-9	2,4-Dimethylphenol	31.7		10	0.62
51-28-5	2,4-Dinitrophenol	100		40	2.6
121-14-2	2,4-Dinitrotoluene	57.2		10	1.0
606-20-2	2,6-Dinitrotoluene	51.4		2.0	0.83
91-58-7	2-Chloronaphthalene	42.4		10	1.2
95-57-8	2-Chlorophenol	49.9		10	0.38
91-57-6	2-Methylnaphthalene	45.0		10	0.53
95-48-7	2-Methylphenol	39.4		10	0.67
88-74-4	2-Nitroaniline	52.5		10	0.47
88-75-5	2-Nitrophenol	45.5		10	0.75
91-94-1	3,3'-Dichlorobenzidine	10	U	10	1.4
99-09-2	3-Nitroaniline	35.5		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	102		20	3.0
101-55-3	4-Bromophenyl phenyl ether	42.3		10	0.75
59-50-7	4-Chloro-3-methylphenol	46.4		10	0.58
106-47-8	4-Chloroaniline	11.3		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	45.4		10	1.3
106-44-5	4-Methylphenol	36.4		10	0.65
100-01-6	4-Nitroaniline	43.7		10	1.2
100-02-7	4-Nitrophenol	66.2		20	4.0
83-32-9	Acenaphthene	48.6		10	1.1
208-96-8	Acenaphthylene	43.8		10	0.82
98-86-2	Acetophenone	47.6		10	2.3
120-12-7	Anthracene	48.2		10	1.3
1912-24-9	Atrazine	58.6		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-E-2-C MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	59.1		10	2.1
56-55-3	Benzo[a]anthracene	49.3		1.0	0.59
50-32-8	Benzo[a]pyrene	49.6		1.0	0.41
205-99-2	Benzo[b]fluoranthene	47.4		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	42.4		10	0.70
207-08-9	Benzo[k]fluoranthene	47.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	44.9		10	0.59
111-44-4	Bis(2-chloroethyl)ether	45.0		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	62.1		2.0	0.80
85-68-7	Butyl benzyl phthalate	58.3		10	0.85
105-60-2	Caprolactam	16.2		10	2.2
86-74-8	Carbazole	48.8		10	0.68
218-01-9	Chrysene	49.8		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	44.3		1.0	0.72
132-64-9	Dibenzofuran	47.7		10	1.1
84-66-2	Diethyl phthalate	48.9		10	0.98
131-11-3	Dimethyl phthalate	48.4		10	0.77
84-74-2	Di-n-butyl phthalate	53.5		10	0.84
117-84-0	Di-n-octyl phthalate	58.9		10	0.75
206-44-0	Fluoranthene	50.2		10	0.84
86-73-7	Fluorene	48.0		10	0.91
118-74-1	Hexachlorobenzene	44.9		1.0	0.40
87-68-3	Hexachlorobutadiene	33.4		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	23.2		10	3.6
67-72-1	Hexachloroethane	31.7		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	49.6		2.0	0.94
78-59-1	Isophorone	50.2		10	0.80
91-20-3	Naphthalene	49.2		2.0	0.54
98-95-3	Nitrobenzene	47.5		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	48.8		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	45.8		10	0.89
87-86-5	Pentachlorophenol	102		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300484-E-2-C MSD

Matrix: Water | Lab File ID: P84283.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/22/2024 09:13

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 17:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965372 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	47.9		10	1.3
108-95-2	Phenol	23.3		10	0.29
129-00-0	Pyrene	51.2		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	116		37-150
321-60-8	2-Fluorobiphenyl	106		46-139
367-12-4	2-Fluorophenol (Surr)	75		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	115		51-145
4165-62-2	Phenol-d5 (Surr)	57	*	10-56
1718-51-0	Terphenyl-d14 (Surr)	82		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D
Lims ID: 460-300484-E-2-C MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 17:24:30 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-034
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:33:56 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:09:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.625	-0.016	92	55435	5.00	3.19	
2 N-Nitrosodimethylamine	74	1.822	1.831	-0.009	88	85145	5.00	3.23	
$ 4 2-Fluorophenol	112	2.910	2.911	-0.004	96	301523	10.0	7.50	
5 Benzaldehyde	77	3.712	3.712	-0.003	95	227473	5.00	7.39	E
$ 6 Phenol-d5	99	3.807	3.808	-0.004	99	273255	10.0	5.73	
8 Aniline	93	3.823	3.823	-0.001	50	12915	5.00	0.2238	
7 Phenol	94	3.820	3.820	-0.004	98	159989	5.00	2.92	
9 Bis(2-chloroethyl)ether	93	3.881	3.881	-0.003	100	238584	5.00	5.62	
10 Benzonitrile	103	3.894	3.900	-0.006	98	473428	NC	NC	
11 2-Chlorophenol	128	3.938	3.939	-0.004	97	278559	5.00	6.24	
12 n-Decane	43	3.980	3.980	-0.004	87	115677	5.00	3.20	
13 1,3-Dichlorobenzene	146	4.079	4.076	0.000	96	223837	5.00	4.40	
* 14 1,4-Dichlorobenzene-d4	152	4.133	4.137	-0.004	95	251654	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.149	4.149	-0.004	95	933501	5.00	18.0	
17 Benzyl alcohol	108	4.277	4.276	0.000	95	129926	5.00	4.57	
19 2-Toluidine	107	4.274	4.284	-0.011	35	91369		NC	
18 1,2-Dichlorobenzene	146	4.293	4.293	-0.004	97	197106	5.00	4.01	
20 2-Methylphenol	108	4.399	4.401	-0.003	88	194146	5.00	4.93	
21 2,2'-oxybis[1-chloropropane]	45	4.399	4.401	-0.006	88	252465	5.00	5.59	
22 N-Methylaniline	106	4.520	4.519	0.000	94	60808	5.00	0.9722	
23 Acetophenone	105	4.523	4.526	-0.007	94	365154	5.00	5.94	
24 N-Nitrosodi-n-propylamine	70	4.530	4.525	0.000	89	168835	5.00	6.10	
26 4-Methylphenol	108	4.552	4.551	0.000	96	191521	5.00	4.54	
25 3 & 4 Methylphenol	108	4.552	4.551	0.000	64	191521	5.00	4.54	
27 Hexachloroethane	117	4.616	4.616	-0.004	95	70008	5.00	3.96	
$ 28 Nitrobenzene-d5	82	4.670	4.670	-0.001	87	478434	10.0	11.5	
29 Nitrobenzene	123	4.689	4.691	-0.004	97	130603	5.00	5.94	
30 n,n'-Dimethylaniline	120	4.689	4.692	-0.004	93	118043	5.00	1.73	
31 Isophorone	82	4.919	4.919	-0.001	99	480256	5.00	6.28	
32 2-Nitrophenol	139	4.993	4.995	-0.004	93	140738	5.00	5.69	
33 2,4-Dimethylphenol	122	5.057	5.057	0.000	91	149819	5.00	3.96	
34 Bis(2-chloroethoxy)methane	93	5.137	5.135	0.000	98	298570	5.00	5.61	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.146	5.164	-0.020	91	99142	5.00	4.05	
36 2,4-Dichlorophenol	162	5.236	5.239	-0.003	96	223352	5.00	5.86	
37 1,2,4-Trichlorobenzene	180	5.303	5.305	-0.004	94	187358	5.00	4.34	
* 38 Naphthalene-d8	136	5.354	5.358	-0.004	99	1025077	8.00	8.00	
39 Naphthalene	128	5.377	5.376	0.000	99	862308	5.00	6.15	
40 4-Chloroaniline	127	5.441	5.444	-0.003	98	71849	5.00	1.41	
41 2,6-Dichlorophenol	162	5.447	5.446	0.000	98	222714	5.00	5.82	
42 Hexachlorobutadiene	225	5.501	5.500	-0.001	95	99349	5.00	4.17	
44 Caprolactam	113	5.767	5.760	0.007	94	19437	5.00	2.03	a
45 4-Chloro-3-methylphenol	107	5.930	5.929	0.000	95	208541	5.00	5.79	
46 2-Methylnaphthalene	142	6.039	6.041	-0.003	88	507582	5.00	5.62	
47 1-Methylnaphthalene	142	6.131	6.134	-0.003	92	461944	5.00	5.46	
48 Hexachlorocyclopentadiene	237	6.192	6.191	0.000	97	86680	5.00	2.90	
49 1,2,4,5-Tetrachlorobenzene	216	6.199	6.201	-0.003	97	228122	5.00	5.10	
50 2-tertbutyl-4-methylphenol	149	6.253	6.255	-0.003	92	340251	5.00	6.60	
51 2,4,6-Trichlorophenol	196	6.320	6.319	0.000	93	162807	5.00	5.88	
52 2,4,5-Trichlorophenol	196	6.362	6.361	0.000	97	171035	5.00	5.61	
$ 53 2-Fluorobiphenyl	172	6.397	6.396	0.000	97	1111392	10.0	10.6	
54 1,1'-Biphenyl	154	6.487	6.489	-0.003	97	657703	5.00	5.58	
55 2-Chloronaphthalene	162	6.500	6.502	-0.002	98	485097	5.00	5.31	
56 Phenyl ether	170	6.589	6.591	-0.003	86	341748	5.00	5.50	
57 2-Nitroaniline	65	6.609	6.611	-0.002	92	135627	5.00	6.57	
58 1,3-Dimethylnaphthalene	156	6.711	6.713	-0.002	91	405001	5.00	5.79	
59 Dimethyl phthalate	163	6.791	6.793	-0.002	99	582091	5.00	6.05	
60 Coumarin	146	6.798	6.799	-0.002	82	194366	5.00	6.69	
61 2,6-Dinitrotoluene	165	6.843	6.844	-0.003	96	130214	5.00	6.43	
62 Acenaphthylene	152	6.891	6.892	-0.002	97	779633	5.00	5.47	
63 3-Nitroaniline	138	6.999	7.001	-0.002	98	98877	5.00	4.44	
* 64 Acenaphthene-d10	164	7.025	7.027	-0.002	95	569634	8.00	8.00	
65 Acenaphthene	154	7.057	7.058	-0.002	96	516376	5.00	6.08	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.064	7.064	-0.001	97	456245	5.00	5.83	
67 2,4-Dinitrophenol	184	7.099	7.099	-0.001	96	161502	10.0	12.5	
68 4-Nitrophenol	65	7.205	7.199	0.005	89	120825	10.0	8.28	a
69 2,4-Dinitrotoluene	165	7.221	7.221	-0.001	86	181008	5.00	7.15	
70 Dibenzofuran	168	7.221	7.221	-0.001	98	759093	5.00	5.96	
71 2,3,4,6-Tetrachlorophenol	232	7.349	7.349	-0.001	94	144251	5.00	5.95	
72 Diethyl phthalate	149	7.461	7.464	-0.004	98	570948	5.00	6.12	
73 Fluorene	166	7.544	7.544	-0.001	95	603194	5.00	6.00	
74 4-Chlorophenyl phenyl ether	204	7.554	7.552	-0.001	88	278273	5.00	5.67	
75 4-Nitroaniline	138	7.580	7.582	-0.003	86	109263	5.00	5.46	
76 4,6-Dinitro-2-methylphenol	198	7.605	7.607	-0.004	86	209680	10.0	12.7	
77 N-Nitrosodiphenylamine	169	7.670	7.670	0.000	98	402502	5.00	5.73	
78 1,2-Diphenylhydrazine	77	7.702	7.705	-0.003	100	573933	5.00	6.28	
131 Azobenzene	77	7.702	7.705	-0.003	0	574303	5.00	6.28	
$ 79 2,4,6-Tribromophenol	330	7.775	7.775	0.000	93	207304	10.0	11.6	
81 1-Naphthylamine	143	7.910	7.911	-0.001	61	369		NC	
80 4-Bromophenyl phenyl ether	248	8.013	8.011	-0.002	90	154139	5.00	5.29	
82 Hexachlorobenzene	284	8.064	8.059	0.001	96	199358	5.00	5.61	
83 Atrazine	200	8.193	8.183	0.008	94	156925	5.00	7.33	E
84 Pentachlorophenol	266	8.260	8.258	-0.001	95	259827	10.0	12.8	
85 Pentachloronitrobenzene	237	8.266	8.264	-0.002	89	75043	5.00	6.73	
86 2-Naphthylamine	143	8.311	8.315	-0.004	64	522		NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 n-Octadecane	57	8.363	8.364	-0.001	91	326030	5.00	5.72	
* 88 Phenanthrene-d10	188	8.427	8.428	-0.001	98	996805	8.00	8.00	
89 Phenanthrene	178	8.449	8.451	-0.001	98	817999	5.00	5.99	
90 Anthracene	178	8.498	8.493	0.000	98	829155	5.00	6.02	
91 Carbazole	167	8.658	8.662	-0.003	96	723646	5.00	6.09	
92 Di-n-butyl phthalate	149	9.011	9.013	-0.002	99	928812	5.00	6.68	
93 Fluoranthene	202	9.571	9.572	-0.001	97	814645	5.00	6.27	
95 Pyrene	202	9.783	9.784	0.000	97	848771	5.00	6.40	
96 Bisphenol-A	213	9.863	9.864	0.000	98	142407	2.50	2.97	
$ 97 Terphenyl-d14	244	9.950	9.951	0.001	97	862449	10.0	8.23	
98 Butyl benzyl phthalate	149	10.442	10.446	-0.003	97	362770	5.00	7.29	
100 Carbamazepine	193	10.538	10.536	0.004	92	210463	5.00	5.69	
101 3,3'-Dichlorobenzidine	252	10.982	10.982	-0.003	89	6252	5.00	0.1565	a
102 Benzo[a]anthracene	228	10.989	10.993	-0.002	99	690995	5.00	6.16	
* 103 Chrysene-d12	240	11.002	11.001	0.001	99	687786	8.00	8.00	
104 Chrysene	228	11.027	11.031	-0.003	98	652286	5.00	6.23	
105 Bis(2-ethylhexyl) phthalate	149	11.082	11.086	-0.003	86	513072	5.00	7.76	
106 Di-n-octyl phthalate	149	11.873	11.875	-0.001	96	817847	5.00	7.37	
107 Benzo[b]fluoranthene	252	12.281	12.284	-0.002	98	622976	5.00	5.93	
108 Benzo[k]fluoranthene	252	12.317	12.321	-0.005	99	630855	5.00	5.87	
109 Benzo[a]pyrene	252	12.705	12.706	0.000	97	569286	5.00	6.20	
* 110 Perylene-d12	264	12.783	12.782	0.001	99	683092	8.00	8.00	
111 Indeno[1,2,3-cd]pyrene	276	14.243	14.245	-0.003	99	591847	5.00	6.21	
112 Dibenz(a,h)anthracene	278	14.288	14.291	-0.003	98	579047	5.00	5.53	
113 Benzo[g,h,i]perylene	276	14.622	14.627	-0.005	97	561988	5.00	5.30	
S 115 Total Cresols	1				0			9.47	
126 4,4'-DDT	235	6.192	6.174	0.018	83	54539		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_LVI_00196 Amount Added: 20.00 Units: uL Run Reagent

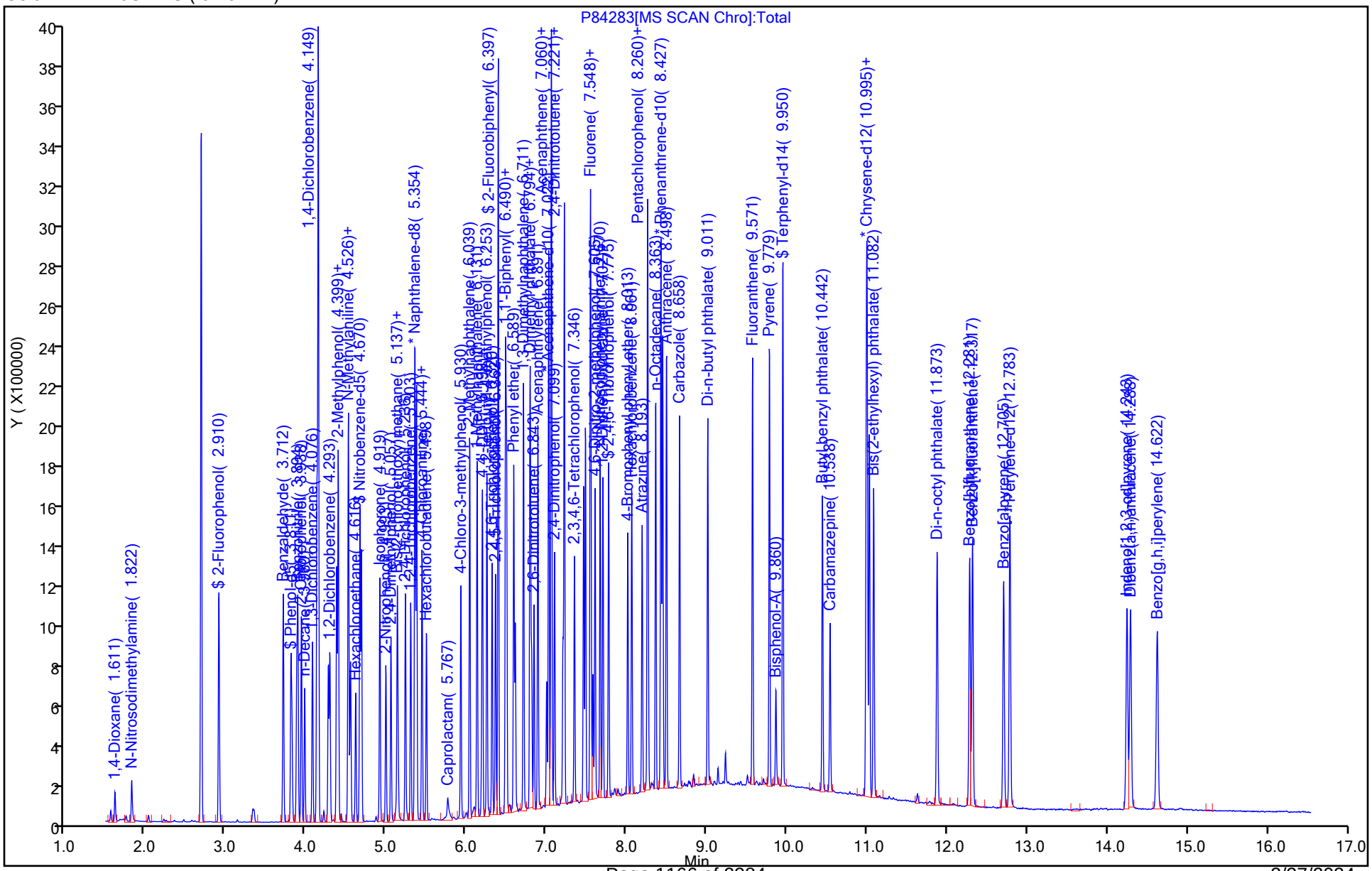
Report Date: 25-Mar-2024 08:33:57 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D

Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18	Operator ID:	
Lims ID:	460-300484-E-2-C MSD			Worklist Smp#:	34
Client ID:	MW-16R				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D
Lims ID: 460-300484-E-2-C MSD
Client ID: MW-16R
Sample Type: MSD
Inject. Date: 22-Mar-2024 17:24:30 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173674-034
Operator ID: Instrument ID: CBNAMS18

Method: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\8270LVI_18.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 08:33:56 Calib Date: 04-Mar-2024 17:02:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS18\20240304-172973.b\P83881.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 22-Mar-2024 18:09:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	7.50	75.04
$ 6 Phenol-d5	10.0	5.73	57.25
$ 28 Nitrobenzene-d5	10.0	11.5	115.23
$ 53 2-Fluorobiphenyl	10.0	10.6	105.72
$ 79 2,4,6-Tribromophenol	10.0	11.6	115.65
$ 97 Terphenyl-d14	10.0	8.23	82.35

Manual Integration/User Assign Peak Report

Eurofins Edison

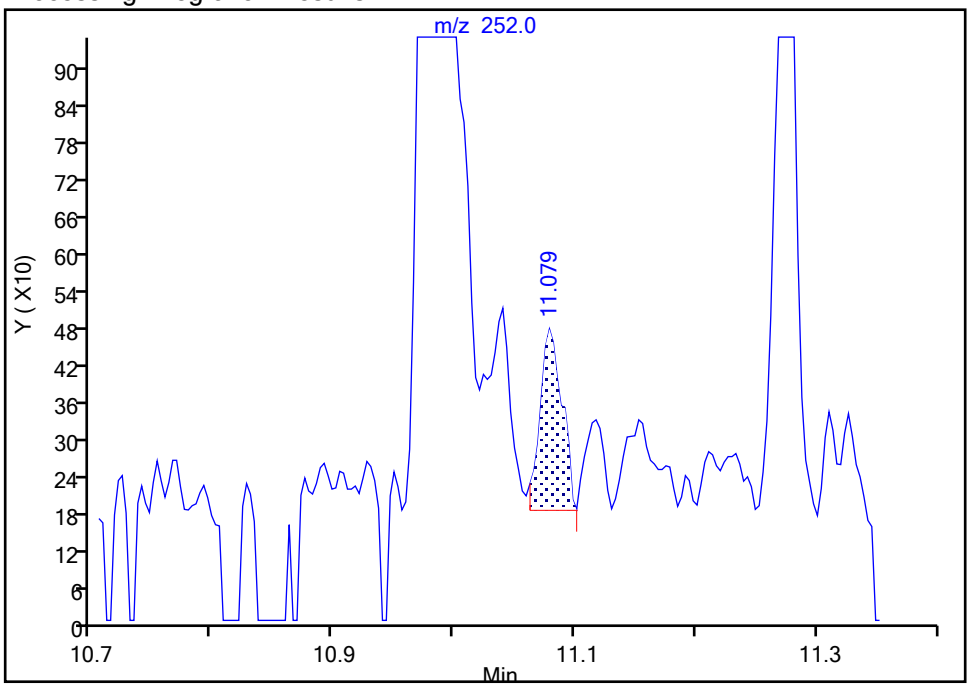
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D				
Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-C MSD				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

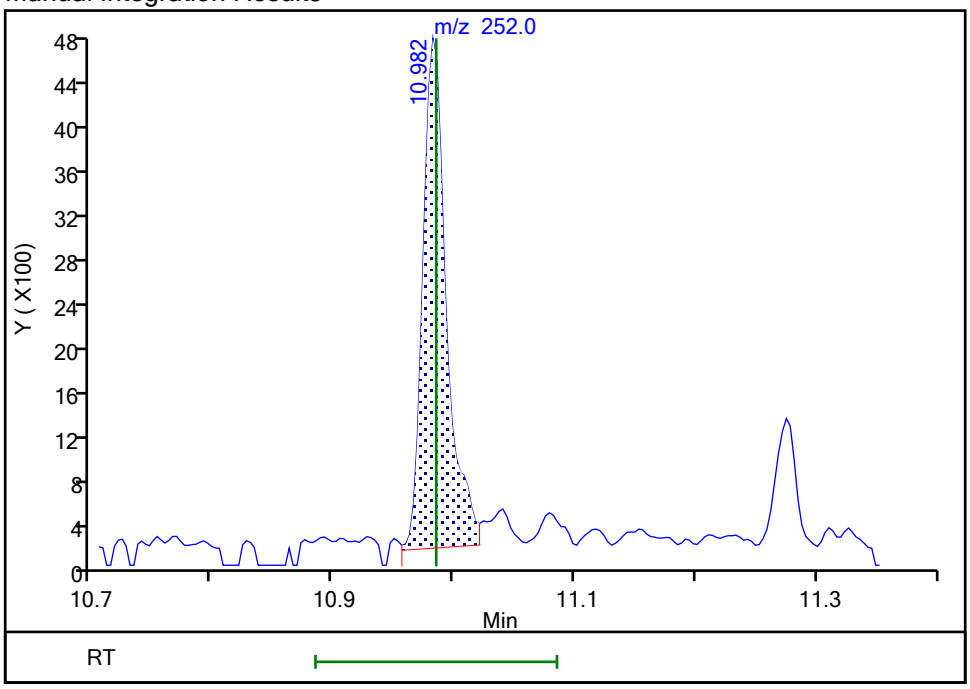
Processing Integration Results

RT: 11.08
Area: 369
Amount: 0.009237
Amount Units: ug/ml



Manual Integration Results

RT: 10.98
Area: 6252
Amount: 0.156511
Amount Units: ug/ml



Reviewer: V5XH, 25-Mar-2024 08:33:48 07:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Edison

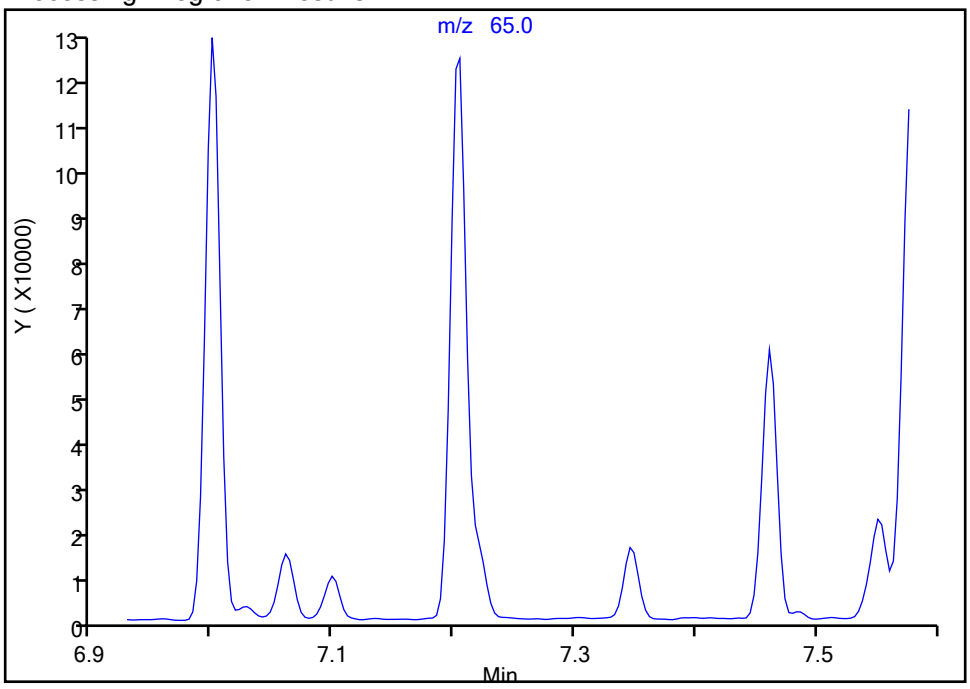
Data File:	\\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D				
Injection Date:	22-Mar-2024 17:24:30	Instrument ID:	CBNAMS18		
Lims ID:	460-300484-E-2-C MSD				
Client ID:	MW-16R				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_18	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 4-Nitrophenol, CAS: 100-02-7

Signal: 1

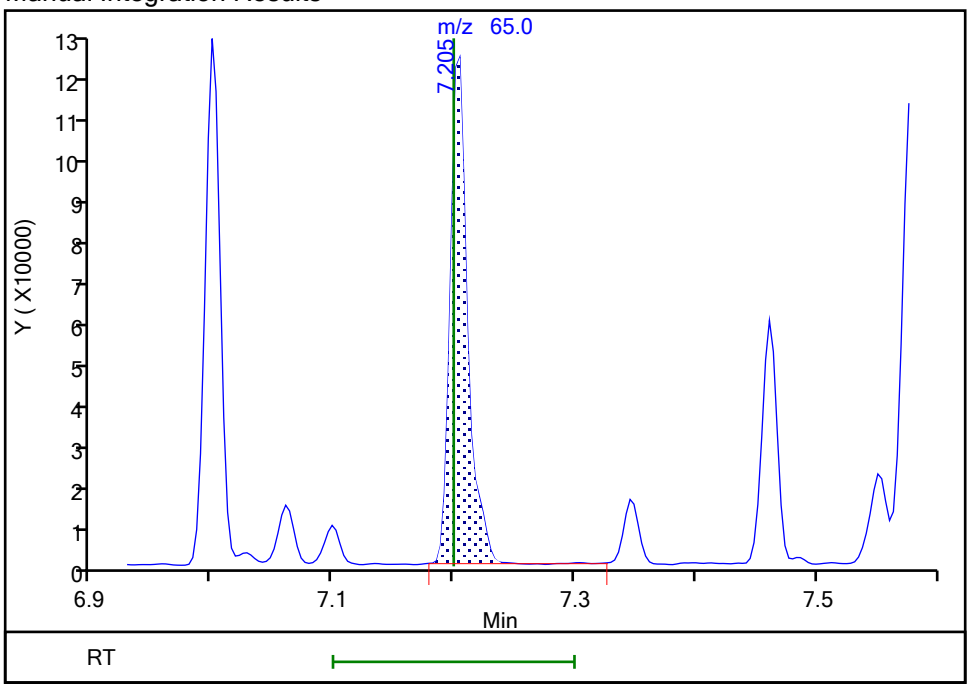
Not Detected
Expected RT: 7.20

Processing Integration Results



RT: 7.20
Area: 120825
Amount: 8.275127
Amount Units: ug/ml

Manual Integration Results



Reviewer: U6BX, 22-Mar-2024 18:09:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Edison

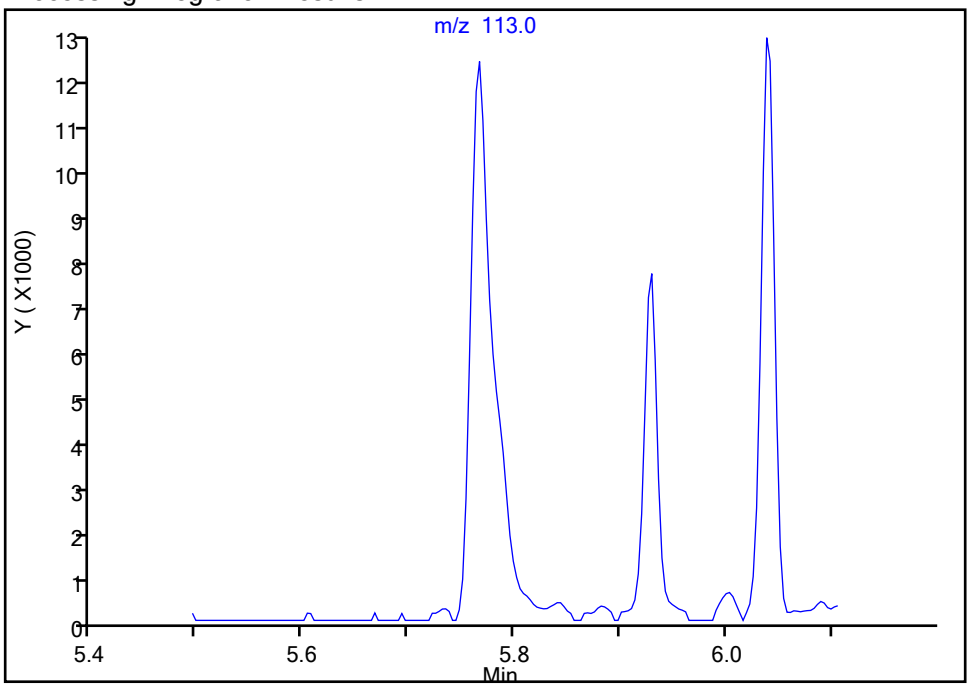
Data File: \\chromfs\Edison\ChromData\CBNAMS18\20240322-173674.b\P84283.D
Injection Date: 22-Mar-2024 17:24:30 Instrument ID: CBNAMS18
Lims ID: 460-300484-E-2-C MSD
Client ID: MW-16R
Operator ID: ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_18 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

44 Caprolactam, CAS: 105-60-2

Signal: 1

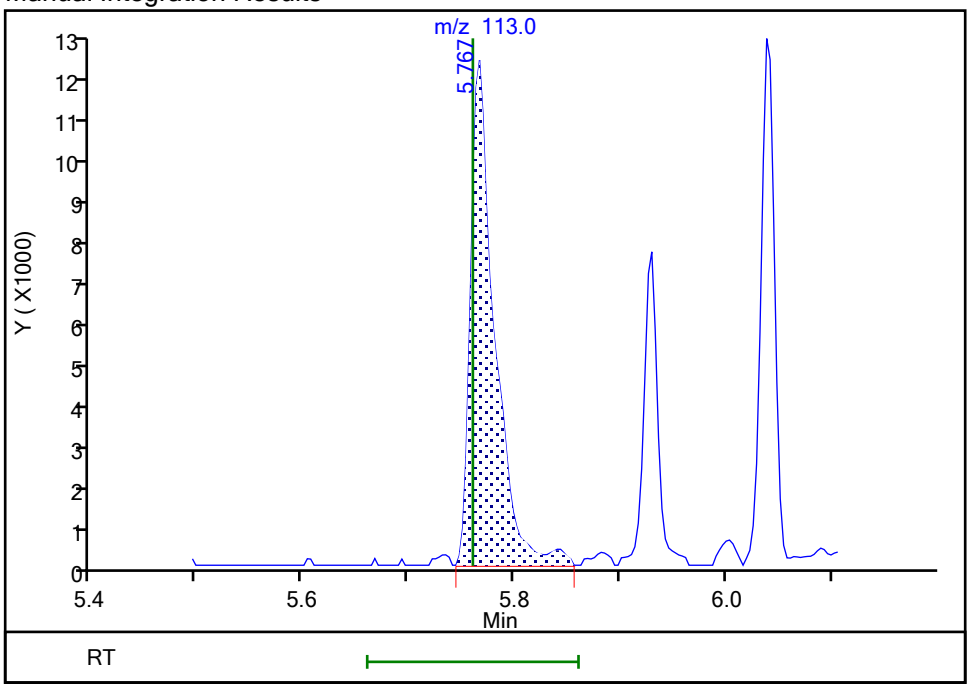
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.77
Area: 19437
Amount: 2.028203
Amount Units: ug/ml



Reviewer: U6BX, 22-Mar-2024 18:08:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-C MSD

Matrix: Water | Lab File ID: N49386.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
92-52-4	1,1'-Biphenyl	38.1		10	1.2
95-94-3	1,2,4,5-Tetrachlorobenzene	38.4		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	36.6		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	39.5		10	0.75
95-95-4	2,4,5-Trichlorophenol	37.4		10	0.88
88-06-2	2,4,6-Trichlorophenol	39.5		10	0.86
120-83-2	2,4-Dichlorophenol	36.2		10	1.1
105-67-9	2,4-Dimethylphenol	25.1		10	0.62
51-28-5	2,4-Dinitrophenol	85.9		40	2.6
121-14-2	2,4-Dinitrotoluene	42.3		10	1.0
606-20-2	2,6-Dinitrotoluene	41.8		2.0	0.83
91-58-7	2-Chloronaphthalene	38.0		10	1.2
95-57-8	2-Chlorophenol	31.6		10	0.38
91-57-6	2-Methylnaphthalene	39.0		10	0.53
95-48-7	2-Methylphenol	26.2		10	0.67
88-74-4	2-Nitroaniline	38.0		10	0.47
88-75-5	2-Nitrophenol	37.8		10	0.75
91-94-1	3,3'-Dichlorobenzidine	29.3		10	1.4
99-09-2	3-Nitroaniline	31.2		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	85.4		20	3.0
101-55-3	4-Bromophenyl phenyl ether	35.7		10	0.75
59-50-7	4-Chloro-3-methylphenol	33.4		10	0.58
106-47-8	4-Chloroaniline	27.1		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	39.2		10	1.3
106-44-5	4-Methylphenol	23.0		10	0.65
100-01-6	4-Nitroaniline	34.1		10	1.2
100-02-7	4-Nitrophenol	29.9		20	4.0
83-32-9	Acenaphthene	38.9		10	1.1
208-96-8	Acenaphthylene	36.3		10	0.82
98-86-2	Acetophenone	38.2		10	2.3
120-12-7	Anthracene	37.5		10	1.3
1912-24-9	Atrazine	50.7		2.0	1.3

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-C MSD

Matrix: Water | Lab File ID: N49386.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
100-52-7	Benzaldehyde	43.6		10	2.1
56-55-3	Benzo[a]anthracene	42.4		1.0	0.59
50-32-8	Benzo[a]pyrene	43.4		1.0	0.41
205-99-2	Benzo[b]fluoranthene	40.3		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	37.5		10	0.70
207-08-9	Benzo[k]fluoranthene	39.8		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	36.9		10	0.59
111-44-4	Bis(2-chloroethyl)ether	36.8		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	49.1		2.0	0.80
85-68-7	Butyl benzyl phthalate	48.3		10	0.85
105-60-2	Caprolactam	12.5		10	2.2
86-74-8	Carbazole	38.2		10	0.68
218-01-9	Chrysene	41.6		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	41.3		1.0	0.72
132-64-9	Dibenzofuran	38.9		10	1.1
84-66-2	Diethyl phthalate	41.9		10	0.98
131-11-3	Dimethyl phthalate	40.3		10	0.77
84-74-2	Di-n-butyl phthalate	46.3		10	0.84
117-84-0	Di-n-octyl phthalate	47.0		10	0.75
206-44-0	Fluoranthene	41.0		10	0.84
86-73-7	Fluorene	38.9		10	0.91
118-74-1	Hexachlorobenzene	37.6		1.0	0.40
87-68-3	Hexachlorobutadiene	38.9		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	22.3		10	3.6
67-72-1	Hexachloroethane	37.8		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	45.5		2.0	0.94
78-59-1	Isophorone	38.7		10	0.80
91-20-3	Naphthalene	37.3		2.0	0.54
98-95-3	Nitrobenzene	38.6		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	38.5		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	36.7		10	0.89
87-86-5	Pentachlorophenol	82.6		20	1.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-300522-E-4-C MSD

Matrix: Water | Lab File ID: N49386.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/23/2024 07:39

Sample wt/vol: 250(mL) | Date Analyzed: 03/23/2024 21:55

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 5(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 965598 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
85-01-8	Phenanthrene	37.4		10	1.3
108-95-2	Phenol	13.7		10	0.29
129-00-0	Pyrene	39.9		10	1.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	98		37-150
321-60-8	2-Fluorobiphenyl	87		46-139
367-12-4	2-Fluorophenol (Surr)	45		16-80
4165-60-0	Nitrobenzene-d5 (Surr)	91		51-145
4165-62-2	Phenol-d5 (Surr)	31		10-56
1718-51-0	Terphenyl-d14 (Surr)	51		13-150

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49386.d
Lims ID: 460-300522-E-4-C MSD
Client ID: MW-05_20240318
Sample Type: MSD
Inject. Date: 23-Mar-2024 21:55:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-020
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:42:11

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.814	1.801	0.013	92	154892	5.00	2.48	
	2 N-Nitrosodimethylamine	74	2.019	2.009	0.010	96	254142	5.00	2.68	
	3 Pyridine	79	2.054	2.038	0.016	97	247392	10.0	1.73	
$	4 2-Fluorophenol	112	3.107	3.098	0.009	97	651576	10.0	4.49	
	5 Benzaldehyde	77	3.902	3.896	0.006	96	655487	5.00	5.45	E
$	6 Phenol-d5	99	3.985	3.983	0.002	94	533345	10.0	3.14	
	7 Phenol	94	3.998	3.995	0.003	96	345860	5.00	1.72	
	8 Aniline	93	4.008	4.002	0.006	98	537355	5.00	2.46	
	9 Bis(2-chloroethyl)ether	93	4.062	4.063	-0.001	98	679809	5.00	4.60	
	10 Benzonitrile	103	4.081	4.082	-0.001	97	1346310	NC	NC	
	11 2-Chlorophenol	128	4.126	4.123	0.003	98	607227	5.00	3.94	
	12 n-Decane	43	4.161	4.158	0.003	89	560547	5.00	4.16	
	26 2-Toluidine	107	4.264	4.199	0.065	32	4206		NC	
	13 1,3-Dichlorobenzene	146	4.264	4.261	0.003	96	784886	5.00	4.55	
*	14 1,4-Dichlorobenzene-d4	152	4.318	4.315	0.003	95	857484	8.00	8.00	
	15 1,4-Dichlorobenzene	146	4.334	4.331	0.003	95	801925	5.00	4.62	
	16 Benzyl alcohol	108	4.452	4.452	0.000	96	339729	5.00	3.74	
	17 1,2-Dichlorobenzene	146	4.478	4.475	0.003	97	751690	5.00	4.62	
	18 2-Methylphenol	108	4.574	4.571	0.003	87	426456	5.00	3.28	
	19 2,2'-oxybis[1-chloropropane]	45	4.574	4.577	-0.003	94	731488	5.00	4.58	
	20 N-Methylaniline	106	4.698	4.695	0.003	96	830727	5.00	3.98	
	22 N-Nitrosodi-n-propylamine	70	4.705	4.705	0.000	71	445859	5.00	4.81	
	21 Acetophenone	105	4.705	4.705	0.000	93	948115	5.00	4.78	
	23 3 & 4 Methylphenol	108	4.721	4.721	0.000	59	419141	5.00	2.88	
	24 4-Methylphenol	108	4.721	4.721	0.000	92	419141	5.00	2.88	
	25 Hexachloroethane	117	4.801	4.798	0.003	96	292261	5.00	4.72	
$	27 Nitrobenzene-d5	82	4.849	4.849	0.000	84	1264291	10.0	9.12	
	28 Nitrobenzene	123	4.868	4.868	0.000	97	341003	5.00	4.82	
	29 n,n'-Dimethylaniline	120	4.868	4.868	0.000	93	747761	5.00	3.46	
	30 Isophorone	82	5.095	5.095	0.000	99	1177979	5.00	4.83	
	32 2-Nitrophenol	139	5.171	5.168	0.003	96	365518	5.00	4.72	
	33 2,4-Dimethylphenol	122	5.226	5.223	0.003	92	363123	5.00	3.14	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.306	5.306	0.000	98	750974	5.00	4.61	
35 Benzoic acid	122	5.302	5.335	-0.033	86	129778	5.00	2.33	
36 2,4-Dichlorophenol	162	5.411	5.411	0.000	97	522833	5.00	4.53	
37 1,2,4-Trichlorobenzene	180	5.481	5.479	0.002	94	618400	5.00	4.68	
* 38 Naphthalene-d8	136	5.536	5.533	0.003	99	3003173	8.00	8.00	
39 Naphthalene	128	5.555	5.555	0.000	99	1953670	5.00	4.66	
40 4-Chloroaniline	127	5.613	5.613	0.000	98	531400	5.00	3.38	
130 2,6-Dichlorophenol	162	5.619	5.619	0.000	99	517712	5.00	4.54	
41 Hexachlorobutadiene	225	5.673	5.674	-0.001	98	348892	5.00	4.86	
42 Caprolactam	113	5.929	5.933	-0.004	94	43335	5.00	1.57	
43 4-Chloro-3-methylphenol	107	6.092	6.092	0.000	95	440357	5.00	4.17	
44 2-Methylnaphthalene	142	6.217	6.214	0.003	88	1252719	5.00	4.88	
45 1-Methylnaphthalene	142	6.310	6.310	0.000	92	1141822	5.00	4.80	
46 Hexachlorocyclopentadiene	237	6.367	6.368	-0.001	98	236209	5.00	2.79	
47 1,2,4,5-Tetrachlorobenzene	216	6.377	6.374	0.003	98	592971	5.00	4.80	
48 2-tertbutyl-4-methylphenol	149	6.422	6.419	0.003	92	760659	5.00	5.21	
49 2,4,6-Trichlorophenol	196	6.492	6.489	0.003	91	372998	5.00	4.94	
50 2,4,5-Trichlorophenol	196	6.534	6.531	0.003	99	391151	5.00	4.68	
$ 51 2-Fluorobiphenyl	172	6.569	6.569	0.000	97	2423400	10.0	8.69	
52 1,1'-Biphenyl	154	6.665	6.662	0.003	95	1477340	5.00	4.77	
53 2-Chloronaphthalene	162	6.681	6.678	0.003	98	1154385	5.00	4.75	
54 Phenyl ether	170	6.764	6.764	0.000	84	798619	5.00	4.85	
55 2-Nitroaniline	65	6.783	6.781	0.003	96	353863	5.00	4.75	
57 1,3-Dimethylnaphthalene	156	6.889	6.889	0.000	92	907154	5.00	4.90	
59 Dimethyl phthalate	163	6.962	6.960	0.002	99	1223937	5.00	5.04	
60 Coumarin	146	6.975	6.972	0.003	84	407467	5.00	5.27	
61 2,6-Dinitrotoluene	165	7.014	7.014	0.000	95	290182	5.00	5.22	
62 Acenaphthylene	152	7.071	7.072	-0.001	98	1698688	5.00	4.54	
63 3-Nitroaniline	138	7.174	7.174	0.000	96	239706	5.00	3.90	
* 64 Acenaphthene-d10	164	7.209	7.206	0.003	96	1491721	8.00	8.00	
65 3,5-di-tert-butyl-4-hydroxytol	205	7.235	7.235	0.000	96	948422	5.00	4.85	
66 Acenaphthene	154	7.238	7.235	0.003	96	1041163	5.00	4.86	
67 2,4-Dinitrophenol	184	7.273	7.270	0.003	96	325703	10.0	10.7	
68 4-Nitrophenol	65	7.366	7.363	0.003	89	134215	10.0	3.74	
69 2,4-Dinitrotoluene	165	7.395	7.392	0.003	96	361482	5.00	5.29	
70 Dibenzofuran	168	7.401	7.401	0.000	97	1559303	5.00	4.86	
72 2,3,4,6-Tetrachlorophenol	232	7.523	7.523	0.000	96	307442	5.00	4.94	
73 Diethyl phthalate	149	7.632	7.632	0.000	99	1169965	5.00	5.24	
75 Fluorene	166	7.728	7.724	0.004	95	1209093	5.00	4.87	
74 4-Chlorophenyl phenyl ether	204	7.731	7.731	0.000	91	599552	5.00	4.90	
76 4-Nitroaniline	138	7.757	7.756	0.001	86	237335	5.00	4.26	
77 4,6-Dinitro-2-methylphenol	198	7.779	7.779	0.000	91	426093	10.0	10.7	
78 N-Nitrosodiphenylamine	169	7.846	7.846	0.000	96	850417	5.00	4.59	
131 Azobenzene	77	7.881	7.881	0.000	0	1116700	5.00	4.43	
79 1,2-Diphenylhydrazine	77	7.881	7.881	0.000	94	1116700	5.00	4.43	
$ 80 2,4,6-Tribromophenol	330	7.958	7.955	0.003	90	500746	10.0	9.82	
81 4-Bromophenyl phenyl ether	248	8.192	8.192	0.000	97	346981	5.00	4.46	
58 1-Naphthylamine	143	8.192	8.234	-0.043	49	23284		NC	
82 Hexachlorobenzene	284	8.247	8.246	0.001	94	472496	5.00	4.70	
83 Atrazine	200	8.362	8.358	0.004	95	359499	5.00	6.34	
84 Pentachlorophenol	266	8.442	8.441	0.001	96	525612	10.0	10.3	
85 Pentachloronitrobenzene	237	8.448	8.448	0.000	91	139697	5.00	5.03	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 n-Octadecane	57	8.535	8.534	0.001	90	668543	5.00	4.49	
* 87 Phenanthrene-d10	188	8.615	8.614	0.001	98	2506257	8.00	8.00	
88 Phenanthrene	178	8.638	8.637	0.001	98	1593320	5.00	4.68	
89 Anthracene	178	8.686	8.685	0.001	98	1632499	5.00	4.69	
90 Carbazole	167	8.846	8.845	0.001	96	1402916	5.00	4.77	
91 Di-n-butyl phthalate	149	9.189	9.190	-0.001	99	1754878	5.00	5.79	
92 Fluoranthene	202	9.766	9.765	0.001	97	1552275	5.00	5.12	
93 Benzidine	184	9.901	9.903	-0.002	99	46225	5.00	0.3617	
94 Pyrene	202	9.981	9.980	0.001	96	1594857	5.00	4.99	
95 Bisphenol-A	213	10.046	10.047	-0.001	99	234470	2.50	2.47	
$ 96 Terphenyl-d14	244	10.142	10.140	0.002	98	1256500	10.0	5.07	
97 Butyl benzyl phthalate	149	10.646	10.645	0.001	97	627925	5.00	6.04	
99 Carbamazepine	193	10.746	10.741	0.005	93	407076	5.00	5.00	
100 3,3'-Dichlorobenzidine	252	11.209	11.209	0.000	99	320029	5.00	3.66	
101 Benzo[a]anthracene	228	11.225	11.225	0.000	99	1282711	5.00	5.30	
* 102 Chrysene-d12	240	11.238	11.234	0.004	99	1566361	8.00	8.00	
104 Chrysene	228	11.267	11.263	0.004	98	1207317	5.00	5.20	
103 Bis(2-ethylhexyl) phthalate	149	11.305	11.302	0.003	86	862246	5.00	6.14	
105 Di-n-octyl phthalate	149	12.131	12.131	0.000	96	1390544	5.00	5.87	
106 Benzo[b]fluoranthene	252	12.574	12.572	0.002	98	1261127	5.00	5.04	
107 Benzo[k]fluoranthene	252	12.613	12.611	0.002	99	1276861	5.00	4.98	
108 Benzo[a]pyrene	252	13.017	13.014	0.003	98	1147894	5.00	5.42	
* 109 Perylene-d12	264	13.101	13.094	0.007	99	1758109	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.629	14.625	0.004	99	1336036	5.00	5.69	
111 Dibenz(a,h)anthracene	278	14.674	14.670	0.004	99	1355870	5.00	5.16	
112 Benzo[g,h,i]perylene	276	15.044	15.042	0.002	98	1274835	5.00	4.68	
S 119 Total Cresols	1				0			6.16	
127 4,4'-DDT	235	6.367	6.380	-0.013	76	147795		NR	

QC Flag Legend

Processing Flags

NR - Missing Quant Standard

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

sm_istd_lvi_00196 Amount Added: 20.00 Units: uL Run Reagent

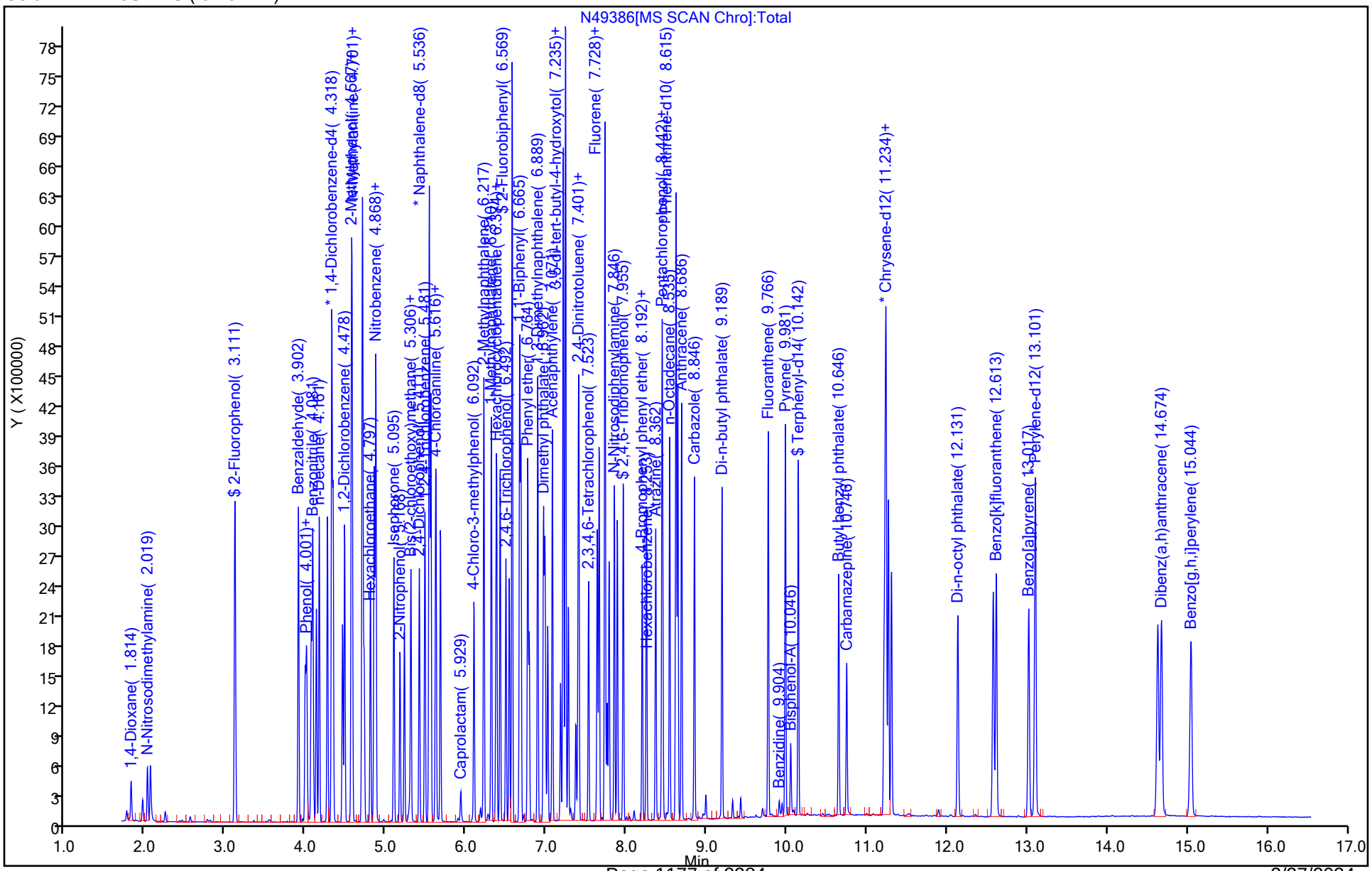
Report Date: 25-Mar-2024 08:04:44 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49386.d

Injection Date:	23-Mar-2024 21:55:30	Instrument ID:	CBNAMS14	Operator ID:	
Lims ID:	460-300522-E-4-C MSD			Worklist Smp#:	20
Client ID:	MW-05_20240318				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8270LVI_14	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\N49386.d
Lims ID: 460-300522-E-4-C MSD
Client ID: MW-05_20240318
Sample Type: MSD
Inject. Date: 23-Mar-2024 21:55:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173727-020
Operator ID: Instrument ID: CBNAMS14

Method: \\chromfs\Edison\ChromData\CBNAMS14\20240323-173727.b\8270LVI_14.m
Limit Group: SV 8270E ICAL
Last Update: 25-Mar-2024 07:53:25 Calib Date: 04-Mar-2024 16:11:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS14\20240304-172971.b\N48940.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1611

First Level Reviewer: U6BX Date: 24-Mar-2024 14:42:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	10.0	4.49	44.95
$ 6 Phenol-d5	10.0	3.14	31.38
$ 27 Nitrobenzene-d5	10.0	9.12	91.24
$ 51 2-Fluorobiphenyl	10.0	8.69	86.92
$ 80 2,4,6-Tribromophenol	10.0	9.82	98.24
$ 96 Terphenyl-d14	10.0	5.07	50.68

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CBNAMS14 Start Date: 03/04/2024 10:03

Analysis Batch Number: 962239 End Date: 03/04/2024 16:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-962239/1		03/04/2024 10:03	1	N48922.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-962239/2		03/04/2024 10:25	1	N48924.d	Rtxi-5Sil MS 0.25(mm)
STD24 460-962239/3 IC		03/04/2024 11:09	1	N48926.d	Rtxi-5Sil MS 0.25(mm)
STD16 460-962239/4 IC		03/04/2024 11:52	1	N48928.d	Rtxi-5Sil MS 0.25(mm)
STD4 460-962239/5 IC		03/04/2024 12:35	1	N48930.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-962239/6 IC		03/04/2024 13:17	1	N48932.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-962239/7 IC		03/04/2024 14:00	1	N48934.d	Rtxi-5Sil MS 0.25(mm)
STD04 460-962239/8 IC		03/04/2024 14:44	1	N48936.d	Rtxi-5Sil MS 0.25(mm)
STD02 460-962239/9 IC		03/04/2024 15:28	1	N48938.d	Rtxi-5Sil MS 0.25(mm)
STD01 460-962239/10 IC		03/04/2024 16:11	1	N48940.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-962239/11		03/04/2024 16:55	1	N48942.d	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CBNAMS14 Start Date: 03/23/2024 15:26

Analysis Batch Number: 965598 End Date: 03/24/2024 01:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965598/2		03/23/2024 15:26	1	N49368.d	Rtxi-5Sil MS 0.25(mm)
MB 460-965565/1-A		03/23/2024 16:10	1	N49370.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-965565/2-A		03/23/2024 16:32	1	N49371.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-965565/3-A		03/23/2024 16:56	1	N49372.d	Rtxi-5Sil MS 0.25(mm)
460-300430-1	MW-18R	03/23/2024 17:18	1	N49373.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 17:39	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 18:00	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 18:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 18:43	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 19:04	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 19:25	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 19:47	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 20:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 20:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 20:51	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 21:12	1		Rtxi-5Sil MS 0.25(mm)
460-300522-E-4-B MS		03/23/2024 21:34	1	N49385.d	Rtxi-5Sil MS 0.25(mm)
460-300522-E-4-C MSD		03/23/2024 21:55	1	N49386.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 22:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 22:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 22:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 23:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/23/2024 23:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/24/2024 00:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/24/2024 00:24	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/24/2024 01:07	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/04/2024 11:06

Analysis Batch Number: 962246 End Date: 03/04/2024 17:44

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-962246/1		03/04/2024 11:06	1	P83864a.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-962246/2		03/04/2024 11:22	1	P83865.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-962246/3 IC		03/04/2024 12:05	1	P83867.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-962246/4 IC		03/04/2024 12:47	1	P83869.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-962246/5 IC		03/04/2024 13:30	1	P83871.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-962246/6 IC		03/04/2024 14:12	1	P83873.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-962246/7 IC		03/04/2024 14:54	1	P83875.D	Rtxi-5Sil MS 0.25(mm)
STD04 460-962246/8 IC		03/04/2024 15:37	1	P83877.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-962246/9 IC		03/04/2024 16:19	1	P83879.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-962246/10 IC		03/04/2024 17:02	1	P83881.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-962246/11		03/04/2024 17:44	1	P83883.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/22/2024 06:07

Analysis Batch Number: 965372 End Date: 03/22/2024 18:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965372/2		03/22/2024 06:07	1	P84251.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 06:49	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 07:10	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 07:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 08:56	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:17	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:38	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 09:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 10:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 10:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 11:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 11:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 12:06	10		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 12:27	2		Rtxi-5Sil MS 0.25(mm)
MB 460-965454/1-A		03/22/2024 13:30	1	P84272.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 14:34	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 14:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 15:16	1		Rtxi-5Sil MS 0.25(mm)
460-300430-2	MW-15	03/22/2024 15:37	1	P84278.D	Rtxi-5Sil MS 0.25(mm)
460-300430-3	MW-13	03/22/2024 15:59	1	P84279.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 16:20	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 16:41	1		Rtxi-5Sil MS 0.25(mm)
460-300484-D-2-C MS		03/22/2024 17:03	1	P84282.D	Rtxi-5Sil MS 0.25(mm)
460-300484-E-2-C MSD		03/22/2024 17:24	1	P84283.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 17:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		03/22/2024 18:06	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CBNAMS18 Start Date: 03/22/2024 22:34

Analysis Batch Number: 965547 End Date: 03/23/2024 00:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-965547/2		03/22/2024 22:34	1	P84288.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-965454/17-A		03/22/2024 23:41	1	P84291.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-965454/18-A		03/23/2024 00:11	1	P84292.D	Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 962239 Batch Start Date: 03/04/24 10:03 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNAL1_LVI 00005	SV_BNAL2_LVI 00005	SV_BNAL3_LVI 00007	SV_BNAL4_LVI 00007
DFTPP 460-962239/1		8270E			1 mL	1 mL				
ICIS 460-962239/2		8270E			1 mL					
STD24 460-962239/3 IC		8270E			1 mL					
STD16 460-962239/4 IC		8270E			1 mL					
STD4 460-962239/5 IC		8270E			1 mL					
STD2 460-962239/6 IC		8270E			1 mL					
STD1 460-962239/7 IC		8270E			1 mL					1 mL
STD04 460-962239/8 IC		8270E			1 mL				1 mL	
STD02 460-962239/9 IC		8270E			1 mL			1 mL		
STD01 460-962239/10 IC		8270E			1 mL		1 mL			
ICV 460-962239/11		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
DFTPP 460-962239/1		8270E								
ICIS 460-962239/2		8270E					1 mL			
STD24 460-962239/3 IC		8270E							1 mL	
STD16 460-962239/4 IC		8270E						1 mL		
STD4 460-962239/5 IC		8270E				1 mL				
STD2 460-962239/6 IC		8270E			1 mL					
STD1 460-962239/7 IC		8270E								
STD04 460-962239/8 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 962239 Batch Start Date: 03/04/24 10:03 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
STD02 460-962239/9 IC		8270E								
STD01 460-962239/10 IC		8270E								
ICV 460-962239/11		8270E								1 mL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 962246 Batch Start Date: 03/04/24 11:06 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNAL1_LVI 00005	SV_BNAL2_LVI 00005	SV_BNAL3_LVI 00007	SV_BNAL4_LVI 00007
DFTPP 460-962246/1		8270E			1 mL	1 mL				
ICIS 460-962246/2		8270E			1 mL					
STD24 460-962246/3 IC		8270E			1 mL					
STD16 460-962246/4 IC		8270E			1 mL					
STD4 460-962246/5 IC		8270E			1 mL					
STD2 460-962246/6 IC		8270E			1 mL					
STD1 460-962246/7 IC		8270E			1 mL					1 mL
STD04 460-962246/8 IC		8270E			1 mL				1 mL	
STD02 460-962246/9 IC		8270E			1 mL			1 mL		
STD01 460-962246/10 IC		8270E			1 mL		1 mL			
ICV 460-962246/11		8270E			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
DFTPP 460-962246/1		8270E								
ICIS 460-962246/2		8270E					1 mL			
STD24 460-962246/3 IC		8270E							1 mL	
STD16 460-962246/4 IC		8270E						1 mL		
STD4 460-962246/5 IC		8270E				1 mL				
STD2 460-962246/6 IC		8270E			1 mL					
STD1 460-962246/7 IC		8270E								
STD04 460-962246/8 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 962246 Batch Start Date: 03/04/24 11:06 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNAL5_LVI 00007	SV_BNAL6_LVI 00008	SV_BNAL7_LVI 00008	SV_BNAL8_LVI 00007	SV_BNAL9_LVI 00006	SV_ICV_ LVI 00010
STD02 460-962246/9 IC		8270E								
STD01 460-962246/10 IC		8270E								
ICV 460-962246/11		8270E								1 mL

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965454 Batch Start Date: 03/22/24 09:13 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00020
MB 460-965454/1		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300430-G-2	MW-15	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300430-G-3	MW-13	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300484-D-2 MS		3510C, 8270E		T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-300484-E-2 MSD		3510C, 8270E		T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCS 460-965454/17		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-965454/18		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_BNA SPIK 00051	OP_BNASurroga 00027	AnalysisComment			
MB 460-965454/1		3510C, 8270E				200 uL				
460-300430-G-2	MW-15	3510C, 8270E	Water	T		200 uL				
460-300430-G-3	MW-13	3510C, 8270E	Water	T		200 uL				
460-300484-D-2 MS		3510C, 8270E		T	100 uL	200 uL				
460-300484-E-2 MSD		3510C, 8270E		T	100 uL	200 uL				
LCS 460-965454/17		3510C, 8270E			200 uL	200 uL	ADDED BY RN			
LCSD 460-965454/18		3510C, 8270E			200 uL	200 uL	ADDED BY RN			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965454 Batch Start Date: 03/22/24 09:13 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	10BDH5021
Analyst ID - Extraction	NP
Analyst ID - Spike Analyst	NP
Analyst ID - Spike Witness Analyst	AB
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	231050
Base Used to Adjust pH ID	23D0456203
Prep Solvent ID	Mithylene chloride (Dichloromethane) : 762001
Na2SO4 ID	230290
Analyst ID - Concentration	NP
Equipment ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21116173
Batch Comment	BNA Water

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965565 Batch Start Date: 03/23/24 07:39 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00020
MB 460-965565/1		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-965565/2		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-965565/3		3510C, 8270E			250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-300430-G-1	MW-18R	3510C, 8270E	Water	T	250 mL	2 mL	7 SU	<2 SU	>12 SU	
460-300522-E-4 MS		3510C, 8270E		T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-300522-E-4 MSD		3510C, 8270E		T	250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	OP_BNA SPIK 00051	OP_BNASurroga 00027				
MB 460-965565/1		3510C, 8270E				200 uL				
LCS 460-965565/2		3510C, 8270E			200 uL	200 uL				
LCSD 460-965565/3		3510C, 8270E			200 uL	200 uL				
460-300430-G-1	MW-18R	3510C, 8270E	Water	T		200 uL				
460-300522-E-4 MS		3510C, 8270E		T	100 uL	200 uL				
460-300522-E-4 MSD		3510C, 8270E		T	100 uL	200 uL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965565 Batch Start Date: 03/23/24 07:39 Batch Analyst: Patel, Nehaben M

Batch Method: 3510C Batch End Date:

Batch Notes	
Method/Fraction	3510C_LVI / 8270E
pH Indicator ID	10BDH5021
Analyst ID - Extraction	NP
Analyst ID - Spike Analyst	NP
Analyst ID - Spike Witness Analyst	AB
Sufficient Volume for Batch QC	Yes
Acid Used for pH Adjustment ID	231050
Base Used to Adjust pH ID	23D0456203
Prep Solvent ID	Mithylene chloride (Dichloromethane) : 762001
Na2SO4 ID	230290
Analyst ID - Concentration	NP
Equipment ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Vial Lot Number	21116173
Batch Comment	BNA Water

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8082A

Polychlorinated Biphenyls (PCBs) by Gas Chromatography

FORM II
PCBS SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCBP1 #	DCBP2 #
MW-18R	460-300430-1	84	70	100	86
MW-15	460-300430-2	88	83	108	106
MW-13	460-300430-3	90	86	102	100
	MB 460-965331/1-A	84	81	82	75
	LCS 460-965331/2-A	89	87	90	88
	LCSD 460-965331/3-A	86	81	88	86

	QC LIMITS
TCX = Tetrachloro-m-xylene	10-147
DCBP = DCB Decachlorobiphenyl	10-150

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031845.D

Lab ID: LCS 460-965331/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Aroclor 1016	4.00	2.92	73	48-123	
Aroclor 1016	4.00	3.17	79	48-123	
Aroclor 1260	4.00	3.08	77	47-129	
Aroclor 1260	4.00	3.17	79	47-129	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM III
PCBS LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 11F0031846.D

Lab ID: LCSD 460-965331/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Aroclor 1016	4.00	2.99	75	2	30	48-123	
Aroclor 1016	4.00	3.22	80	2	30	48-123	
Aroclor 1260	4.00	3.14	78	2	30	47-129	
Aroclor 1260	4.00	3.23	81	2	30	47-129	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: MB 460-965331/1-A

Matrix: Water Date Extracted: 03/21/2024 20:26

Lab File ID:(1) 11F0031844.D Lab File ID:(2) 11F0031844.D

Date Analyzed:(1) 03/22/2024 08:08 Date Analyzed:(2) 03/22/2024 08:08

Instrument ID:(1) CPESTGC11 Instrument ID:(2) CPESTGC11

GC Column:(1) Rtx-CLP ID: 0.53(mm) GC Column:(2) CLP-2 ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 460-965331/2-A	03/22/2024 08:25	03/22/2024 08:25
	LCSD 460-965331/3-A	03/22/2024 08:42	03/22/2024 08:42
MW-18R	460-300430-1	03/22/2024 14:48	03/22/2024 14:48
MW-15	460-300430-2	03/22/2024 15:05	03/22/2024 15:05
MW-13	460-300430-3	03/22/2024 15:22	03/22/2024 15:22

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: IC 460-951474/4 Date Analyzed: 12/21/2023 11:16

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 11F0029069.D Heated Purge: (Y/N) N

Calibration ID: 95502

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		46922711	1.44				
UPPER LIMIT		93845422	1.51				
LOWER LIMIT		23461356	1.37				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-951474/7		49659519	1.44				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: IC 460-951474/4 Date Analyzed: 12/21/2023 11:16

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 11F0029069.D Heated Purge: (Y/N) N

Calibration ID: 95503

		BNB					
		AREA #	RT #	#	RT #	#	RT #
INITIAL CALIBRATION MID-POINT		44138313	1.23				
UPPER LIMIT		88276626	1.30				
LOWER LIMIT		22069157	1.16				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-951474/7		46035912	1.23				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965367/2 Date Analyzed: 03/22/2024 05:54

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm)

Lab File ID (Standard): 11F0031836.D Heated Purge: (Y/N) N

Calibration ID: 95544

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		47107127	1.41				
UPPER LIMIT		94214254	1.48				
LOWER LIMIT		23553564	1.34				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965331/1-A		42448469	1.41				
LCS 460-965331/2-A		44566697	1.41				
LCSD 460-965331/3-A		44363439	1.41				
460-300430-1	MW-18R	54275886	1.41				
460-300430-2	MW-15	42674243	1.41				
460-300430-3	MW-13	43816686	1.41				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
PCBS INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Sample No.: CCVIS 460-965367/2 Date Analyzed: 03/22/2024 05:54

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm)

Lab File ID (Standard): 11F0031836.D Heated Purge: (Y/N) N

Calibration ID: 95545

		BNB					
		AREA #	RT #	#	RT #	#	RT #
12/24 HOUR STD		40132371	1.21				
UPPER LIMIT		80264742	1.28				
LOWER LIMIT		20066186	1.14				
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-965331/1-A		39973882	1.21				
LCS 460-965331/2-A		42664286	1.21				
LCSD 460-965331/3-A		41324611	1.21				
460-300430-1	MW-18R	42730388	1.21				
460-300430-2	MW-15	37947543	1.21				
460-300430-3	MW-13	39482305	1.21				

BNB = 1-Bromo-2-nitrobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.07 minutes of internal standard RT

Column used to flag values outside QC limits

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-965331/2-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 08:25 Date Analyzed (2): 03/22/2024 08:25

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	3.17	3.17	8.2
		2	2.51	2.48	2.54	3.13		
		3	2.71	2.67	2.73	3.15		
		4	2.99	2.96	3.02	3.15		
		5	3.13	3.10	3.16	3.16		
		6	3.20	3.16	3.22	3.21		
		7	3.58	3.55	3.61	3.13		
		8	4.01	3.98	4.04	3.23		
	2	1	2.86	2.83	2.89	3.02	2.92	
		2	3.35	3.32	3.38	2.82		
		3	3.89	3.86	3.92	2.97		
		4	4.05	4.02	4.08	2.90		
		5	4.18	4.15	4.21	2.92		
		6	4.63	4.60	4.66	2.92		
		7	4.77	4.75	4.81	2.95		
		8	5.14	5.11	5.17	2.84		
Aroclor 1260	1	1	4.97	4.94	5.00	3.20	3.17	2.8
		2	5.29	5.26	5.32	3.16		
		3	5.78	5.75	5.81	3.13		
		4	6.10	6.06	6.12	3.17		
		5	6.55	6.52	6.58	3.21		
		6	6.99	6.95	7.01	3.17		
		7	7.14	7.11	7.17	3.11		
		8	8.13	8.10	8.16	3.19		
	2	1	6.03	6.00	6.06	2.97	3.08	
		2	6.26	6.24	6.30	2.96		
		3	6.59	6.57	6.63	3.06		
		4	7.35	7.33	7.39	3.12		
		5	7.90	7.88	7.94	3.02		
		6	8.43	8.40	8.46	3.22		
		7	9.22	9.19	9.25	3.15		
		8	10.17	10.14	10.20	3.15		

FORM X
IDENTIFICATION SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-965331/3-A

Instrument ID (1): CPESTGC11 Instrument ID (2): CPESTGC11

Date Analyzed (1): 03/22/2024 08:42 Date Analyzed (2): 03/22/2024 08:42

GC Column (1): Rtx-CLP ID: 0.53(mm) GC Column (2): CLP-2 ID: 0.53(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
Aroclor 1016	1	1	2.15	2.12	2.18	3.35	3.22	7.4
		2	2.51	2.48	2.54	3.18		
		3	2.71	2.67	2.73	3.20		
		4	2.98	2.96	3.02	3.16		
		5	3.13	3.10	3.16	3.18		
		6	3.20	3.16	3.22	3.23		
		7	3.58	3.55	3.61	3.18		
		8	4.01	3.98	4.04	3.26		
	2	1	2.86	2.83	2.89	3.01	2.99	
		2	3.35	3.32	3.38	2.97		
		3	3.89	3.86	3.92	2.95		
		4	4.05	4.02	4.08	2.96		
		5	4.18	4.15	4.21	2.99		
		6	4.63	4.60	4.66	2.98		
		7	4.77	4.75	4.81	3.03		
		8	5.14	5.11	5.17	3.01		
Aroclor 1260	1	1	4.97	4.94	5.00	3.24	3.23	2.9
		2	5.29	5.26	5.32	3.25		
		3	5.78	5.75	5.81	3.15		
		4	6.10	6.06	6.12	3.24		
		5	6.55	6.52	6.58	3.27		
		6	6.99	6.95	7.01	3.15		
		7	7.14	7.11	7.17	3.27		
		8	8.13	8.10	8.16	3.27		
	2	1	6.03	6.00	6.06	3.01	3.14	
		2	6.26	6.24	6.30	2.99		
		3	6.59	6.57	6.63	3.07		
		4	7.35	7.33	7.39	3.13		
		5	7.90	7.88	7.94	3.09		
		6	8.43	8.40	8.46	3.29		
		7	9.22	9.19	9.25	3.25		
		8	10.17	10.14	10.20	3.28		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R Lab Sample ID: 460-300430-1

Matrix: Water Lab File ID: 11F0031867.D

Analysis Method: 8082A Date Collected: 03/20/2024 08:00

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 14:48

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-150
877-09-8	Tetrachloro-m-xylene	70		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D
Lims ID: 460-300430-D-1-A
Client ID: MW-18R
Sample Type: Client
Inject. Date: 22-Mar-2024 14:48:31 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-033
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.412	1.413	-0.001	54275886	20.0	
2	1.205	1.205	0.000	42730388	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.272	2.274	-0.002	149338322	70.1	
2	1.798	1.798	0.000	197146543	84.4	
					RPD = 18.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.794	10.799	-0.005	235107171	85.7	
2	9.128	9.128	0.000	253758002	99.7	
					RPD = 15.07	

QC Flag Legend

Processing Flags

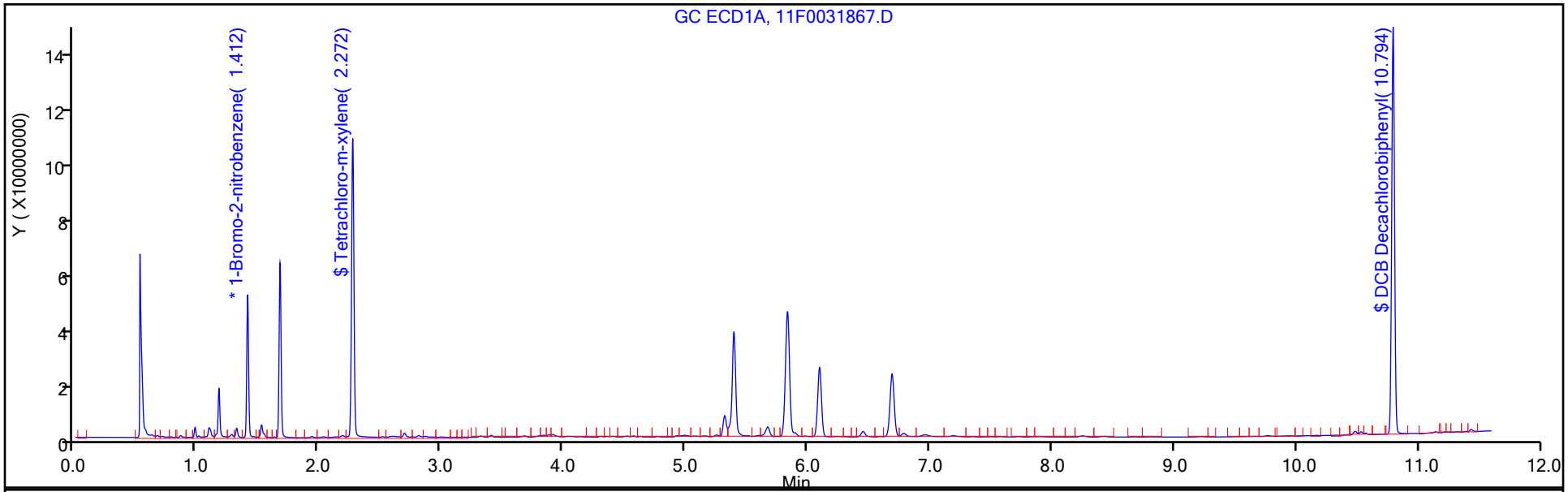
Reagents:

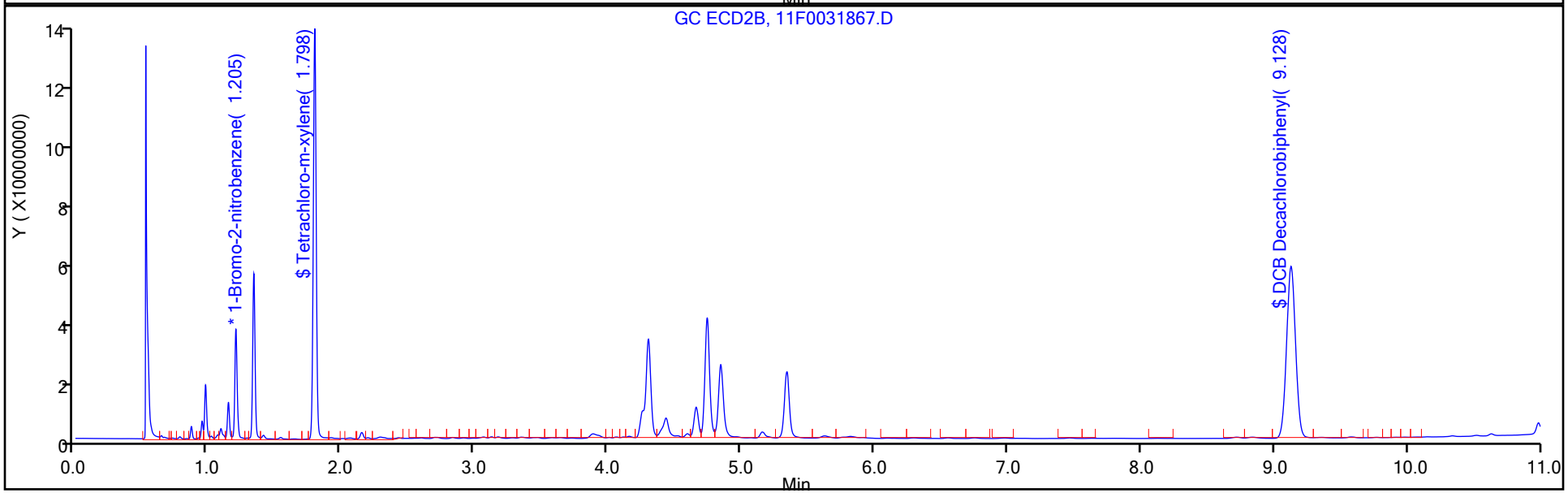
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 16:06:35 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D				
Injection Date:	22-Mar-2024 14:48:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-D-1-A	Lab Sample ID:	460-300430-1	Worklist Smp#:	33
Client ID:	MW-18R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D				
Lims ID:	460-300430-D-1-A				
Client ID:	MW-18R				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 14:48:31	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-033				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 16:06:28		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	70.1	70.08
$ 11 DCB Decachlorobiphenyl	100.0	85.7	85.68

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.4	84.35
$ 11 DCB Decachlorobiphenyl	100.0	99.7	99.65

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-18R | Lab Sample ID: 460-300430-1

Matrix: Water | Lab File ID: 11F0031867.D

Analysis Method: 8082A | Date Collected: 03/20/2024 08:00

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 14:48

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		10-150
877-09-8	Tetrachloro-m-xylene	84		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D
Lims ID: 460-300430-D-1-A
Client ID: MW-18R
Sample Type: Client
Inject. Date: 22-Mar-2024 14:48:31 ALS Bottle#: 33 Worklist Smp#: 33
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-033
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:28

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.412	1.413	-0.001	54275886	20.0	
2	1.205	1.205	0.000	42730388	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.272	2.274	-0.002	149338322	70.1	
2	1.798	1.798	0.000	197146543	84.4	
					RPD = 18.48	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.794	10.799	-0.005	235107171	85.7	
2	9.128	9.128	0.000	253758002	99.7	
					RPD = 15.07	

QC Flag Legend

Processing Flags

Reagents:

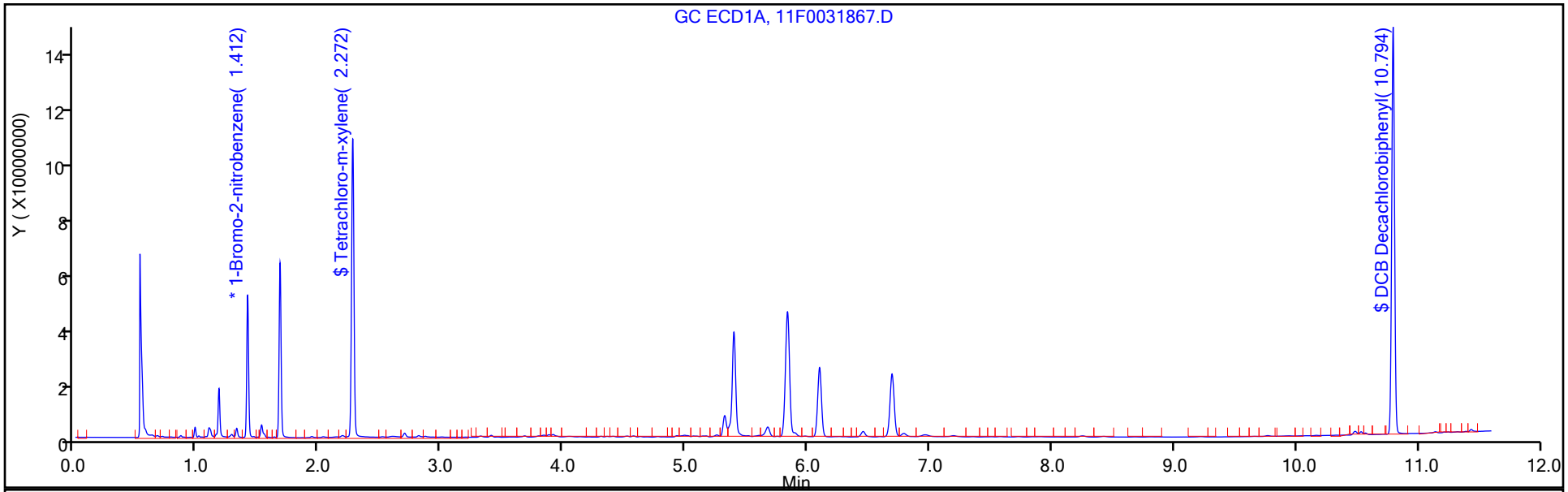
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

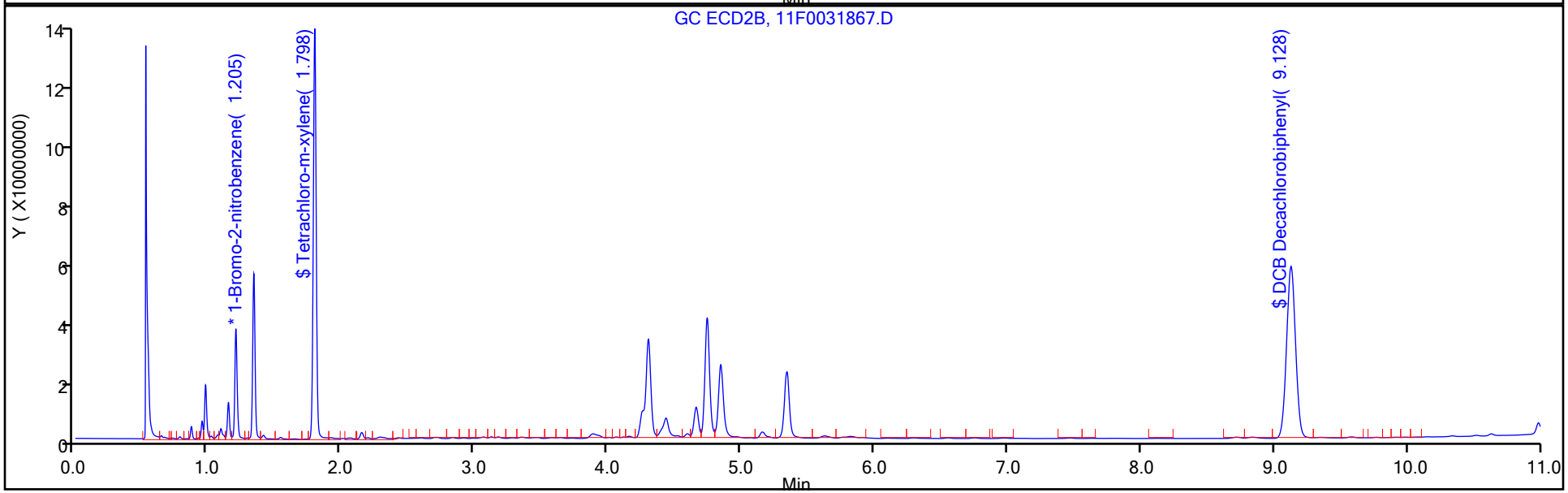
Report Date: 22-Mar-2024 16:06:36 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D

Injection Date:	22-Mar-2024 14:48:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-D-1-A	Lab Sample ID:	460-300430-1	Worklist Smp#:	33
Client ID:	MW-18R				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	33
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031867.D				
Lims ID:	460-300430-D-1-A				
Client ID:	MW-18R				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 14:48:31	ALS Bottle#:	33	Worklist Smp#:	33
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-033				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 16:06:28		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	70.1	70.08
$ 11 DCB Decachlorobiphenyl	100.0	85.7	85.68

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.4	84.35
$ 11 DCB Decachlorobiphenyl	100.0	99.7	99.65

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 Lab Sample ID: 460-300430-2

Matrix: Water Lab File ID: 11F0031868.D

Analysis Method: 8082A Date Collected: 03/20/2024 09:20

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 15:05

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	106		10-150
877-09-8	Tetrachloro-m-xylene	83		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D
Lims ID: 460-300430-F-2-A
Client ID: MW-15
Sample Type: Client
Inject. Date: 22-Mar-2024 15:05:14 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-034
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.412	1.413	-0.001	42674243	20.0	
2	1.206	1.205	0.001	37947543	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.272	2.274	-0.002	139777268	83.4	
2	1.799	1.798	0.001	182670041	88.0	
					RPD = 5.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.789	10.799	-0.010	227896339	105.6	
2	9.128	9.128	0.000	244920883	108.3	
					RPD = 2.49	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

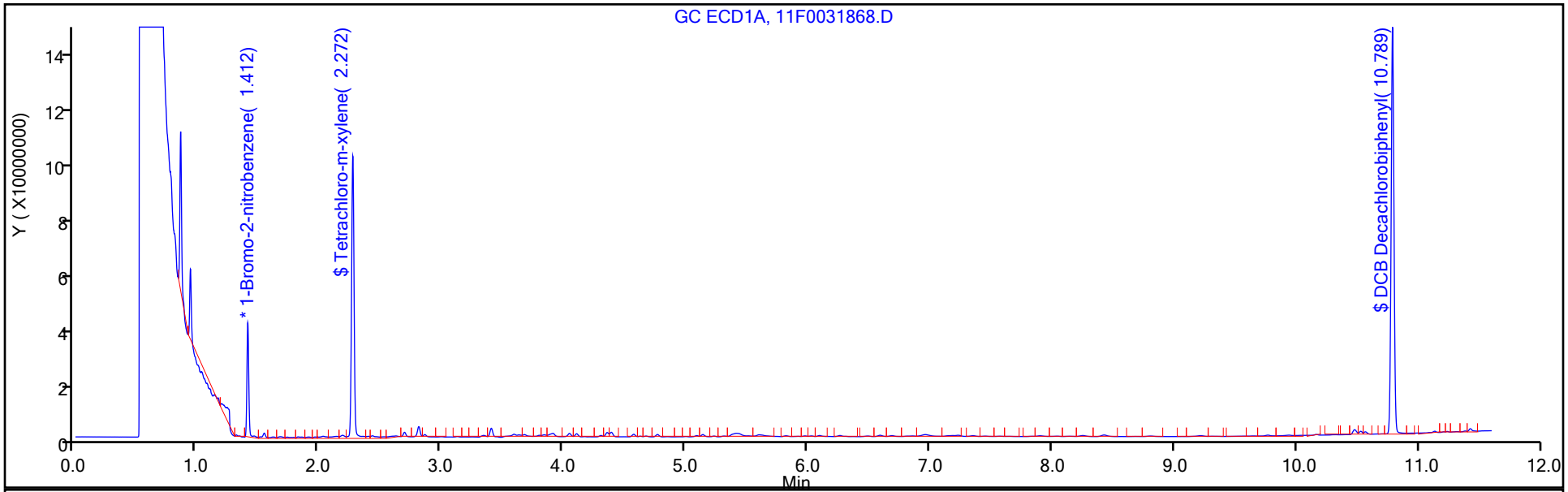
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

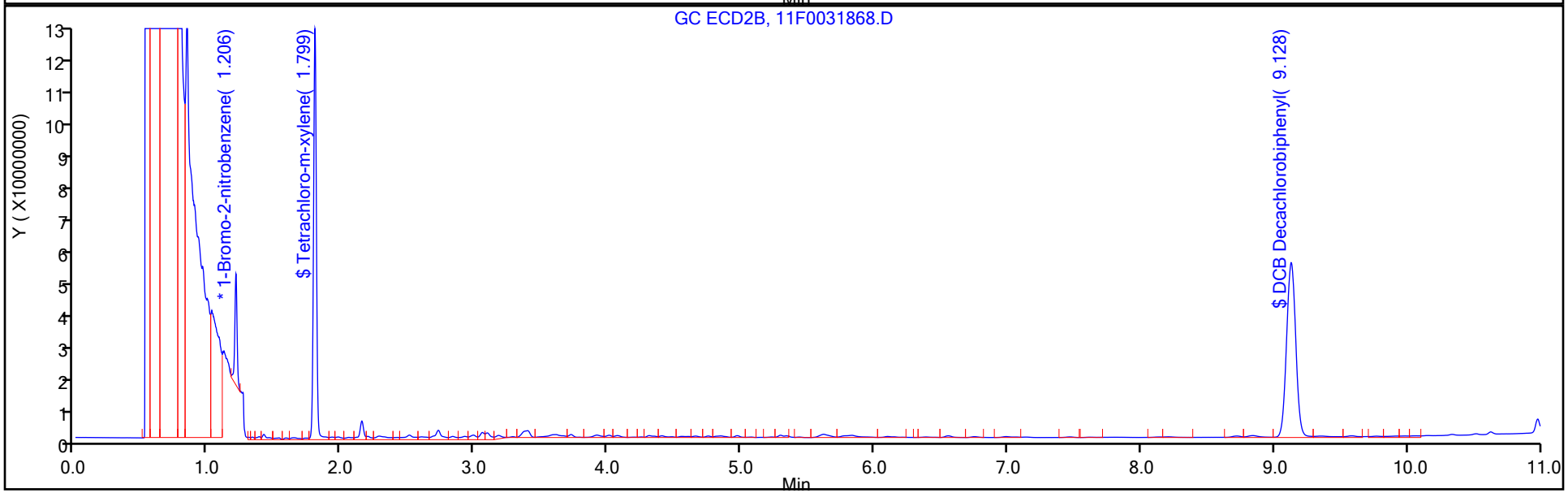
Report Date: 22-Mar-2024 16:06:37 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D

Injection Date:	22-Mar-2024 15:05:14	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-F-2-A	Lab Sample ID:	460-300430-2	Worklist Smp#:	34
Client ID:	MW-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D				
Lims ID:	460-300430-F-2-A				
Client ID:	MW-15				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 15:05:14	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-034				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer:	OR9X	Date:	22-Mar-2024 16:06:19		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	83.4	83.43
$ 11 DCB Decachlorobiphenyl	100.0	105.6	105.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	88.0	88.01
$ 11 DCB Decachlorobiphenyl	100.0	108.3	108.30

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Matrix: Water | Lab File ID: 11F0031868.D

Analysis Method: 8082A | Date Collected: 03/20/2024 09:20

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:05

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	108		10-150
877-09-8	Tetrachloro-m-xylene	88		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D
Lims ID: 460-300430-F-2-A
Client ID: MW-15
Sample Type: Client
Inject. Date: 22-Mar-2024 15:05:14 ALS Bottle#: 34 Worklist Smp#: 34
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-034
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						M
1	1.412	1.413	-0.001	42674243	20.0	
2	1.206	1.205	0.001	37947543	20.0	M
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.272	2.274	-0.002	139777268	83.4	
2	1.799	1.798	0.001	182670041	88.0	
					RPD = 5.34	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.789	10.799	-0.010	227896339	105.6	
2	9.128	9.128	0.000	244920883	108.3	
					RPD = 2.49	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

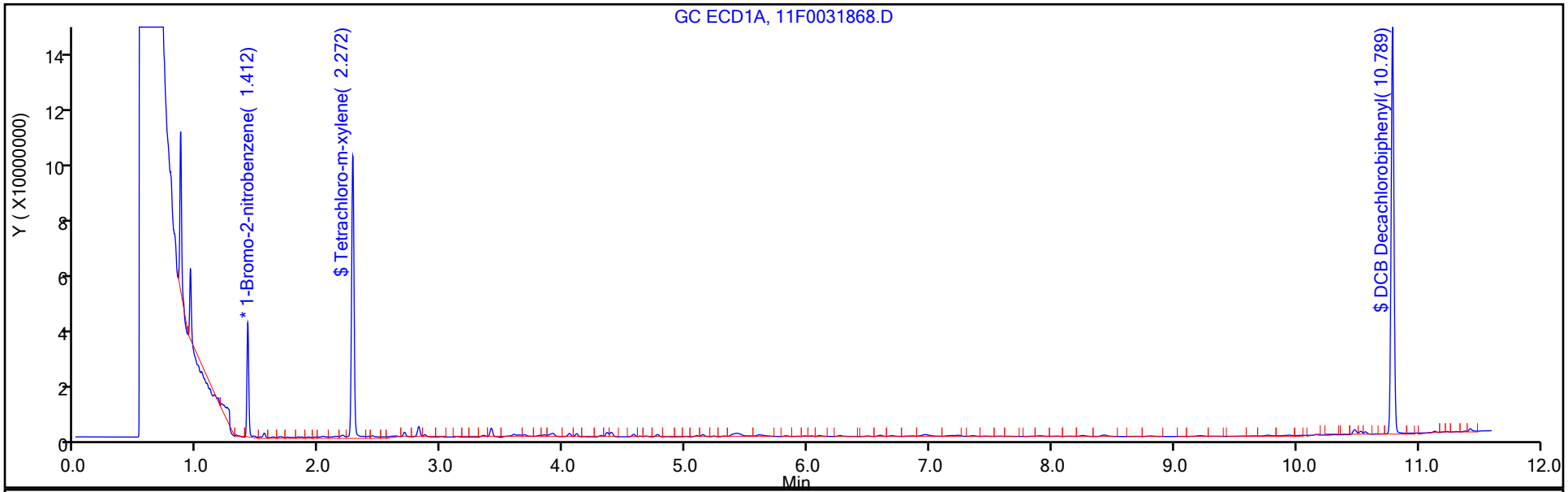
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

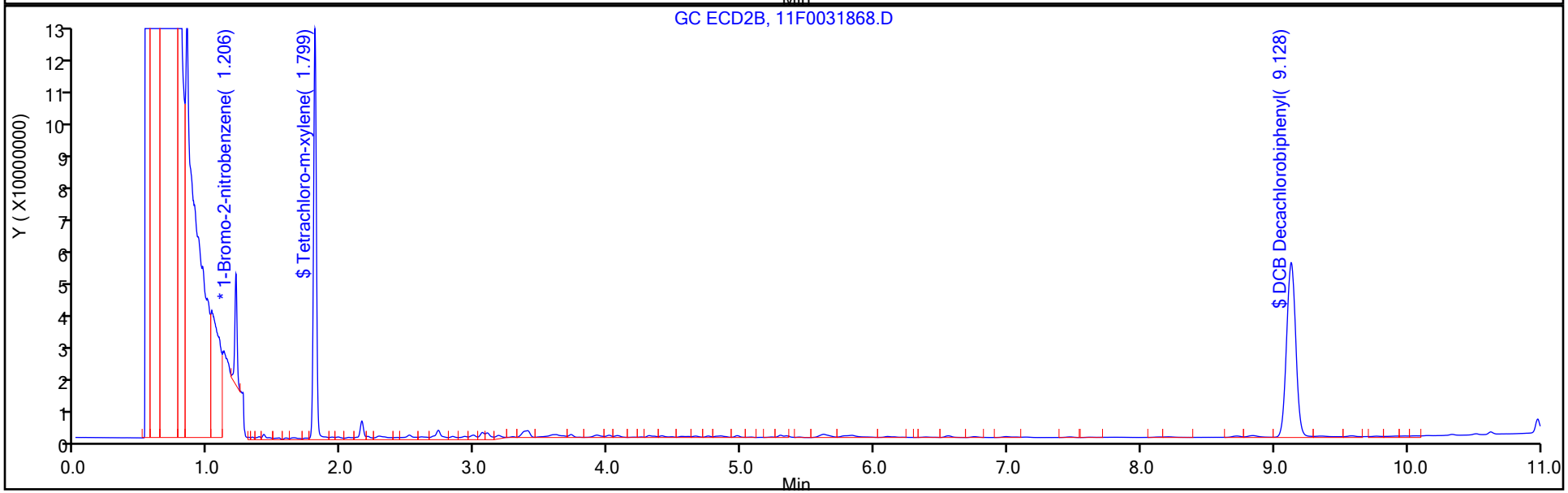
Report Date: 22-Mar-2024 16:06:38 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D

Injection Date:	22-Mar-2024 15:05:14	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-F-2-A	Lab Sample ID:	460-300430-2	Worklist Smp#:	34
Client ID:	MW-15				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D				
Lims ID:	460-300430-F-2-A				
Client ID:	MW-15				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 15:05:14	ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-034				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 16:06:19		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	83.4	83.43
$ 11 DCB Decachlorobiphenyl	100.0	105.6	105.64

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	88.0	88.01
$ 11 DCB Decachlorobiphenyl	100.0	108.3	108.30

Manual Integration/User Assign Peak Report

Eurofins Edison

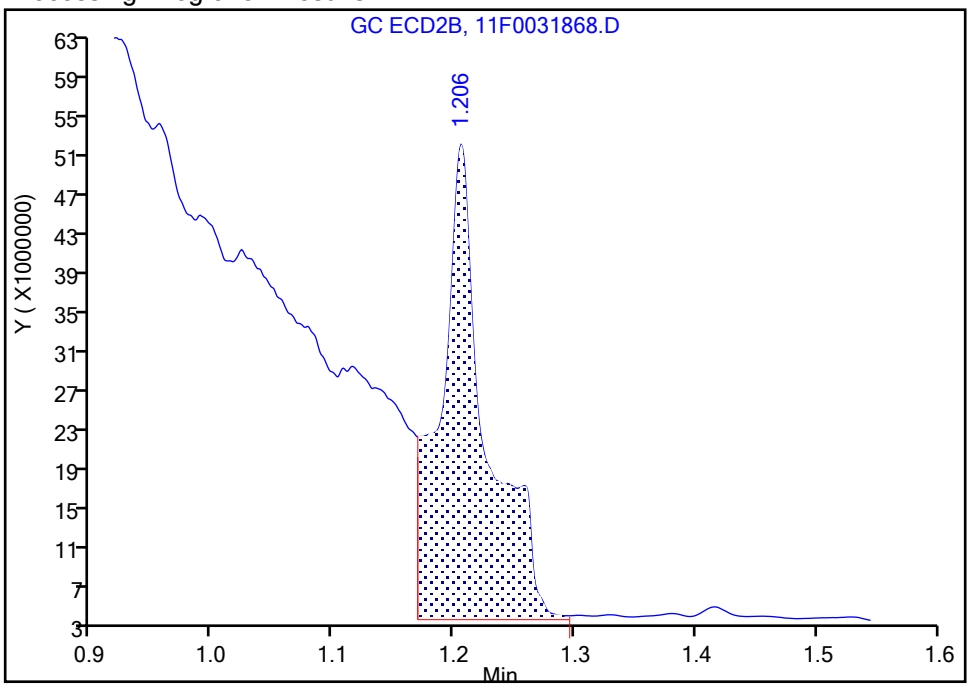
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031868.D				
Injection Date:	22-Mar-2024 15:05:14	Instrument ID:	CPESTGC11		
Lims ID:	460-300430-F-2-A	Lab Sample ID:	460-300430-2		
Client ID:	MW-15				
Operator ID:		ALS Bottle#:	34	Worklist Smp#:	34
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

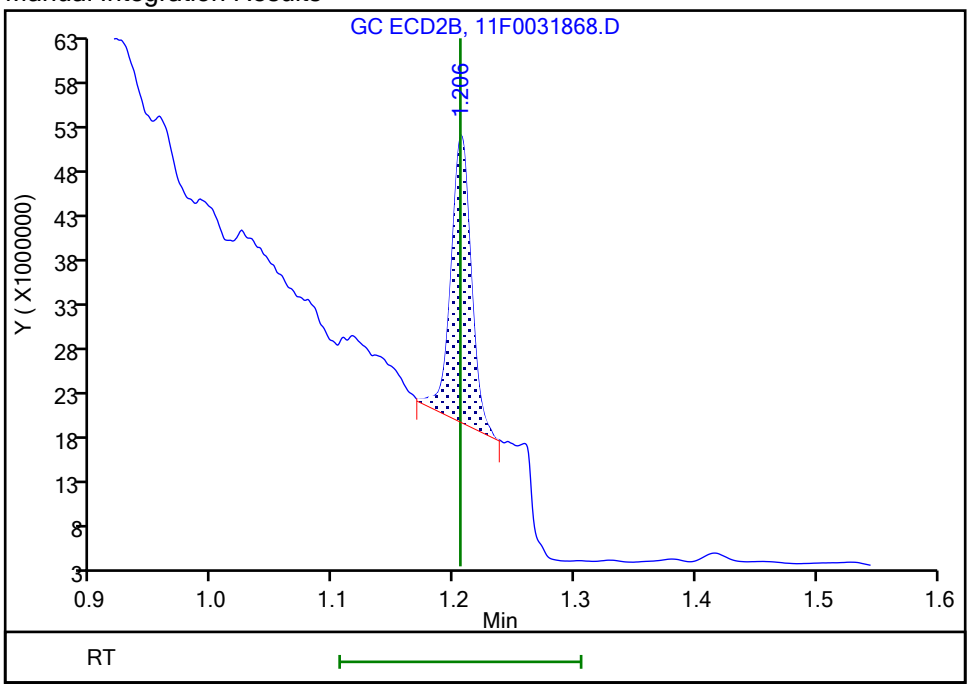
Processing Integration Results

RT: 1.21
Area: 126470627
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.21
Area: 37947543
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 22-Mar-2024 16:06:15 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Baseline Smoothing

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 Lab Sample ID: 460-300430-3

Matrix: Water Lab File ID: 11F0031869.D

Analysis Method: 8082A Date Collected: 03/20/2024 11:05

Extraction Method: 3510C Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) Date Analyzed: 03/22/2024 15:22

Con. Extract Vol.: 1(mL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	100		10-150
877-09-8	Tetrachloro-m-xylene	86		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D
Lims ID: 460-300430-E-3-A
Client ID: MW-13
Sample Type: Client
Inject. Date: 22-Mar-2024 15:22:00 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-035
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.413	1.413	0.000	43816686	20.0	
2	1.205	1.205	0.000	39482305	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	147261387	85.6	
2	1.799	1.798	0.001	193718241	89.7	
					RPD = 4.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.791	10.799	-0.008	221936261	100.2	
2	9.128	9.128	0.000	240401128	102.2	
					RPD = 1.96	

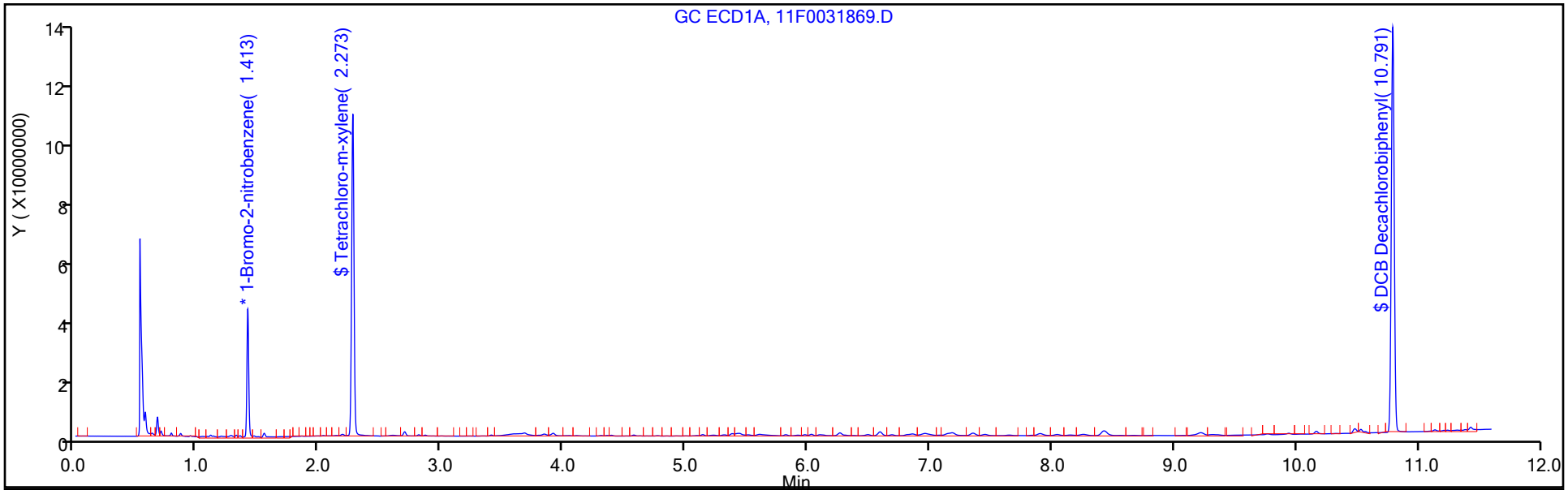
Reagents:

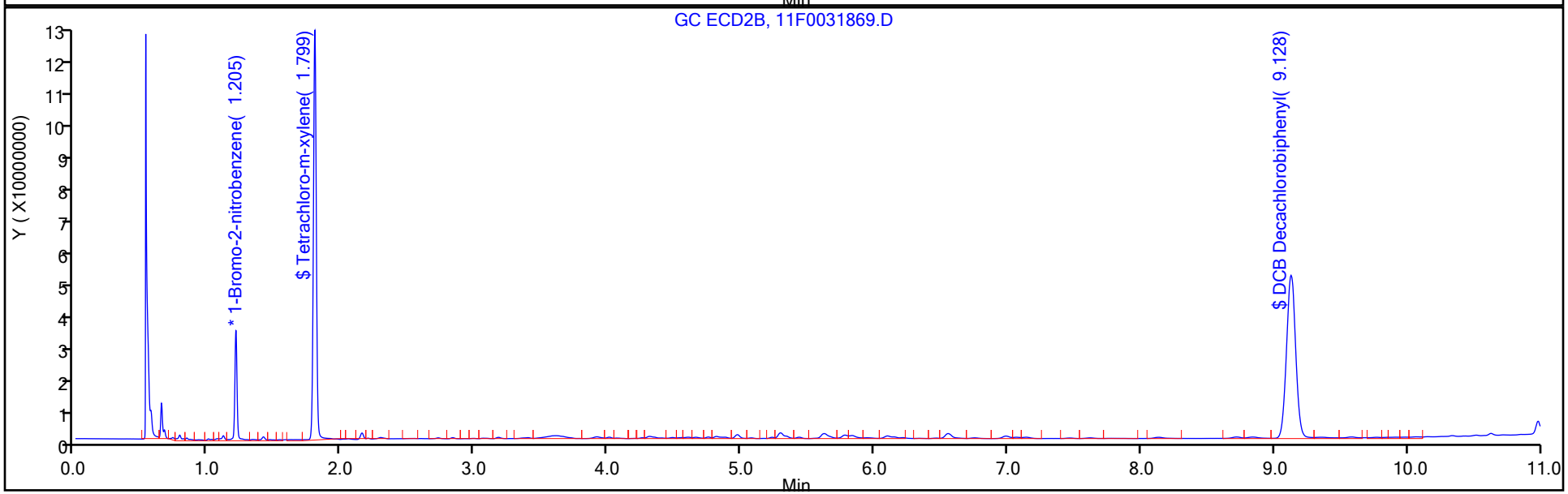
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 16:06:40 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D				
Injection Date:	22-Mar-2024 15:22:00	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-E-3-A	Lab Sample ID:	460-300430-3	Worklist Smp#:	35
Client ID:	MW-13				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D				
Lims ID:	460-300430-E-3-A				
Client ID:	MW-13				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 15:22:00	ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-035				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer:	OR9X	Date:	22-Mar-2024 16:06:00		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	85.6	85.61
$ 11 DCB Decachlorobiphenyl	100.0	100.2	100.19

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.7	89.71
$ 11 DCB Decachlorobiphenyl	100.0	102.2	102.17

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Matrix: Water | Lab File ID: 11F0031869.D

Analysis Method: 8082A | Date Collected: 03/20/2024 11:05

Extraction Method: 3510C | Date Extracted: 03/22/2024 08:44

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 15:22

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		10-150
877-09-8	Tetrachloro-m-xylene	90		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D
Lims ID: 460-300430-E-3-A
Client ID: MW-13
Sample Type: Client
Inject. Date: 22-Mar-2024 15:22:00 ALS Bottle#: 35 Worklist Smp#: 35
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-035
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 16:06:28 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 16:06:00

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene						
1	1.413	1.413	0.000	43816686	20.0	
2	1.205	1.205	0.000	39482305	20.0	
					RPD = 0.00	
$ 2 Tetrachloro-m-xylene						
1	2.273	2.274	-0.001	147261387	85.6	
2	1.799	1.798	0.001	193718241	89.7	
					RPD = 4.68	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl						
1	10.791	10.799	-0.008	221936261	100.2	
2	9.128	9.128	0.000	240401128	102.2	
					RPD = 1.96	

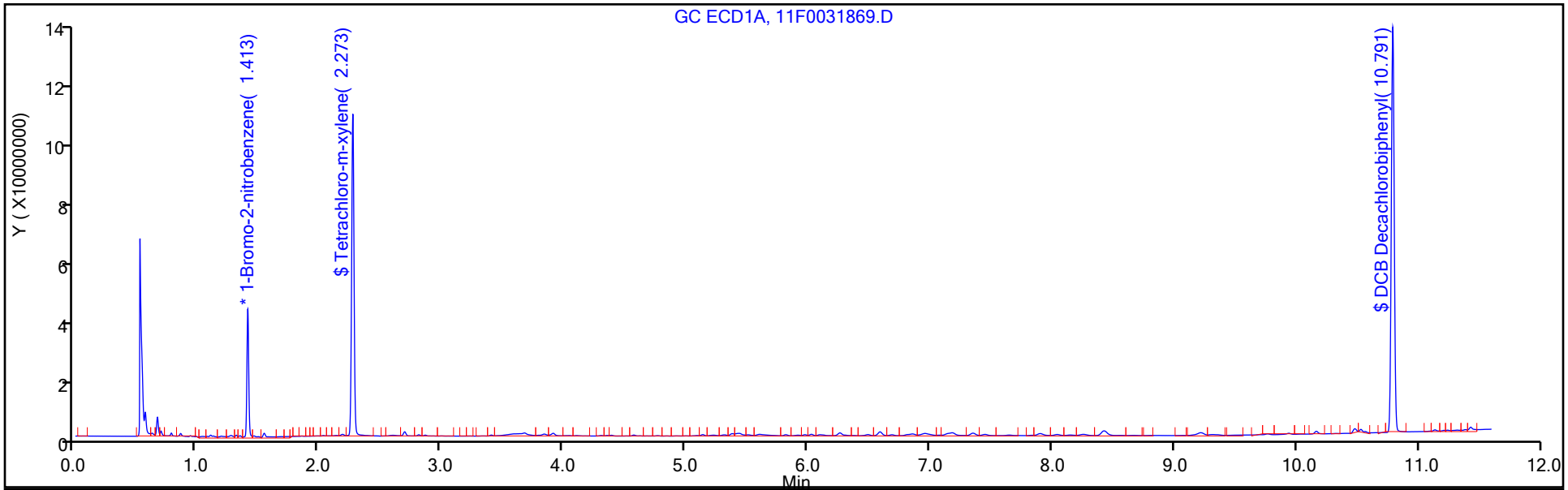
Reagents:

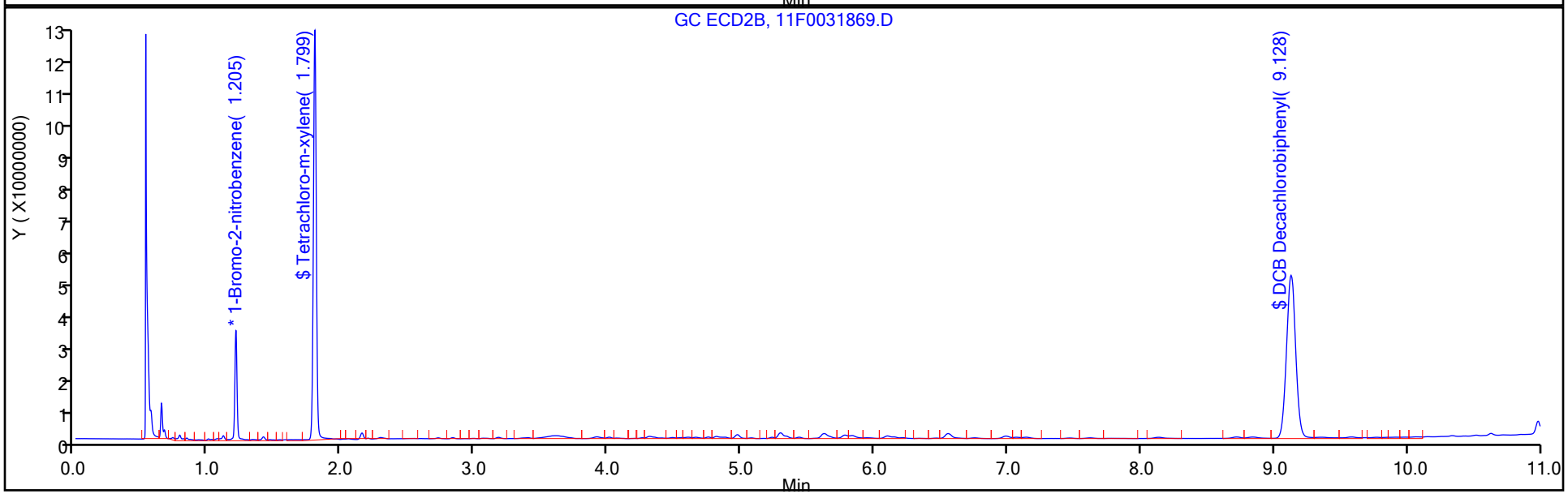
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 22-Mar-2024 16:06:41 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D				
Injection Date:	22-Mar-2024 15:22:00	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	460-300430-E-3-A	Lab Sample ID:	460-300430-3	Worklist Smp#:	35
Client ID:	MW-13				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	35
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031869.D				
Lims ID:	460-300430-E-3-A				
Client ID:	MW-13				
Sample Type:	Client				
Inject. Date:	22-Mar-2024 15:22:00	ALS Bottle#:	35	Worklist Smp#:	35
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-035				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 16:06:28	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer:	OR9X	Date:	22-Mar-2024 16:06:00		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	85.6	85.61
$ 11 DCB Decachlorobiphenyl	100.0	100.2	100.19

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.7	89.71
$ 11 DCB Decachlorobiphenyl	100.0	102.2	102.17

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 Calibration End Date: 12/21/2023 11:49 Calibration ID: 95502

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0177	0.0126	0.0132	0.0131	0.0138	Ave		0.0141				14.8		20.0			
PCB-1016 Peak 2	0.0342	0.0243	0.0241	0.0252	0.0252	Ave		0.0266				16.1		20.0			
PCB-1016 Peak 3	0.0754	0.0530	0.0563	0.0560	0.0604	Ave		0.0602				14.7		20.0			
PCB-1016 Peak 4	0.0335	0.0231	0.0244	0.0240	0.0258	Ave		0.0262				16.1		20.0			
PCB-1016 Peak 5	0.0266	0.0189	0.0199	0.0198	0.0213	Ave		0.0213				14.5		20.0			
PCB-1016 Peak 6	0.0232	0.0171	0.0180	0.0178	0.0192	Ave		0.0191				12.9		20.0			
PCB-1016 Peak 7	0.0276	0.0211	0.0224	0.0221	0.0239	Ave		0.0234				10.9		20.0			
PCB-1016 Peak 8	0.0192	0.0143	0.0150	0.0147	0.0160	Ave		0.0158				12.4		20.0			
PCB-1260 Peak 1	0.0211	0.0155	0.0163	0.0160	0.0171	Ave		0.0172				13.2		20.0			
PCB-1260 Peak 2	0.0492	0.0360	0.0382	0.0374	0.0405	Ave		0.0402				13.0		20.0			
PCB-1260 Peak 3	0.0574	0.0415	0.0443	0.0434	0.0466	Ave		0.0466				13.5		20.0			
PCB-1260 Peak 4	0.0517	0.0360	0.0391	0.0381	0.0402	Ave		0.0410				15.0		20.0			
PCB-1260 Peak 5	0.0567	0.0410	0.0442	0.0431	0.0465	Ave		0.0463				13.3		20.0			
PCB-1260 Peak 6	0.1327	0.0987	0.1096	0.1084	0.1162	Ave		0.1131				11.1		20.0			
PCB-1260 Peak 7	0.0956	0.0728	0.0798	0.0781	0.0833	Ave		0.0819				10.4		20.0			
PCB-1260 Peak 8	0.0461	0.0338	0.0364	0.0359	0.0385	Ave		0.0381				12.4		20.0			
Tetrachloro-m-xylene	0.7094	0.6962	0.7606	0.8489	0.9108	Ave		0.7852				11.8		20.0			
DCB Decachlorobiphenyl	0.9412	0.8950	0.9645	1.0769	1.1778	Ave		1.0111				11.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 | Calibration End Date: 12/21/2023 11:49 | Calibration ID: 95502

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	2188151	16255093	30989753	48489847	81383757	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	4223694	31454328	56549644	92838479	148529605	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	9297948	68510953	132034521	206808218	355157973	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	4136964	29919270	57209078	88653253	151849646	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	3282683	24414583	46733399	72982607	125187388	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2867020	22124788	42162642	65744755	112720699	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	3410303	27314829	52500353	81717890	140349801	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	2365617	18495863	35192510	54277213	93849072	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	2605337	20018197	38331023	58932415	100646473	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	6068344	46610282	89510822	137986133	238068015	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	7083725	53611368	103945376	160244020	274300092	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	6376198	46565417	91808566	140806902	236550765	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	6992854	52959292	103608632	159252426	273597625	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	16375265	127650869	257193492	399954742	683564638	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	11796431	94080806	187146008	288247525	489848240	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	5687339	43723017	85469226	132597851	226327114	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	21883422	90034277	178455651	313322798	428675139	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	29033415	115731873	226288336	397495474	554329071	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Dec-2023 10:43:02 ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:11:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49355200	20.0	20.0	M
2	1.227	1.227	0.000	46187507	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	21883422	12.5	11.3	M
2	1.830	1.829	0.001	30347867	12.5	12.0	
						RPD = 6.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	2188151	50.0	62.9	M
1	3.402	3.403	-0.001	4223694	50.0	64.3	M
1	3.947	3.947	0.000	9297948	50.0	62.6	M
1	4.112	4.111	0.001	4136964	50.0	64.0	M
1	4.237	4.238	-0.001	3282683	50.0	62.5	M
1	4.688	4.689	-0.001	2867020	50.0	61.0	M
1	4.837	4.838	-0.001	3410303	50.0	59.0	M
1	5.204	5.204	0.000	2365617	50.0	60.6	M
		Average of Peak Amounts =				62.1	
2	2.188	2.189	-0.001	3200491	50.0	67.1	
2	2.549	2.549	0.000	5524244	50.0	63.6	M
2	2.750	2.750	0.000	3539850	50.0	62.1	M
2	3.029	3.030	-0.001	10829358	50.0	59.8	M
2	3.176	3.176	0.000	4636036	50.0	60.9	M
2	3.242	3.242	0.000	2978735	50.0	60.1	M
2	3.633	3.633	0.000	4974778	50.0	61.7	M
2	4.062	4.062	0.000	2552839	50.0	61.6	M
		Average of Peak Amounts =				62.1	
						RPD = 0.02	
8 PCB-1260							M
1	6.107	6.108	-0.001	2605337	50.0	61.4	
1	6.346	6.346	0.000	6068344	50.0	61.1	M
1	6.677	6.679	-0.002	7083725	50.0	61.5	
1	7.454	7.455	-0.001	6376198	50.0	63.0	
1	8.017	8.015	0.002	6992854	50.0	61.2	
1	8.544	8.544	0.000	16375265	50.0	58.7	
1	9.348	9.350	-0.002	11796431	50.0	58.4	M
1	10.236	10.236	0.000	5687339	50.0	60.4	
		Average of Peak Amounts =				60.7	
2	5.026	5.026	0.000	6978450	50.0	61.9	
2	5.350	5.351	-0.001	12601178	50.0	60.2	
2	5.842	5.841	0.001	8244513	50.0	66.7	
2	6.167	6.166	0.001	10887512	50.0	60.7	
2	6.631	6.628	0.003	18113436	50.0	59.5	
2	7.069	7.072	-0.003	8499354	50.0	59.1	
2	7.223	7.219	0.004	5960601	50.0	63.3	
2	8.232	8.233	-0.001	5988575	50.0	60.7	
		Average of Peak Amounts =				61.5	
						RPD = 1.31	
$ 11 DCB Decachlorobiphenyl							M
1	10.857	10.856	0.001	29033415	12.5	11.6	M
2	9.240	9.242	-0.002	33668369	12.5	12.2	
						RPD = 4.99	
S 12 Polychlorinated biphenyls, Total							
1						122.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

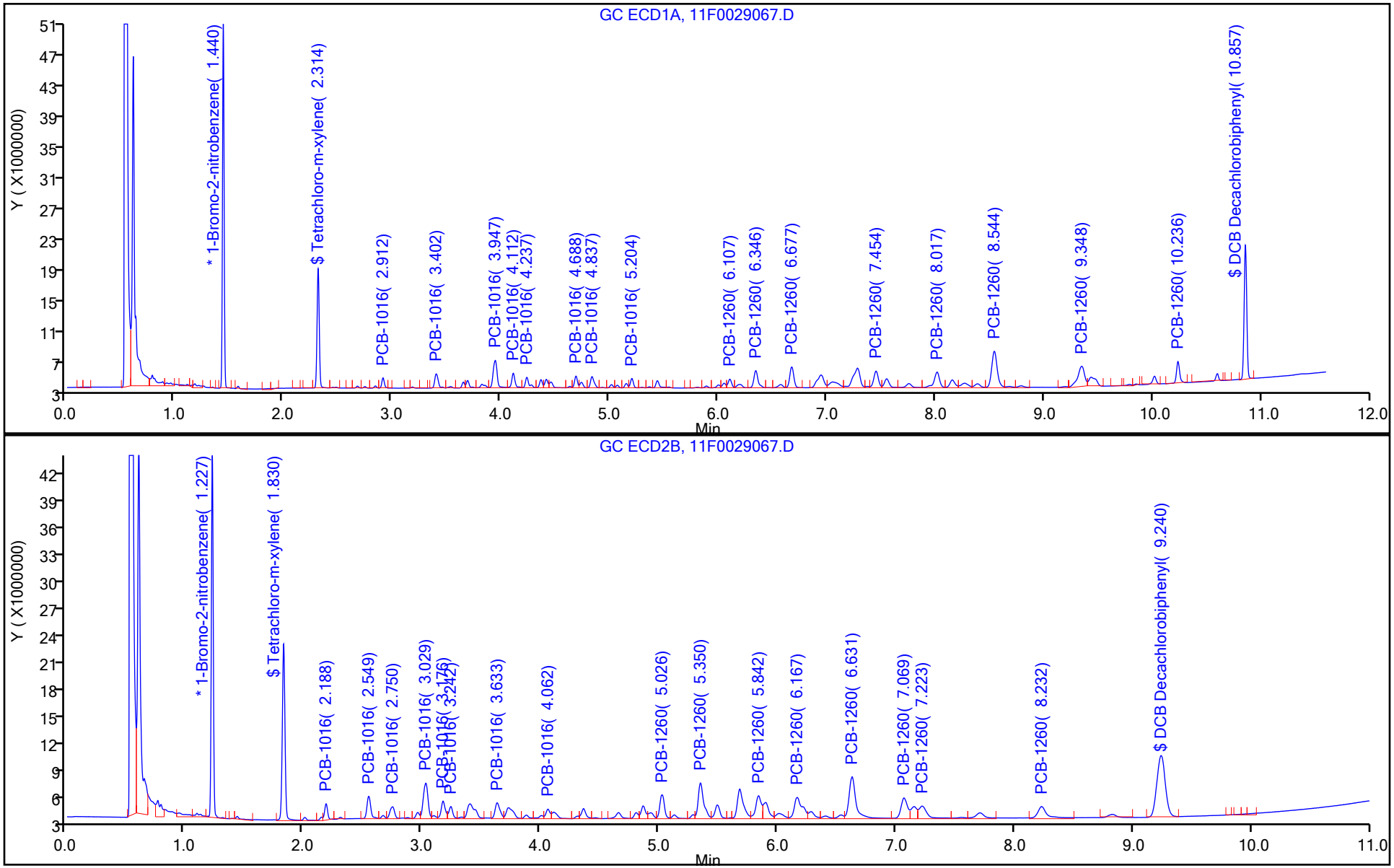
SG1660L1_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D

Injection Date:	21-Dec-2023 10:43:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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Eurofins Edison

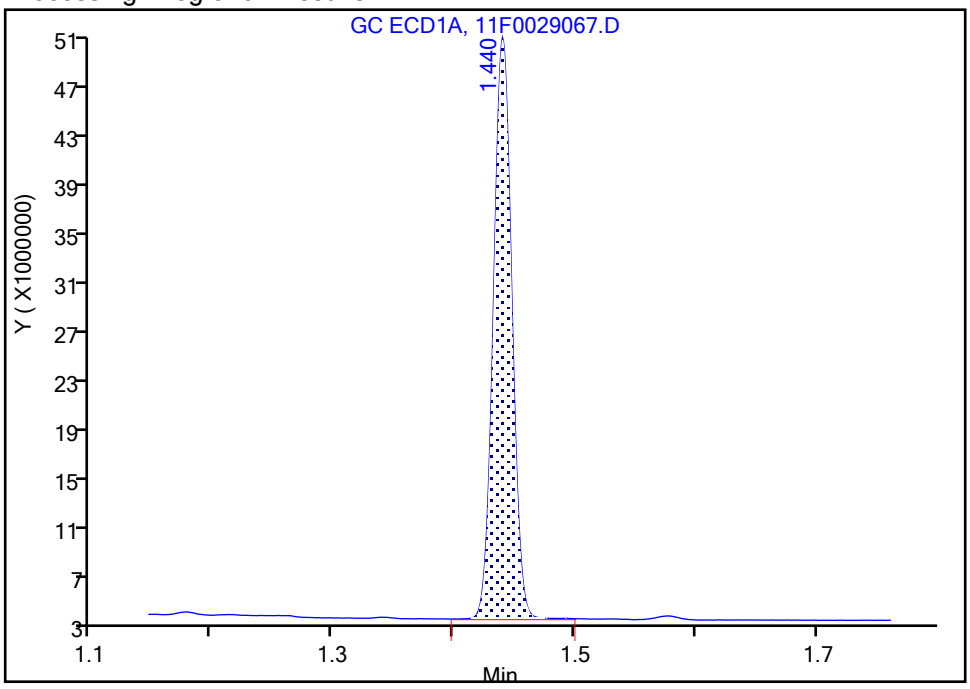
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

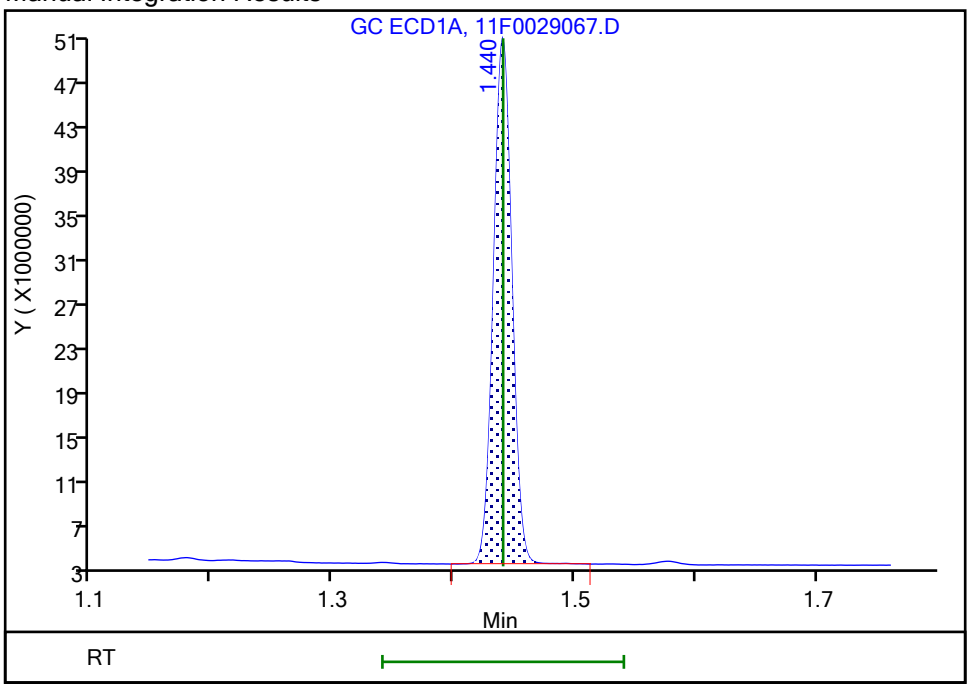
Processing Integration Results

RT: 1.44
Area: 49100398
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 49355200
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:22 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

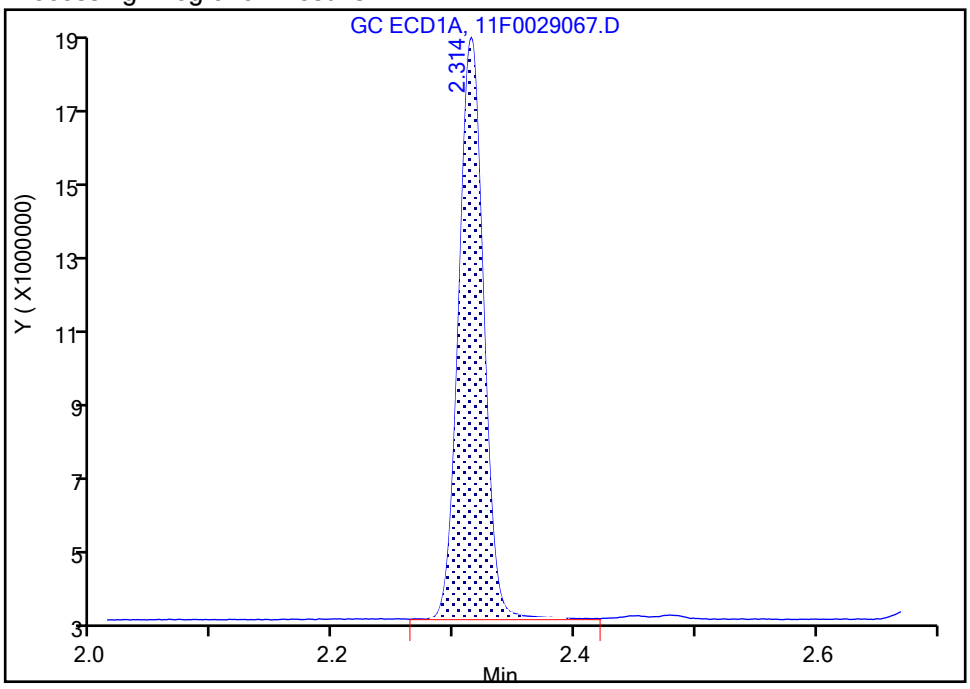
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

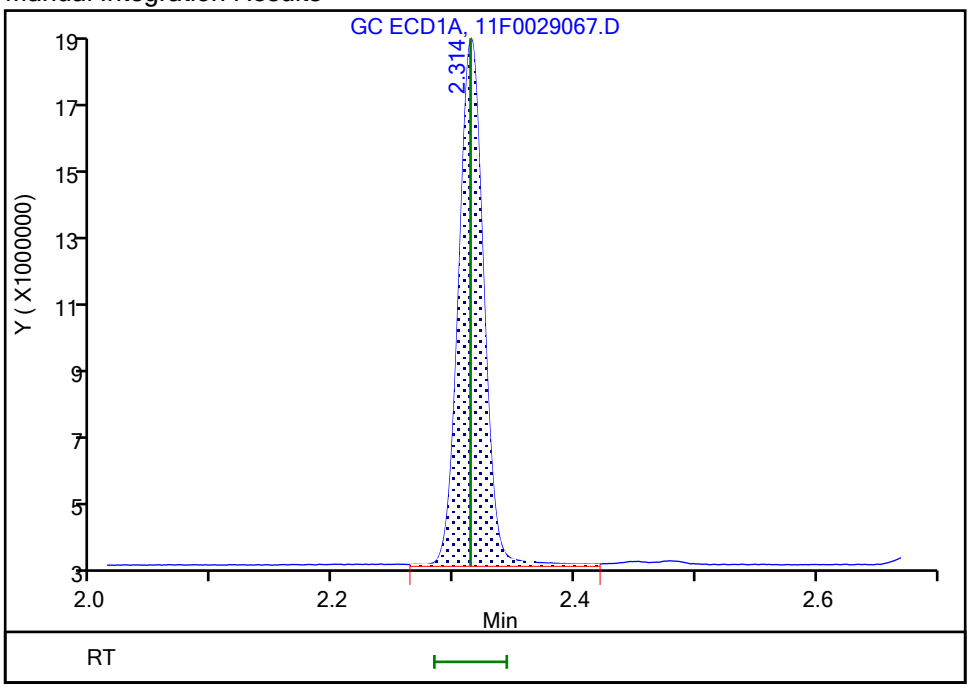
Processing Integration Results

RT: 2.31
Area: 22038166
Amount: 12.401744
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 21883422
Amount: 11.293639
Amount Units: ug/l



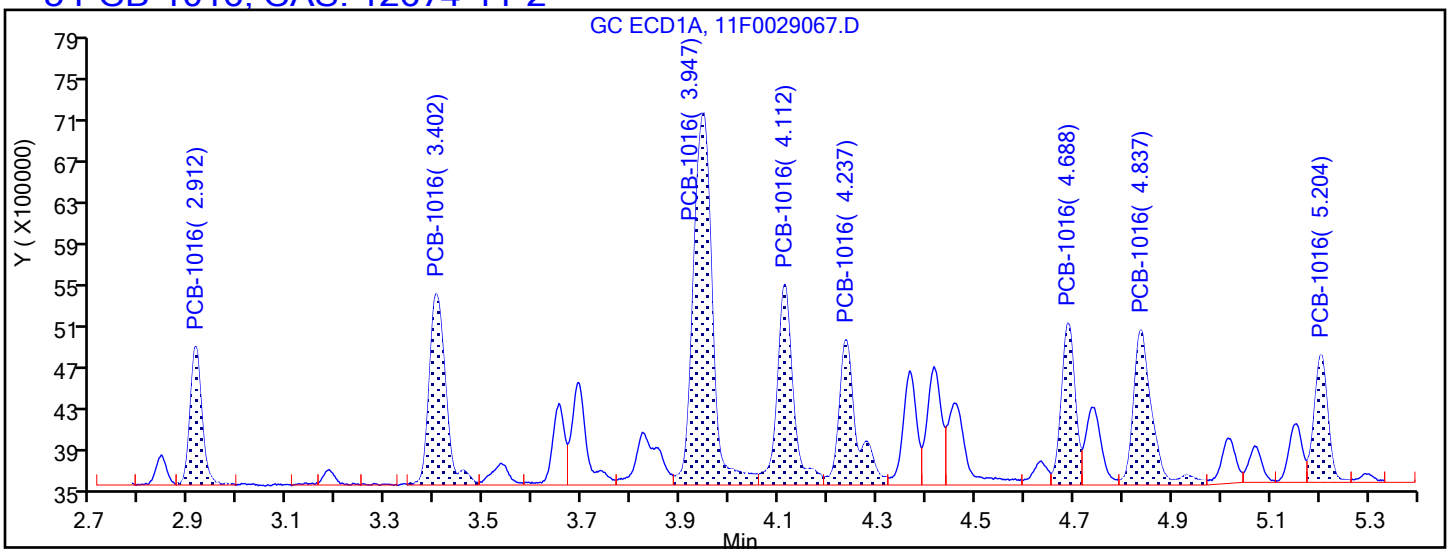
Reviewer: OR9X, 21-Dec-2023 11:36:38 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

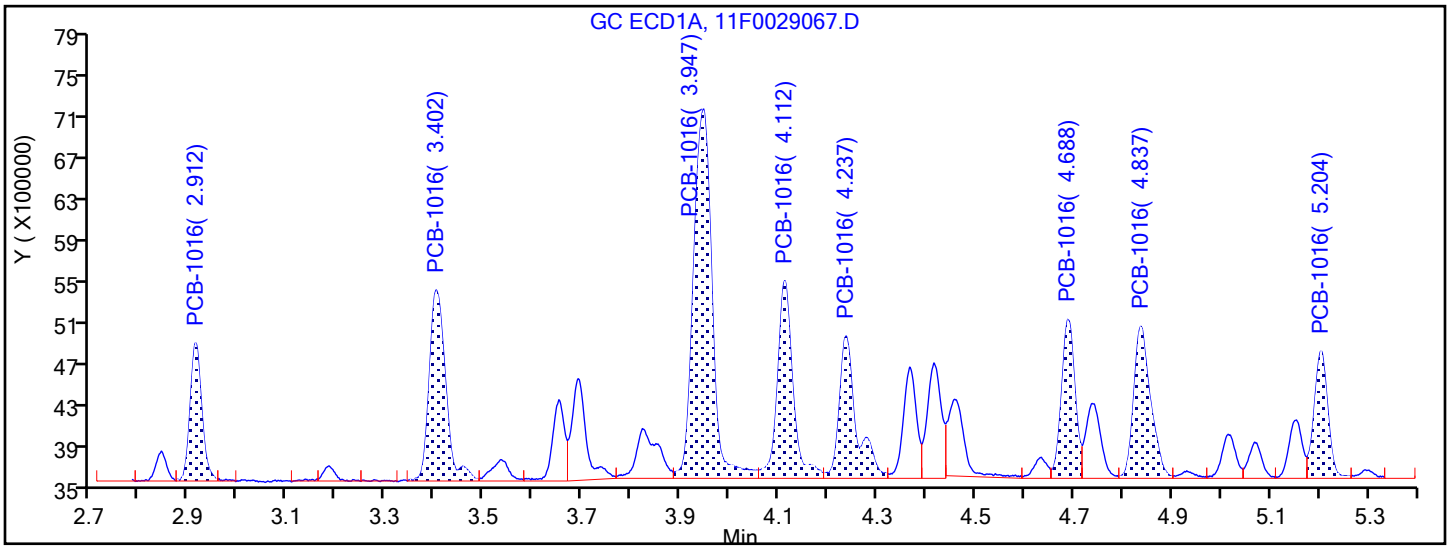
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 2276734
3.402	Response = 4330548
3.947	Response = 9540476
4.112	Response = 4343397
4.237	Response = 3501576
4.688	Response = 2977348
4.837	Response = 3789594
5.204	Response = 2434381



Manual Integration Results

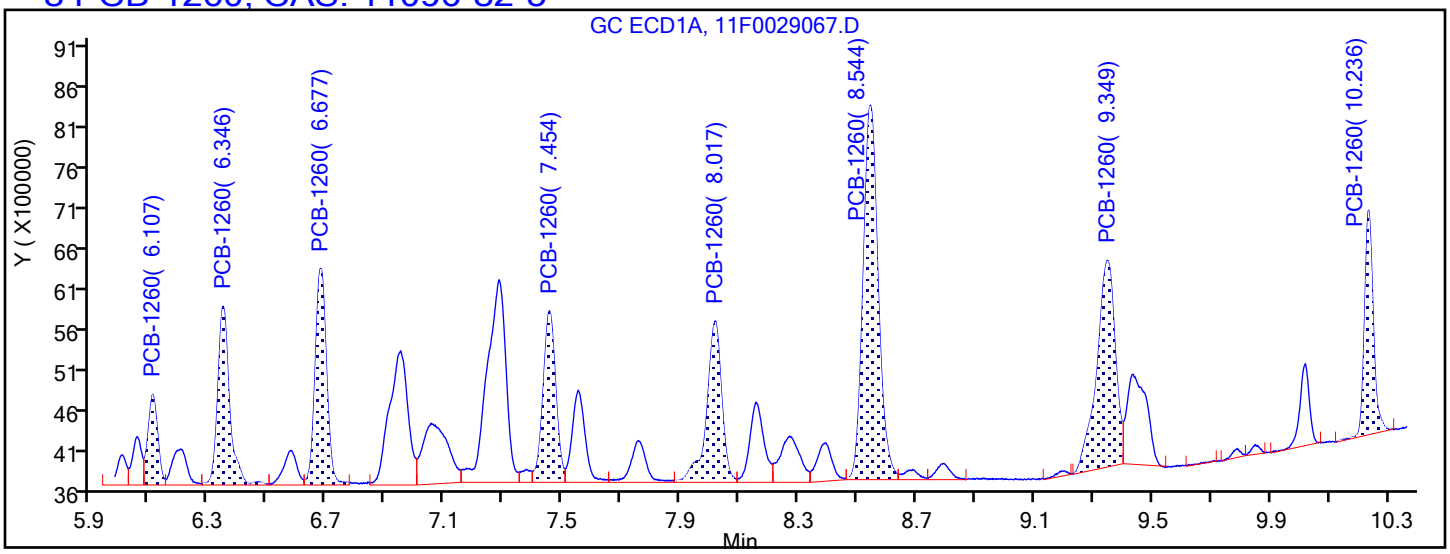
2.912	Response = 2188151	M
3.402	Response = 4223694	M
3.947	Response = 9297948	M
4.112	Response = 4136964	M
4.237	Response = 3282683	M
4.688	Response = 2867020	M

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

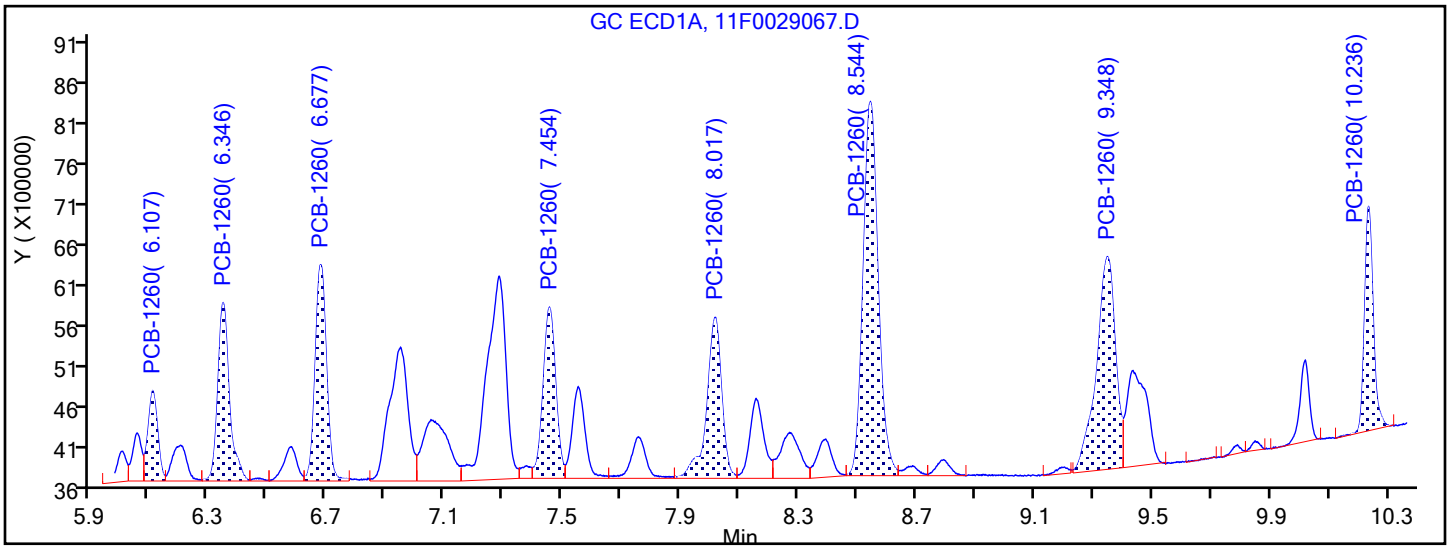
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 2605337
6.346	Response = 6174043
6.677	Response = 7083725
7.454	Response = 6376198
8.017	Response = 6992854
8.544	Response = 16375265
9.349	Response = 11042339
10.236	Response = 5687339



Manual Integration Results

6.107	Response = 2605337	
6.346	Response = 6068344	M
6.677	Response = 7083725	
7.454	Response = 6376198	
8.017	Response = 6992854	
8.544	Response = 16375265	

Eurofins Edison

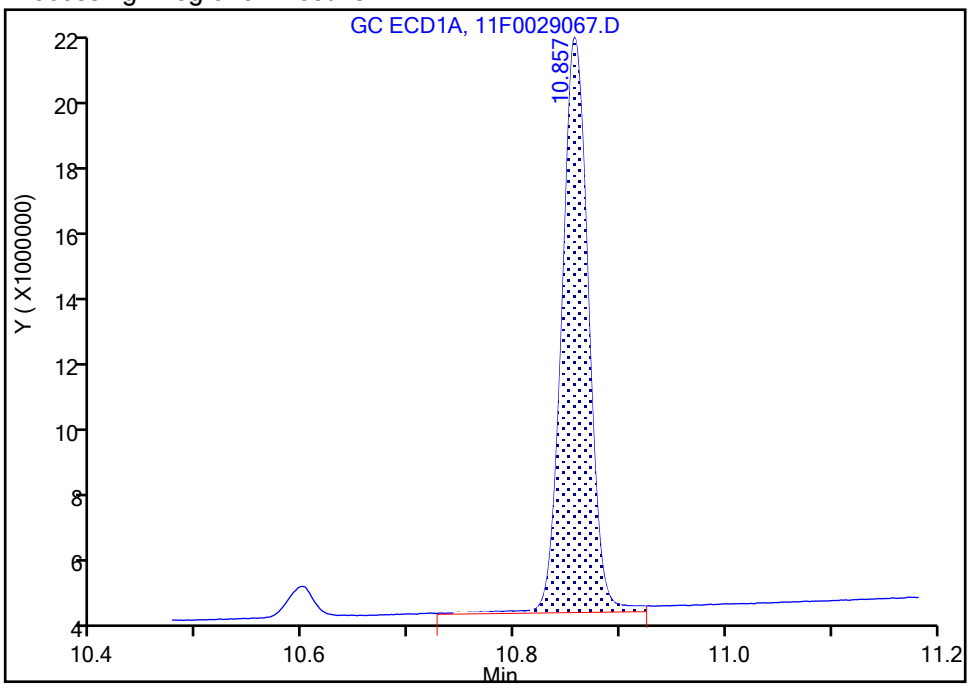
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

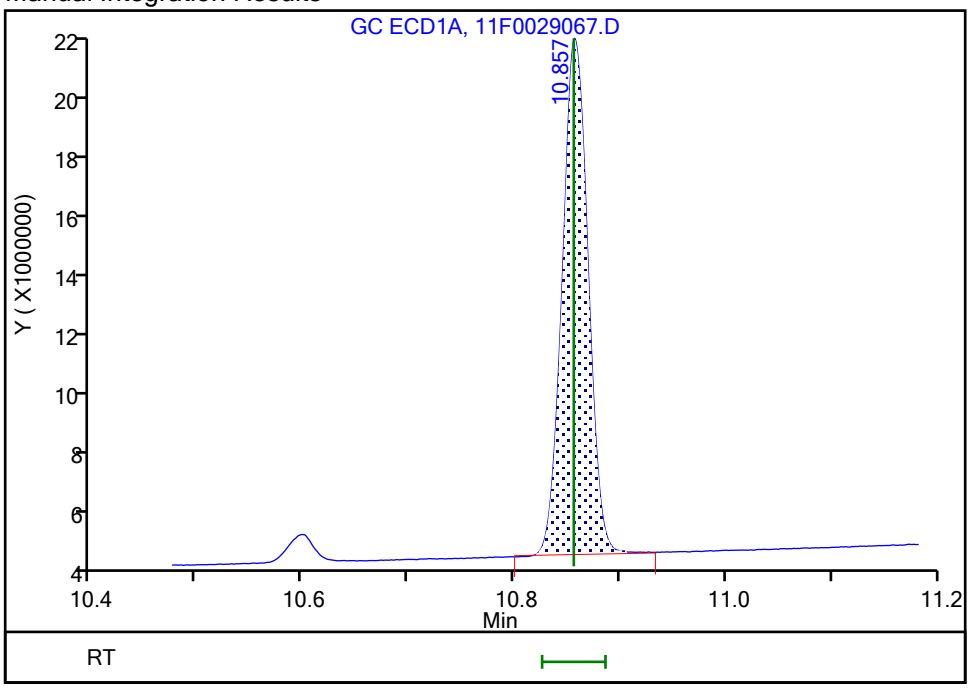
Processing Integration Results

RT: 10.86
Area: 29756720
Amount: 12.838916
Amount Units: ug/l



Manual Integration Results

RT: 10.86
Area: 29033415
Amount: 11.636168
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:08 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Dec-2023 10:59:42 ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:21 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	51725903	20.0	20.0	M
2	1.227	1.227	0.000	48079830	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	90034277	50.0	44.3	
2	1.830	1.829	0.001	121712420	50.0	46.3	M
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	16255093	500.0	445.9	
1	3.402	3.403	-0.001	31454328	500.0	457.0	M
1	3.946	3.947	-0.001	68510953	500.0	440.0	M
1	4.112	4.111	0.001	29919270	500.0	442.0	M
1	4.237	4.238	-0.001	24414583	500.0	443.4	M
1	4.690	4.689	0.001	22124788	500.0	448.9	
1	4.836	4.838	-0.002	27314829	500.0	450.8	
1	5.205	5.204	0.001	18495863	500.0	451.9	
		Average of Peak Amounts =				447.5	
2	2.189	2.189	0.000	22958293	500.0	462.3	M
2	2.549	2.549	0.000	41797934	500.0	462.1	M
2	2.750	2.750	0.000	27565911	500.0	464.8	M
2	3.031	3.030	0.001	85984303	500.0	456.2	M
2	3.176	3.176	0.000	36390520	500.0	458.9	M
2	3.243	3.242	0.001	23822245	500.0	462.1	M
2	3.634	3.633	0.001	38399439	500.0	457.6	M
2	4.061	4.062	-0.001	19899410	500.0	461.5	M
		Average of Peak Amounts =				460.7	
						RPD = 2.91	
8 PCB-1260							M
1	6.107	6.108	-0.001	20018197	500.0	450.0	M
1	6.346	6.346	0.000	46610282	500.0	447.8	M
1	6.676	6.679	-0.003	53611368	500.0	444.4	M
1	7.454	7.455	-0.001	46565417	500.0	438.8	M
1	8.014	8.015	-0.001	52959292	500.0	442.4	M
1	8.544	8.544	0.000	127650869	500.0	436.3	M
1	9.347	9.350	-0.003	94080806	500.0	444.2	M
1	10.237	10.236	0.001	43723017	500.0	443.2	
		Average of Peak Amounts =				443.4	
2	5.025	5.026	-0.001	53342244	500.0	454.2	M
2	5.350	5.351	-0.001	99307697	500.0	455.4	M
2	5.840	5.841	-0.001	57274670	500.0	444.9	M
2	6.166	6.166	0.000	84681801	500.0	453.7	M
2	6.629	6.628	0.001	144115380	500.0	455.0	M
2	7.070	7.072	-0.002	67204169	500.0	448.7	M
2	7.225	7.219	0.006	44578763	500.0	455.0	M
2	8.227	8.233	-0.006	46674372	500.0	454.7	
		Average of Peak Amounts =				452.7	
						RPD = 2.08	
$ 11 DCB Decachlorobiphenyl							M
1	10.856	10.856	0.000	115731873	50.0	44.3	M
2	9.240	9.242	-0.002	131326715	50.0	45.8	
						RPD = 3.50	
S 12 Polychlorinated biphenyls, Total							
1						890.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

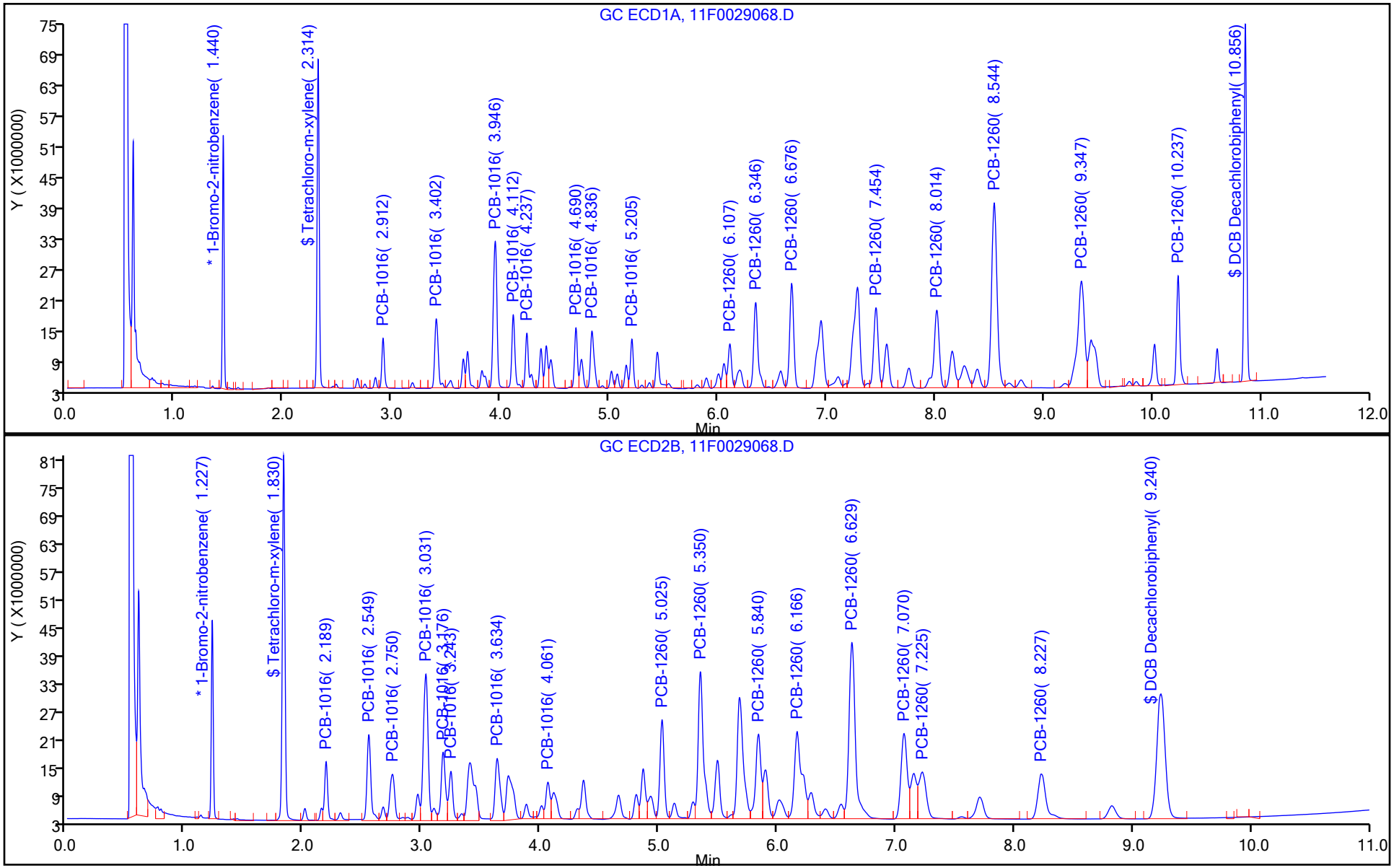
SG1660L2_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:21 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D

Injection Date:	21-Dec-2023 10:59:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Eurofins Edison

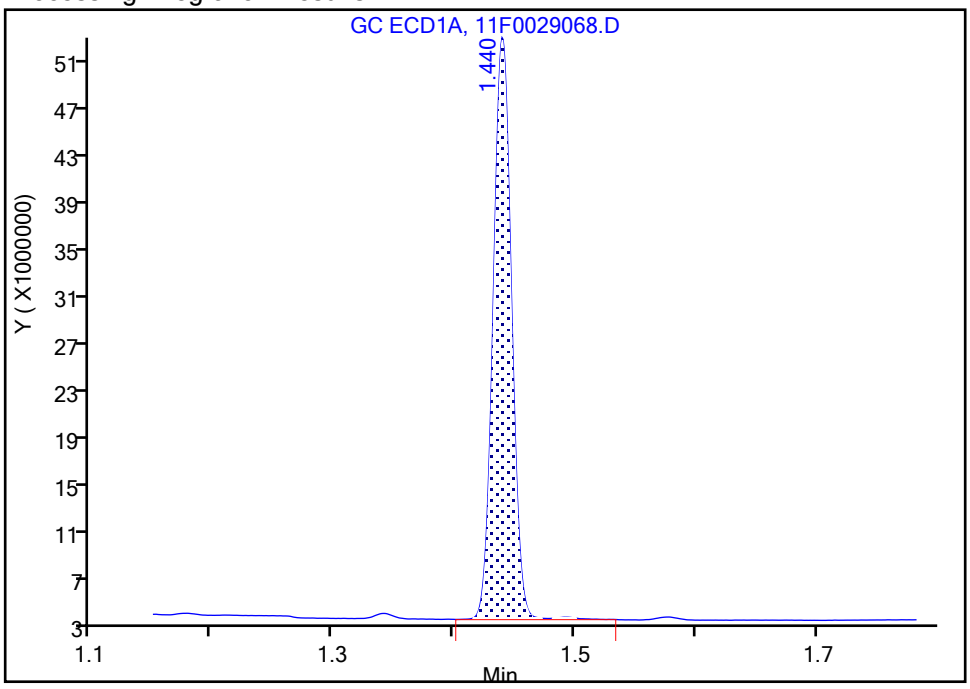
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

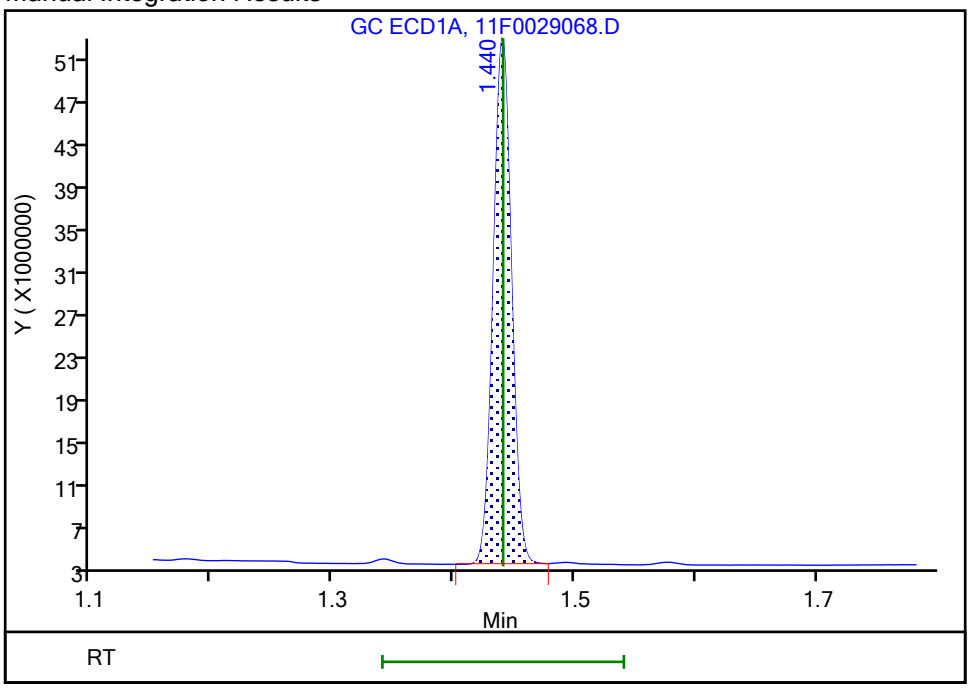
Processing Integration Results

RT: 1.44
Area: 51989084
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 51725903
Amount: 20.000000
Amount Units: ug/l



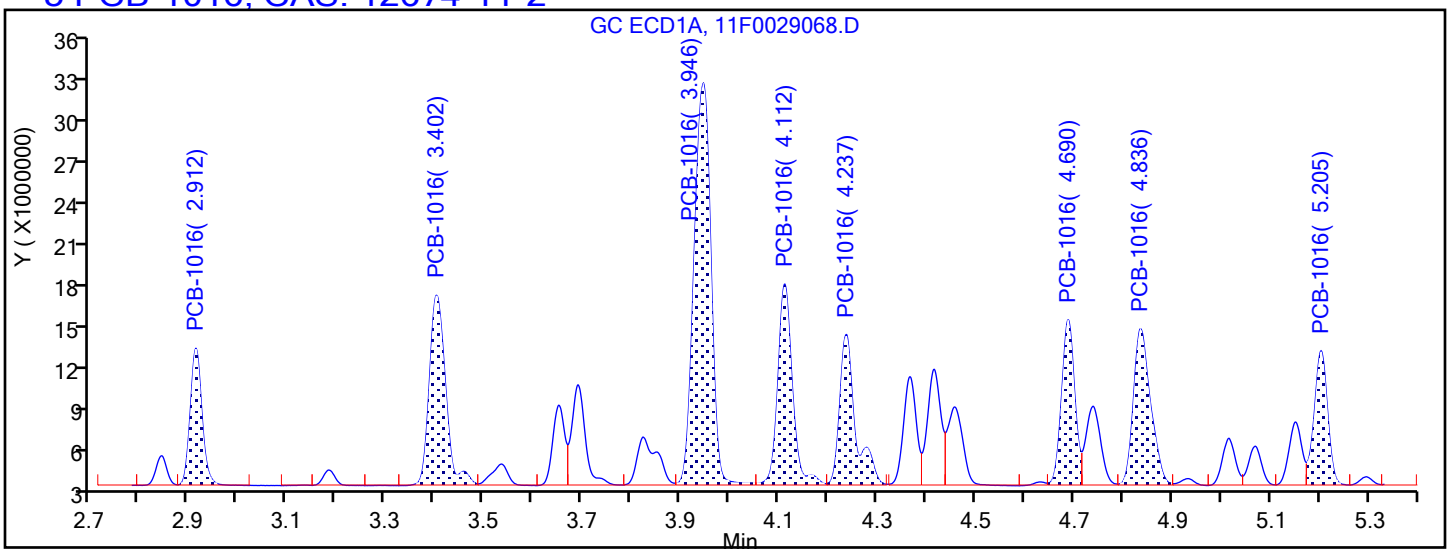
Reviewer: OR9X, 21-Dec-2023 11:37:57 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:21 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

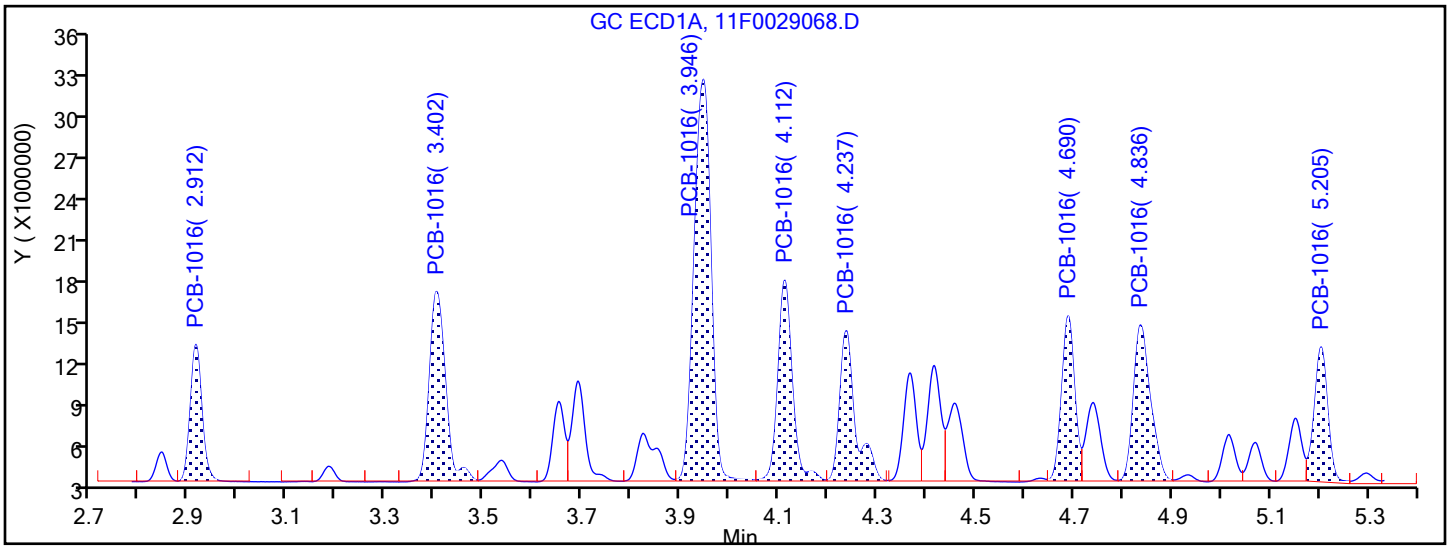
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 16255093
3.402	Response = 31138488
3.946	Response = 67733181
4.112	Response = 29301046
4.237	Response = 23989949
4.690	Response = 22124788
4.836	Response = 27314829
5.205	Response = 18495863



Manual Integration Results

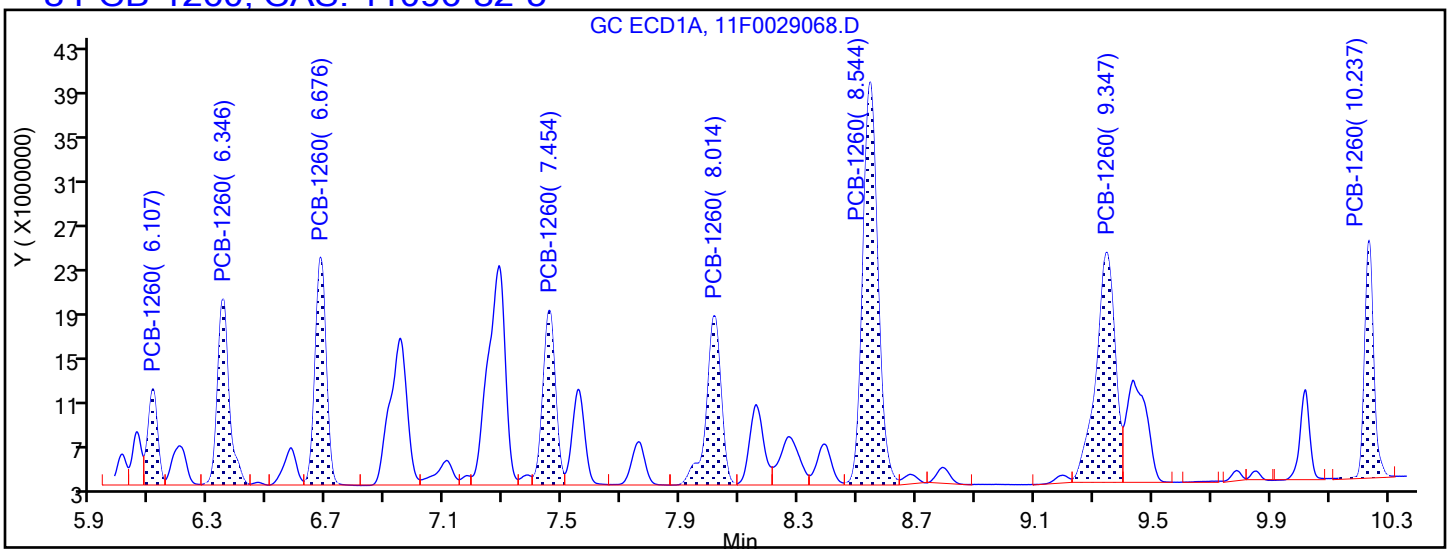
2.912	Response = 16255093	
3.402	Response = 31454328	M
3.946	Response = 68510953	M
4.112	Response = 29919270	M
4.237	Response = 24414583	M
4.690	Response = 22124788	

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

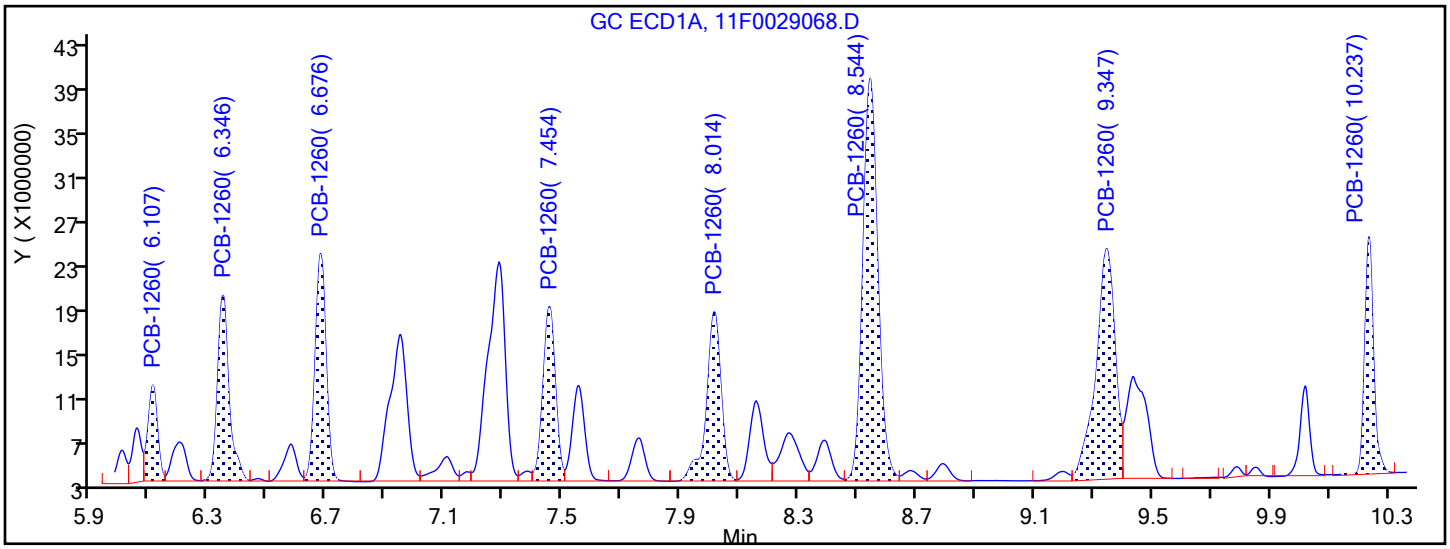
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 19987299
6.346	Response = 46577842
6.676	Response = 53576960
7.454	Response = 46493912
8.014	Response = 52377069
8.544	Response = 126525308
9.347	Response = 92845855
10.237	Response = 43723017



Manual Integration Results

6.107	Response = 20018197	M
6.346	Response = 46610282	M
6.676	Response = 53611368	M
7.454	Response = 46565417	M
8.014	Response = 52959292	M
8.544	Response = 127650869	M

Manual Integration/User Assign Peak Report

Eurofins Edison

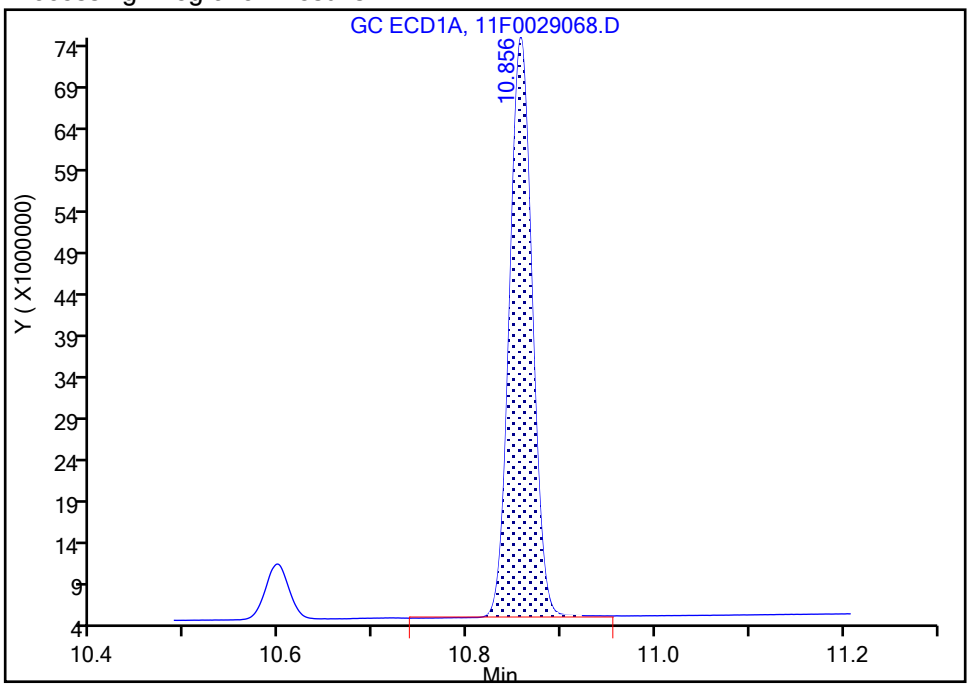
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

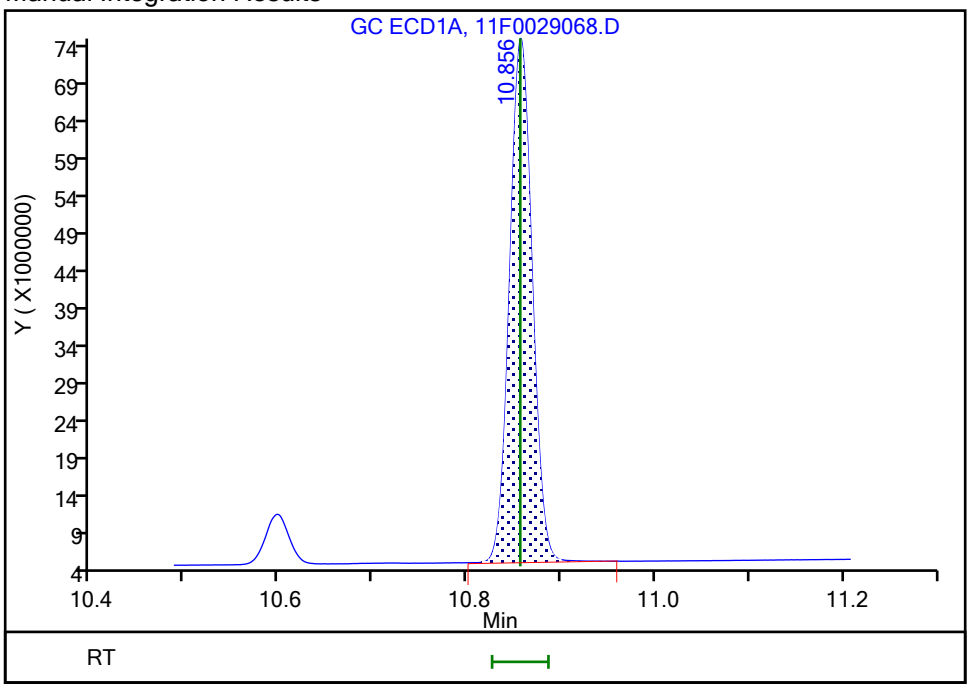
Processing Integration Results

RT: 10.86
Area: 116717736
Amount: 48.043902
Amount Units: ug/l



Manual Integration Results

RT: 10.86
Area: 115731873
Amount: 44.257784
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:37:52 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Lims ID: IC PCB
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 21-Dec-2023 11:16:24 ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:29 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	46922711	20.0	20.0	
2	1.227	1.227	0.000	44138313	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	178455651	100.0	96.9	
2	1.829	1.829	0.000	232452088	100.0	96.3	M
						RPD = 0.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	30989753	1000.0	937.0	
1	3.403	3.403	0.000	56549644	1000.0	905.7	M
1	3.947	3.947	0.000	132034521	1000.0	934.8	M
1	4.111	4.111	0.000	57209078	1000.0	931.6	M
1	4.238	4.238	0.000	46733399	1000.0	935.6	M
1	4.689	4.689	0.000	42162642	1000.0	943.0	M
1	4.838	4.838	0.000	52500353	1000.0	955.2	M
1	5.204	5.204	0.000	35192510	1000.0	947.8	M
		Average of Peak Amounts =				936.3	
2	2.189	2.189	0.000	41884896	1000.0	918.7	
2	2.549	2.549	0.000	77726856	1000.0	936.1	M
2	2.750	2.750	0.000	51159884	1000.0	939.7	M
2	3.030	3.030	0.000	164994010	1000.0	953.5	M
2	3.176	3.176	0.000	69128119	1000.0	949.5	M
2	3.242	3.242	0.000	44994626	1000.0	950.7	M
2	3.633	3.633	0.000	72723528	1000.0	944.1	M
2	4.062	4.062	0.000	37635743	1000.0	950.8	M
		Average of Peak Amounts =				942.9	
						RPD = 0.70	
8 PCB-1260							M
1	6.108	6.108	0.000	38331023	1000.0	949.8	M
1	6.346	6.346	0.000	89510822	1000.0	948.0	M
1	6.679	6.679	0.000	103945376	1000.0	949.9	M
1	7.455	7.455	0.000	91808566	1000.0	953.6	M
1	8.015	8.015	0.000	103608632	1000.0	954.1	M
1	8.544	8.544	0.000	257193492	1000.0	969.1	M
1	9.350	9.350	0.000	187146008	1000.0	974.0	M
1	10.236	10.236	0.000	85469226	1000.0	955.0	
		Average of Peak Amounts =				956.7	
2	5.026	5.026	0.000	101848674	1000.0	944.7	M
2	5.351	5.351	0.000	189924625	1000.0	948.8	M
2	5.841	5.841	0.000	108924962	1000.0	921.6	M
2	6.166	6.166	0.000	162749449	1000.0	949.9	M
2	6.628	6.628	0.000	276360904	1000.0	950.4	M
2	7.072	7.072	0.000	130895833	1000.0	952.0	
2	7.219	7.219	0.000	84824554	1000.0	943.1	
2	8.233	8.233	0.000	89824699	1000.0	953.2	
		Average of Peak Amounts =				945.5	
						RPD = 1.18	
$ 11 DCB Decachlorobiphenyl							
1	10.856	10.856	0.000	226288336	100.0	95.4	
2	9.242	9.242	0.000	251179173	100.0	95.5	
						RPD = 0.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

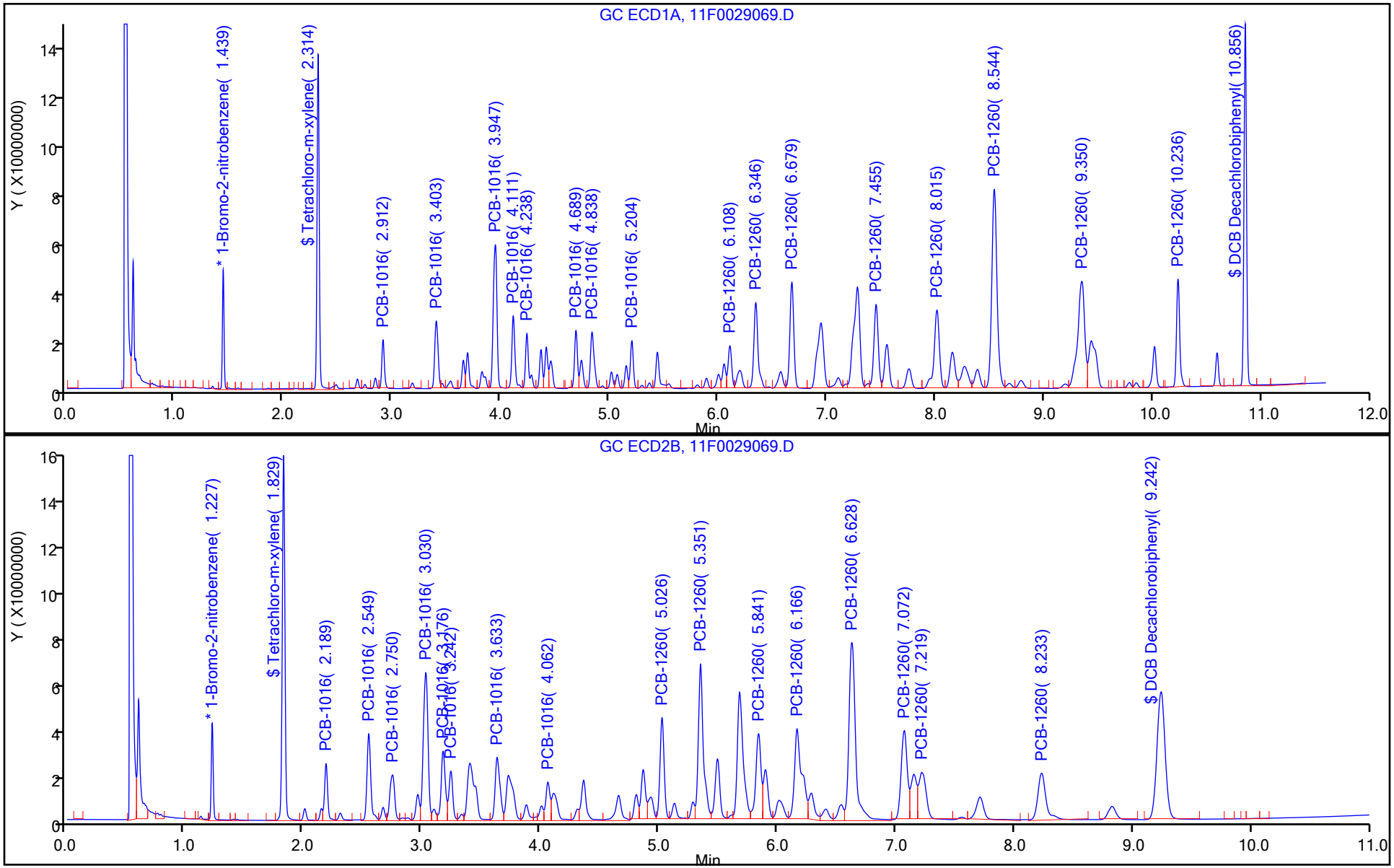
SG1260ResPCB_00002	Amount Added:	1.00	Units: mL	
SG1660L3_00043	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D

Injection Date:	21-Dec-2023 11:16:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



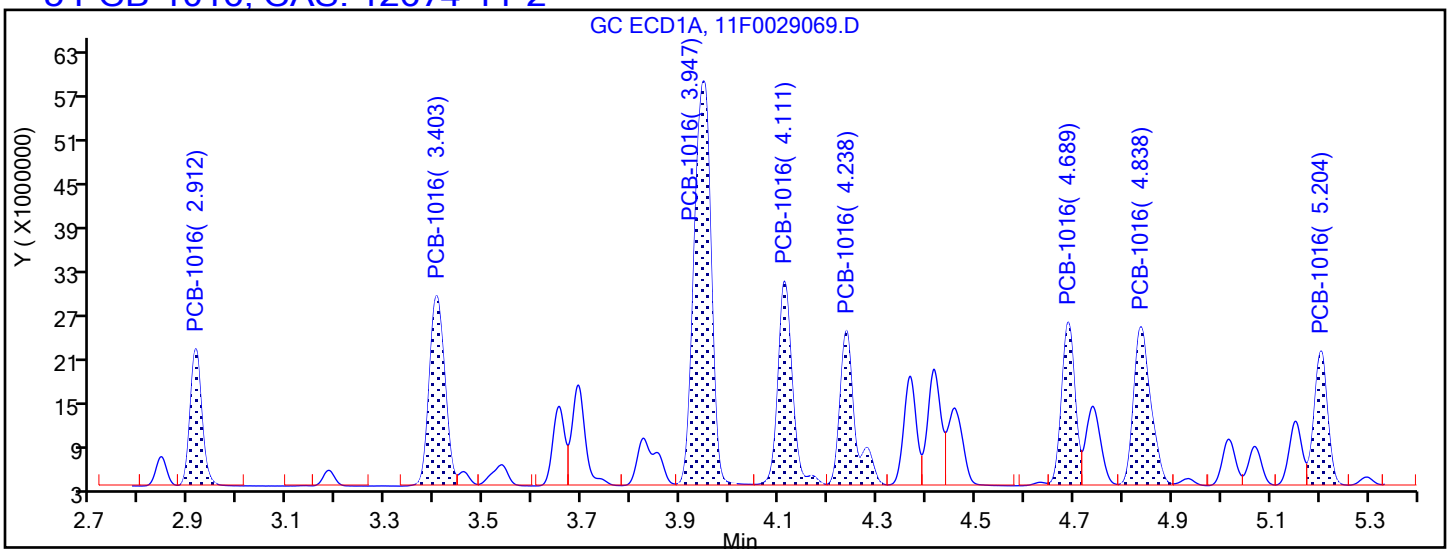
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

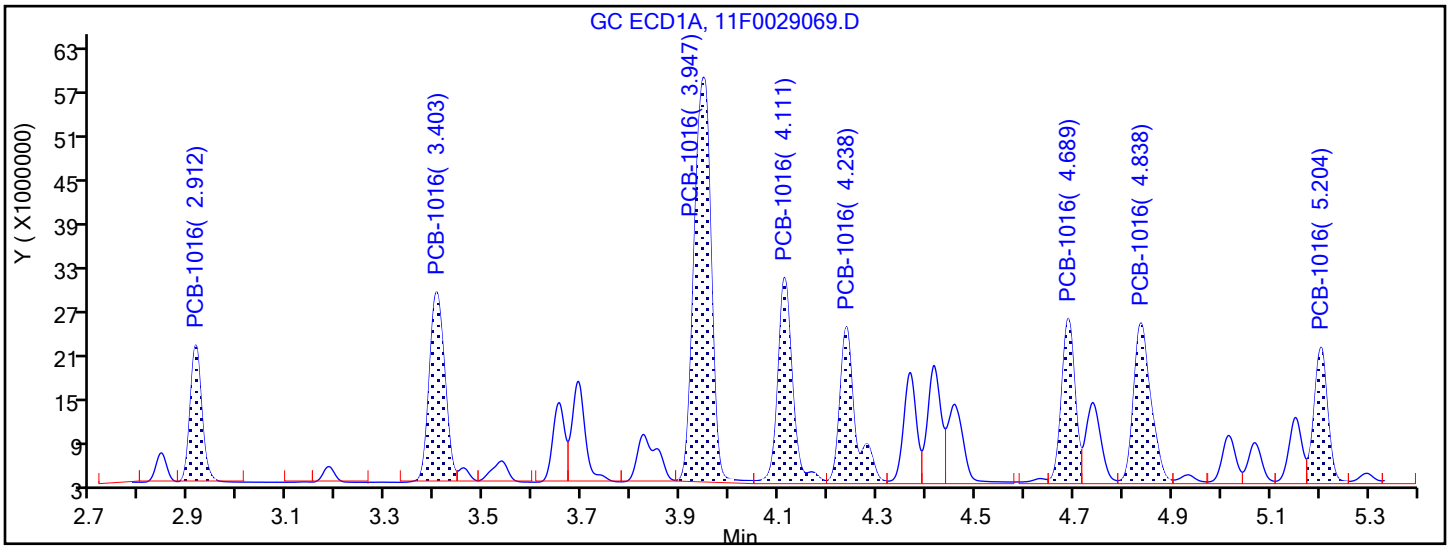
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 30989753
3.403	Response = 56283994
3.947	Response = 130792524
4.111	Response = 56010876
4.238	Response = 45742258
4.689	Response = 41679283
4.838	Response = 51681889
5.204	Response = 34712498



Manual Integration Results

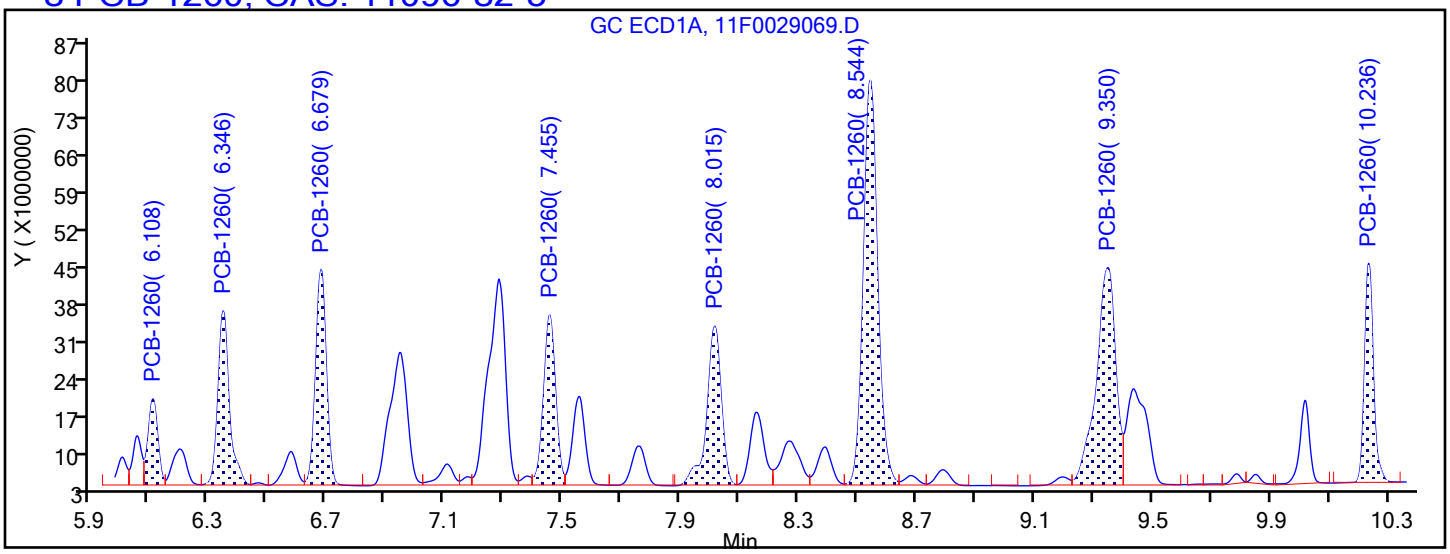
2.912	Response = 30989753	
3.403	Response = 56549644	M
3.947	Response = 132034521	M
4.111	Response = 57209078	M
4.238	Response = 46733399	M
4.689	Response = 42162642	M

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

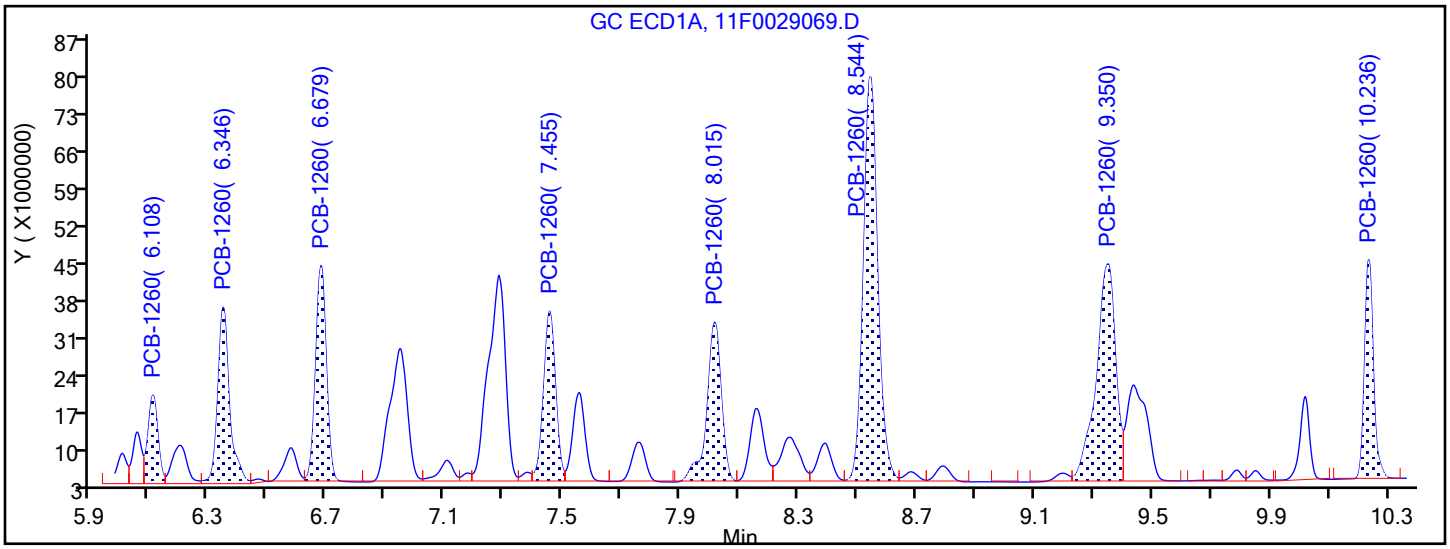
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 38243233
6.346	Response = 89260824
6.679	Response = 103475091
7.455	Response = 91177996
8.015	Response = 102325340
8.544	Response = 255070142
9.350	Response = 185953548
10.236	Response = 85469226



Manual Integration Results

6.108	Response = 38331023	M
6.346	Response = 89510822	M
6.679	Response = 103945376	M
7.455	Response = 91808566	M
8.015	Response = 103608632	M
8.544	Response = 257193492	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Dec-2023 11:33:05 ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:38 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:51:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	49213391	20.0	20.0	
2	1.227	1.227	0.000	46173697	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	313322798	150.0	162.2	
2	1.831	1.829	0.002	396057695	150.0	156.8	M
						RPD = 3.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.911	2.912	-0.001	48489847	1500.0	1397.9	
1	3.402	3.403	-0.001	92838479	1500.0	1417.8	M
1	3.946	3.947	-0.001	206808218	1500.0	1396.1	M
1	4.111	4.111	0.000	88653253	1500.0	1376.4	M
1	4.236	4.238	-0.002	72982607	1500.0	1393.1	M
1	4.689	4.689	0.000	65744755	1500.0	1402.0	M
1	4.837	4.838	-0.001	81717890	1500.0	1417.6	M
1	5.204	5.204	0.000	54277213	1500.0	1393.7	M
		Average of Peak Amounts =				1399.3	
2	2.189	2.189	0.000	64815260	1500.0	1358.9	M
2	2.550	2.549	0.001	119318735	1500.0	1373.7	M
2	2.749	2.750	-0.001	78998953	1500.0	1387.1	M
2	3.031	3.030	0.001	255716405	1500.0	1412.6	M
2	3.176	3.176	0.000	107163148	1500.0	1407.0	M
2	3.241	3.242	-0.001	69329168	1500.0	1400.3	M
2	3.634	3.633	0.001	112339722	1500.0	1394.1	M
2	4.061	4.062	-0.001	57289261	1500.0	1383.6	M
		Average of Peak Amounts =				1389.7	
						RPD = 0.69	
8 PCB-1260							M
1	6.108	6.108	0.000	58932415	1500.0	1392.3	M
1	6.346	6.346	0.000	137986133	1500.0	1393.4	M
1	6.678	6.679	-0.001	160244020	1500.0	1396.2	M
1	7.453	7.455	-0.002	140806902	1500.0	1394.5	M
1	8.014	8.015	-0.001	159252426	1500.0	1398.2	M
1	8.542	8.544	-0.002	399954742	1500.0	1436.9	M
1	9.348	9.350	-0.002	288247525	1500.0	1430.4	M
1	10.235	10.236	-0.001	132597851	1500.0	1412.7	
		Average of Peak Amounts =				1406.8	
2	5.025	5.026	-0.001	157238116	1500.0	1394.2	M
2	5.349	5.351	-0.002	295202221	1500.0	1409.7	M
2	5.839	5.841	-0.002	167948393	1500.0	1358.3	M
2	6.166	6.166	0.000	250900168	1500.0	1399.9	M
2	6.631	6.628	0.003	428745288	1500.0	1409.4	M
2	7.070	7.072	-0.002	204960821	1500.0	1424.9	
2	7.223	7.219	0.004	126768566	1500.0	1347.3	
2	8.231	8.233	-0.002	138158043	1500.0	1401.5	
		Average of Peak Amounts =				1393.2	
						RPD = 0.97	
$ 11 DCB Decachlorobiphenyl							
1	10.854	10.856	-0.002	397495474	150.0	159.8	
2	9.240	9.242	-0.002	429271339	150.0	156.0	
						RPD = 2.38	
S 12 Polychlorinated biphenyls, Total							
1						2806.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

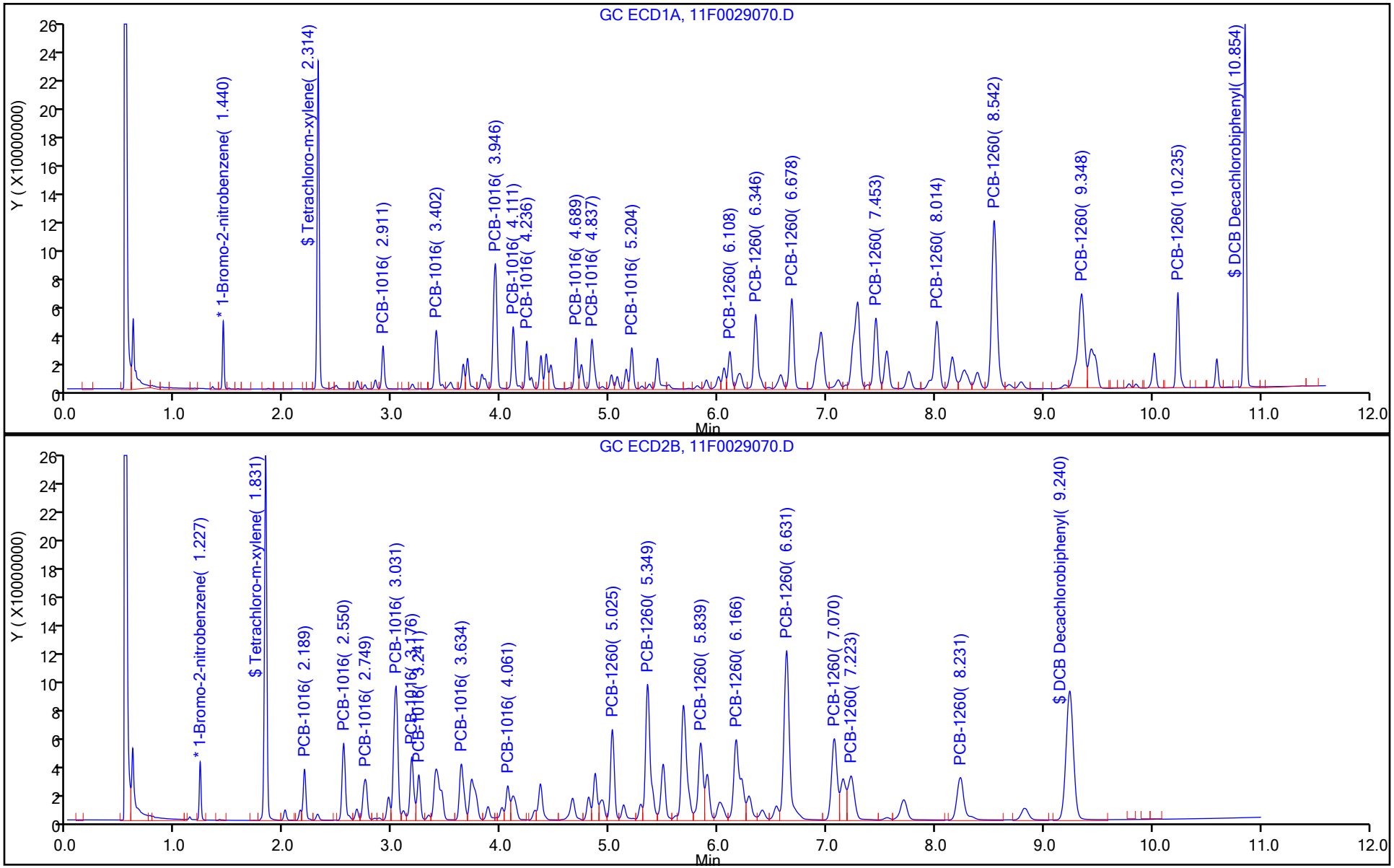
SG1660L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D

Injection Date:	21-Dec-2023 11:33:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



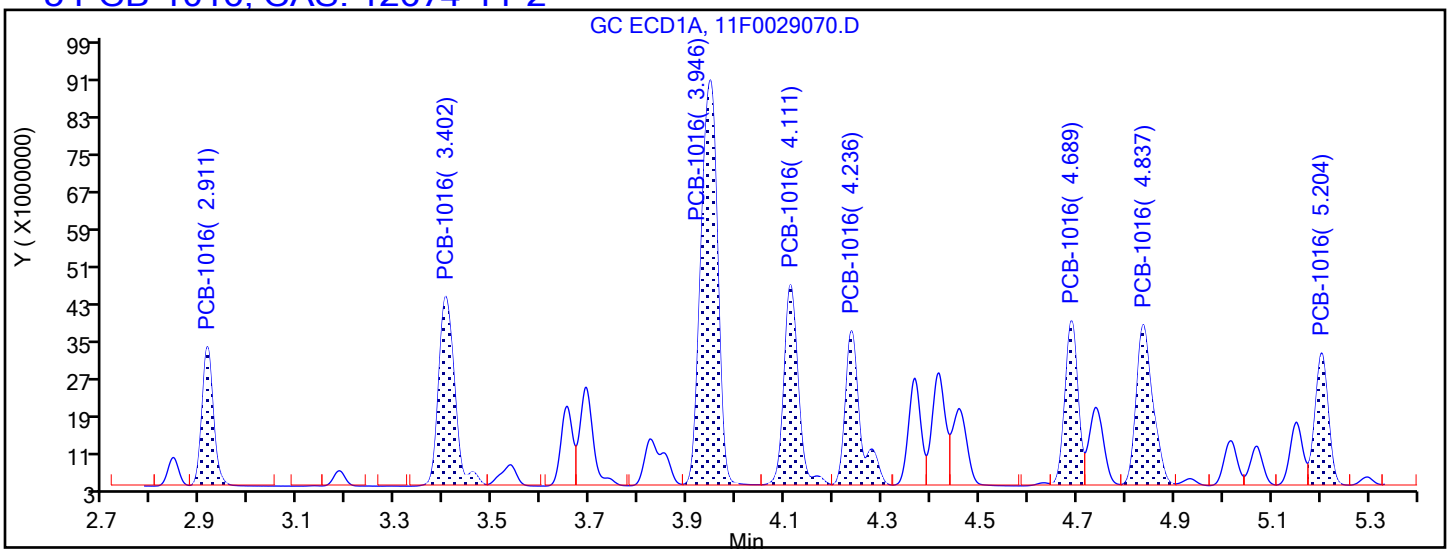
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

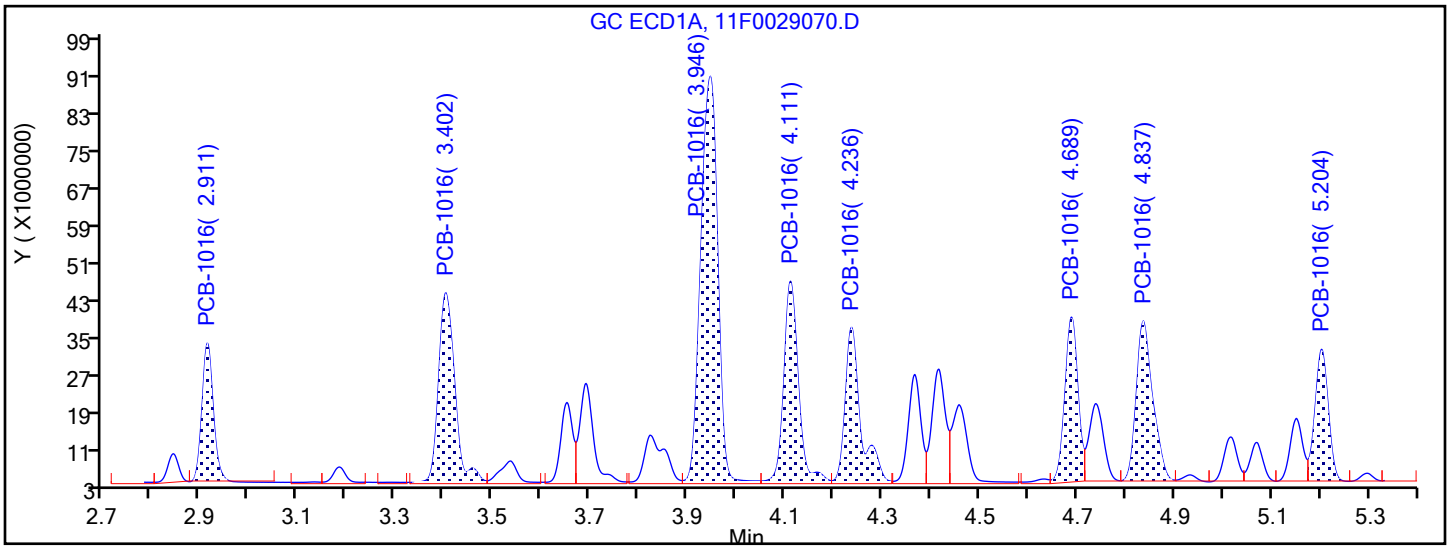
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.911	Response = 48489847
3.402	Response = 92481810
3.946	Response = 205259962
4.111	Response = 87176224
4.236	Response = 71702238
4.689	Response = 65099731
4.837	Response = 80608498
5.204	Response = 53617467



Manual Integration Results

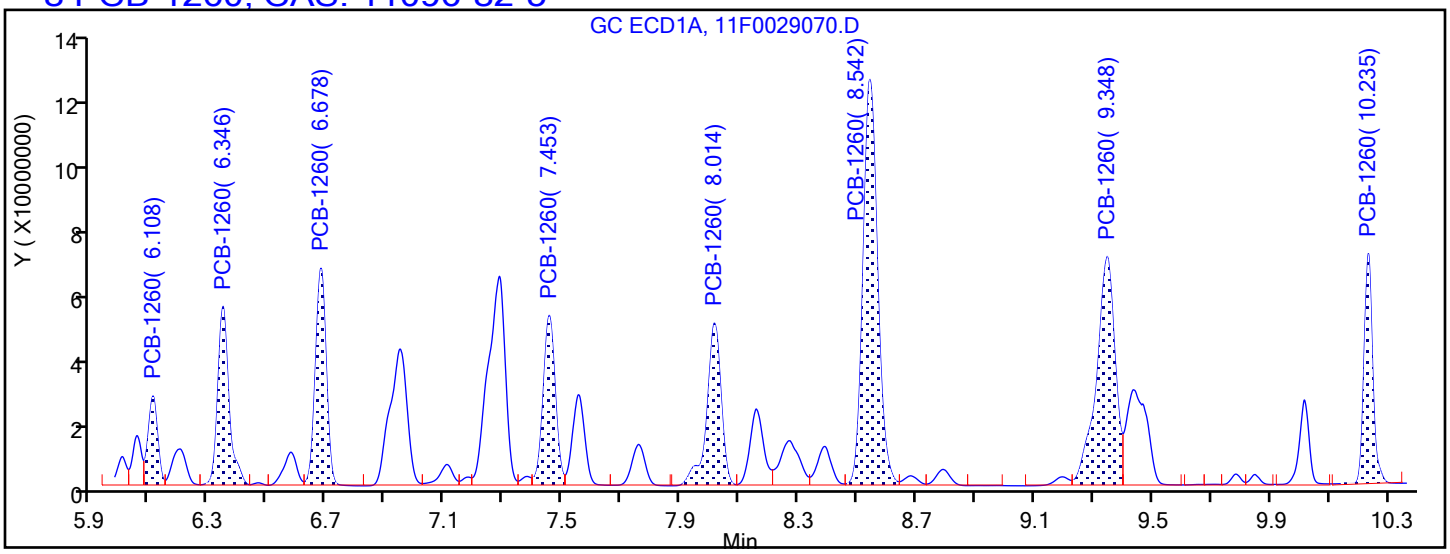
2.911	Response = 48489847	
3.402	Response = 92838479	M
3.946	Response = 206808218	M
4.111	Response = 88653253	M
4.236	Response = 72982607	M
4.689	Response = 65744755	M

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

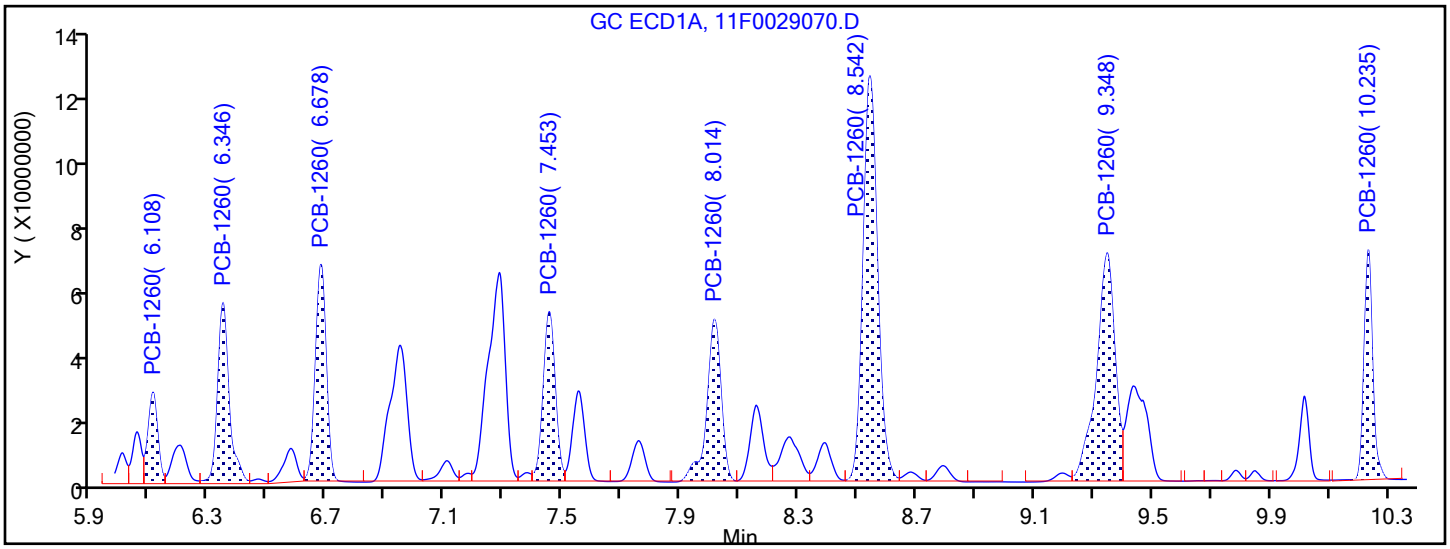
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 58840119
6.346	Response = 137701101
6.678	Response = 159629691
7.453	Response = 139849368
8.014	Response = 157076677
8.542	Response = 396479279
9.348	Response = 287227031
10.235	Response = 132597851



Manual Integration Results

6.108	Response = 58932415	M
6.346	Response = 137986133	M
6.678	Response = 160244020	M
7.453	Response = 140806902	M
8.014	Response = 159252426	M
8.542	Response = 399954742	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Dec-2023 11:49:49 ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:46 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:54:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	47065532	20.0	20.0	
2	1.227	1.227	0.000	44447285	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	428675139	200.0	232.0	M
2	1.830	1.829	0.001	537208471	200.0	221.0	M
						RPD = 4.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	81383757	2500.0	2453.3	M
1	3.403	3.403	0.000	148529605	2500.0	2371.8	M
1	3.945	3.947	-0.002	355157973	2500.0	2506.9	M
1	4.112	4.111	0.001	151849646	2500.0	2465.1	M
1	4.237	4.238	-0.001	125187388	2500.0	2498.6	M
1	4.689	4.689	0.000	112720699	2500.0	2513.4	M
1	4.837	4.838	-0.001	140349801	2500.0	2545.8	M
1	5.204	5.204	0.000	93849072	2500.0	2519.8	M
		Average of Peak Amounts =				2484.3	
2	2.188	2.189	-0.001	104352362	2500.0	2272.9	M
2	2.548	2.549	-0.001	199021915	2500.0	2380.3	M
2	2.748	2.750	-0.002	132030879	2500.0	2408.2	M
2	3.030	3.030	0.000	434027187	2500.0	2490.8	M
2	3.177	3.176	0.001	179208520	2500.0	2444.4	M
2	3.240	3.242	-0.002	117812356	2500.0	2471.9	M
2	3.633	3.633	0.000	189417239	2500.0	2442.0	M
2	4.062	4.062	0.000	96767755	2500.0	2427.7	M
		Average of Peak Amounts =				2417.3	
						RPD = 2.74	
8 PCB-1260							M
1	6.108	6.108	0.000	100646473	2500.0	2486.3	M
1	6.347	6.346	0.001	238068015	2500.0	2513.7	M
1	6.678	6.679	-0.001	274300092	2500.0	2499.0	M
1	7.453	7.455	-0.002	236550765	2500.0	2449.6	M
1	8.017	8.015	0.002	273597625	2500.0	2511.7	M
1	8.544	8.544	0.000	683564638	2500.0	2567.8	M
1	9.346	9.350	-0.004	489848240	2500.0	2541.7	
1	10.233	10.236	-0.003	226327114	2500.0	2521.3	
		Average of Peak Amounts =				2511.4	
2	5.025	5.026	-0.001	266073473	2500.0	2450.8	M
2	5.349	5.351	-0.002	502608175	2500.0	2493.4	M
2	5.840	5.841	-0.001	282681716	2500.0	2375.0	M
2	6.164	6.166	-0.002	429083691	2500.0	2487.0	M
2	6.630	6.628	0.002	739043428	2500.0	2523.8	M
2	7.071	7.072	-0.001	352803265	2500.0	2548.0	M
2	7.223	7.219	0.004	222352921	2500.0	2455.0	M
2	8.233	8.233	0.000	234466761	2500.0	2470.9	
		Average of Peak Amounts =				2475.5	
						RPD = 1.44	
$ 11 DCB Decachlorobiphenyl							
1	10.853	10.856	-0.003	554329071	200.0	233.0	
2	9.238	9.242	-0.004	587905962	200.0	222.0	
						RPD = 4.84	
S 12 Polychlorinated biphenyls, Total							
1						4995.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

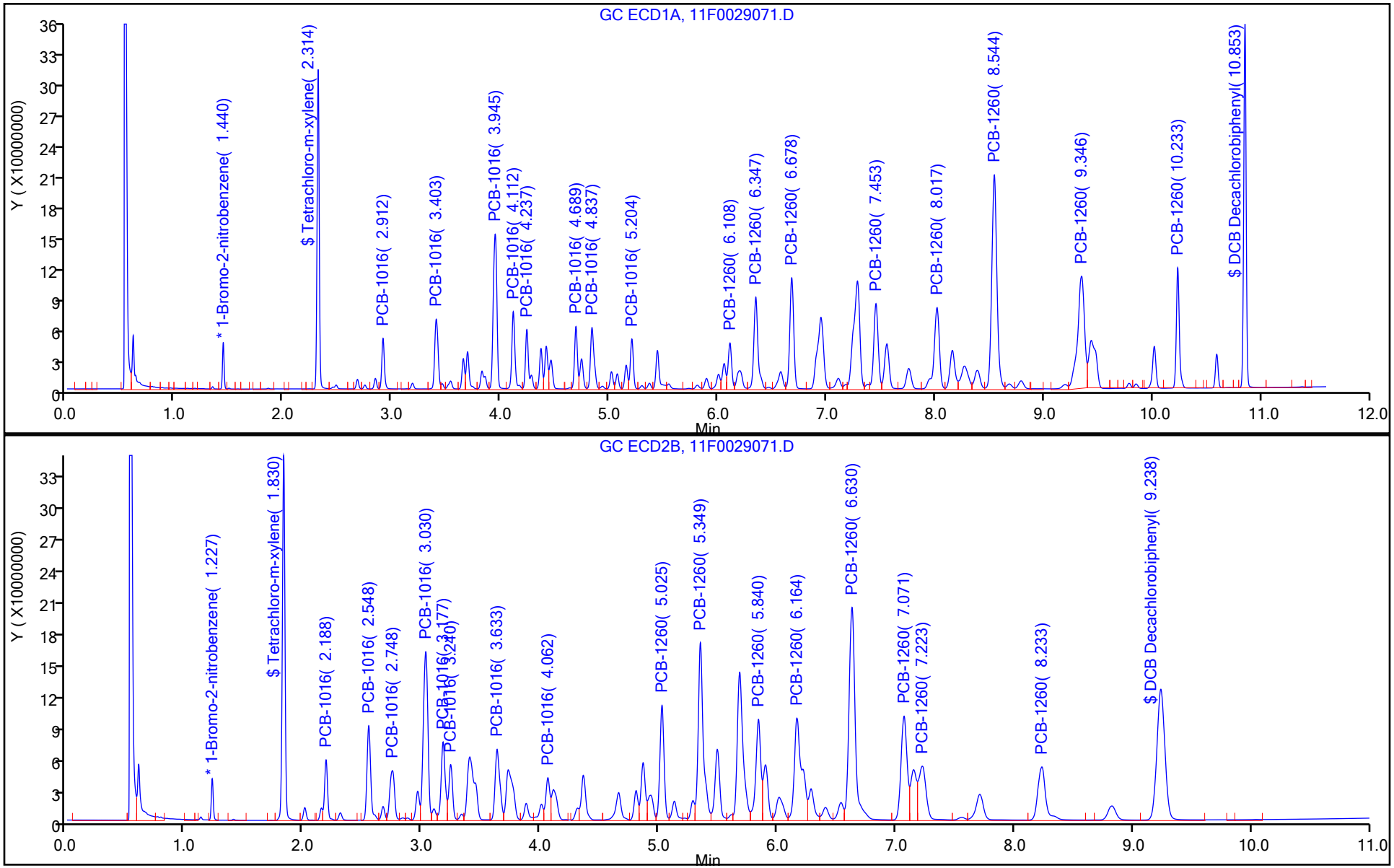
SG1660L5_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D

Injection Date:	21-Dec-2023 11:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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Manual Integration/User Assign Peak Report

Eurofins Edison

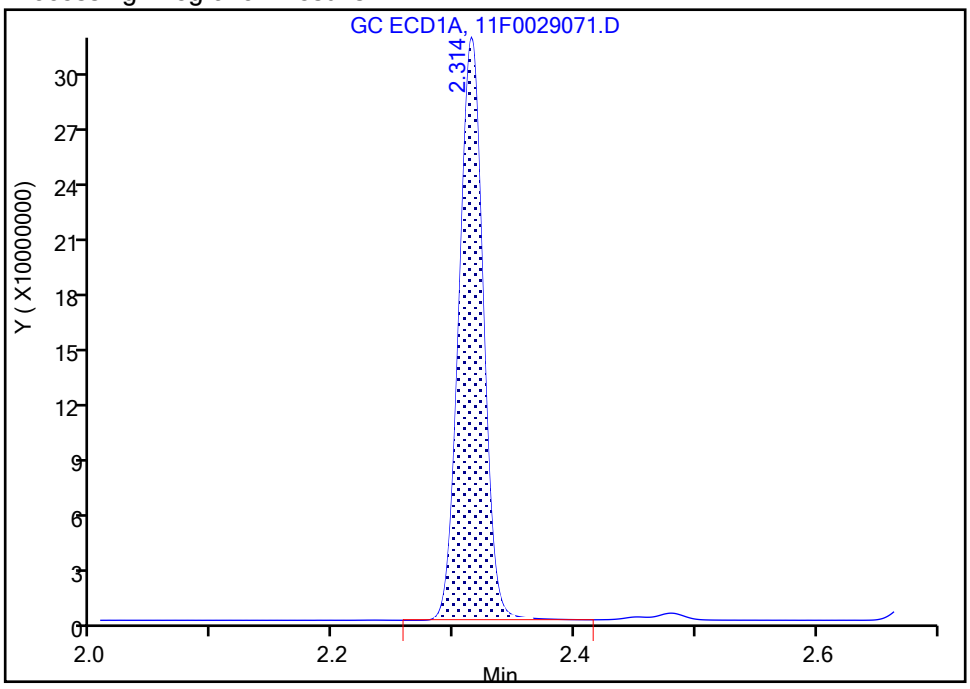
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 1

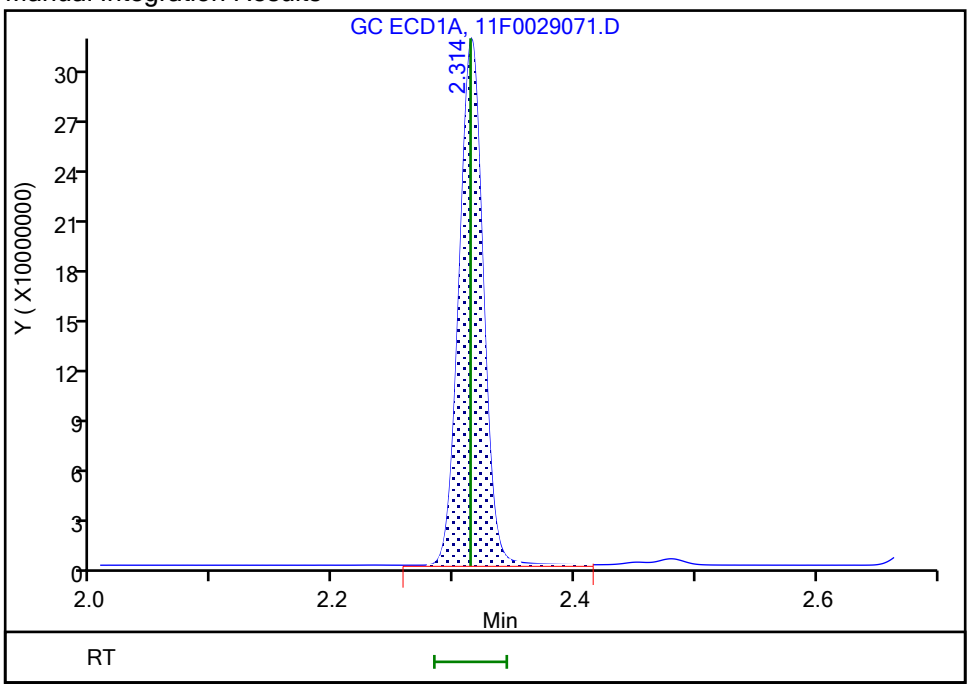
Processing Integration Results

RT: 2.31
Area: 428856040
Amount: 232.0693
Amount Units: ug/l



Manual Integration Results

RT: 2.31
Area: 428675139
Amount: 231.9941
Amount Units: ug/l



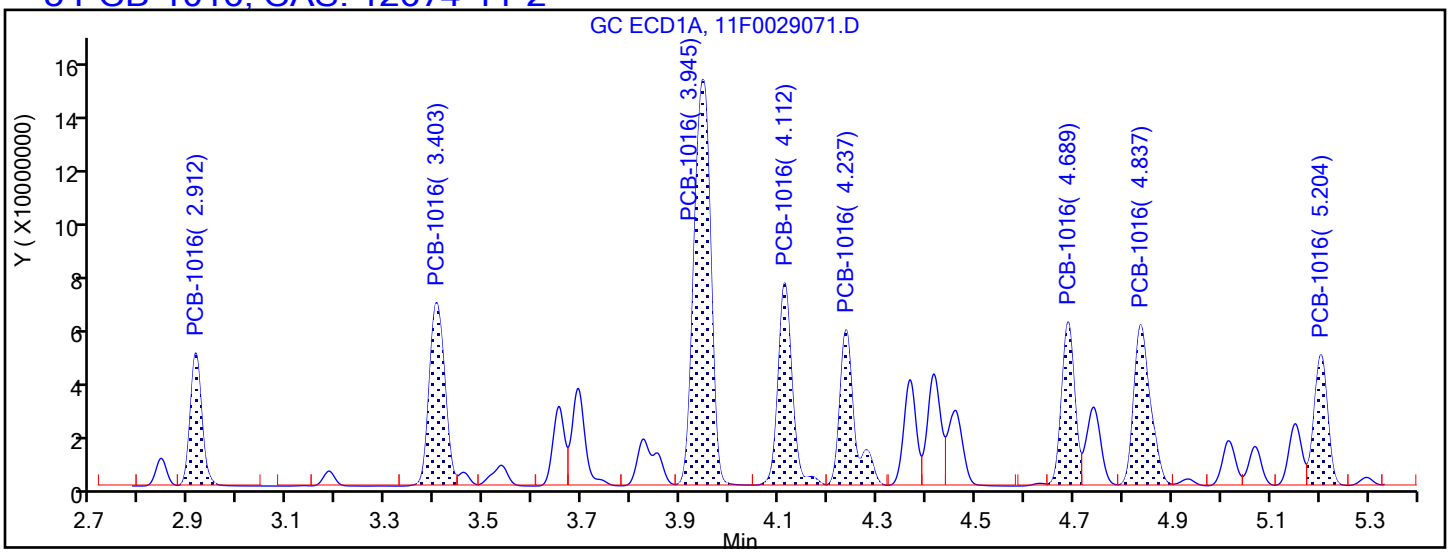
Reviewer: OR9X, 21-Dec-2023 12:53:38 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

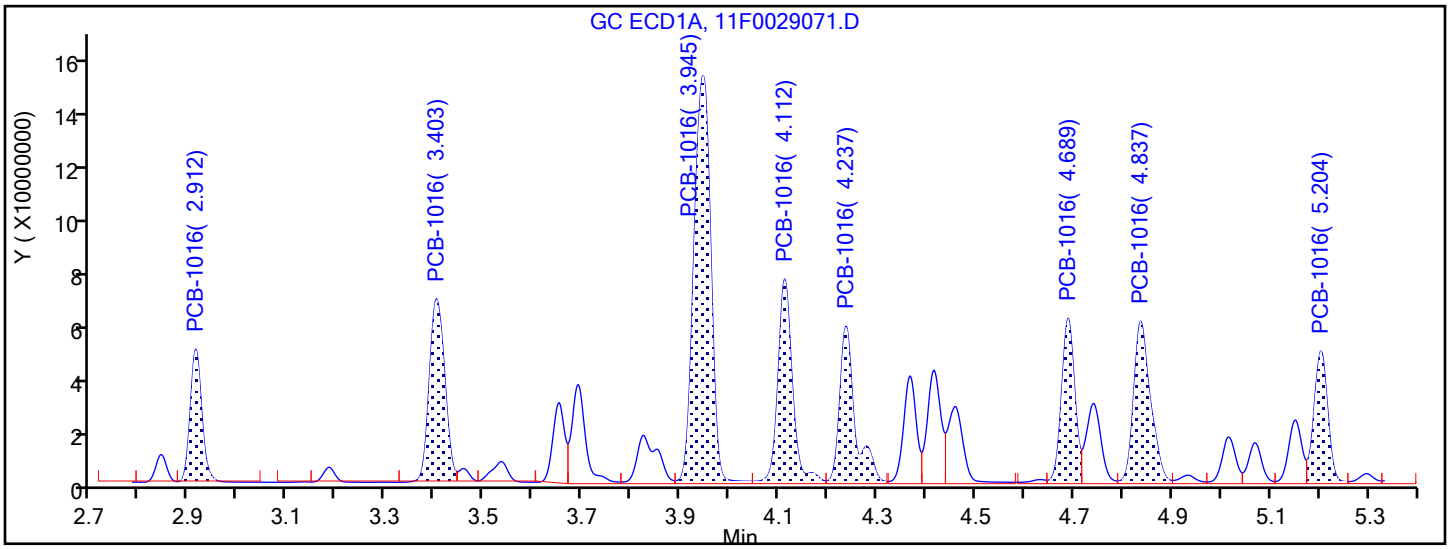
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 81263562
3.403	Response = 148460646
3.945	Response = 353436873
4.112	Response = 149969573
4.237	Response = 123551908
4.689	Response = 111838654
4.837	Response = 138803897
5.204	Response = 92944559



Manual Integration Results

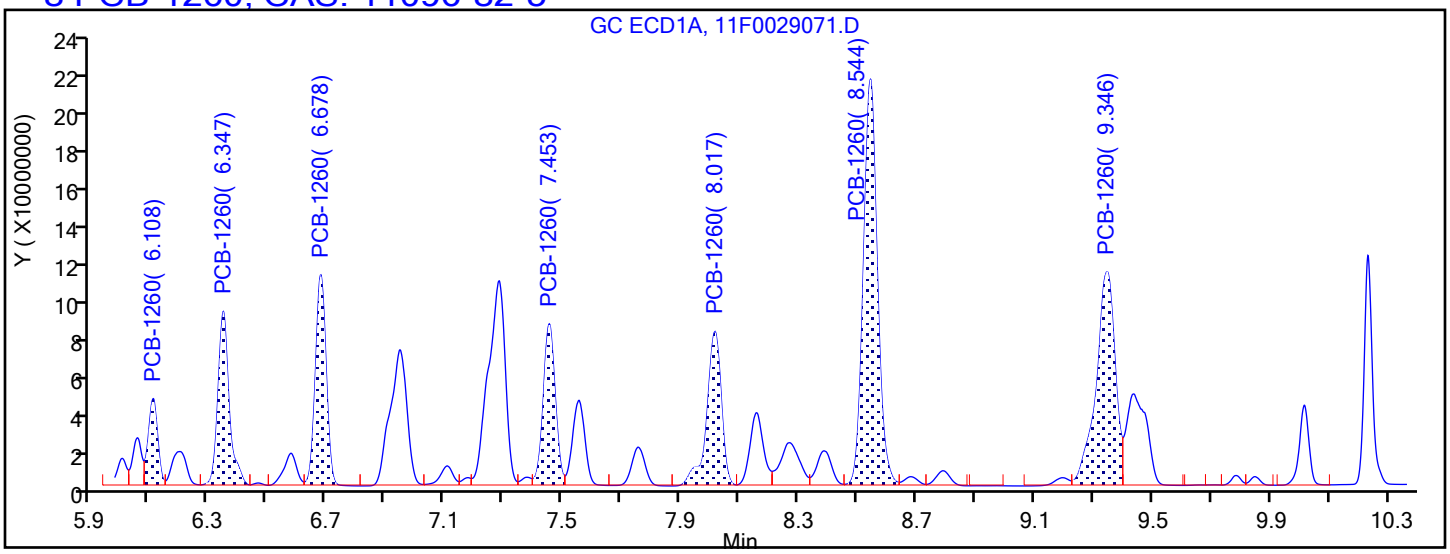
2.912	Response = 81383757	M
3.403	Response = 148529605	M
3.945	Response = 355157973	M
4.112	Response = 151849646	M
4.237	Response = 125187388	M
4.689	Response = 112720699	M

Report Date: 21-Dec-2023 14:23:46 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

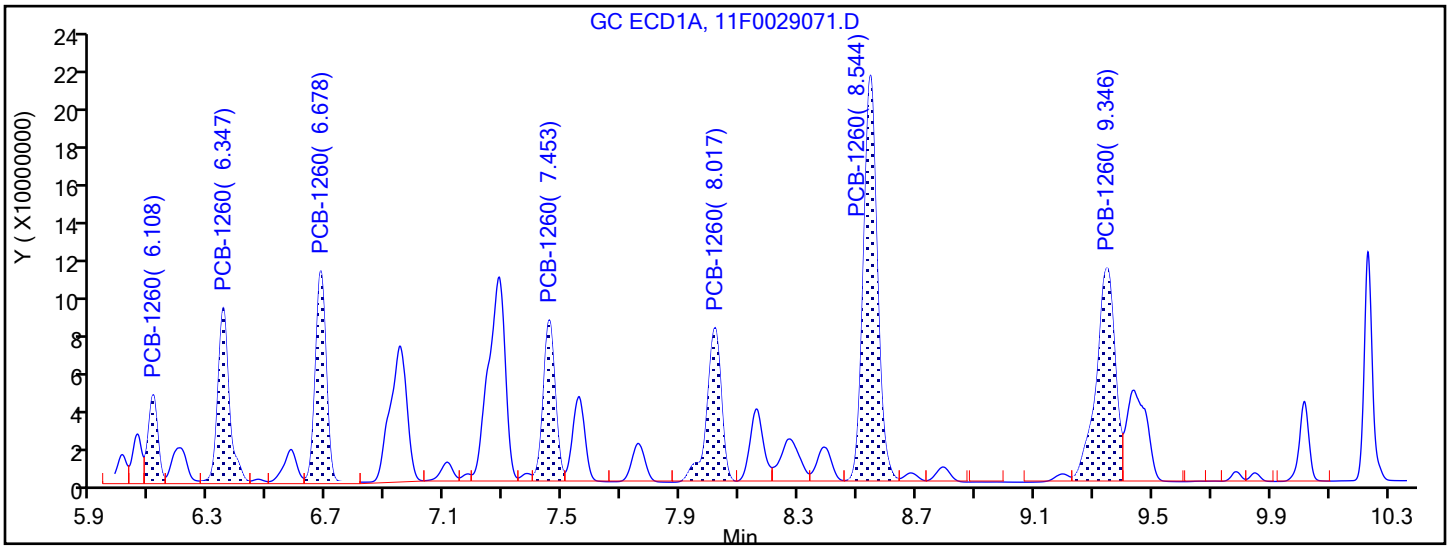
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.108	Response = 100505040
6.347	Response = 237613626
6.678	Response = 273388873
7.453	Response = 235112803
8.017	Response = 270470373
8.544	Response = 678096963
9.346	Response = 489848240
10.233	Response = 226327114



Manual Integration Results

6.108	Response = 100646473	M
6.347	Response = 238068015	M
6.678	Response = 274300092	M
7.453	Response = 236550765	M
8.017	Response = 273597625	M
8.544	Response = 683564638	M

Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

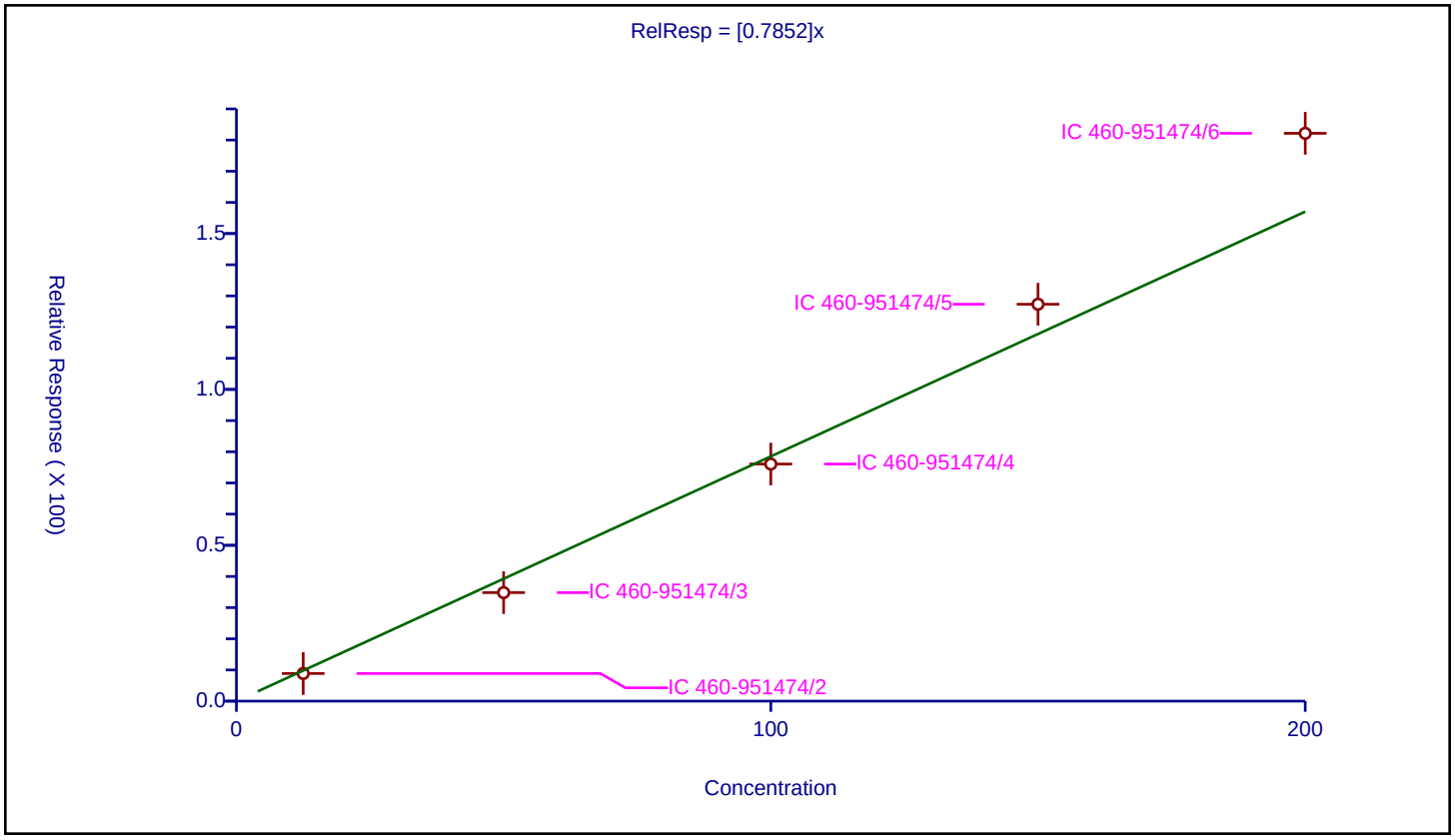
Curve Coefficients

Intercept:	0
Slope:	0.7852

Error Coefficients

Standard Error:	284000000
Relative Standard Error:	11.8
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	8.867727	20.0	49355200.0	0.709418	Y
2	IC 460-951474/3	50.0	34.812066	20.0	51725903.0	0.696241	Y
3	IC 460-951474/4	100.0	76.063658	20.0	46922711.0	0.760637	Y
4	IC 460-951474/5	150.0	127.332334	20.0	49213391.0	0.848882	Y
5	IC 460-951474/6	200.0	182.160966	20.0	47065532.0	0.910805	Y



Calibration / PCB-1016 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

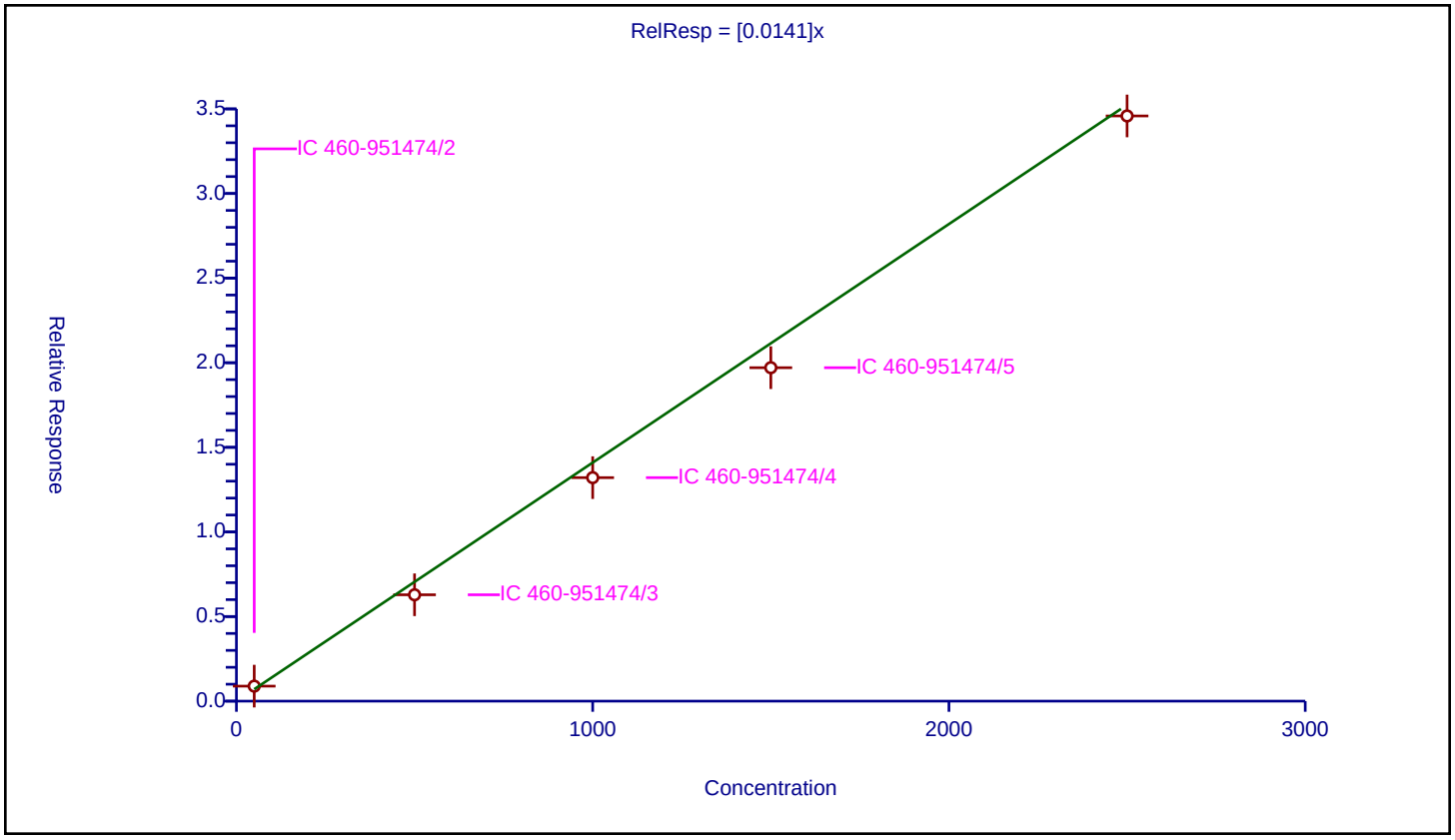
Curve Coefficients

Intercept:	0
Slope:	0.0141

Error Coefficients

Standard Error:	50500000
Relative Standard Error:	14.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.971

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	0.886695	20.0	49355200.0	0.017734	Y
2	IC 460-951474/3	500.0	6.285088	20.0	51725903.0	0.01257	Y
3	IC 460-951474/4	1000.0	13.20885	20.0	46922711.0	0.013209	Y
4	IC 460-951474/5	1500.0	19.705956	20.0	49213391.0	0.013137	Y
5	IC 460-951474/6	2500.0	34.583167	20.0	47065532.0	0.013833	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

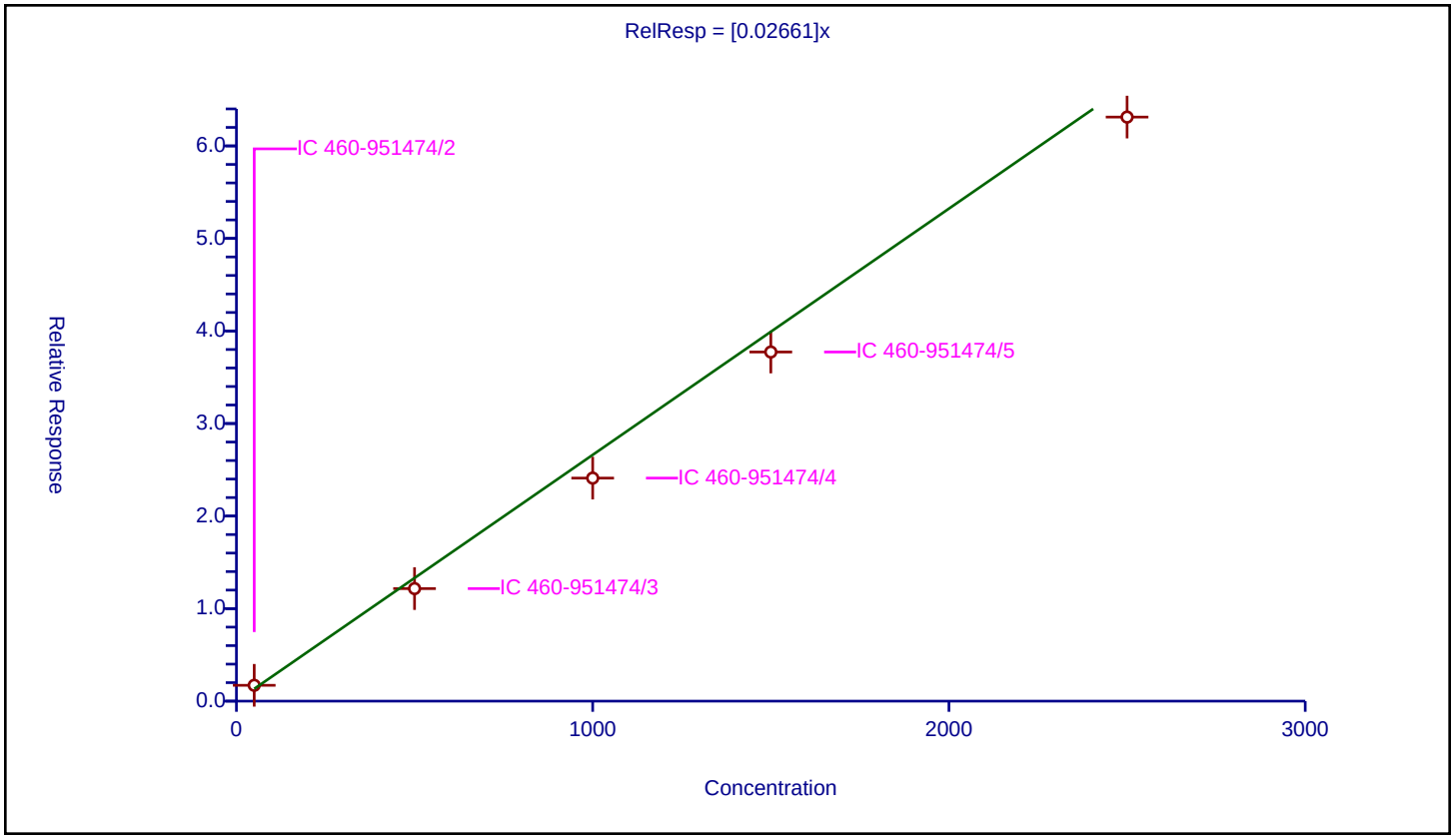
Curve Coefficients

Intercept:	0
Slope:	0.02661

Error Coefficients

Standard Error:	93400000
Relative Standard Error:	16.1
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.71155	20.0	49355200.0	0.034231	Y
2	IC 460-951474/3	500.0	12.161925	20.0	51725903.0	0.024324	Y
3	IC 460-951474/4	1000.0	24.103315	20.0	46922711.0	0.024103	Y
4	IC 460-951474/5	1500.0	37.72895	20.0	49213391.0	0.025153	Y
5	IC 460-951474/6	2500.0	63.116085	20.0	47065532.0	0.025246	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

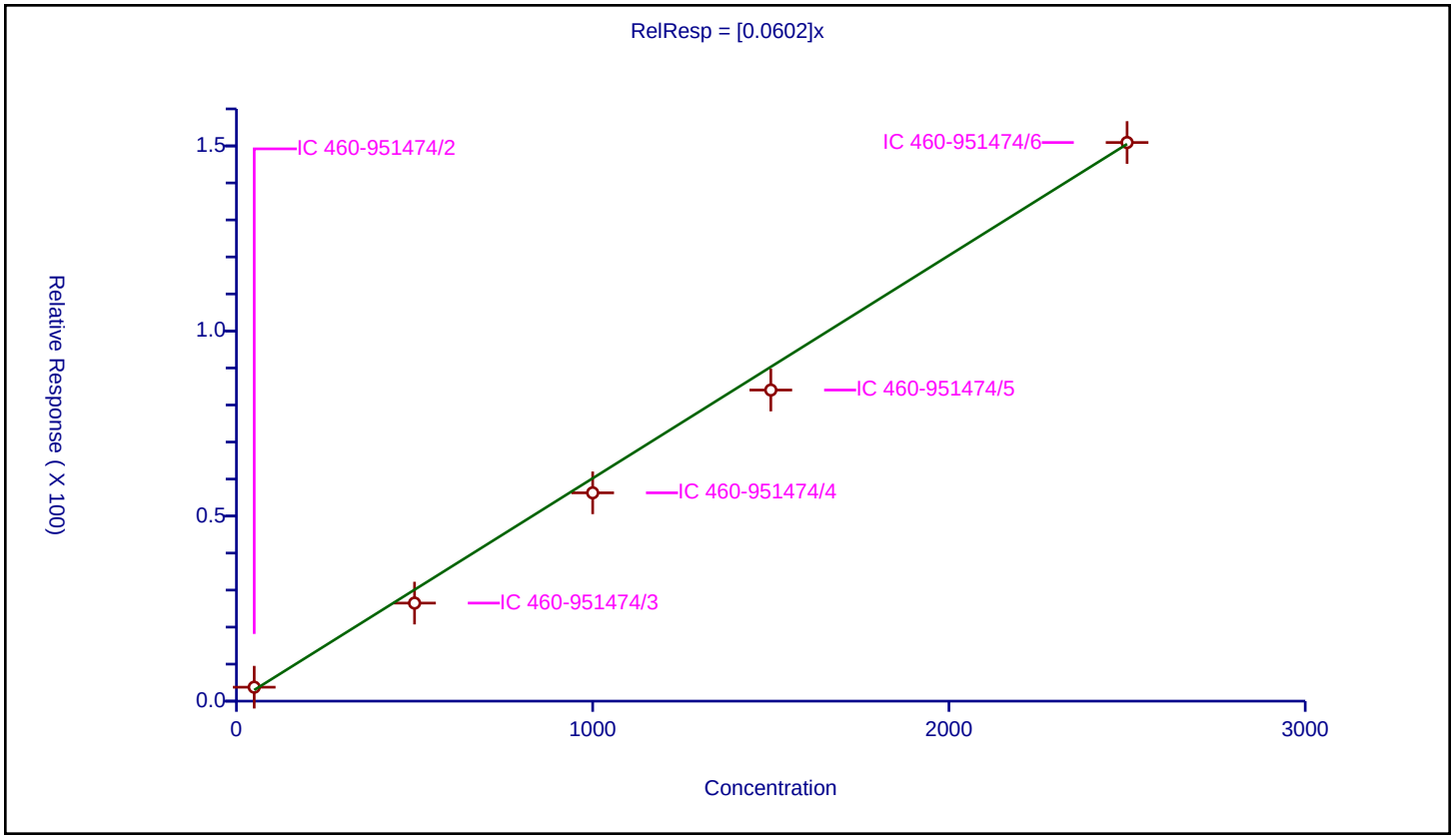
Curve Coefficients

Intercept:	0
Slope:	0.0602

Error Coefficients

Standard Error:	219000000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.767768	20.0	49355200.0	0.075355	Y
2	IC 460-951474/3	500.0	26.489998	20.0	51725903.0	0.05298	Y
3	IC 460-951474/4	1000.0	56.277448	20.0	46922711.0	0.056277	Y
4	IC 460-951474/5	1500.0	84.045506	20.0	49213391.0	0.05603	Y
5	IC 460-951474/6	2500.0	150.920624	20.0	47065532.0	0.060368	Y



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Calibration / PCB-1016 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

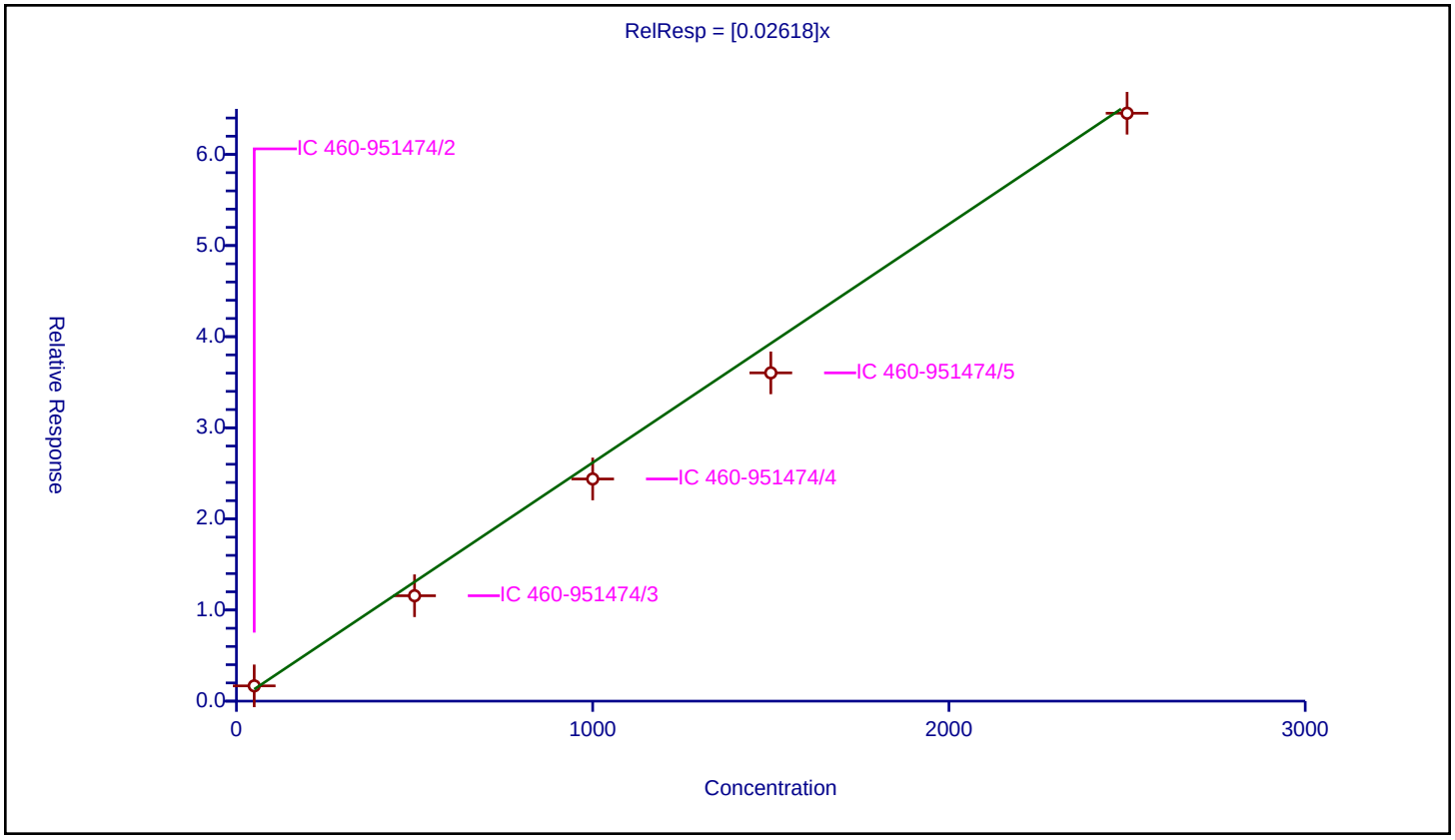
Curve Coefficients

Intercept:	0
Slope:	0.02618

Error Coefficients

Standard Error:	93700000
Relative Standard Error:	16.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.965

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.676405	20.0	49355200.0	0.033528	Y
2	IC 460-951474/3	500.0	11.56839	20.0	51725903.0	0.023137	Y
3	IC 460-951474/4	1000.0	24.384387	20.0	46922711.0	0.024384	Y
4	IC 460-951474/5	1500.0	36.028102	20.0	49213391.0	0.024019	Y
5	IC 460-951474/6	2500.0	64.526901	20.0	47065532.0	0.025811	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

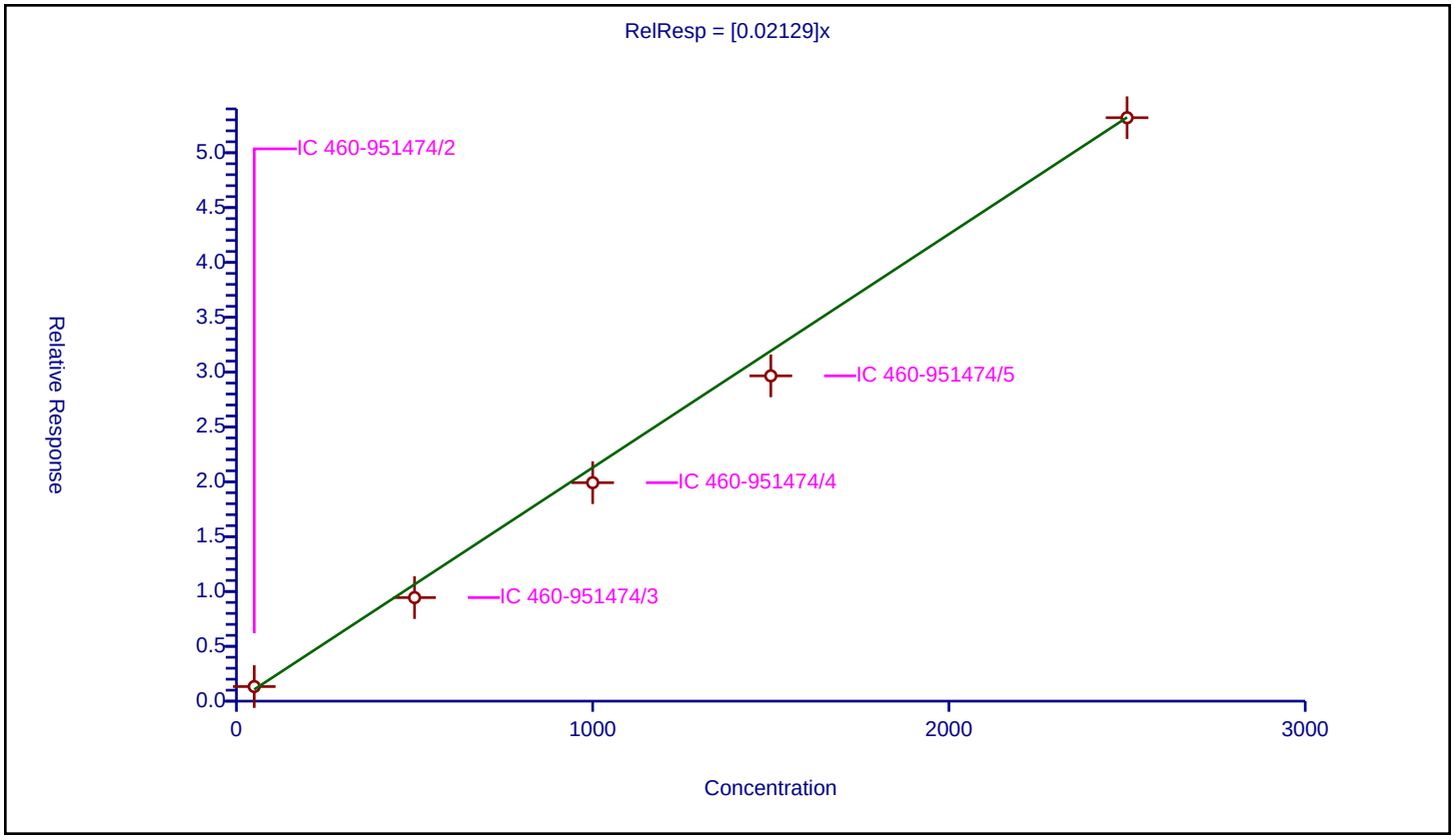
Curve Coefficients

Intercept:	0
Slope:	0.02129

Error Coefficients

Standard Error:	77100000
Relative Standard Error:	14.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.972

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.330228	20.0	49355200.0	0.026605	Y
2	IC 460-951474/3	500.0	9.439983	20.0	51725903.0	0.01888	Y
3	IC 460-951474/4	1000.0	19.919309	20.0	46922711.0	0.019919	Y
4	IC 460-951474/5	1500.0	29.659654	20.0	49213391.0	0.019773	Y
5	IC 460-951474/6	2500.0	53.197056	20.0	47065532.0	0.021279	Y



Calibration / PCB-1016 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

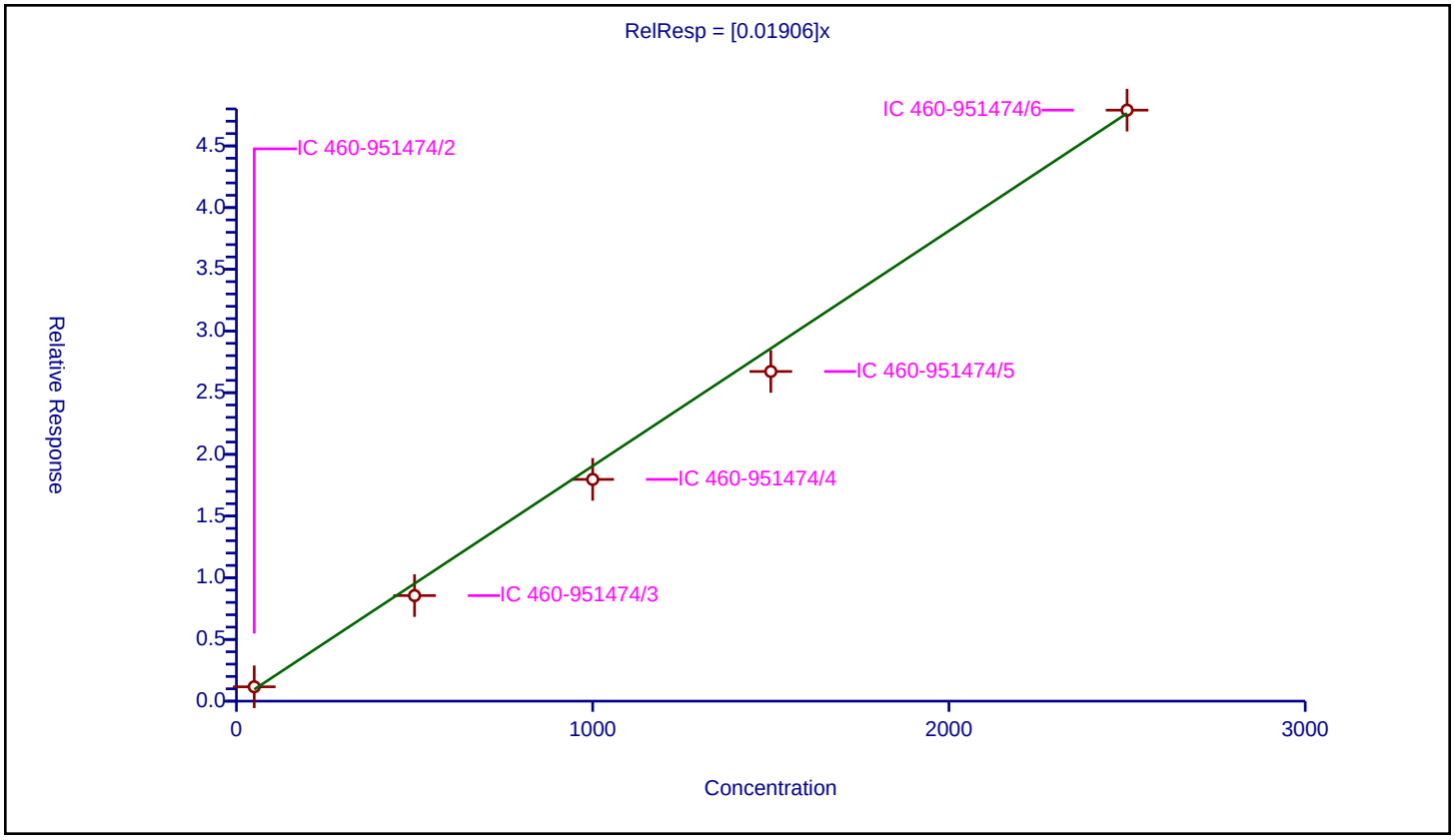
Curve Coefficients

Intercept:	0
Slope:	0.01906

Error Coefficients

Standard Error:	69500000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.16179	20.0	49355200.0	0.023236	Y
2	IC 460-951474/3	500.0	8.554626	20.0	51725903.0	0.017109	Y
3	IC 460-951474/4	1000.0	17.971102	20.0	46922711.0	0.017971	Y
4	IC 460-951474/5	1500.0	26.718238	20.0	49213391.0	0.017812	Y
5	IC 460-951474/6	2500.0	47.899469	20.0	47065532.0	0.01916	Y



Calibration / PCB-1016 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

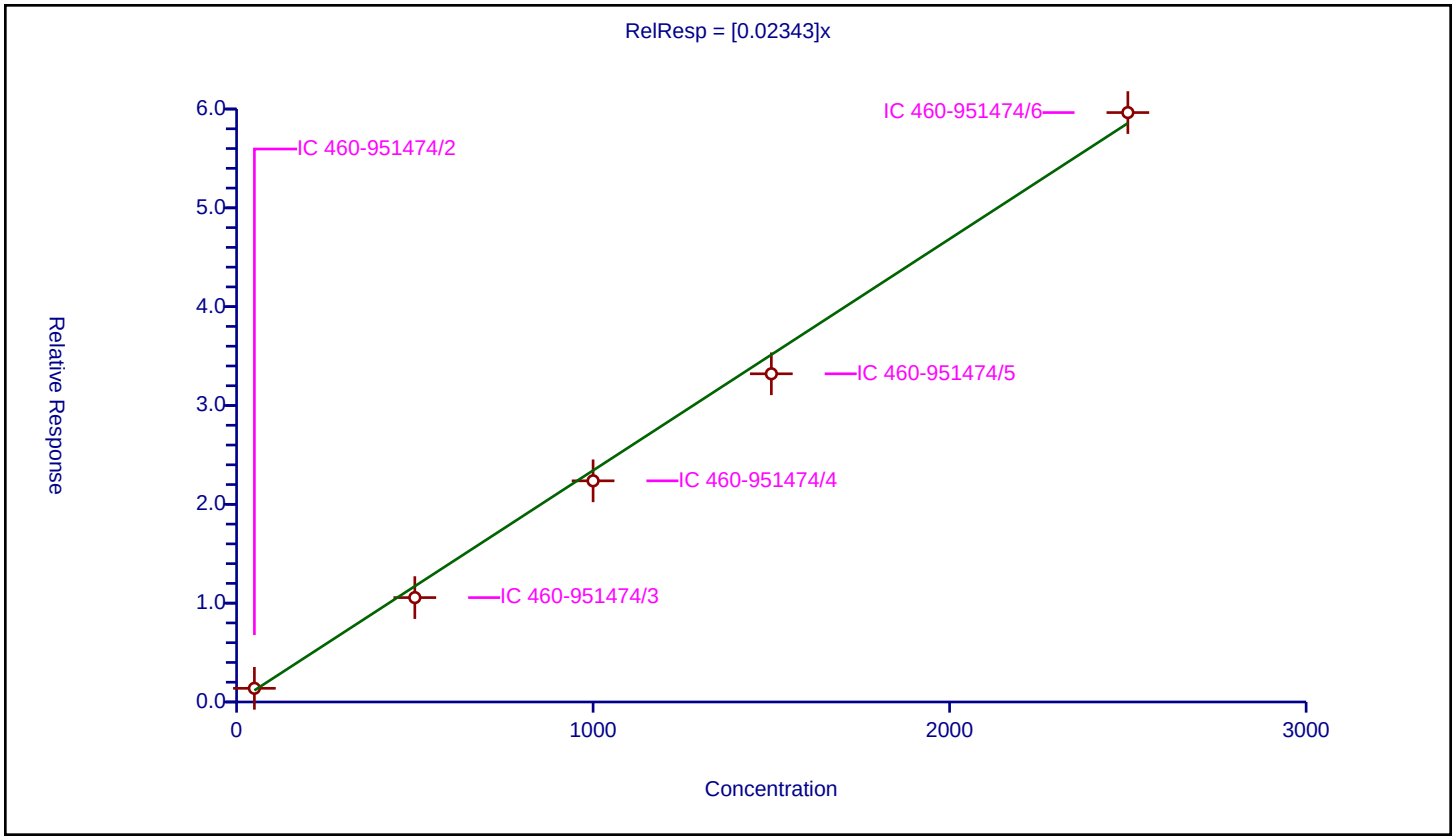
Curve Coefficients

Intercept:	0
Slope:	0.02343

Error Coefficients

Standard Error:	86400000
Relative Standard Error:	10.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.381943	20.0	49355200.0	0.027639	Y
2	IC 460-951474/3	500.0	10.561373	20.0	51725903.0	0.021123	Y
3	IC 460-951474/4	1000.0	22.377374	20.0	46922711.0	0.022377	Y
4	IC 460-951474/5	1500.0	33.209616	20.0	49213391.0	0.02214	Y
5	IC 460-951474/6	2500.0	59.640163	20.0	47065532.0	0.023856	Y



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Calibration / PCB-1016 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

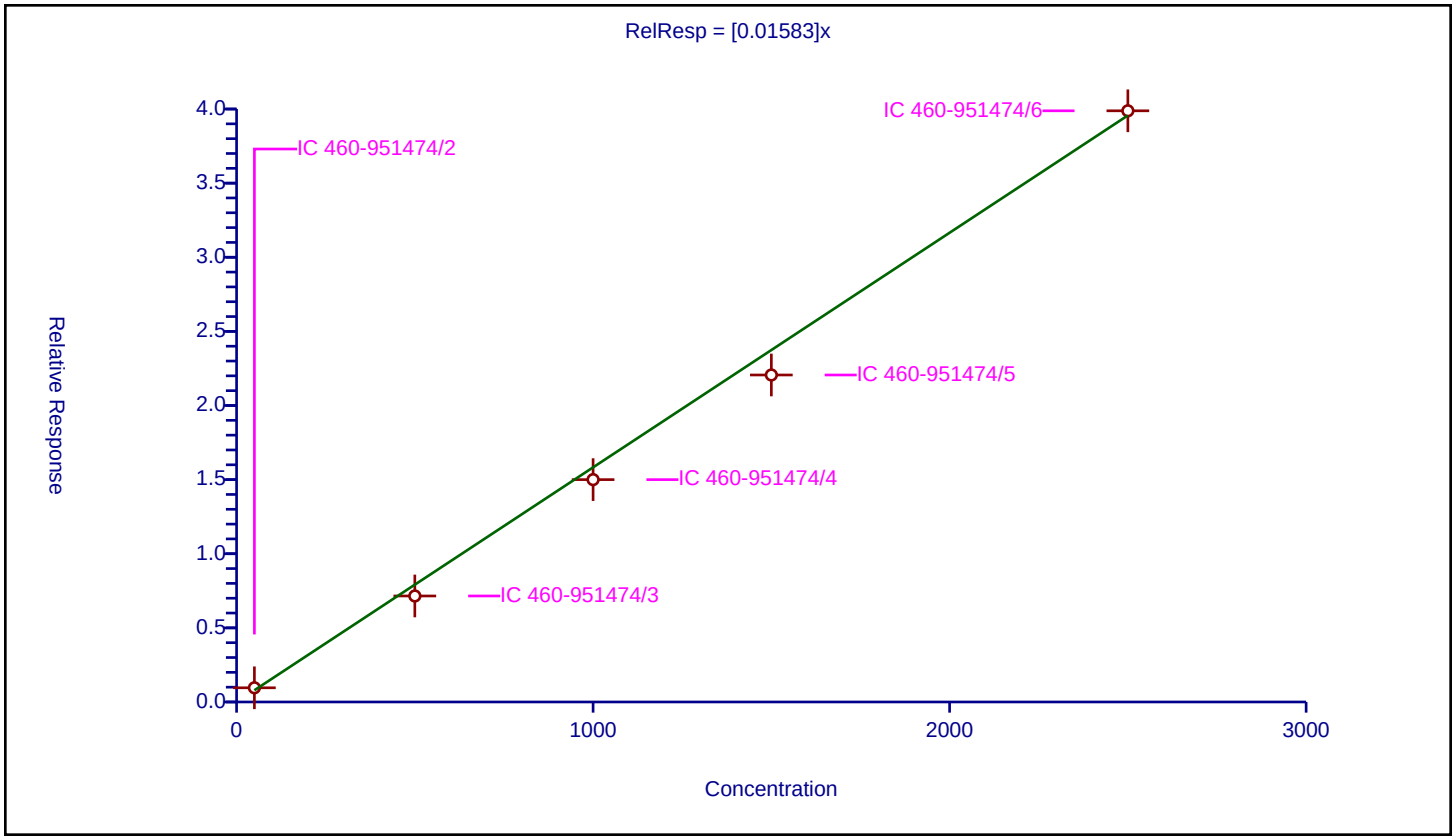
Curve Coefficients

Intercept:	0
Slope:	0.01583

Error Coefficients

Standard Error:	57700000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	0.958609	20.0	49355200.0	0.019172	Y
2	IC 460-951474/3	500.0	7.15149	20.0	51725903.0	0.014303	Y
3	IC 460-951474/4	1000.0	15.000203	20.0	46922711.0	0.015	Y
4	IC 460-951474/5	1500.0	22.057904	20.0	49213391.0	0.014705	Y
5	IC 460-951474/6	2500.0	39.88017	20.0	47065532.0	0.015952	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

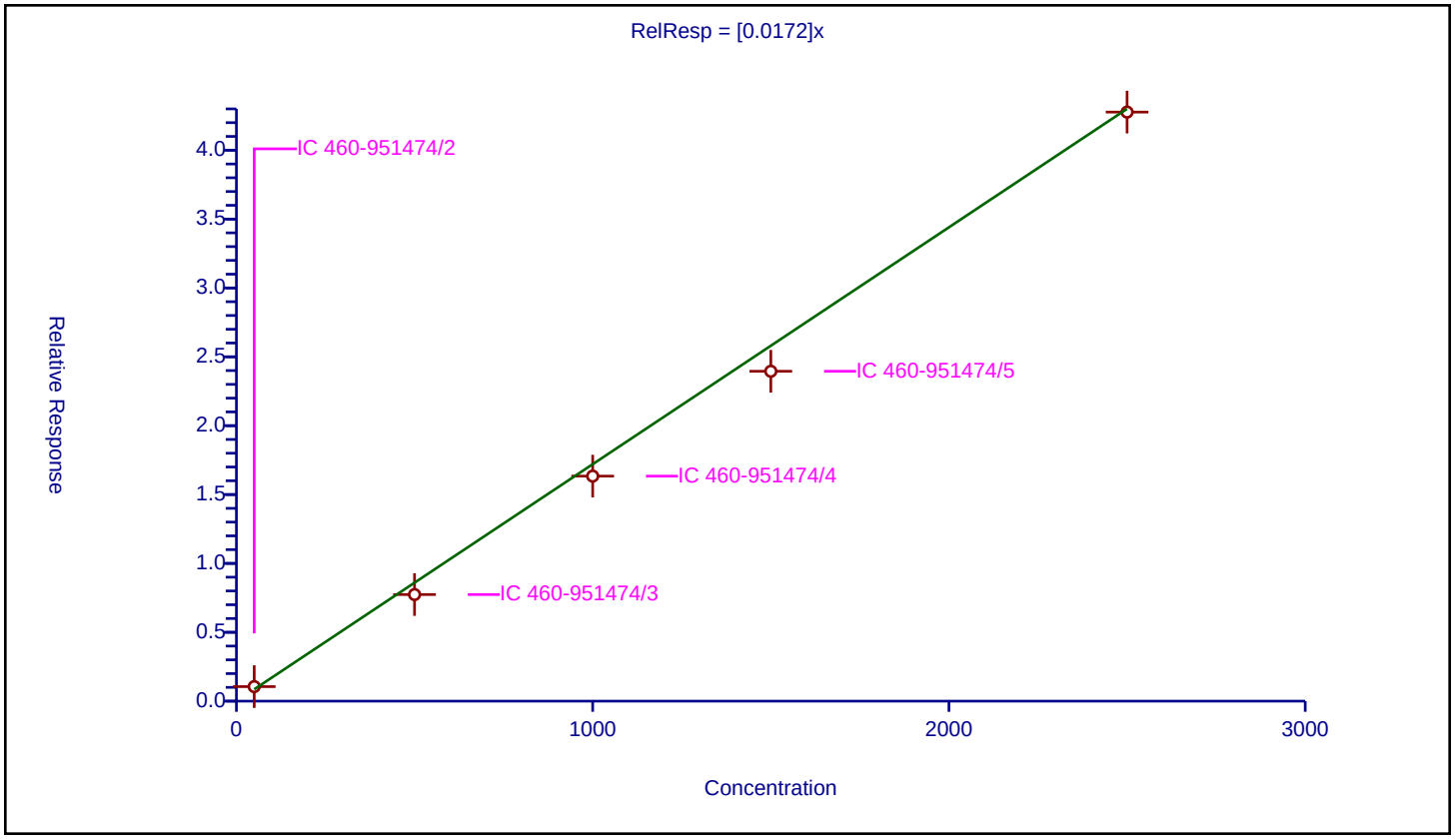
Curve Coefficients

Intercept:	0
Slope:	0.0172

Error Coefficients

Standard Error:	62200000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.05575	20.0	49355200.0	0.021115	Y
2	IC 460-951474/3	500.0	7.740105	20.0	51725903.0	0.01548	Y
3	IC 460-951474/4	1000.0	16.33794	20.0	46922711.0	0.016338	Y
4	IC 460-951474/5	1500.0	23.949748	20.0	49213391.0	0.015966	Y
5	IC 460-951474/6	2500.0	42.768654	20.0	47065532.0	0.017107	Y



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Calibration / PCB-1260 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

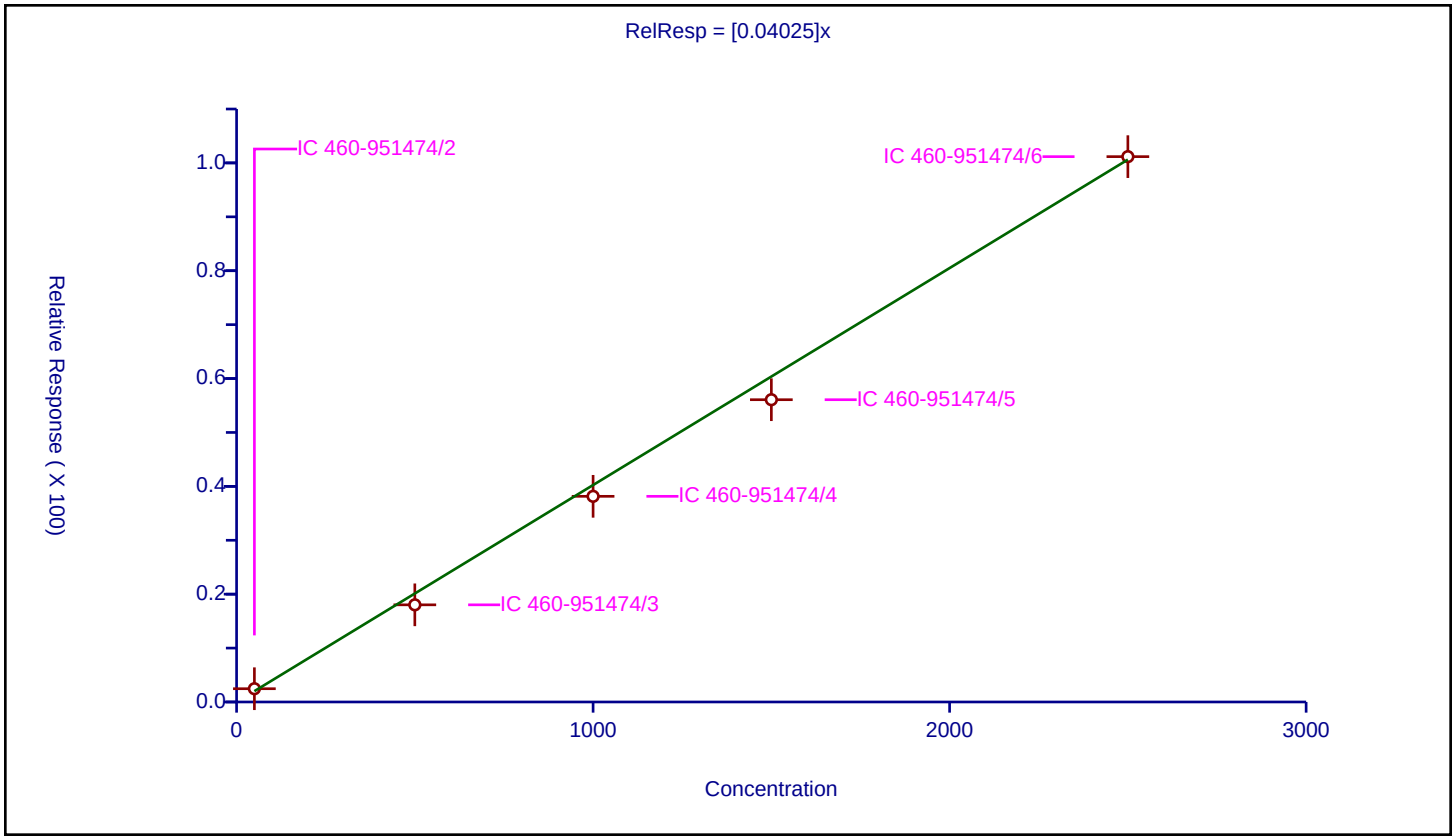
Curve Coefficients

Intercept:	0
Slope:	0.04025

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	13.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.45905	20.0	49355200.0	0.049181	Y
2	IC 460-951474/3	500.0	18.022027	20.0	51725903.0	0.036044	Y
3	IC 460-951474/4	1000.0	38.152451	20.0	46922711.0	0.038152	Y
4	IC 460-951474/5	1500.0	56.076661	20.0	49213391.0	0.037384	Y
5	IC 460-951474/6	2500.0	101.164485	20.0	47065532.0	0.040466	Y



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Calibration / PCB-1260 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

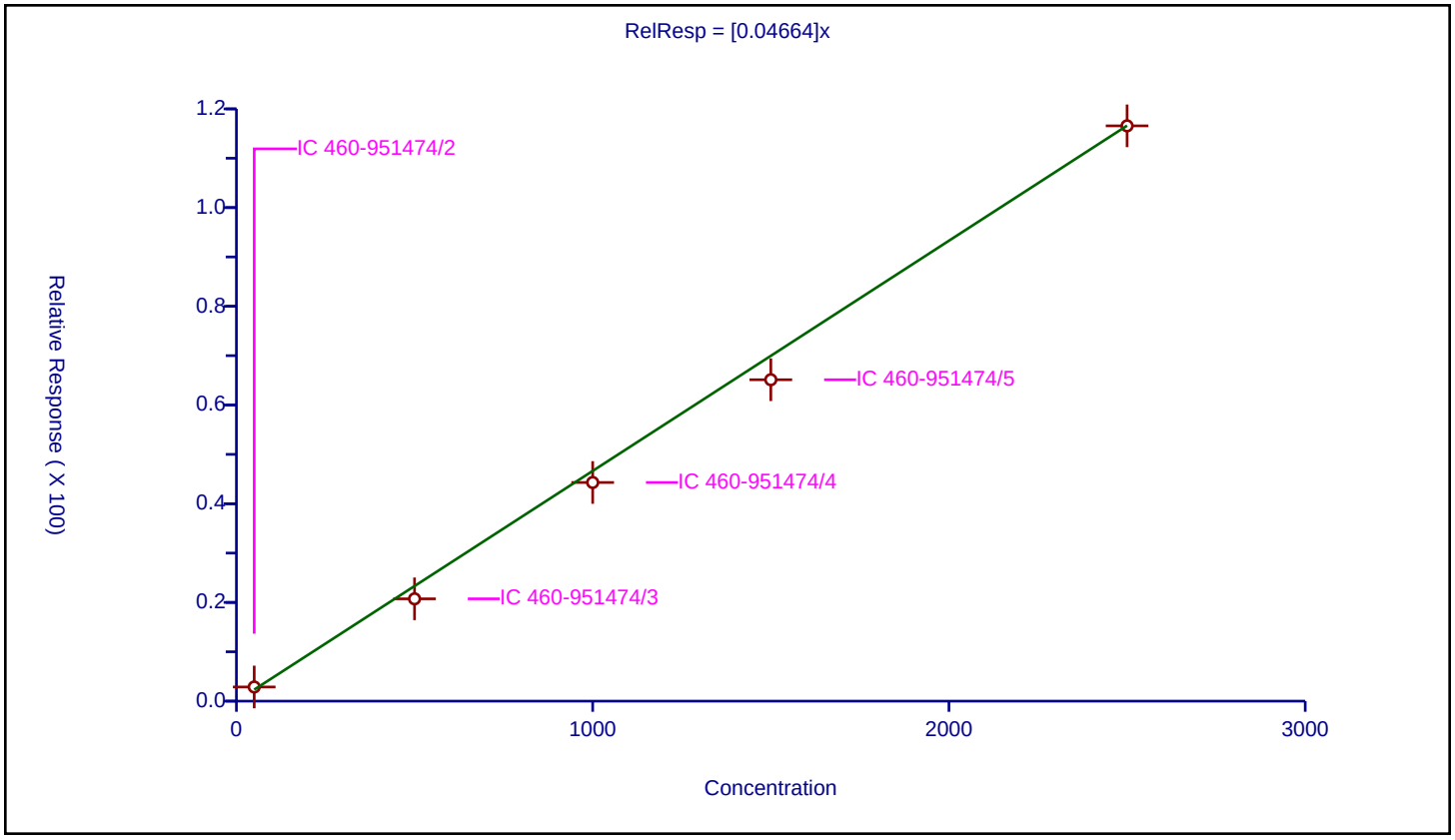
Curve Coefficients

Intercept:	0
Slope:	0.04664

Error Coefficients

Standard Error:	169000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.870508	20.0	49355200.0	0.05741	Y
2	IC 460-951474/3	500.0	20.729022	20.0	51725903.0	0.041458	Y
3	IC 460-951474/4	1000.0	44.304932	20.0	46922711.0	0.044305	Y
4	IC 460-951474/5	1500.0	65.122121	20.0	49213391.0	0.043415	Y
5	IC 460-951474/6	2500.0	116.560923	20.0	47065532.0	0.046624	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

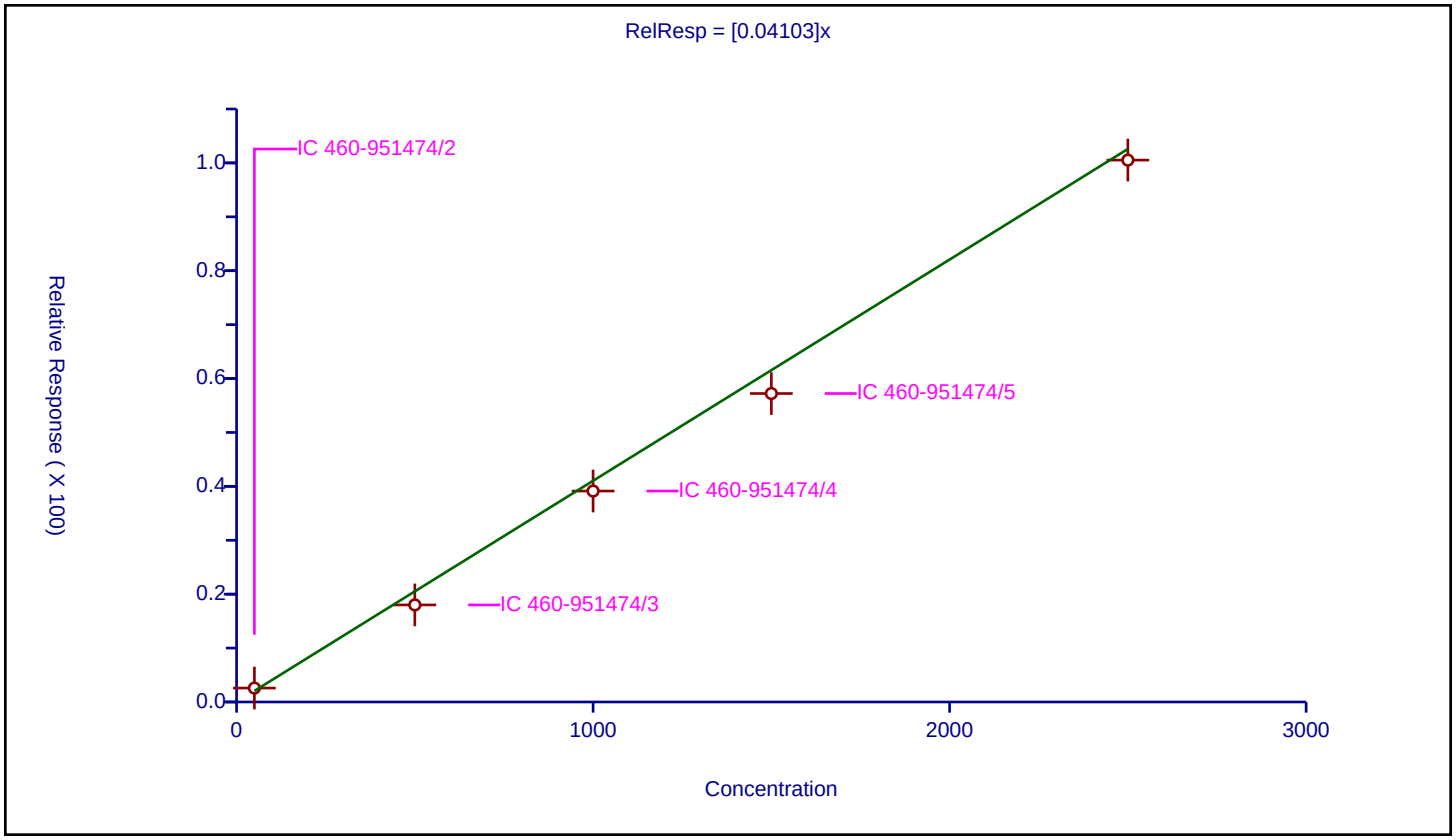
Curve Coefficients

Intercept:	0
Slope:	0.04103

Error Coefficients

Standard Error:	147000000
Relative Standard Error:	15.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.970

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.5838	20.0	49355200.0	0.051676	Y
2	IC 460-951474/3	500.0	18.00468	20.0	51725903.0	0.036009	Y
3	IC 460-951474/4	1000.0	39.131825	20.0	46922711.0	0.039132	Y
4	IC 460-951474/5	1500.0	57.223003	20.0	49213391.0	0.038149	Y
5	IC 460-951474/6	2500.0	100.519746	20.0	47065532.0	0.040208	Y



3/27/2024
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Calibration / PCB-1260 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

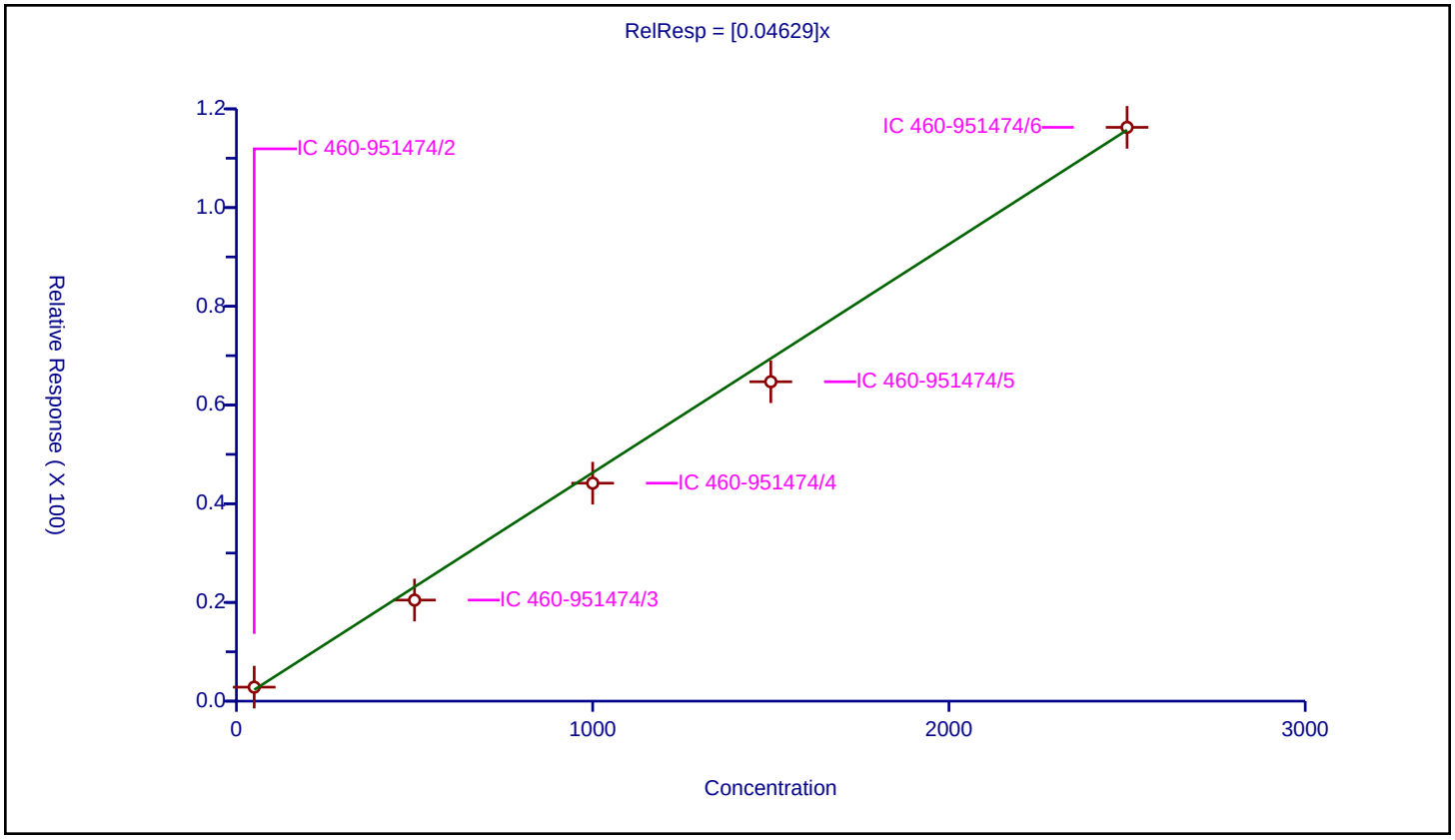
Curve Coefficients

Intercept:	0
Slope:	0.04629

Error Coefficients

Standard Error:	169000000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.833685	20.0	49355200.0	0.056674	Y
2	IC 460-951474/3	500.0	20.476894	20.0	51725903.0	0.040954	Y
3	IC 460-951474/4	1000.0	44.161401	20.0	46922711.0	0.044161	Y
4	IC 460-951474/5	1500.0	64.719144	20.0	49213391.0	0.043146	Y
5	IC 460-951474/6	2500.0	116.262417	20.0	47065532.0	0.046505	Y



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Calibration / PCB-1260 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

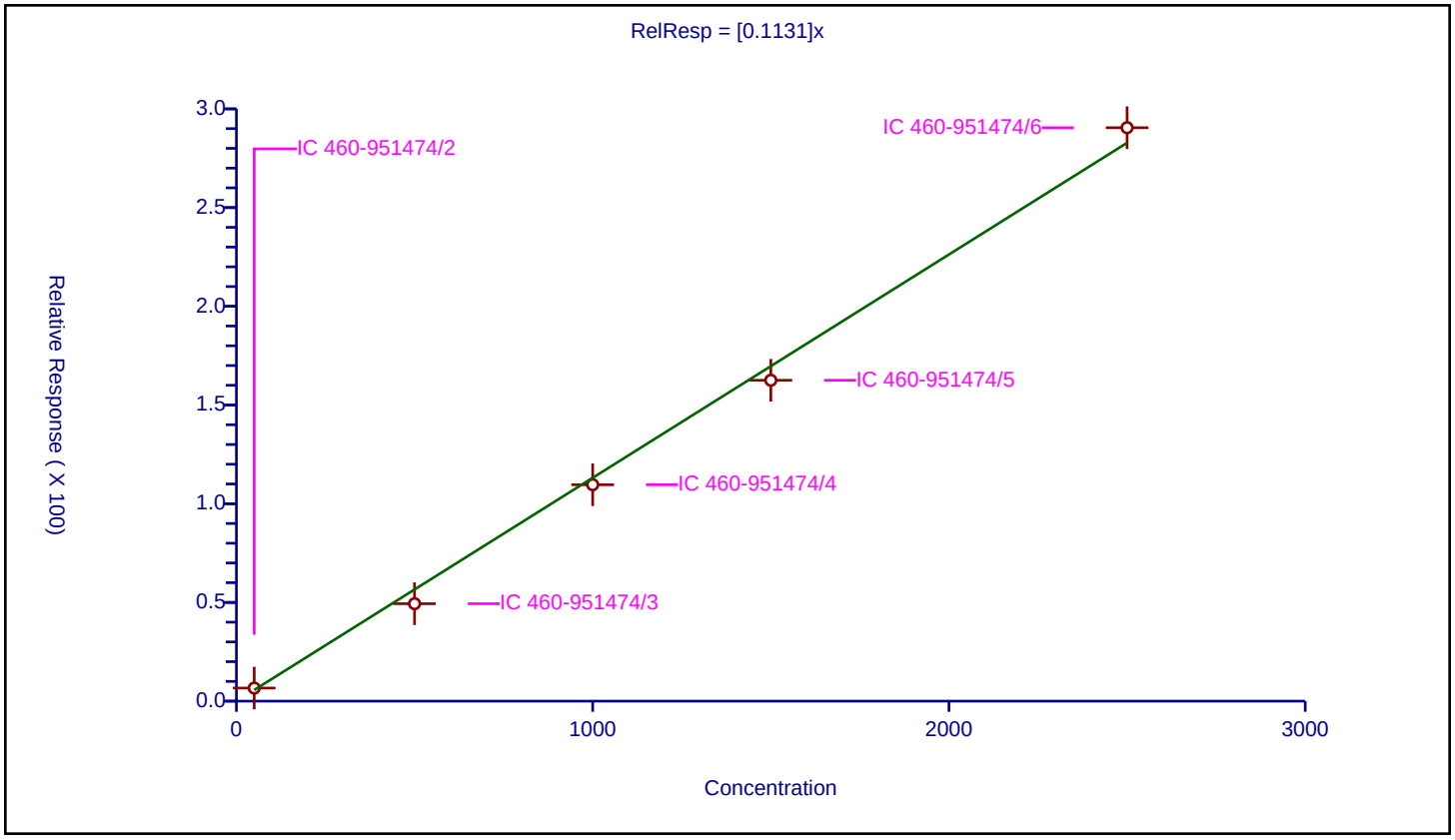
Curve Coefficients

Intercept:	0
Slope:	0.1131

Error Coefficients

Standard Error:	421000000
Relative Standard Error:	11.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	6.63568	20.0	49355200.0	0.132714	Y
2	IC 460-951474/3	500.0	49.356652	20.0	51725903.0	0.098713	Y
3	IC 460-951474/4	1000.0	109.62431	20.0	46922711.0	0.109624	Y
4	IC 460-951474/5	1500.0	162.538989	20.0	49213391.0	0.108359	Y
5	IC 460-951474/6	2500.0	290.473563	20.0	47065532.0	0.116189	Y



Calibration / PCB-1260 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

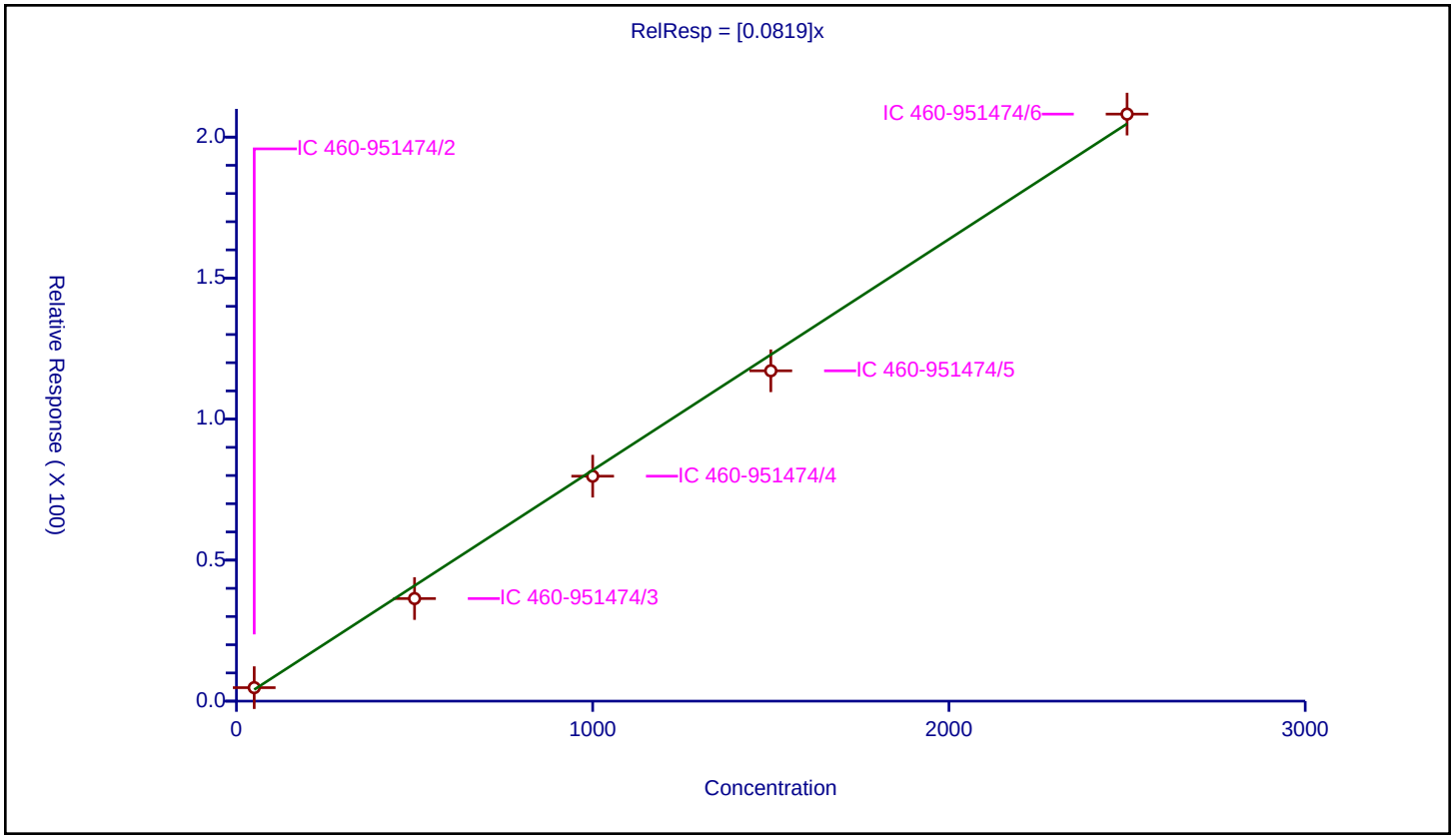
Curve Coefficients

Intercept:	0
Slope:	0.0819

Error Coefficients

Standard Error:	303000000
Relative Standard Error:	10.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.780218	20.0	49355200.0	0.095604	Y
2	IC 460-951474/3	500.0	36.37667	20.0	51725903.0	0.072753	Y
3	IC 460-951474/4	1000.0	79.767773	20.0	46922711.0	0.079768	Y
4	IC 460-951474/5	1500.0	117.141908	20.0	49213391.0	0.078095	Y
5	IC 460-951474/6	2500.0	208.155828	20.0	47065532.0	0.083262	Y



Calibration / PCB-1260 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

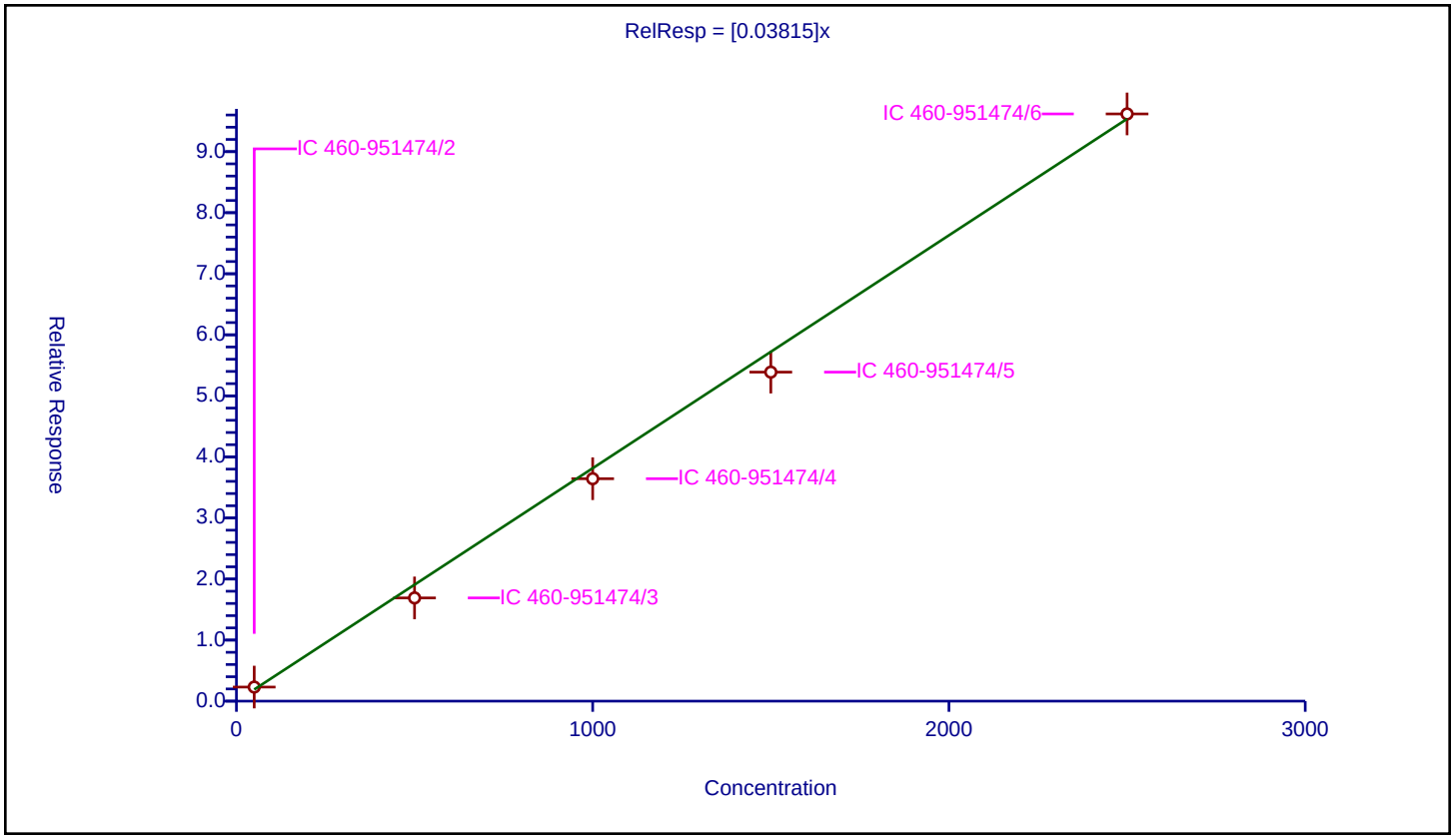
Curve Coefficients

Intercept:	0
Slope:	0.03815

Error Coefficients

Standard Error:	140000000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.304656	20.0	49355200.0	0.046093	Y
2	IC 460-951474/3	500.0	16.905656	20.0	51725903.0	0.033811	Y
3	IC 460-951474/4	1000.0	36.42979	20.0	46922711.0	0.03643	Y
4	IC 460-951474/5	1500.0	53.886899	20.0	49213391.0	0.035925	Y
5	IC 460-951474/6	2500.0	96.175313	20.0	47065532.0	0.03847	Y



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Calibration / DCB Decachlorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

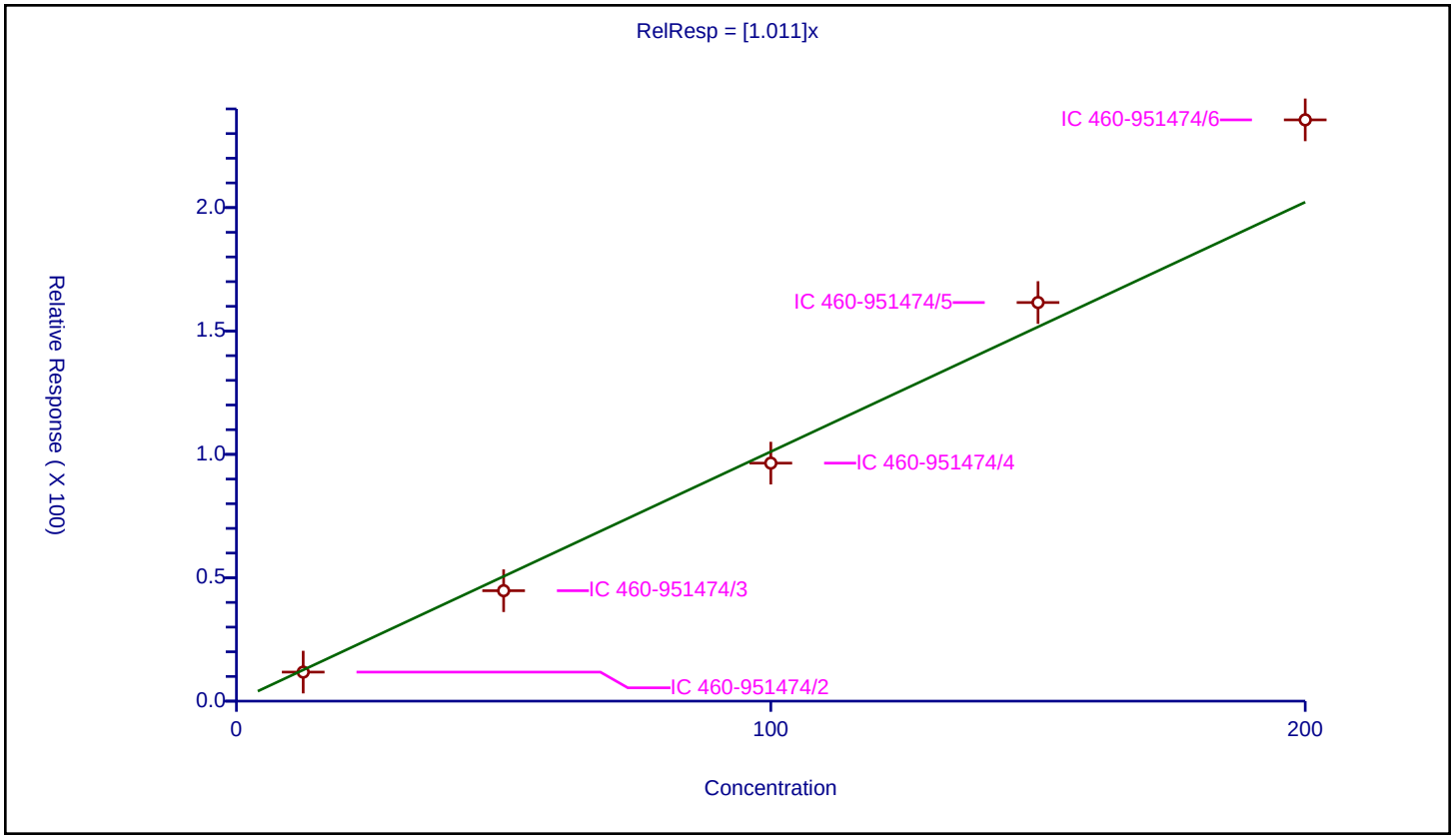
Curve Coefficients

Intercept:	0
Slope:	1.011

Error Coefficients

Standard Error:	364000000
Relative Standard Error:	11.3
Correlation Coefficient:	0.992
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	11.765089	20.0	49355200.0	0.941207	Y
2	IC 460-951474/3	50.0	44.748131	20.0	51725903.0	0.894963	Y
3	IC 460-951474/4	100.0	96.451518	20.0	46922711.0	0.964515	Y
4	IC 460-951474/5	150.0	161.539559	20.0	49213391.0	1.07693	Y
5	IC 460-951474/6	200.0	235.556275	20.0	47065532.0	1.177781	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 Calibration End Date: 12/21/2023 11:49 Calibration ID: 95503

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
PCB-1016 Peak 1	0.0277	0.0191	0.0190	0.0187	0.0188	Ave		0.0207				19.1		20.0			
PCB-1016 Peak 2	0.0478	0.0348	0.0352	0.0345	0.0358	Ave		0.0376				15.2		20.0			
PCB-1016 Peak 3	0.0307	0.0229	0.0232	0.0228	0.0238	Ave		0.0247				13.6		20.0			
PCB-1016 Peak 4	0.0938	0.0715	0.0748	0.0738	0.0781	Ave		0.0784				11.4		20.0			
PCB-1016 Peak 5	0.0401	0.0303	0.0313	0.0309	0.0323	Ave		0.0330				12.3		20.0			
PCB-1016 Peak 6	0.0258	0.0198	0.0204	0.0200	0.0212	Ave		0.0214				11.6		20.0			
PCB-1016 Peak 7	0.0431	0.0319	0.0330	0.0324	0.0341	Ave		0.0349				13.3		20.0			
PCB-1016 Peak 8	0.0221	0.0166	0.0171	0.0165	0.0174	Ave		0.0179				13.2		20.0			
PCB-1260 Peak 1	0.0604	0.0444	0.0461	0.0454	0.0479	Ave		0.0489				13.5		20.0			
PCB-1260 Peak 2	0.1091	0.0826	0.0861	0.0852	0.0905	Ave		0.0907				11.8		20.0			
PCB-1260 Peak 3	0.0714	0.0476	0.0494	0.0485	0.0509	Ave		0.0536				18.8		20.0			
PCB-1260 Peak 4	0.0943	0.0705	0.0737	0.0725	0.0772	Ave		0.0776				12.4		20.0			
PCB-1260 Peak 5	0.1569	0.1199	0.1252	0.1238	0.1330	Ave		0.1318				11.2		20.0			
PCB-1260 Peak 6	0.0736	0.0559	0.0593	0.0592	0.0635	Ave		0.0623				11.0		20.0			
PCB-1260 Peak 7	0.0516	0.0371	0.0384	0.0366	0.0400	Ave		0.0408				15.3		20.0			
PCB-1260 Peak 8	0.0519	0.0388	0.0407	0.0399	0.0422	Ave		0.0427				12.3		20.0			
Tetrachloro-m-xylene	1.0513	1.0126	1.0533	1.1437	1.2086	Ave		1.0939				7.3		20.0			
DCB Decachlorobiphenyl	1.1663	1.0926	1.1381	1.2396	1.3227	Ave		1.1919				7.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 10:43 | Calibration End Date: 12/21/2023 11:49 | Calibration ID: 95503

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/2	11F0029067.D
Level 2	IC 460-951474/3	11F0029068.D
Level 3	IC 460-951474/4	11F0029069.D
Level 4	IC 460-951474/5	11F0029070.D
Level 5	IC 460-951474/6	11F0029071.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	BNB	Ave	3200491	22958293	41884896	64815260	104352362	50.0	500	1000	1500	2500
PCB-1016 Peak 2	BNB	Ave	5524244	41797934	77726856	119318735	199021915	50.0	500	1000	1500	2500
PCB-1016 Peak 3	BNB	Ave	3539850	27565911	51159884	78998953	132030879	50.0	500	1000	1500	2500
PCB-1016 Peak 4	BNB	Ave	10829358	85984303	164994010	255716405	434027187	50.0	500	1000	1500	2500
PCB-1016 Peak 5	BNB	Ave	4636036	36390520	69128119	107163148	179208520	50.0	500	1000	1500	2500
PCB-1016 Peak 6	BNB	Ave	2978735	23822245	44994626	69329168	117812356	50.0	500	1000	1500	2500
PCB-1016 Peak 7	BNB	Ave	4974778	38399439	72723528	112339722	189417239	50.0	500	1000	1500	2500
PCB-1016 Peak 8	BNB	Ave	2552839	19899410	37635743	57289261	96767755	50.0	500	1000	1500	2500
PCB-1260 Peak 1	BNB	Ave	6978450	53342244	101848674	157238116	266073473	50.0	500	1000	1500	2500
PCB-1260 Peak 2	BNB	Ave	12601178	99307697	189924625	295202221	502608175	50.0	500	1000	1500	2500
PCB-1260 Peak 3	BNB	Ave	8244513	57274670	108924962	167948393	282681716	50.0	500	1000	1500	2500
PCB-1260 Peak 4	BNB	Ave	10887512	84681801	162749449	250900168	429083691	50.0	500	1000	1500	2500
PCB-1260 Peak 5	BNB	Ave	18113436	144115380	276360904	428745288	739043428	50.0	500	1000	1500	2500
PCB-1260 Peak 6	BNB	Ave	8499354	67204169	130895833	204960821	352803265	50.0	500	1000	1500	2500
PCB-1260 Peak 7	BNB	Ave	5960601	44578763	84824554	126768566	222352921	50.0	500	1000	1500	2500
PCB-1260 Peak 8	BNB	Ave	5988575	46674372	89824699	138158043	234466761	50.0	500	1000	1500	2500
Tetrachloro-m-xylene	BNB	Ave	30347867	121712420	232452088	396057695	537208471	12.5	50.0	100	150	200
DCB Decachlorobiphenyl	BNB	Ave	33668369	131326715	251179173	429271339	587905962	12.5	50.0	100	150	200

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 21-Dec-2023 10:43:02 ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:11:31

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49355200	20.0	20.0	M
2	1.227	1.227	0.000	46187507	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	21883422	12.5	11.3	M
2	1.830	1.829	0.001	30347867	12.5	12.0	
						RPD = 6.17	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	2188151	50.0	62.9	M
1	3.402	3.403	-0.001	4223694	50.0	64.3	M
1	3.947	3.947	0.000	9297948	50.0	62.6	M
1	4.112	4.111	0.001	4136964	50.0	64.0	M
1	4.237	4.238	-0.001	3282683	50.0	62.5	M
1	4.688	4.689	-0.001	2867020	50.0	61.0	M
1	4.837	4.838	-0.001	3410303	50.0	59.0	M
1	5.204	5.204	0.000	2365617	50.0	60.6	M
		Average of Peak Amounts =				62.1	
2	2.188	2.189	-0.001	3200491	50.0	67.1	
2	2.549	2.549	0.000	5524244	50.0	63.6	M
2	2.750	2.750	0.000	3539850	50.0	62.1	M
2	3.029	3.030	-0.001	10829358	50.0	59.8	M
2	3.176	3.176	0.000	4636036	50.0	60.9	M
2	3.242	3.242	0.000	2978735	50.0	60.1	M
2	3.633	3.633	0.000	4974778	50.0	61.7	M
2	4.062	4.062	0.000	2552839	50.0	61.6	M
		Average of Peak Amounts =				62.1	
						RPD = 0.02	
8 PCB-1260							M
1	6.107	6.108	-0.001	2605337	50.0	61.4	
1	6.346	6.346	0.000	6068344	50.0	61.1	M
1	6.677	6.679	-0.002	7083725	50.0	61.5	
1	7.454	7.455	-0.001	6376198	50.0	63.0	
1	8.017	8.015	0.002	6992854	50.0	61.2	
1	8.544	8.544	0.000	16375265	50.0	58.7	
1	9.348	9.350	-0.002	11796431	50.0	58.4	M
1	10.236	10.236	0.000	5687339	50.0	60.4	
		Average of Peak Amounts =				60.7	
2	5.026	5.026	0.000	6978450	50.0	61.9	
2	5.350	5.351	-0.001	12601178	50.0	60.2	
2	5.842	5.841	0.001	8244513	50.0	66.7	
2	6.167	6.166	0.001	10887512	50.0	60.7	
2	6.631	6.628	0.003	18113436	50.0	59.5	
2	7.069	7.072	-0.003	8499354	50.0	59.1	
2	7.223	7.219	0.004	5960601	50.0	63.3	
2	8.232	8.233	-0.001	5988575	50.0	60.7	
		Average of Peak Amounts =				61.5	
						RPD = 1.31	
$ 11 DCB Decachlorobiphenyl							M
1	10.857	10.856	0.001	29033415	12.5	11.6	M
2	9.240	9.242	-0.002	33668369	12.5	12.2	
						RPD = 4.99	
S 12 Polychlorinated biphenyls, Total							
1						122.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

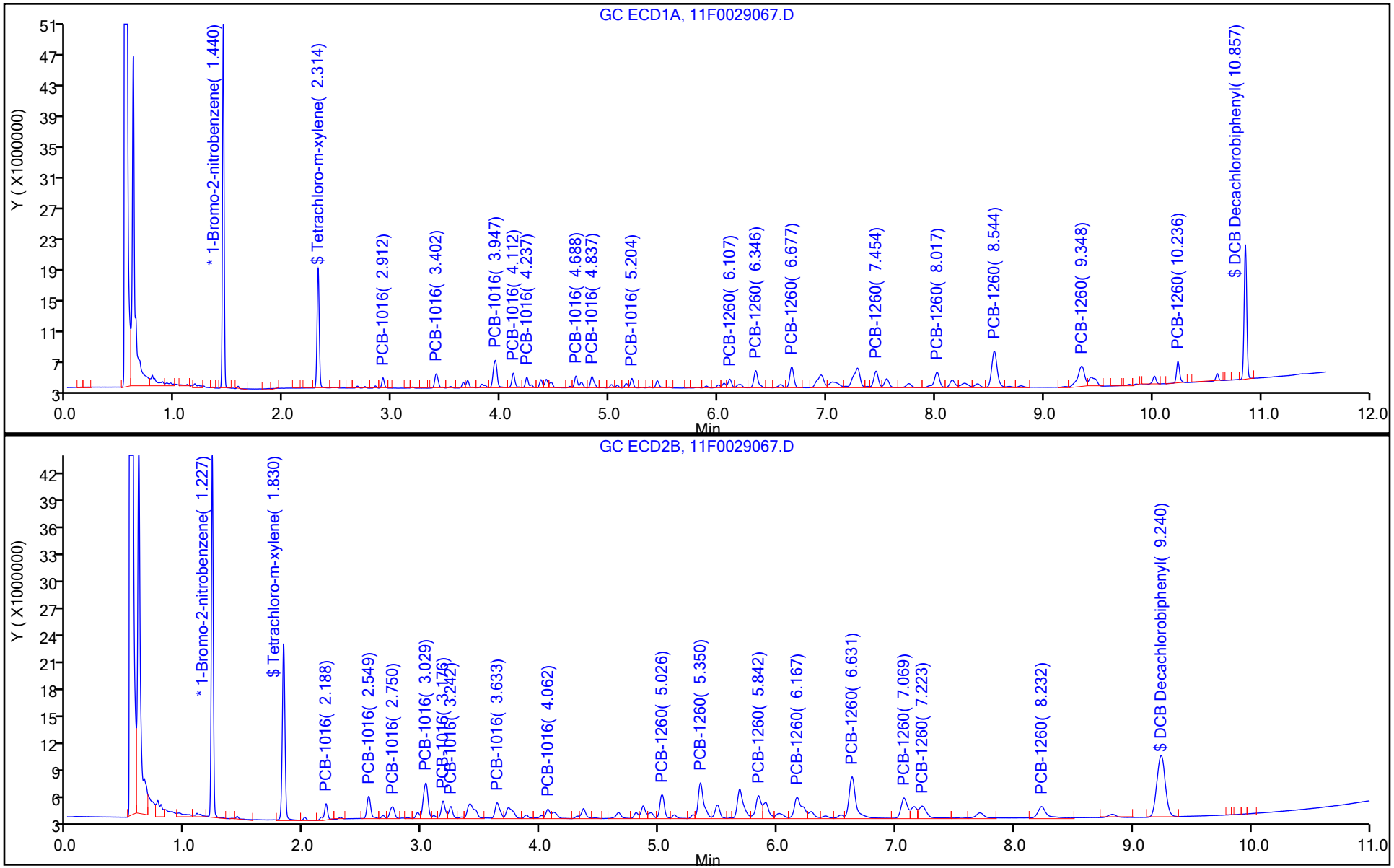
SG1660L1_00027	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D

Injection Date:	21-Dec-2023 10:43:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



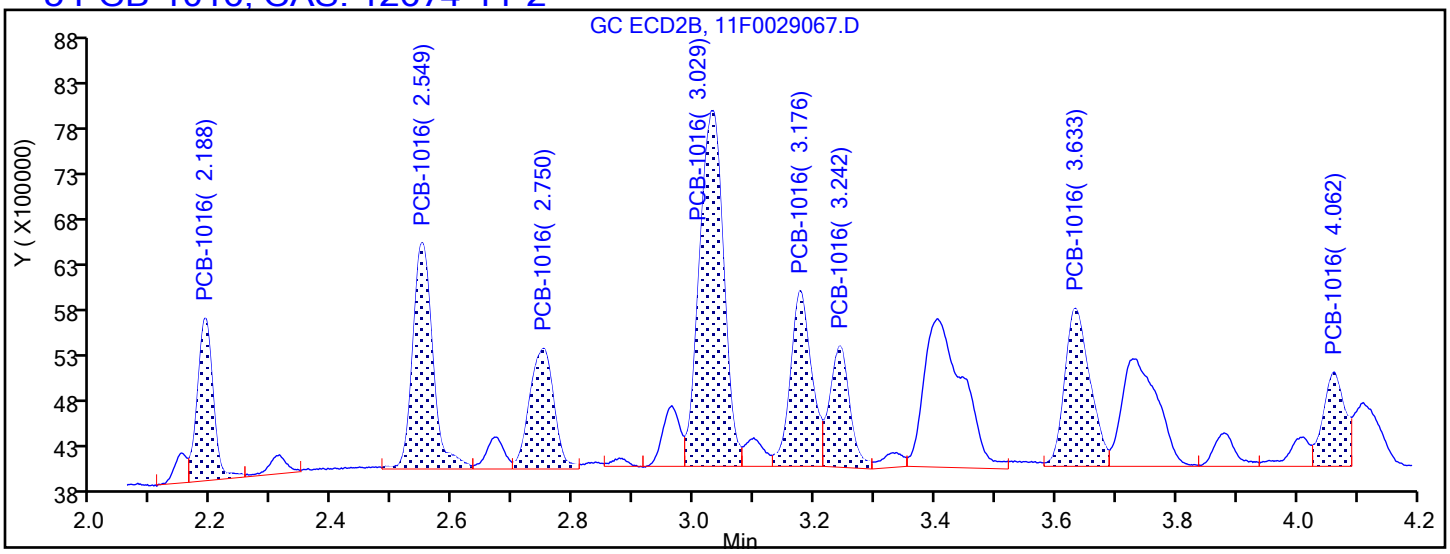
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:23:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

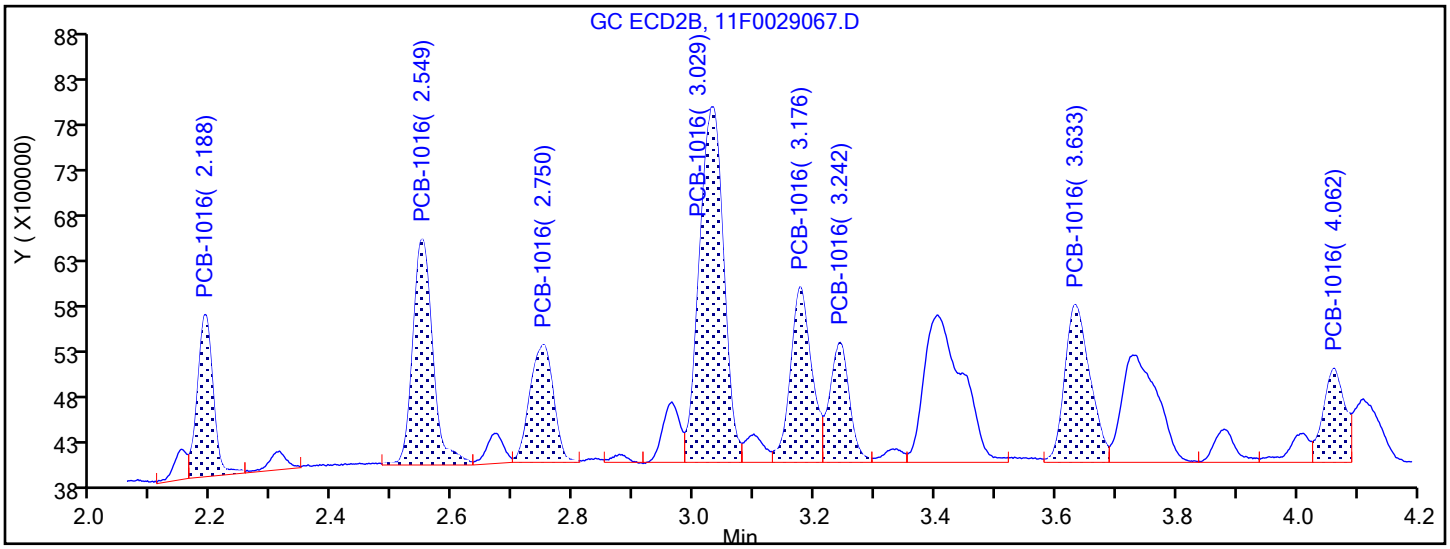
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029067.D
Injection Date: 21-Dec-2023 10:43:02 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 18 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.188	Response = 3200491
2.549	Response = 5579942
2.750	Response = 3585961
3.029	Response = 10873100
3.176	Response = 4685271
3.242	Response = 3033517
3.633	Response = 5060792
4.062	Response = 2575323



Manual Integration Results

2.188	Response = 3200491	
2.549	Response = 5524244	M
2.750	Response = 3539850	M
3.029	Response = 10829358	M
3.176	Response = 4636036	M
3.242	Response = 2978735	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 21-Dec-2023 10:59:42 ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info:
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:21 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:53

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	51725903	20.0	20.0	M
2	1.227	1.227	0.000	48079830	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	90034277	50.0	44.3	
2	1.830	1.829	0.001	121712420	50.0	46.3	M
						RPD = 4.30	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	16255093	500.0	445.9	
1	3.402	3.403	-0.001	31454328	500.0	457.0	M
1	3.946	3.947	-0.001	68510953	500.0	440.0	M
1	4.112	4.111	0.001	29919270	500.0	442.0	M
1	4.237	4.238	-0.001	24414583	500.0	443.4	M
1	4.690	4.689	0.001	22124788	500.0	448.9	
1	4.836	4.838	-0.002	27314829	500.0	450.8	
1	5.205	5.204	0.001	18495863	500.0	451.9	
		Average of Peak Amounts =				447.5	
2	2.189	2.189	0.000	22958293	500.0	462.3	M
2	2.549	2.549	0.000	41797934	500.0	462.1	M
2	2.750	2.750	0.000	27565911	500.0	464.8	M
2	3.031	3.030	0.001	85984303	500.0	456.2	M
2	3.176	3.176	0.000	36390520	500.0	458.9	M
2	3.243	3.242	0.001	23822245	500.0	462.1	M
2	3.634	3.633	0.001	38399439	500.0	457.6	M
2	4.061	4.062	-0.001	19899410	500.0	461.5	M
		Average of Peak Amounts =				460.7	
						RPD = 2.91	
8 PCB-1260							M
1	6.107	6.108	-0.001	20018197	500.0	450.0	M
1	6.346	6.346	0.000	46610282	500.0	447.8	M
1	6.676	6.679	-0.003	53611368	500.0	444.4	M
1	7.454	7.455	-0.001	46565417	500.0	438.8	M
1	8.014	8.015	-0.001	52959292	500.0	442.4	M
1	8.544	8.544	0.000	127650869	500.0	436.3	M
1	9.347	9.350	-0.003	94080806	500.0	444.2	M
1	10.237	10.236	0.001	43723017	500.0	443.2	
		Average of Peak Amounts =				443.4	
2	5.025	5.026	-0.001	53342244	500.0	454.2	M
2	5.350	5.351	-0.001	99307697	500.0	455.4	M
2	5.840	5.841	-0.001	57274670	500.0	444.9	M
2	6.166	6.166	0.000	84681801	500.0	453.7	M
2	6.629	6.628	0.001	144115380	500.0	455.0	M
2	7.070	7.072	-0.002	67204169	500.0	448.7	M
2	7.225	7.219	0.006	44578763	500.0	455.0	M
2	8.227	8.233	-0.006	46674372	500.0	454.7	
		Average of Peak Amounts =				452.7	
						RPD = 2.08	
$ 11 DCB Decachlorobiphenyl							M
1	10.856	10.856	0.000	115731873	50.0	44.3	M
2	9.240	9.242	-0.002	131326715	50.0	45.8	
						RPD = 3.50	
S 12 Polychlorinated biphenyls, Total							
1						890.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

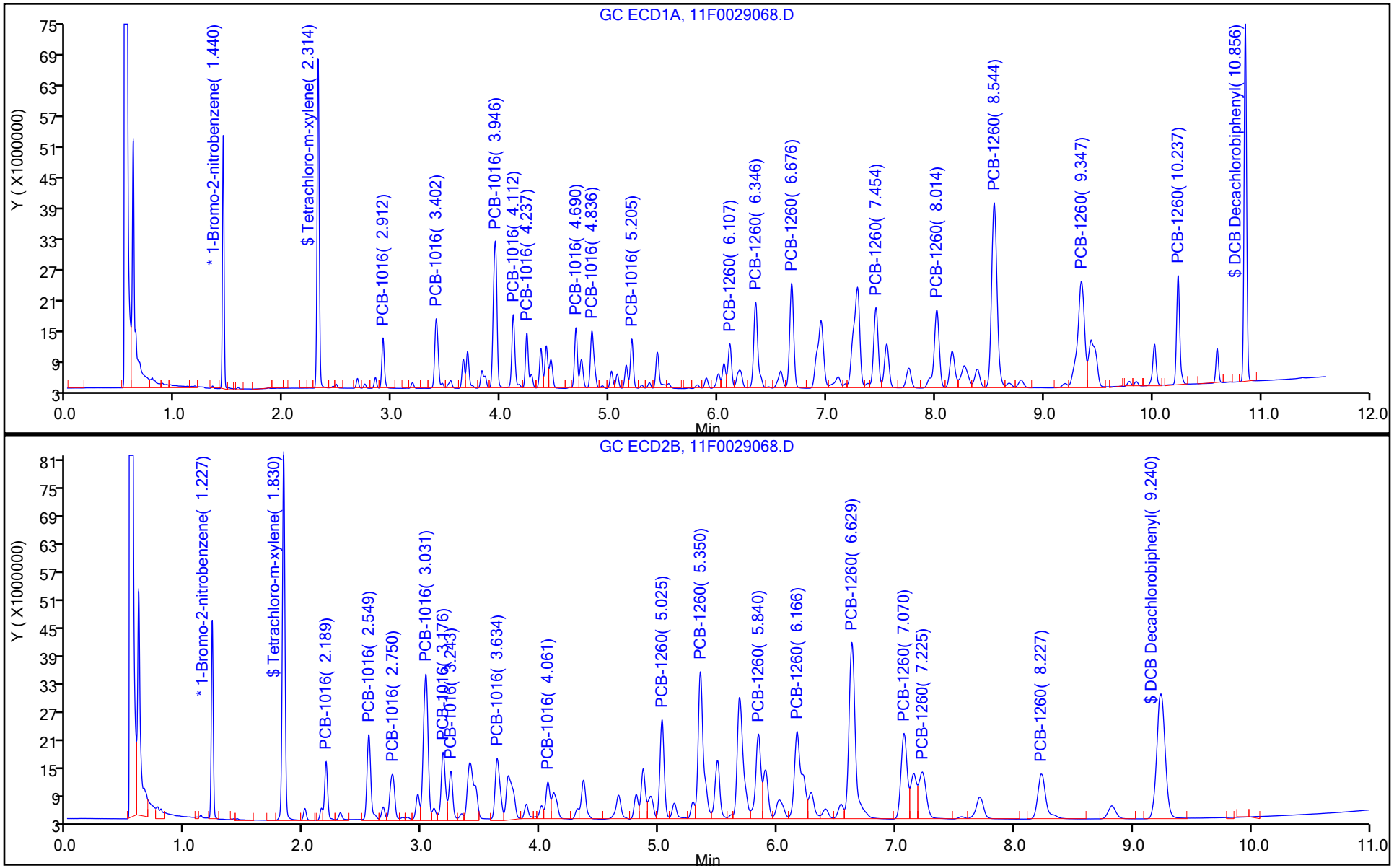
SG1660L2_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D

Injection Date:	21-Dec-2023 10:59:42	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	3
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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Manual Integration/User Assign Peak Report

Eurofins Edison

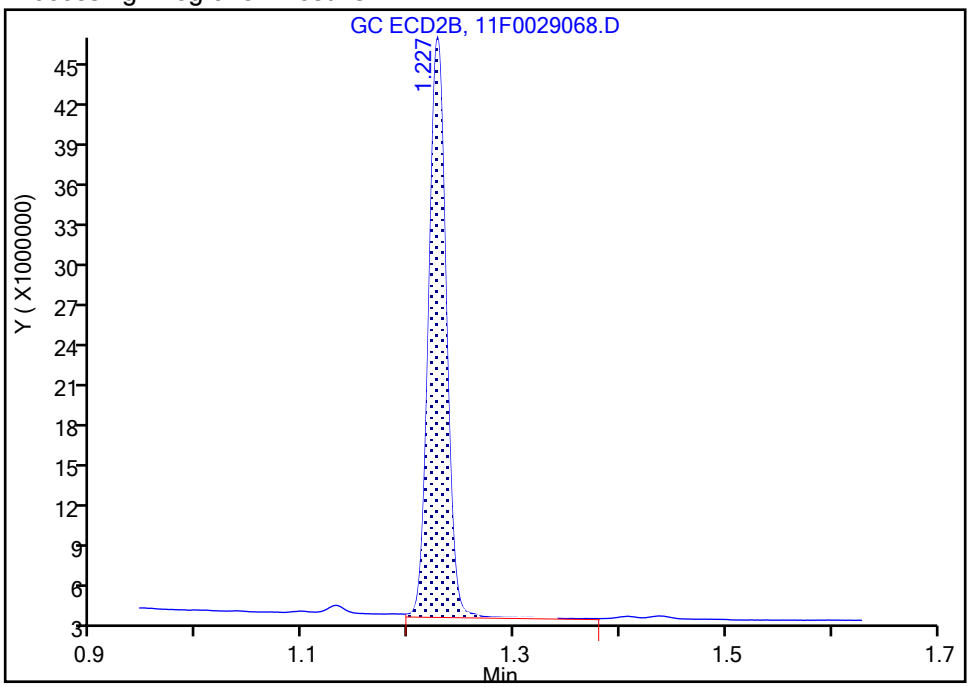
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

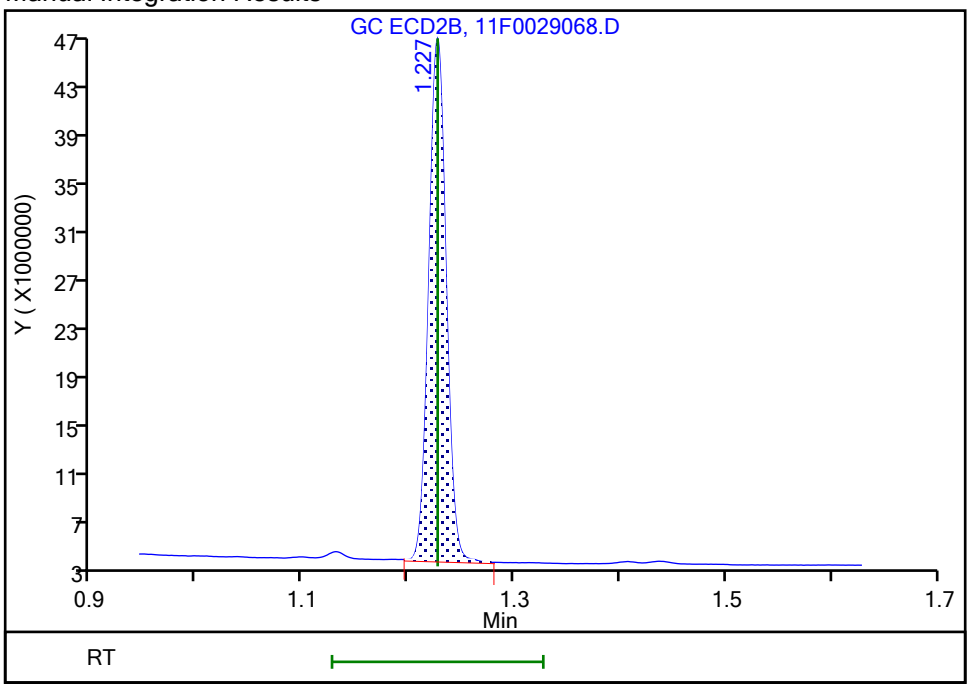
Processing Integration Results

RT: 1.23
Area: 48301212
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 48079830
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:38:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

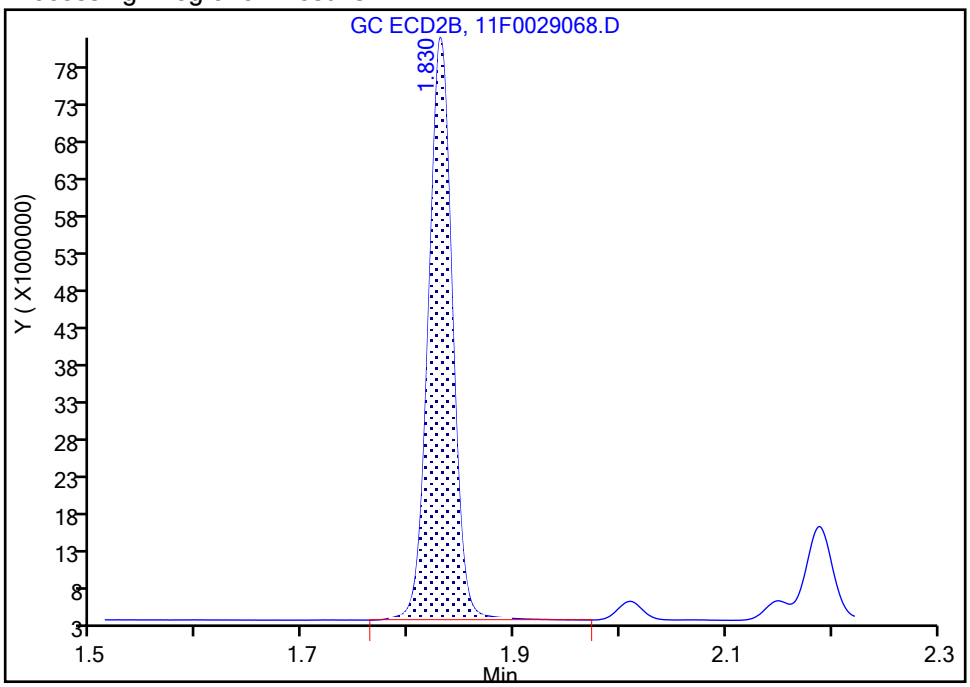
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

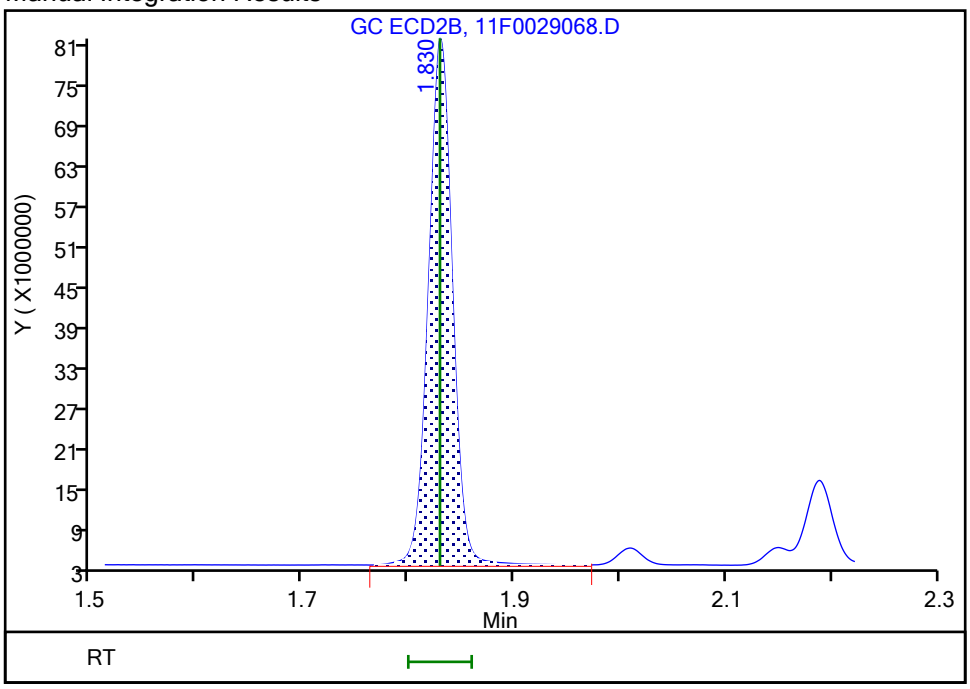
Processing Integration Results

RT: 1.83
Area: 121481090
Amount: 48.621501
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 121712420
Amount: 46.283432
Amount Units: ug/l



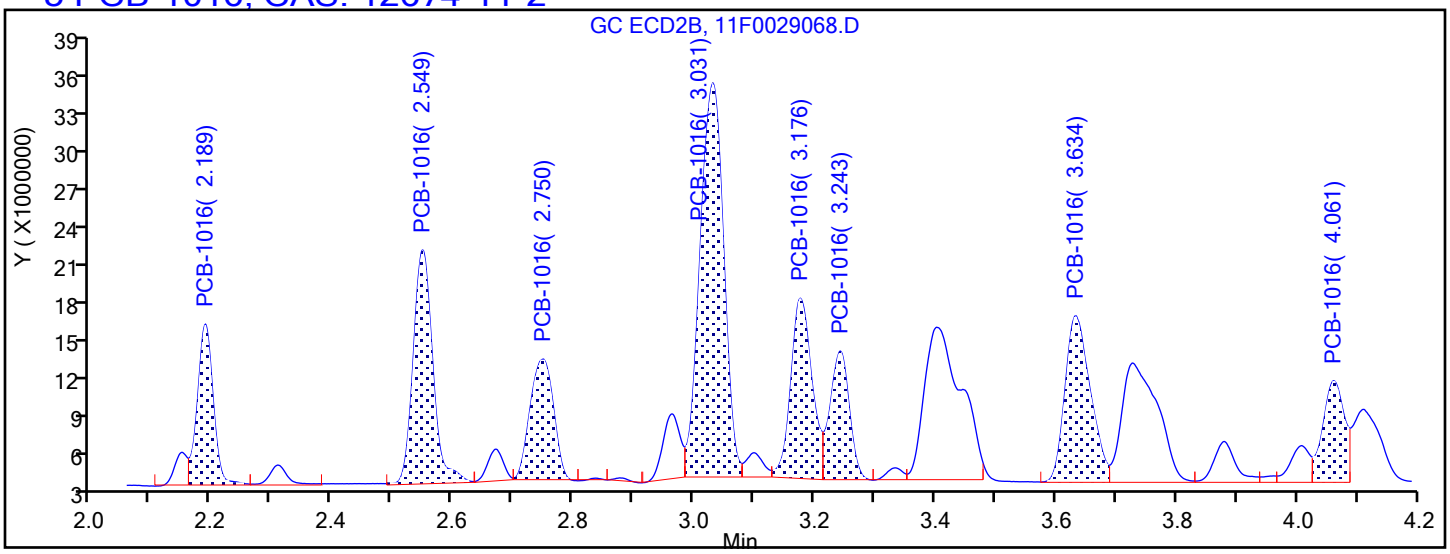
Reviewer: OR9X, 21-Dec-2023 11:37:34 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

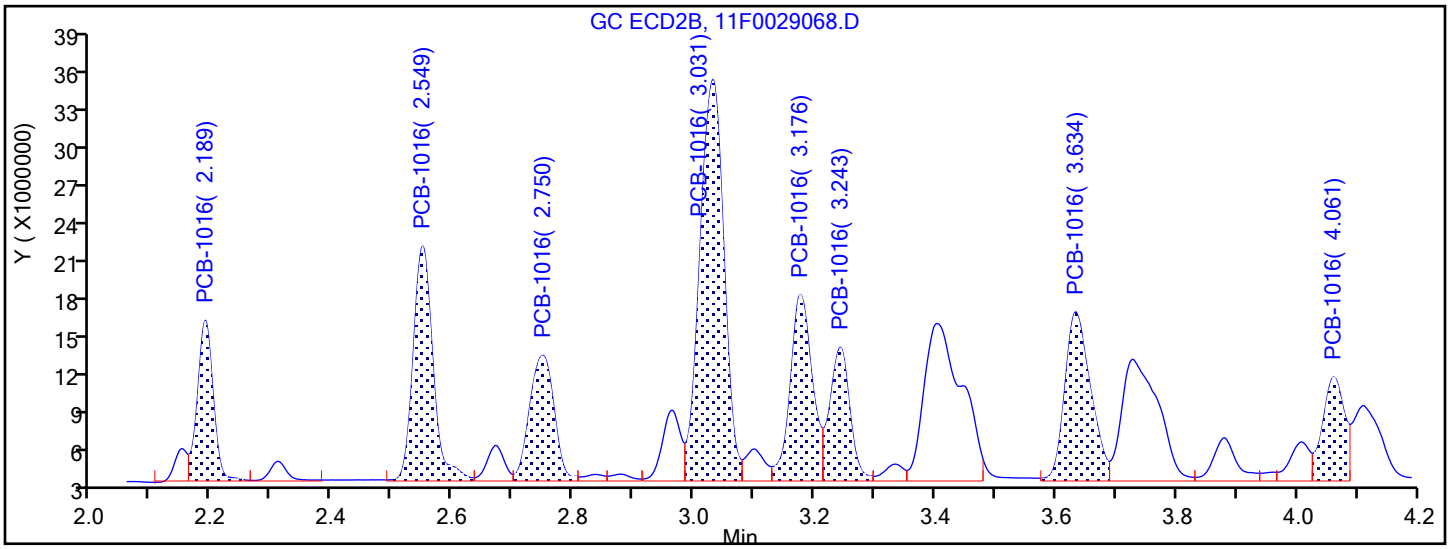
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 22698253
2.549	Response = 39956810
2.750	Response = 24995764
3.031	Response = 83003724
3.176	Response = 33930346
3.243	Response = 21811002
3.634	Response = 37345799
4.061	Response = 19600794



Manual Integration Results

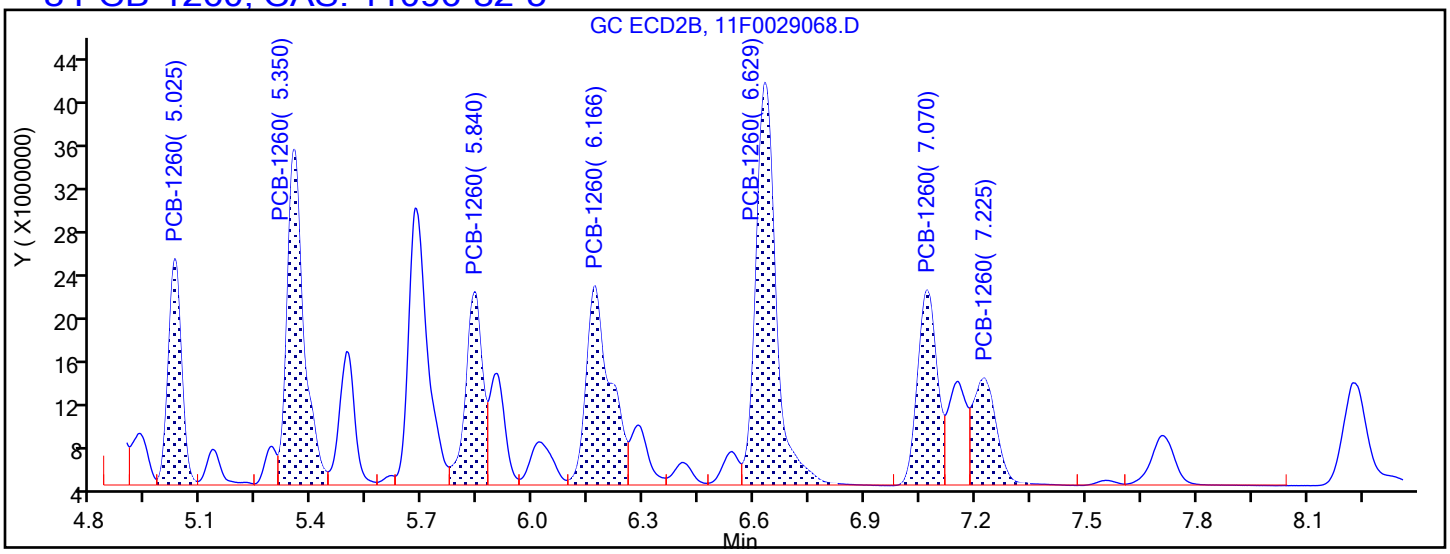
2.189	Response = 22958293	M
2.549	Response = 41797934	M
2.750	Response = 27565911	M
3.031	Response = 85984303	M
3.176	Response = 36390520	M
3.243	Response = 23822245	M

Report Date: 21-Dec-2023 14:23:22 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

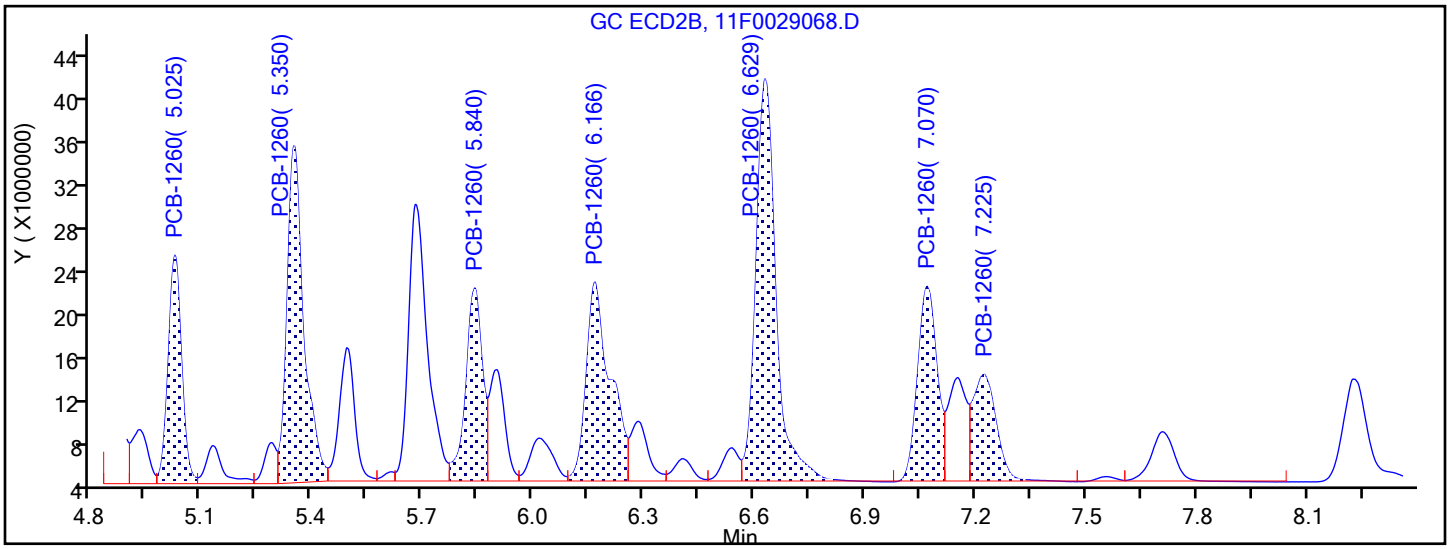
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029068.D
Injection Date: 21-Dec-2023 10:59:42 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 19 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 52484501
5.350	Response = 98127882
5.840	Response = 56361201
6.166	Response = 83320846
6.629	Response = 142503081
7.070	Response = 67006470
7.225	Response = 44102046
8.227	Response = 46674372



Manual Integration Results

5.025	Response = 53342244	M
5.350	Response = 99307697	M
5.840	Response = 57274670	M
6.166	Response = 84681801	M
6.629	Response = 144115380	M
7.070	Response = 67204169	M

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Lims ID: IC PCB
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 21-Dec-2023 11:16:24 ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-004
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:29 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:35:41

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	46922711	20.0	20.0	
2	1.227	1.227	0.000	44138313	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	178455651	100.0	96.9	
2	1.829	1.829	0.000	232452088	100.0	96.3	M
						RPD = 0.60	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	30989753	1000.0	937.0	
1	3.403	3.403	0.000	56549644	1000.0	905.7	M
1	3.947	3.947	0.000	132034521	1000.0	934.8	M
1	4.111	4.111	0.000	57209078	1000.0	931.6	M
1	4.238	4.238	0.000	46733399	1000.0	935.6	M
1	4.689	4.689	0.000	42162642	1000.0	943.0	M
1	4.838	4.838	0.000	52500353	1000.0	955.2	M
1	5.204	5.204	0.000	35192510	1000.0	947.8	M
		Average of Peak Amounts =				936.3	
2	2.189	2.189	0.000	41884896	1000.0	918.7	
2	2.549	2.549	0.000	77726856	1000.0	936.1	M
2	2.750	2.750	0.000	51159884	1000.0	939.7	M
2	3.030	3.030	0.000	164994010	1000.0	953.5	M
2	3.176	3.176	0.000	69128119	1000.0	949.5	M
2	3.242	3.242	0.000	44994626	1000.0	950.7	M
2	3.633	3.633	0.000	72723528	1000.0	944.1	M
2	4.062	4.062	0.000	37635743	1000.0	950.8	M
		Average of Peak Amounts =				942.9	
						RPD = 0.70	
8 PCB-1260							M
1	6.108	6.108	0.000	38331023	1000.0	949.8	M
1	6.346	6.346	0.000	89510822	1000.0	948.0	M
1	6.679	6.679	0.000	103945376	1000.0	949.9	M
1	7.455	7.455	0.000	91808566	1000.0	953.6	M
1	8.015	8.015	0.000	103608632	1000.0	954.1	M
1	8.544	8.544	0.000	257193492	1000.0	969.1	M
1	9.350	9.350	0.000	187146008	1000.0	974.0	M
1	10.236	10.236	0.000	85469226	1000.0	955.0	
		Average of Peak Amounts =				956.7	
2	5.026	5.026	0.000	101848674	1000.0	944.7	M
2	5.351	5.351	0.000	189924625	1000.0	948.8	M
2	5.841	5.841	0.000	108924962	1000.0	921.6	M
2	6.166	6.166	0.000	162749449	1000.0	949.9	M
2	6.628	6.628	0.000	276360904	1000.0	950.4	M
2	7.072	7.072	0.000	130895833	1000.0	952.0	
2	7.219	7.219	0.000	84824554	1000.0	943.1	
2	8.233	8.233	0.000	89824699	1000.0	953.2	
		Average of Peak Amounts =				945.5	
						RPD = 1.18	
$ 11 DCB Decachlorobiphenyl							
1	10.856	10.856	0.000	226288336	100.0	95.4	
2	9.242	9.242	0.000	251179173	100.0	95.5	
						RPD = 0.10	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

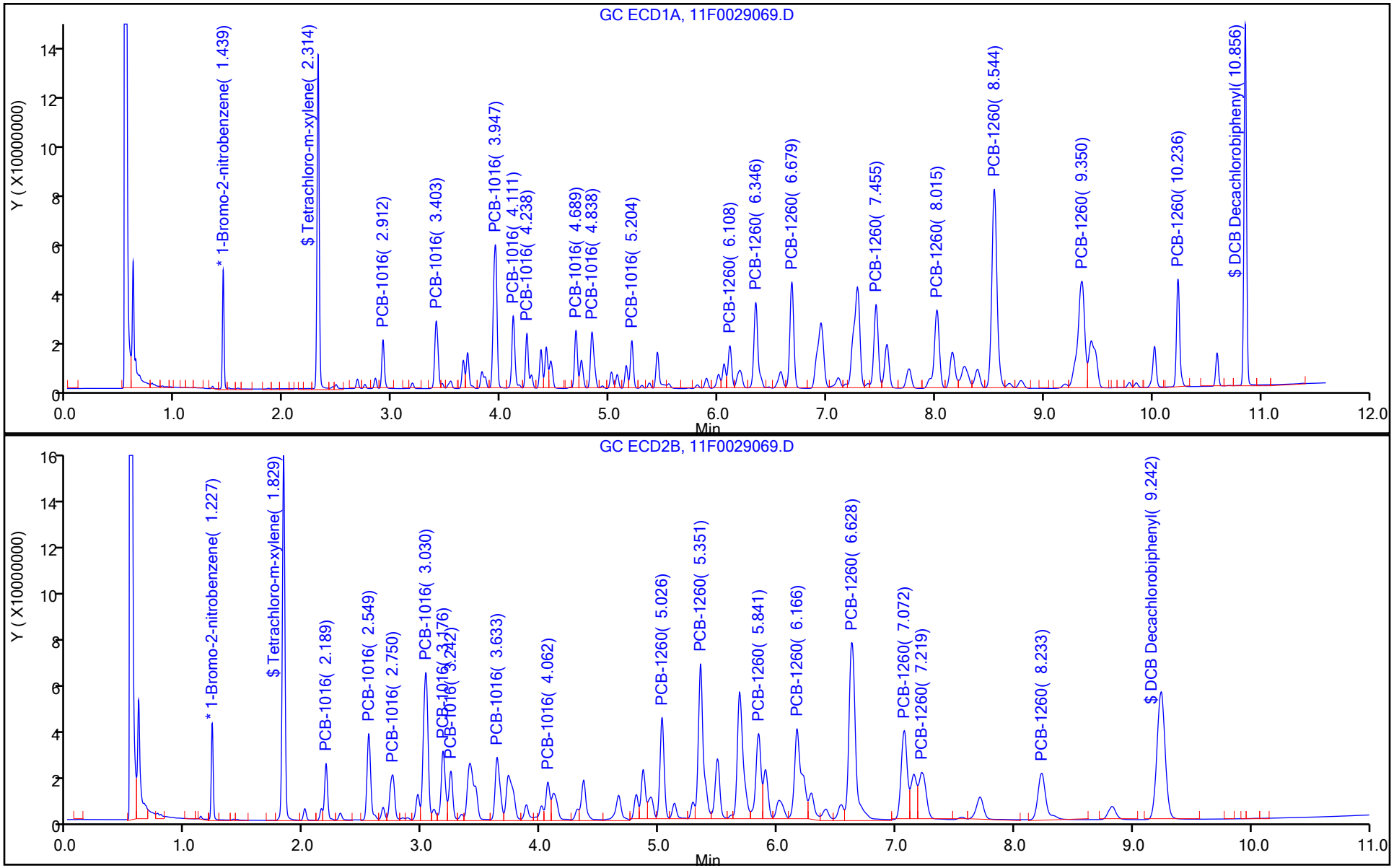
SG1260ResPCB_00002	Amount Added:	1.00	Units: mL	
SG1660L3_00043	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D

Injection Date:	21-Dec-2023 11:16:24	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

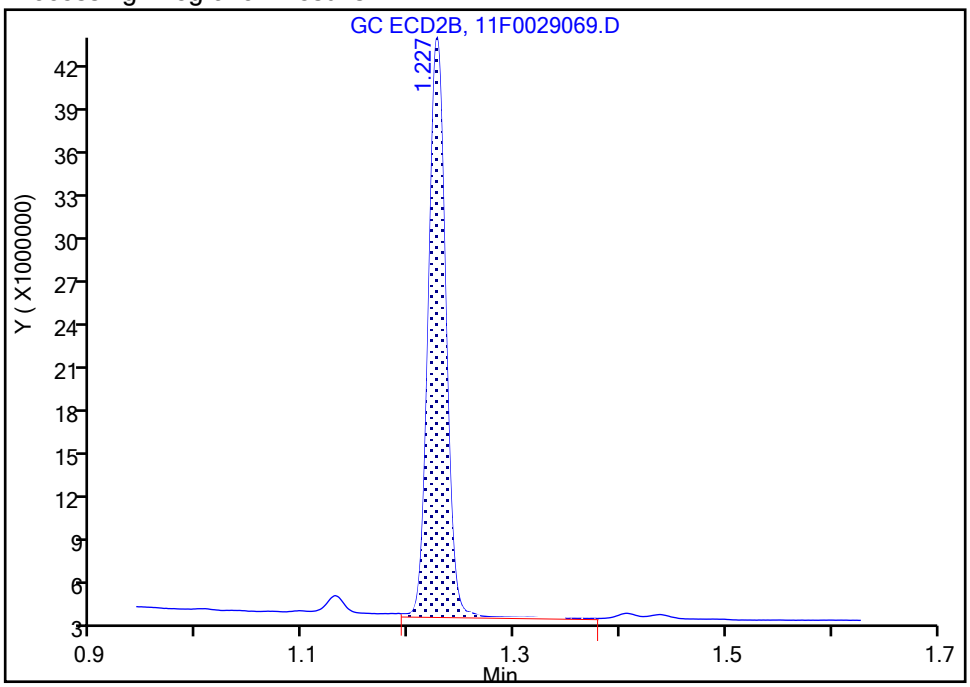
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

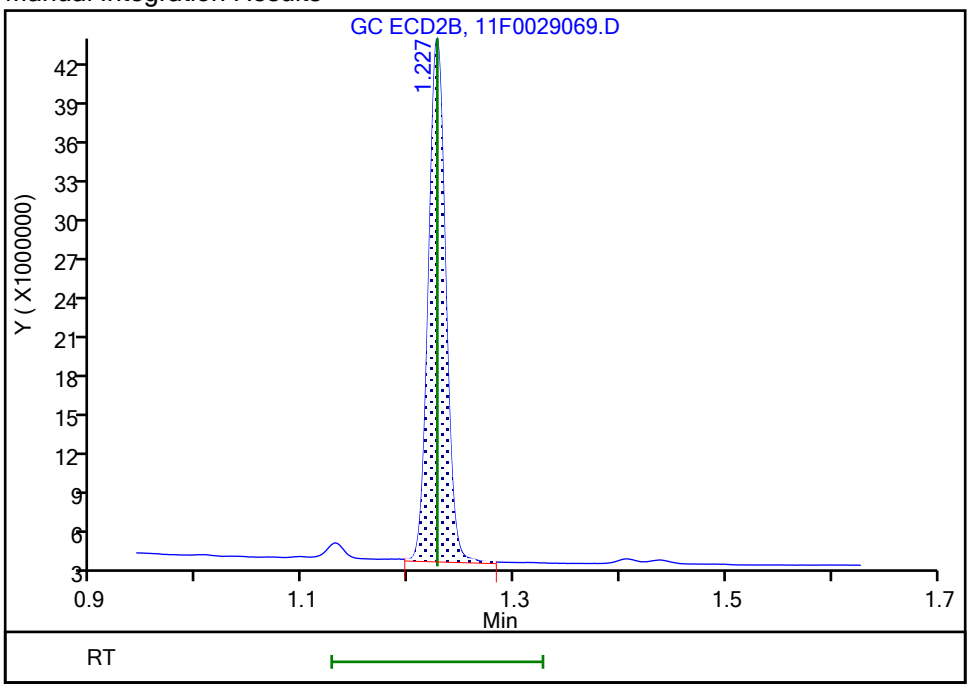
Processing Integration Results

RT: 1.23
Area: 44307664
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44138313
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:38:42 -05:00:00 (UTC)
Audit Action: Split an Integrated Peak Audit Reason: Sample matrix interference

Eurofins Edison

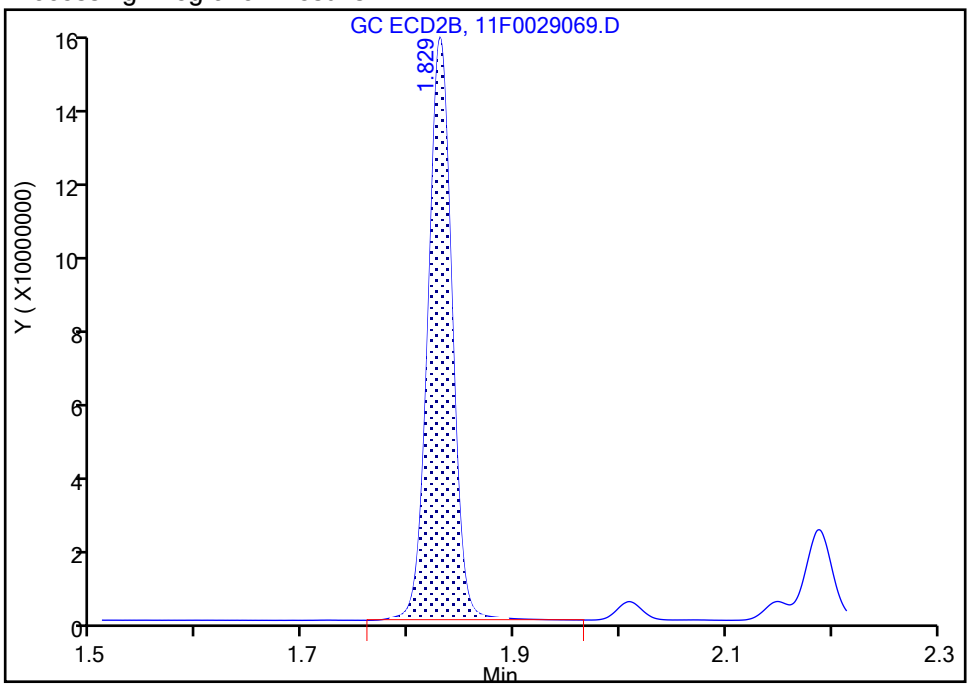
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

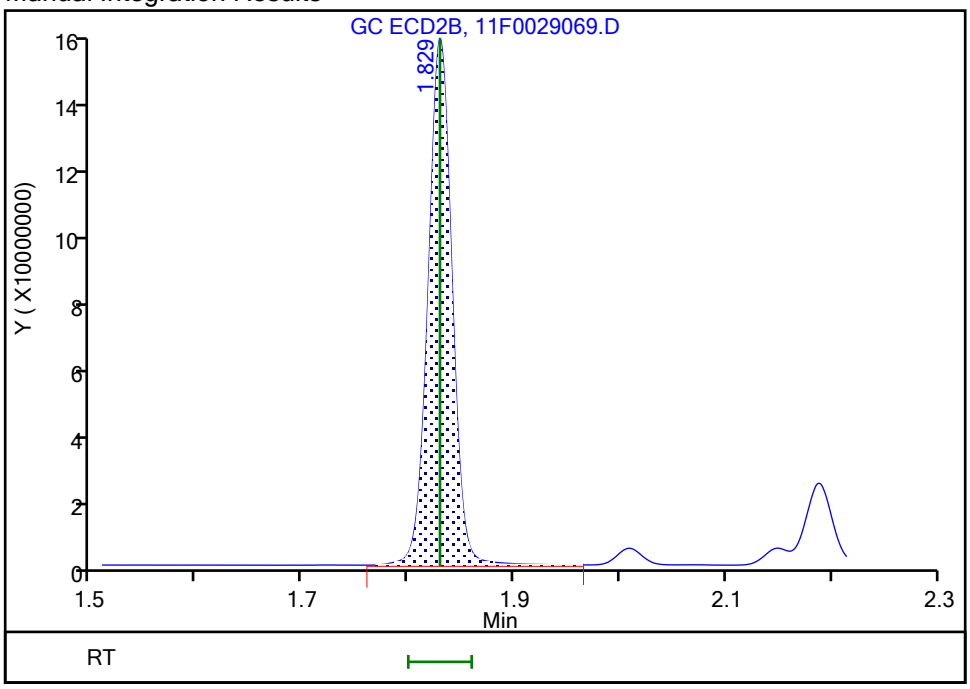
Processing Integration Results

RT: 1.83
Area: 231803017
Amount: 100.9256
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 232452088
Amount: 96.287809
Amount Units: ug/l



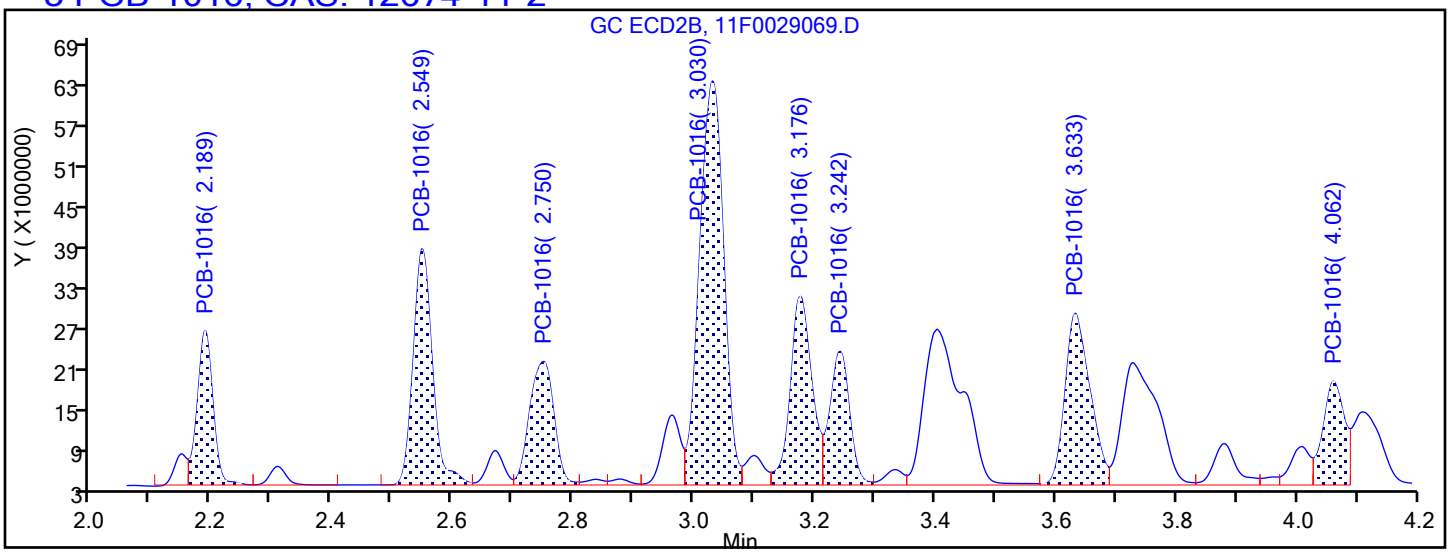
Reviewer: OR9X, 21-Dec-2023 11:38:31 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:30 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

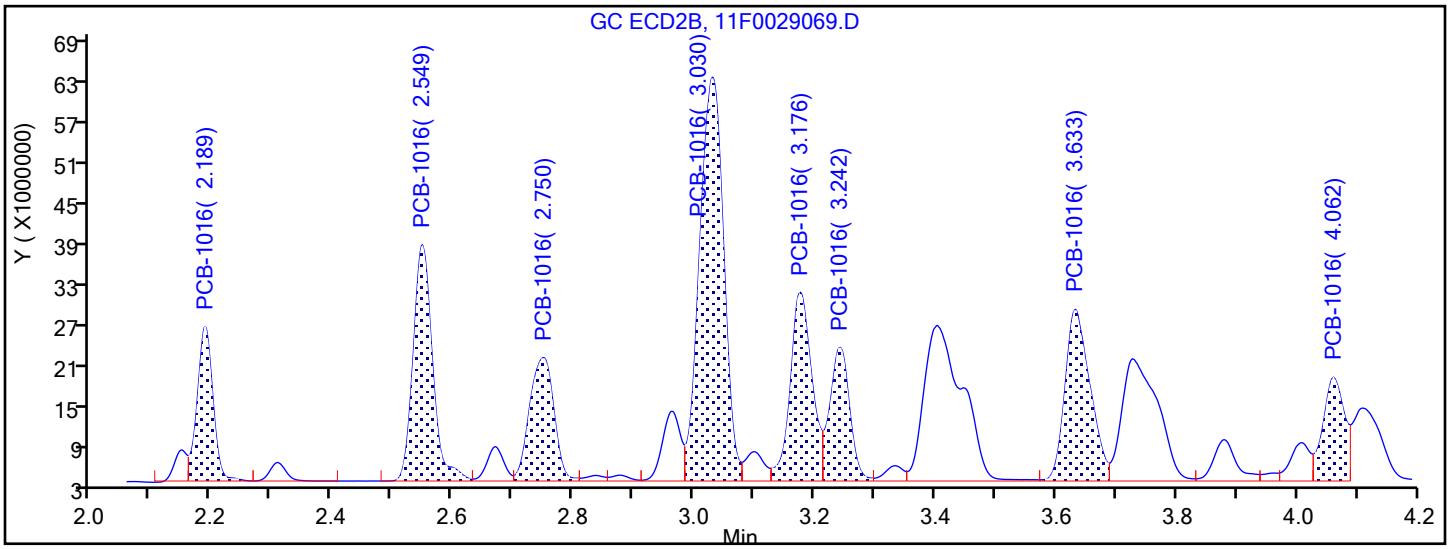
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 41884896
2.549	Response = 77266191
2.750	Response = 50696458
3.030	Response = 164514161
3.176	Response = 68674540
3.242	Response = 44543835
3.633	Response = 72050289
4.062	Response = 37226087



Manual Integration Results

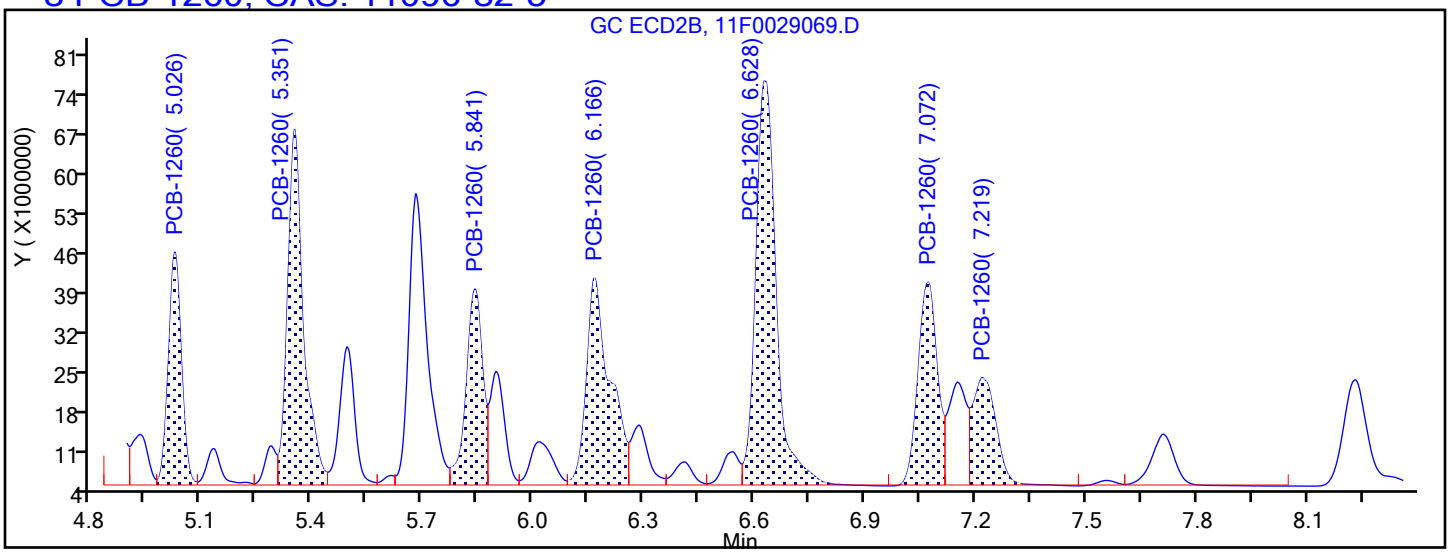
2.189	Response = 41884896	
2.549	Response = 77726856	M
2.750	Response = 51159884	M
3.030	Response = 164994010	M
3.176	Response = 69128119	M
3.242	Response = 44994626	M

Report Date: 21-Dec-2023 14:23:31 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

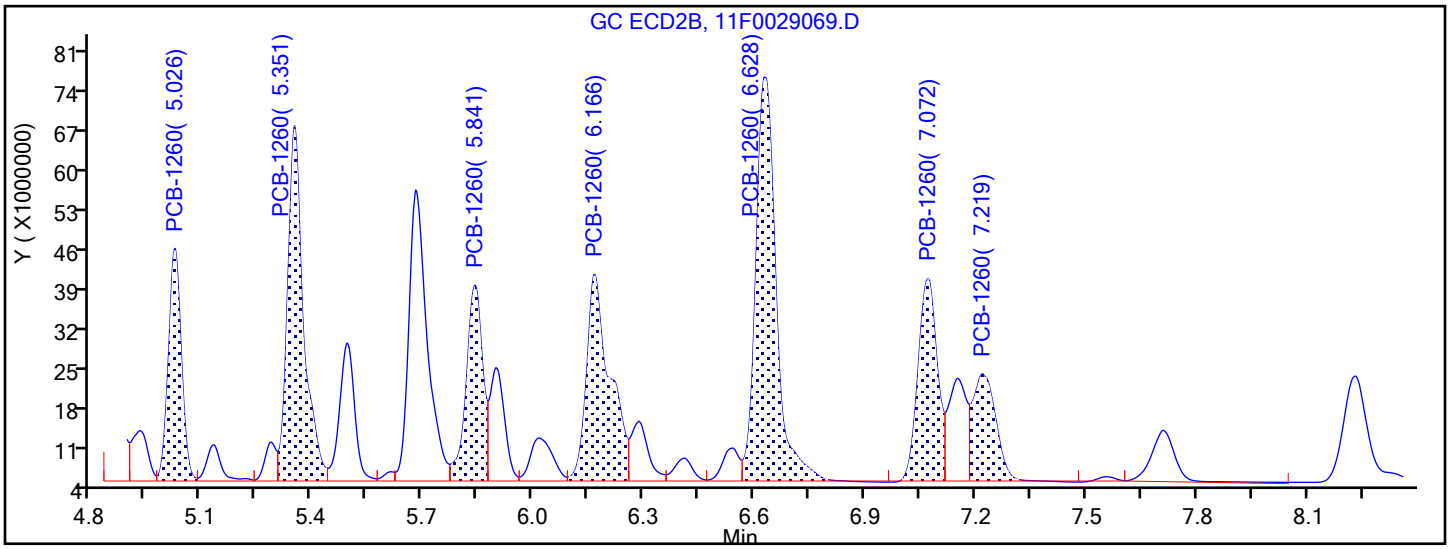
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029069.D
Injection Date: 21-Dec-2023 11:16:24 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 20 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.026	Response = 100554826
5.351	Response = 188054513
5.841	Response = 107446830
6.166	Response = 160482639
6.628	Response = 274059817
7.072	Response = 130895833
7.219	Response = 84824554
8.233	Response = 89824699



Manual Integration Results

5.026	Response = 101848674	M
5.351	Response = 189924625	M
5.841	Response = 108924962	M
6.166	Response = 162749449	M
6.628	Response = 276360904	M
7.072	Response = 130895833	

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 21-Dec-2023 11:33:05 ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-005
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:38 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 11:51:09

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	49213391	20.0	20.0	
2	1.227	1.227	0.000	46173697	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	313322798	150.0	162.2	
2	1.831	1.829	0.002	396057695	150.0	156.8	M
						RPD = 3.35	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.911	2.912	-0.001	48489847	1500.0	1397.9	
1	3.402	3.403	-0.001	92838479	1500.0	1417.8	M
1	3.946	3.947	-0.001	206808218	1500.0	1396.1	M
1	4.111	4.111	0.000	88653253	1500.0	1376.4	M
1	4.236	4.238	-0.002	72982607	1500.0	1393.1	M
1	4.689	4.689	0.000	65744755	1500.0	1402.0	M
1	4.837	4.838	-0.001	81717890	1500.0	1417.6	M
1	5.204	5.204	0.000	54277213	1500.0	1393.7	M
		Average of Peak Amounts =				1399.3	
2	2.189	2.189	0.000	64815260	1500.0	1358.9	M
2	2.550	2.549	0.001	119318735	1500.0	1373.7	M
2	2.749	2.750	-0.001	78998953	1500.0	1387.1	M
2	3.031	3.030	0.001	255716405	1500.0	1412.6	M
2	3.176	3.176	0.000	107163148	1500.0	1407.0	M
2	3.241	3.242	-0.001	69329168	1500.0	1400.3	M
2	3.634	3.633	0.001	112339722	1500.0	1394.1	M
2	4.061	4.062	-0.001	57289261	1500.0	1383.6	M
		Average of Peak Amounts =				1389.7	
						RPD = 0.69	
8 PCB-1260							M
1	6.108	6.108	0.000	58932415	1500.0	1392.3	M
1	6.346	6.346	0.000	137986133	1500.0	1393.4	M
1	6.678	6.679	-0.001	160244020	1500.0	1396.2	M
1	7.453	7.455	-0.002	140806902	1500.0	1394.5	M
1	8.014	8.015	-0.001	159252426	1500.0	1398.2	M
1	8.542	8.544	-0.002	399954742	1500.0	1436.9	M
1	9.348	9.350	-0.002	288247525	1500.0	1430.4	M
1	10.235	10.236	-0.001	132597851	1500.0	1412.7	
		Average of Peak Amounts =				1406.8	
2	5.025	5.026	-0.001	157238116	1500.0	1394.2	M
2	5.349	5.351	-0.002	295202221	1500.0	1409.7	M
2	5.839	5.841	-0.002	167948393	1500.0	1358.3	M
2	6.166	6.166	0.000	250900168	1500.0	1399.9	M
2	6.631	6.628	0.003	428745288	1500.0	1409.4	M
2	7.070	7.072	-0.002	204960821	1500.0	1424.9	
2	7.223	7.219	0.004	126768566	1500.0	1347.3	
2	8.231	8.233	-0.002	138158043	1500.0	1401.5	
		Average of Peak Amounts =				1393.2	
						RPD = 0.97	
$ 11 DCB Decachlorobiphenyl							
1	10.854	10.856	-0.002	397495474	150.0	159.8	
2	9.240	9.242	-0.002	429271339	150.0	156.0	
						RPD = 2.38	
S 12 Polychlorinated biphenyls, Total							
1						2806.1	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

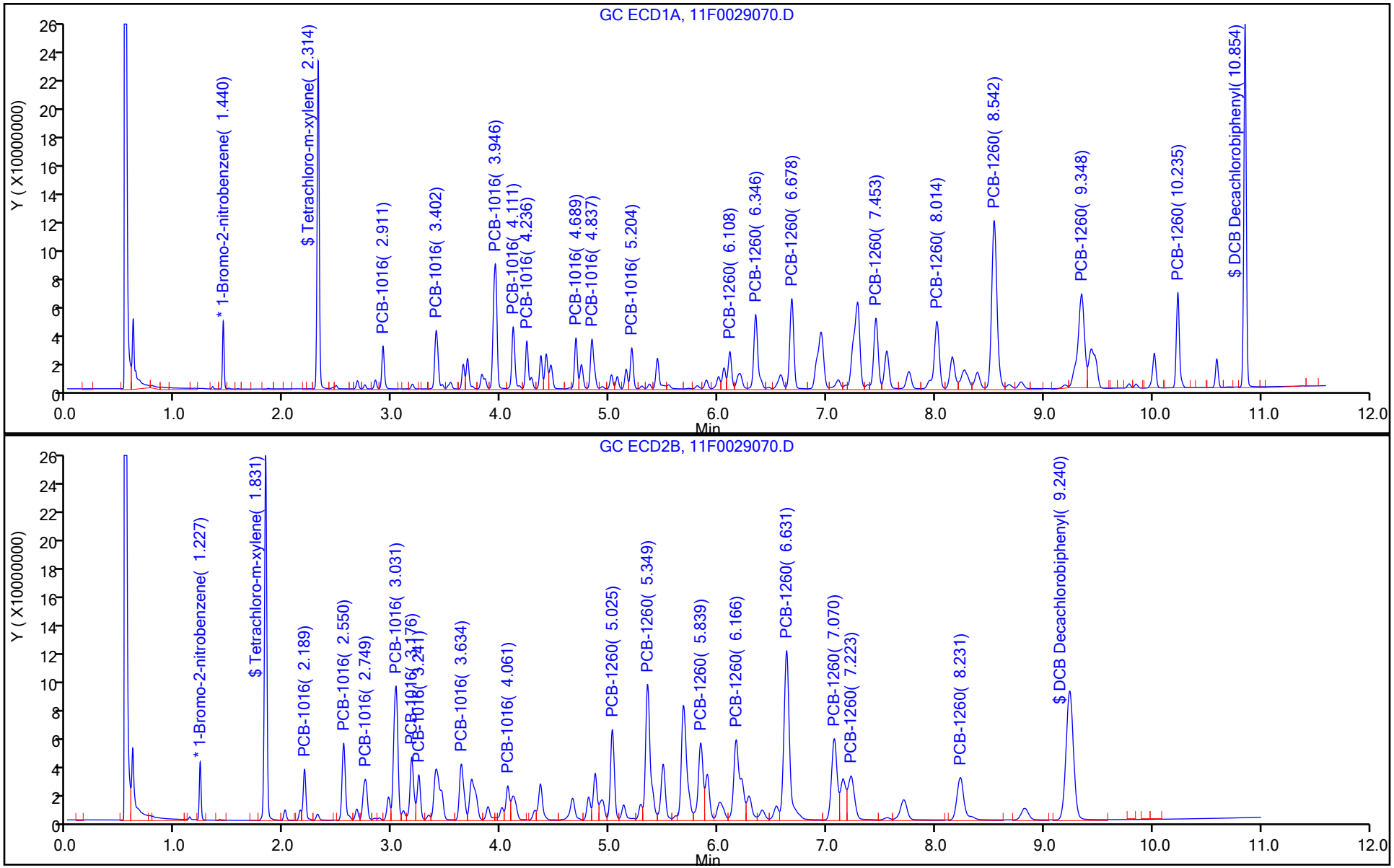
SG1660L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:38 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D

Injection Date:	21-Dec-2023 11:33:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

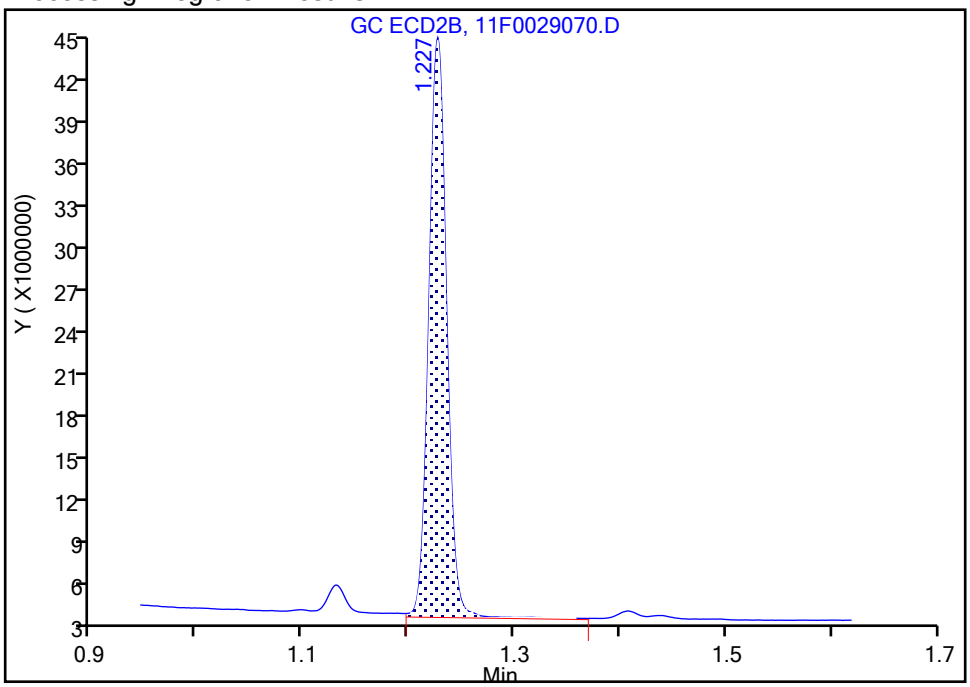
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

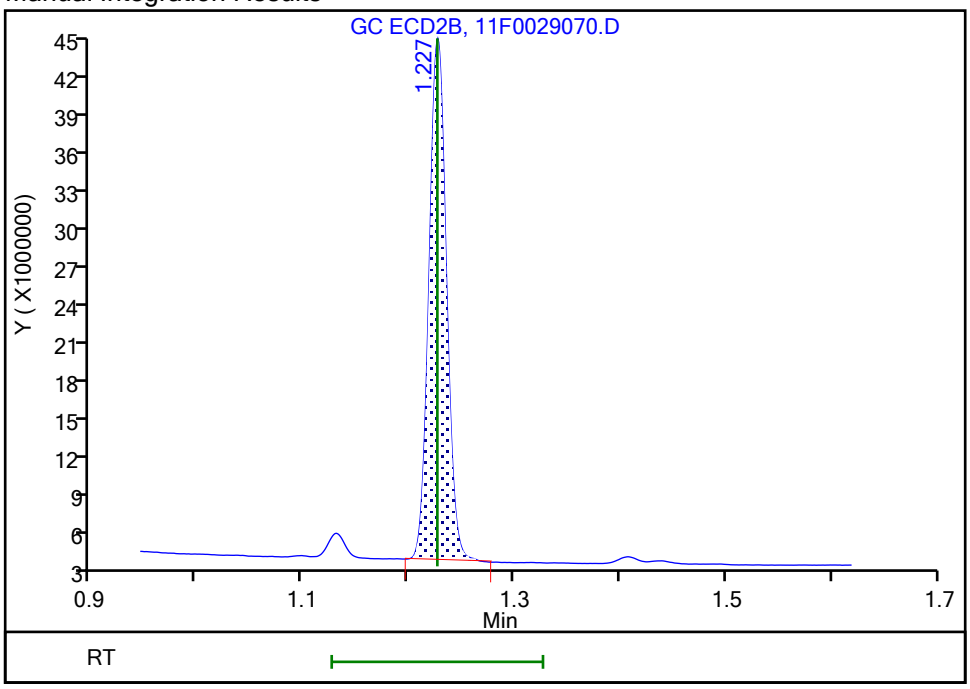
Processing Integration Results

RT: 1.23
Area: 47324850
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 46173697
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 11:51:02 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

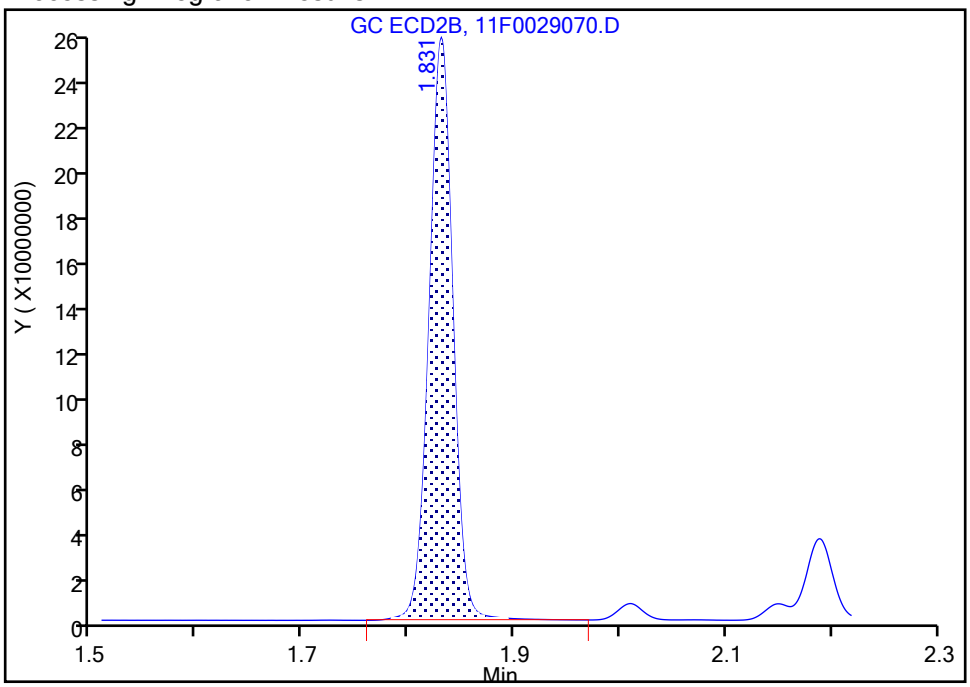
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

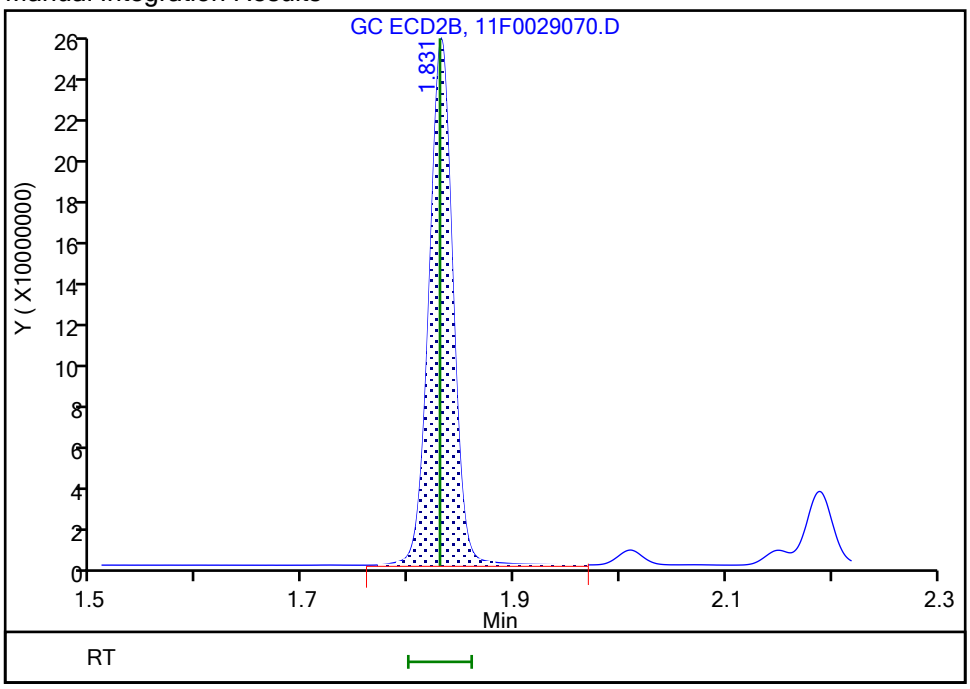
Processing Integration Results

RT: 1.83
Area: 395250363
Amount: 157.9268
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 396057695
Amount: 156.8258
Amount Units: ug/l



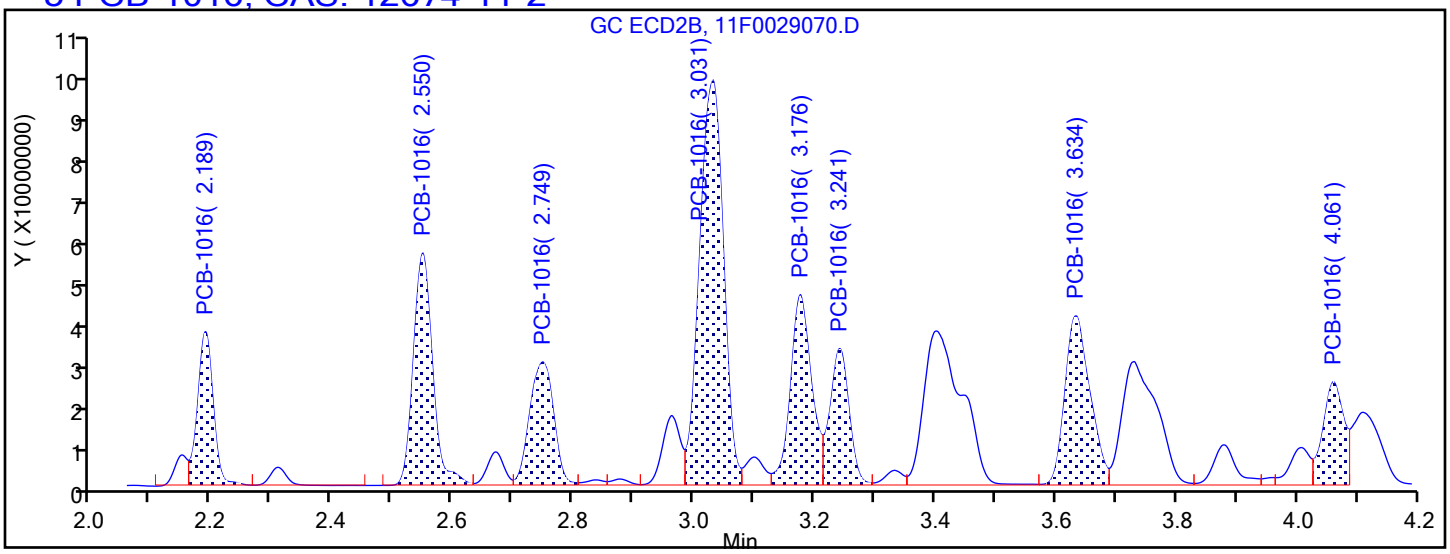
Reviewer: OR9X, 21-Dec-2023 11:50:52 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:39 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

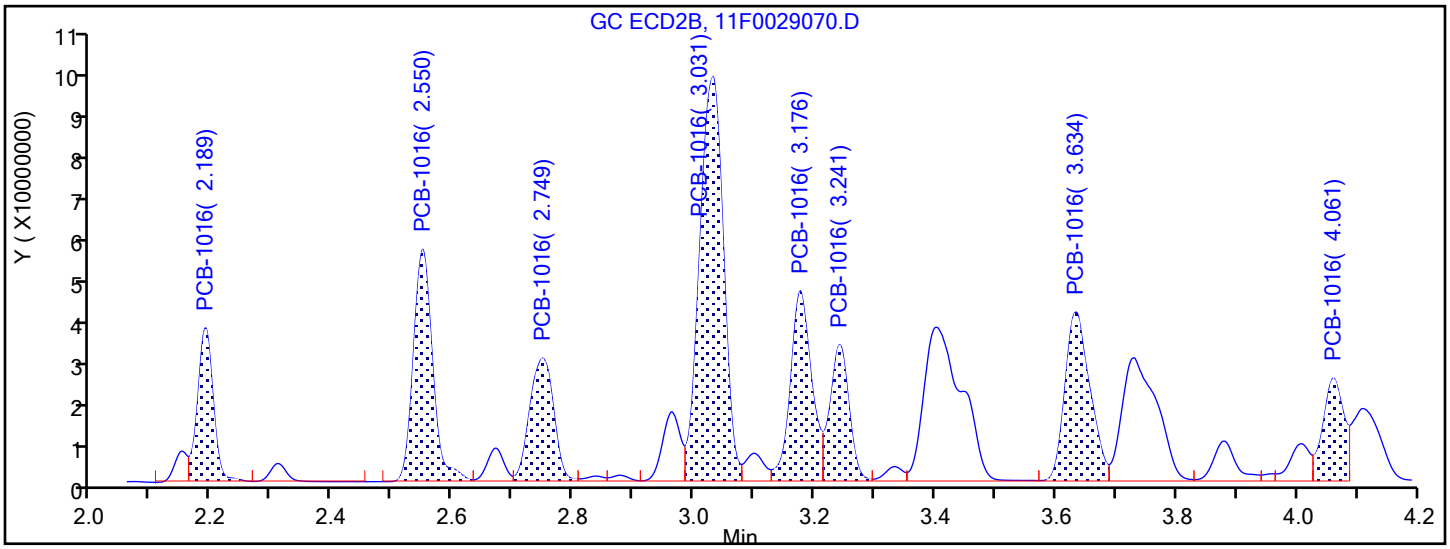
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.189	Response = 64027298
2.550	Response = 117786386
2.749	Response = 77506449
3.031	Response = 254556132
3.176	Response = 106125083
3.241	Response = 68359309
3.634	Response = 111019574
4.061	Response = 56529850



Manual Integration Results

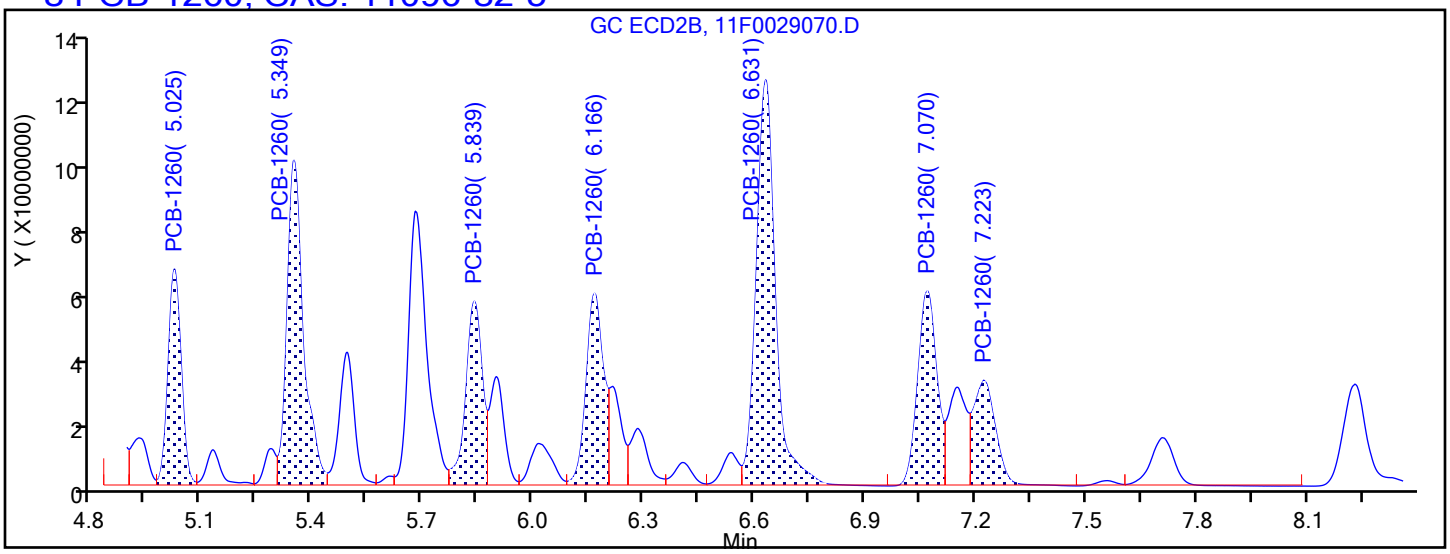
2.189	Response = 64815260	M
2.550	Response = 119318735	M
2.749	Response = 78998953	M
3.031	Response = 255716405	M
3.176	Response = 107163148	M
3.241	Response = 69329168	M

Report Date: 21-Dec-2023 14:23:39 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

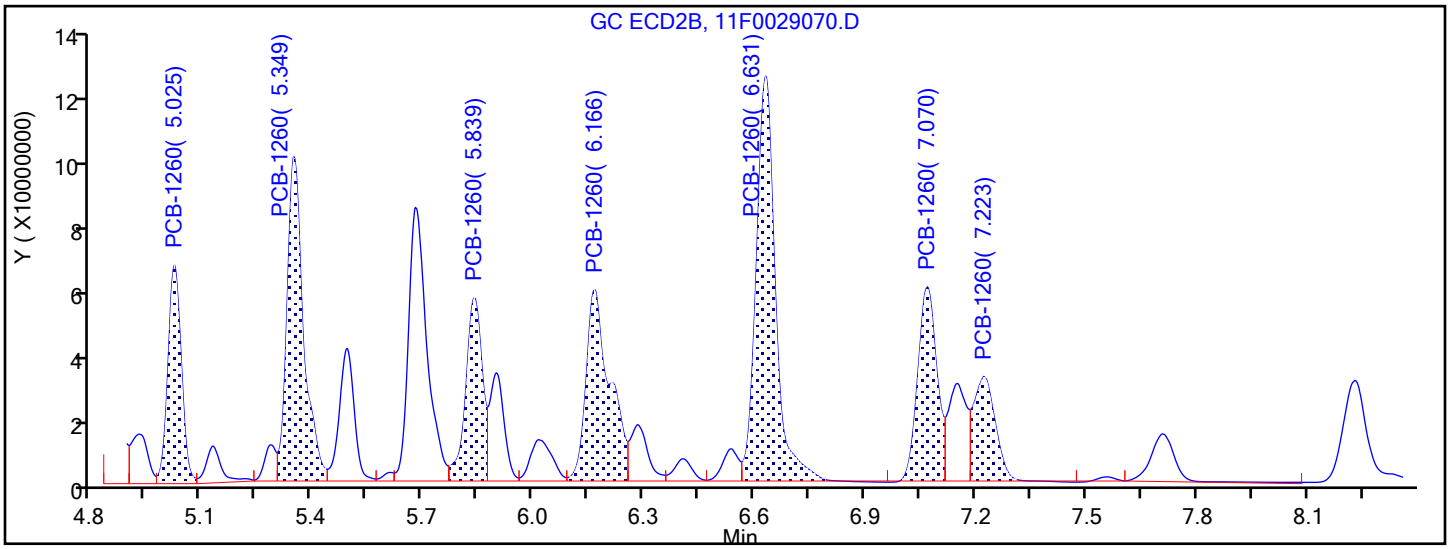
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029070.D
Injection Date: 21-Dec-2023 11:33:05 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 21 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 154491138
5.349	Response = 290337018
5.839	Response = 163979626
6.166	Response = 180130481
6.631	Response = 424230956
7.070	Response = 204960821
7.223	Response = 126768566
8.231	Response = 138158043



Manual Integration Results

5.025	Response = 157238116	M
5.349	Response = 295202221	M
5.839	Response = 167948393	M
6.166	Response = 250900168	M
6.631	Response = 428745288	M
7.070	Response = 204960821	

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Lims ID: IC PCB
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 21-Dec-2023 11:49:49 ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-006
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:46 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:54:02

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.439	0.001	47065532	20.0	20.0	
2	1.227	1.227	0.000	44447285	20.0	20.0	M
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							M
1	2.314	2.314	0.000	428675139	200.0	232.0	M
2	1.830	1.829	0.001	537208471	200.0	221.0	M
						RPD = 4.86	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.912	2.912	0.000	81383757	2500.0	2453.3	M
1	3.403	3.403	0.000	148529605	2500.0	2371.8	M
1	3.945	3.947	-0.002	355157973	2500.0	2506.9	M
1	4.112	4.111	0.001	151849646	2500.0	2465.1	M
1	4.237	4.238	-0.001	125187388	2500.0	2498.6	M
1	4.689	4.689	0.000	112720699	2500.0	2513.4	M
1	4.837	4.838	-0.001	140349801	2500.0	2545.8	M
1	5.204	5.204	0.000	93849072	2500.0	2519.8	M
		Average of Peak Amounts =				2484.3	
2	2.188	2.189	-0.001	104352362	2500.0	2272.9	M
2	2.548	2.549	-0.001	199021915	2500.0	2380.3	M
2	2.748	2.750	-0.002	132030879	2500.0	2408.2	M
2	3.030	3.030	0.000	434027187	2500.0	2490.8	M
2	3.177	3.176	0.001	179208520	2500.0	2444.4	M
2	3.240	3.242	-0.002	117812356	2500.0	2471.9	M
2	3.633	3.633	0.000	189417239	2500.0	2442.0	M
2	4.062	4.062	0.000	96767755	2500.0	2427.7	M
		Average of Peak Amounts =				2417.3	
						RPD = 2.74	
8 PCB-1260							M
1	6.108	6.108	0.000	100646473	2500.0	2486.3	M
1	6.347	6.346	0.001	238068015	2500.0	2513.7	M
1	6.678	6.679	-0.001	274300092	2500.0	2499.0	M
1	7.453	7.455	-0.002	236550765	2500.0	2449.6	M
1	8.017	8.015	0.002	273597625	2500.0	2511.7	M
1	8.544	8.544	0.000	683564638	2500.0	2567.8	M
1	9.346	9.350	-0.004	489848240	2500.0	2541.7	
1	10.233	10.236	-0.003	226327114	2500.0	2521.3	
		Average of Peak Amounts =				2511.4	
2	5.025	5.026	-0.001	266073473	2500.0	2450.8	M
2	5.349	5.351	-0.002	502608175	2500.0	2493.4	M
2	5.840	5.841	-0.001	282681716	2500.0	2375.0	M
2	6.164	6.166	-0.002	429083691	2500.0	2487.0	M
2	6.630	6.628	0.002	739043428	2500.0	2523.8	M
2	7.071	7.072	-0.001	352803265	2500.0	2548.0	M
2	7.223	7.219	0.004	222352921	2500.0	2455.0	M
2	8.233	8.233	0.000	234466761	2500.0	2470.9	
		Average of Peak Amounts =				2475.5	
						RPD = 1.44	
$ 11 DCB Decachlorobiphenyl							
1	10.853	10.856	-0.003	554329071	200.0	233.0	
2	9.238	9.242	-0.004	587905962	200.0	222.0	
						RPD = 4.84	
S 12 Polychlorinated biphenyls, Total							
1						4995.7	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

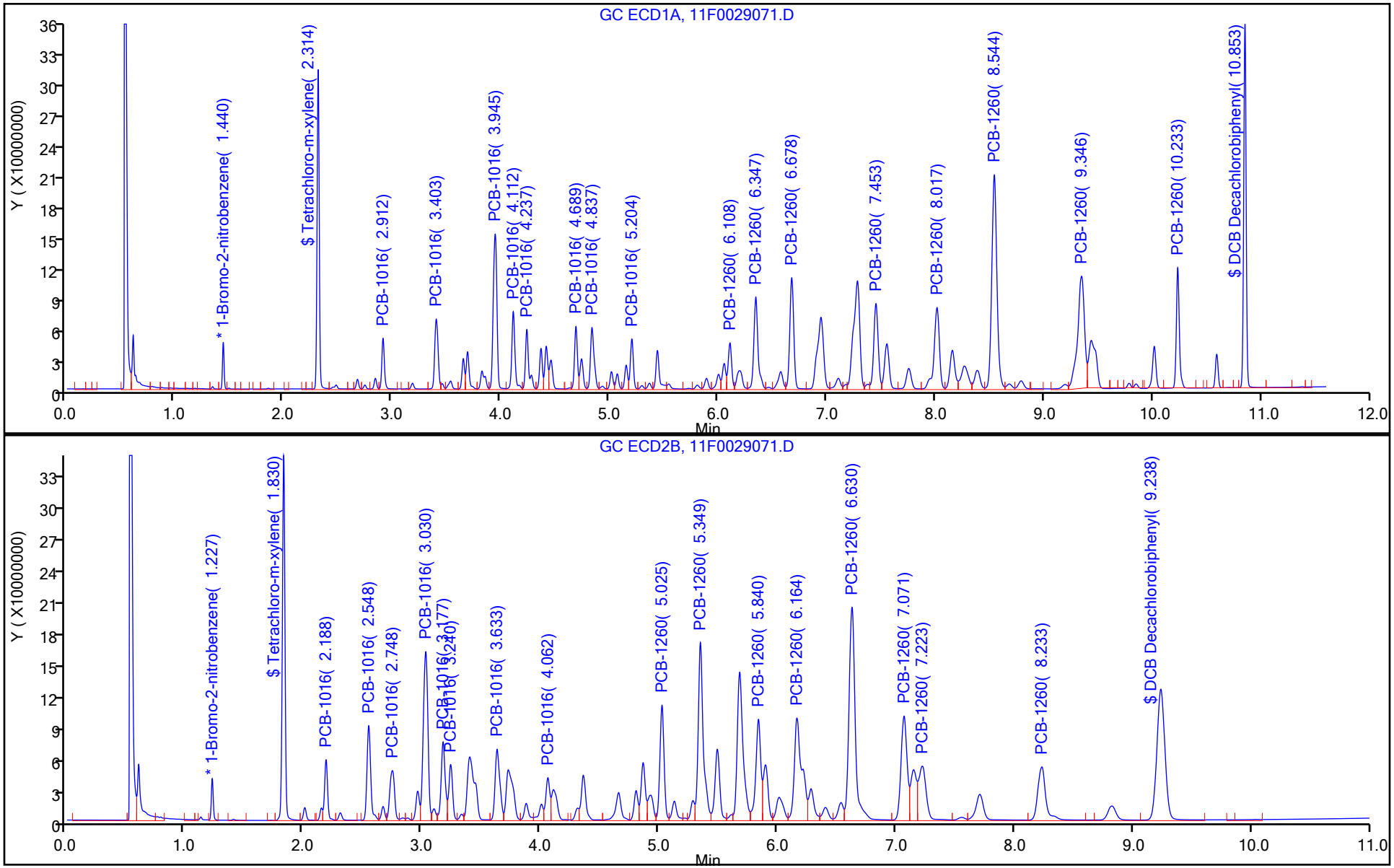
SG1660L5_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D

Injection Date:	21-Dec-2023 11:49:49	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC PCB			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

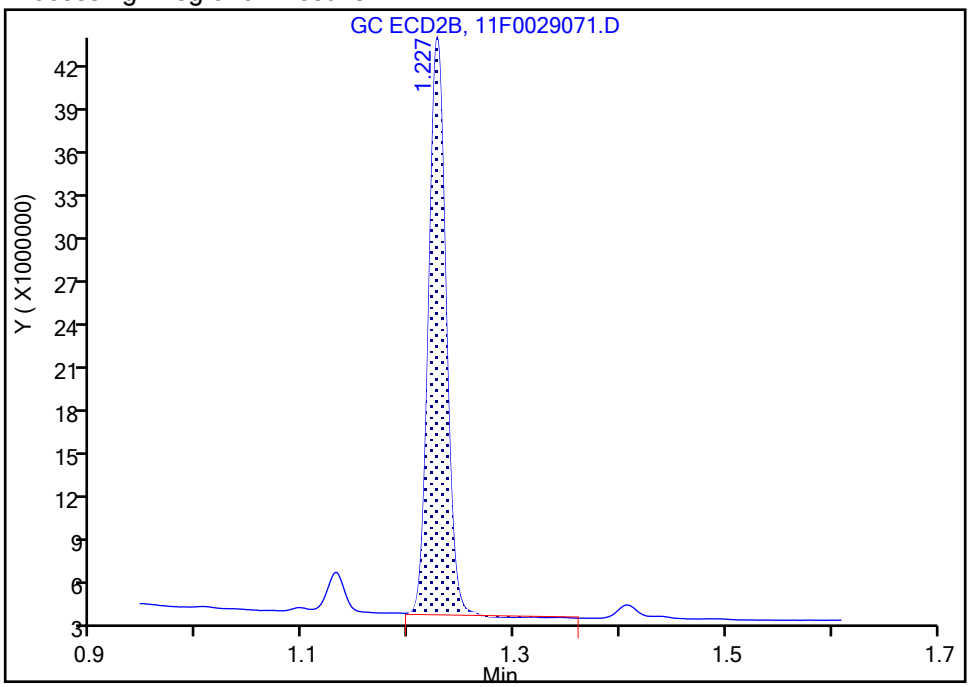
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

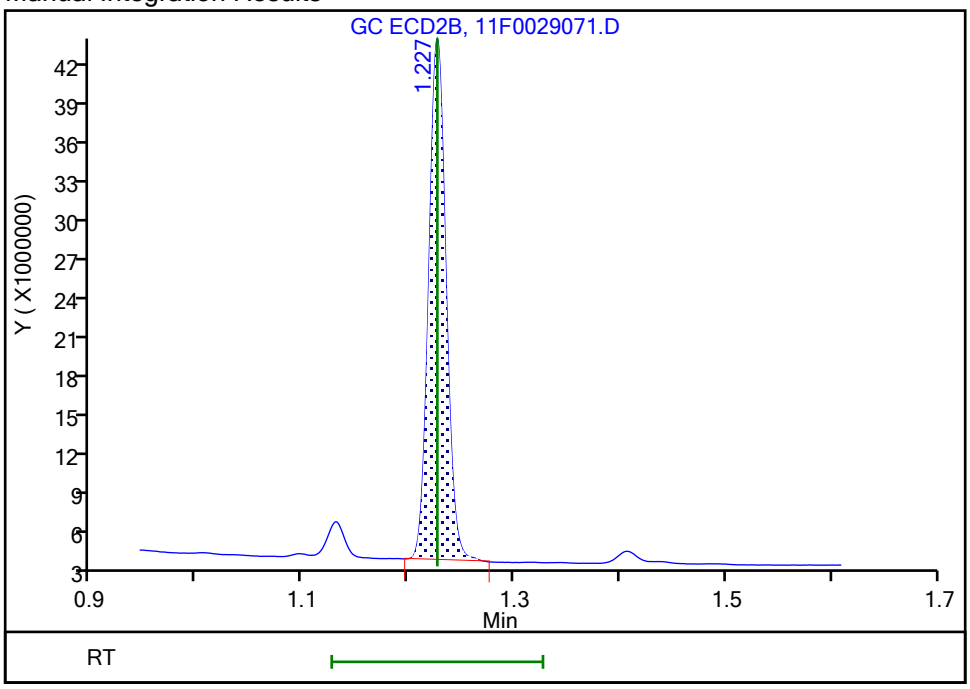
Processing Integration Results

RT: 1.23
Area: 44833163
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44447285
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 12:53:53 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Manual Integration/User Assign Peak Report

Eurofins Edison

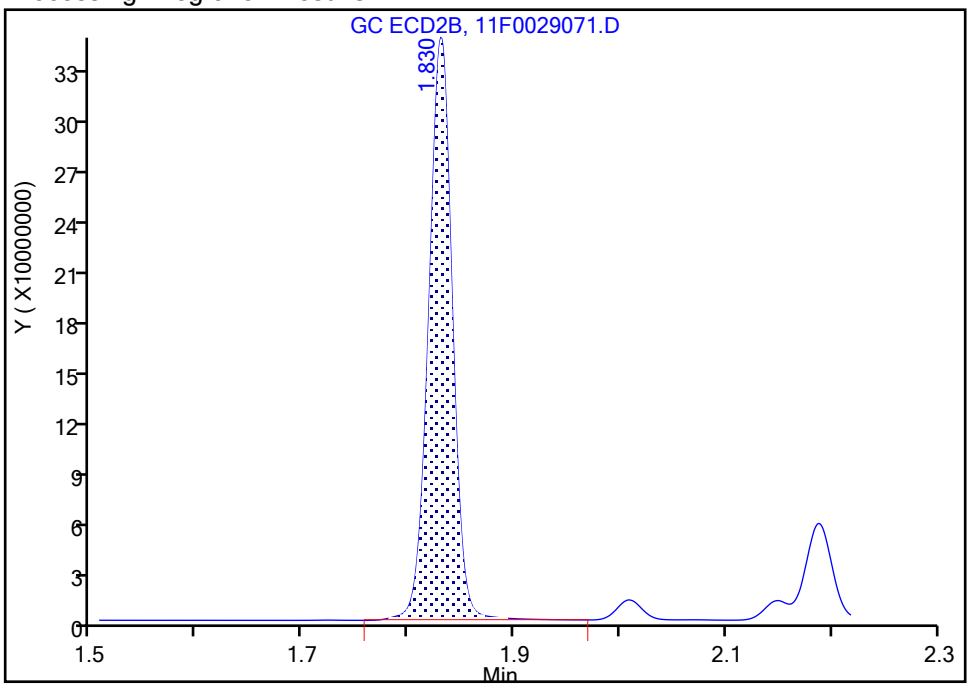
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

$ 2 Tetrachloro-m-xylene, CAS: 877-09-8

Signal: 2

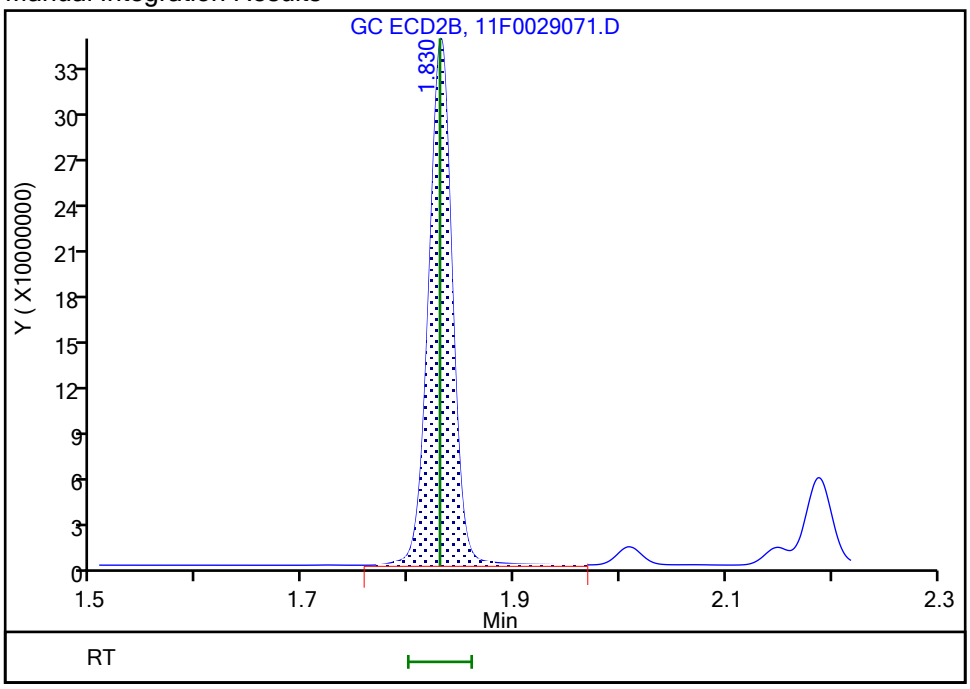
Processing Integration Results

RT: 1.83
Area: 535863541
Amount: 219.0655
Amount Units: ug/l



Manual Integration Results

RT: 1.83
Area: 537208471
Amount: 220.9791
Amount Units: ug/l



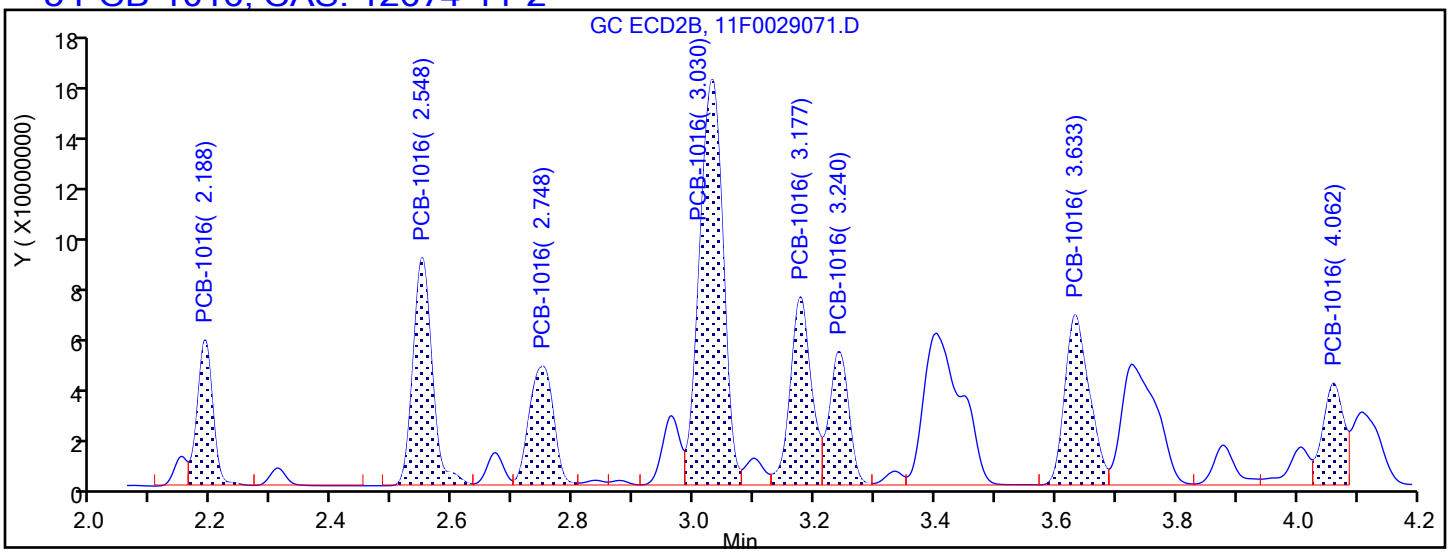
Reviewer: OR9X, 21-Dec-2023 12:53:46 -05:00:00 (UTC)
Audit Action: Assigned New Baseline Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

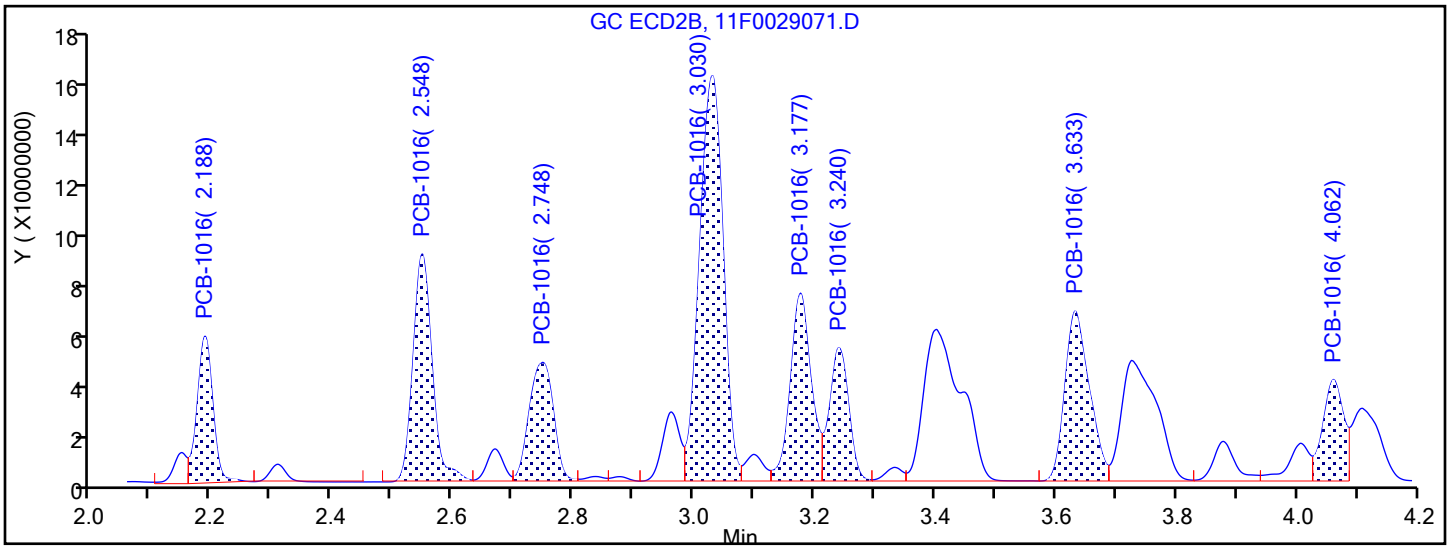
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.188	Response = 103073648
2.548	Response = 196871086
2.748	Response = 129778104
3.030	Response = 432274829
3.177	Response = 177659339
3.240	Response = 116337125
3.633	Response = 187536187
4.062	Response = 96031725



Manual Integration Results

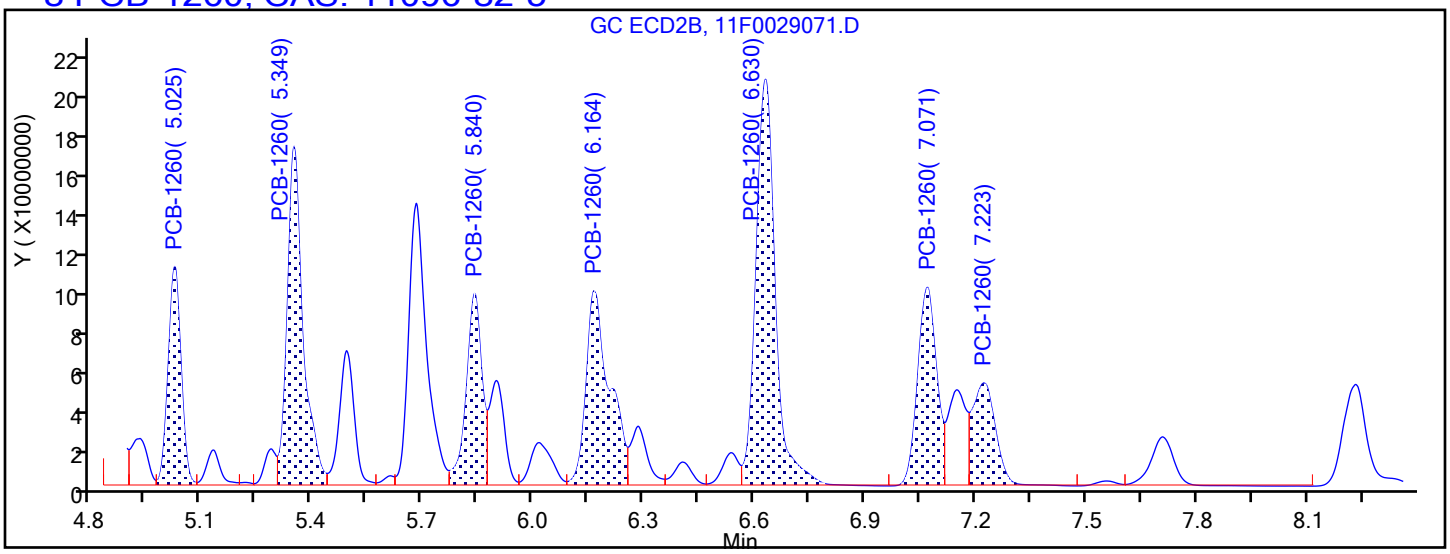
2.188	Response = 104352362	M
2.548	Response = 199021915	M
2.748	Response = 132030879	M
3.030	Response = 434027187	M
3.177	Response = 179208520	M
3.240	Response = 117812356	M

Report Date: 21-Dec-2023 14:23:47 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

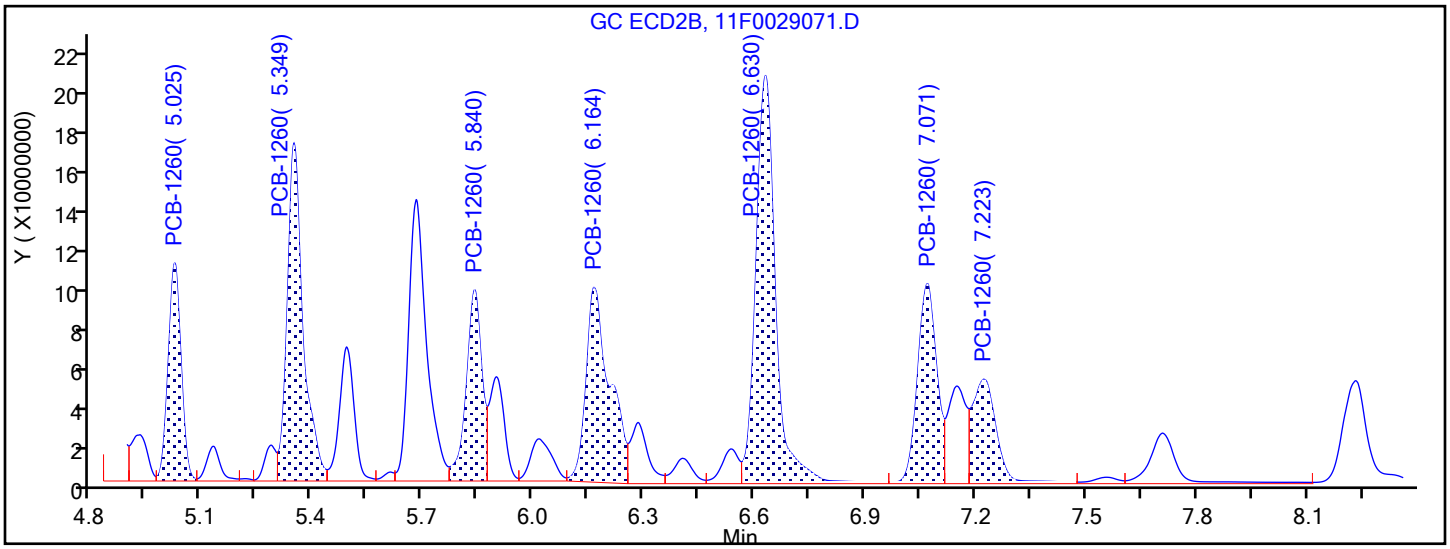
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029071.D
Injection Date: 21-Dec-2023 11:49:49 Instrument ID: CPESTGC11
Lims ID: IC PCB
Client ID:
Operator ID: ALS Bottle#: 22 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

5.025	Response = 265232689
5.349	Response = 501595071
5.840	Response = 281916791
6.164	Response = 427861846
6.630	Response = 736389820
7.071	Response = 351841568
7.223	Response = 220447800
8.233	Response = 234466761



Manual Integration Results

5.025	Response = 266073473	M
5.349	Response = 502608175	M
5.840	Response = 282681716	M
6.164	Response = 429083691	M
6.630	Response = 739043428	M
7.071	Response = 352803265	M

Calibration / Tetrachloro-m-xylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

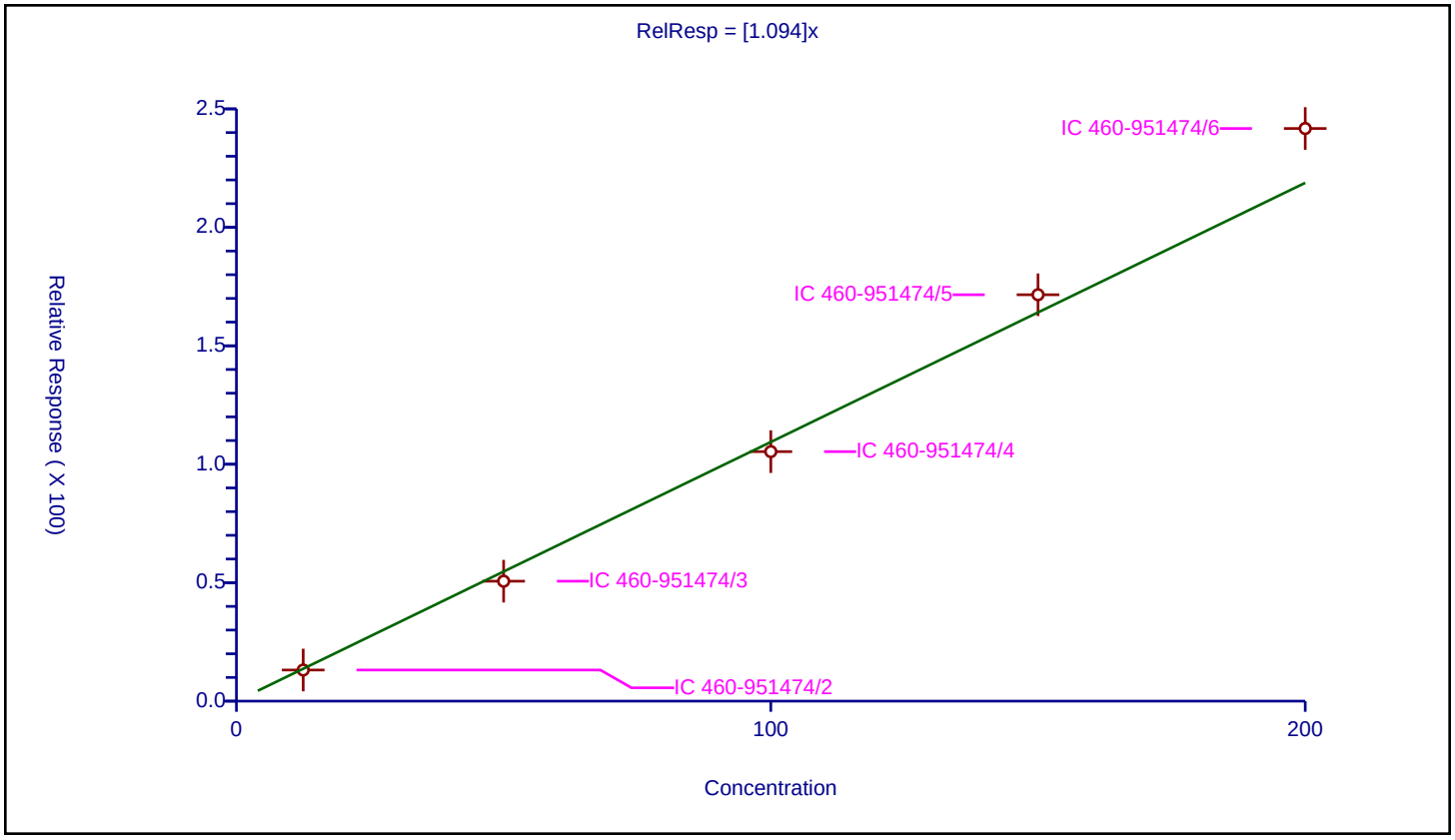
Curve Coefficients

Intercept:	0
Slope:	1.094

Error Coefficients

Standard Error:	359000000
Relative Standard Error:	7.3
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	13.141158	20.0	46187507.0	1.051293	Y
2	IC 460-951474/3	50.0	50.629305	20.0	48079830.0	1.012586	Y
3	IC 460-951474/4	100.0	105.328941	20.0	44138313.0	1.053289	Y
4	IC 460-951474/5	150.0	171.551217	20.0	46173697.0	1.143675	Y
5	IC 460-951474/6	200.0	241.728362	20.0	44447285.0	1.208642	Y



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Calibration / PCB-1016 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

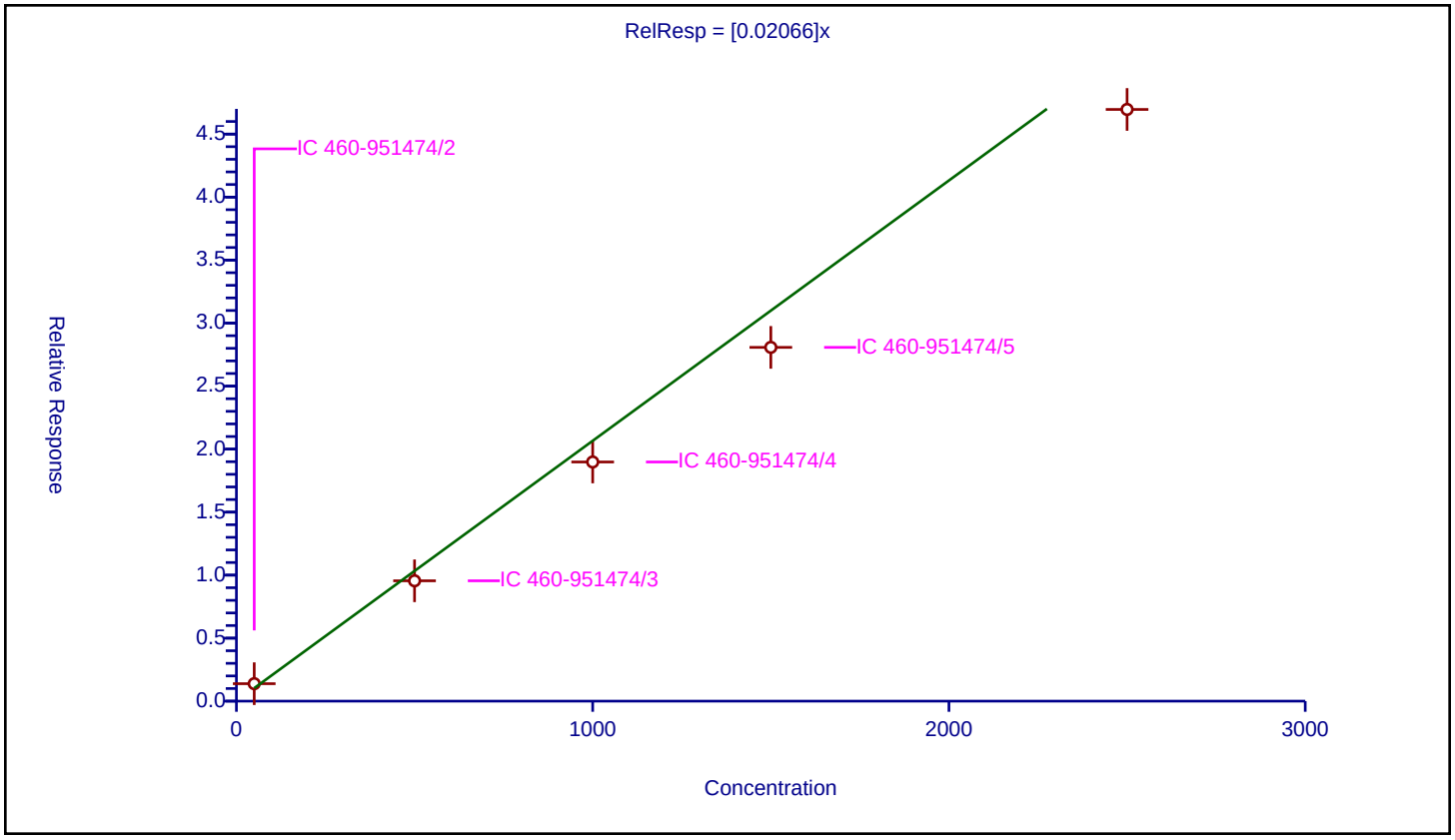
Curve Coefficients

Intercept:	0
Slope:	0.02066

Error Coefficients

Standard Error:	65900000
Relative Standard Error:	19.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.949

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.385869	20.0	46187507.0	0.027717	Y
2	IC 460-951474/3	500.0	9.550072	20.0	48079830.0	0.0191	Y
3	IC 460-951474/4	1000.0	18.978929	20.0	44138313.0	0.018979	Y
4	IC 460-951474/5	1500.0	28.074538	20.0	46173697.0	0.018716	Y
5	IC 460-951474/6	2500.0	46.955562	20.0	44447285.0	0.018782	Y



Calibration / PCB-1016 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

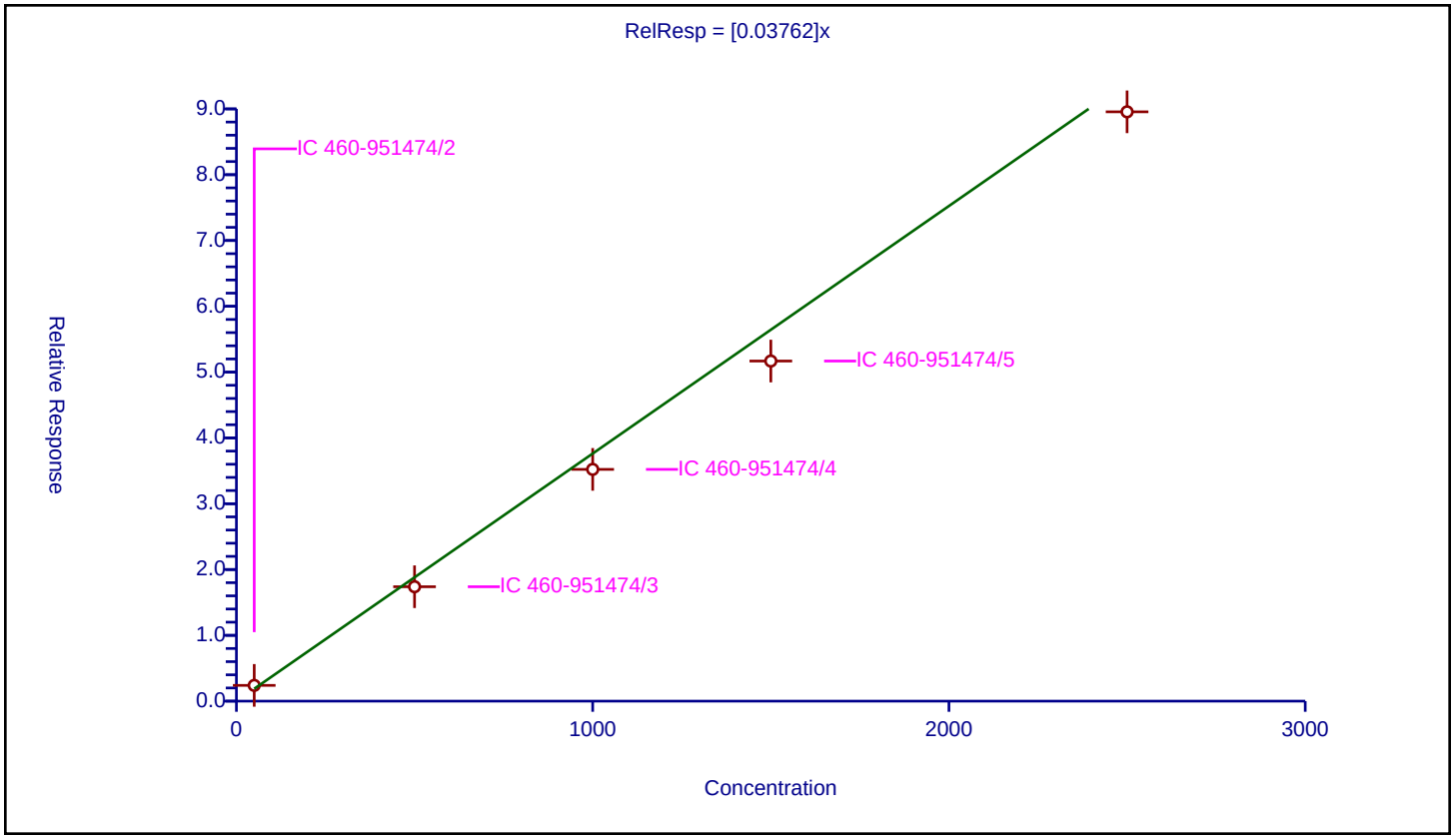
Curve Coefficients

Intercept:	0
Slope:	0.03762

Error Coefficients

Standard Error:	124000000
Relative Standard Error:	15.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.392094	20.0	46187507.0	0.047842	Y
2	IC 460-951474/3	500.0	17.386889	20.0	48079830.0	0.034774	Y
3	IC 460-951474/4	1000.0	35.219677	20.0	44138313.0	0.03522	Y
4	IC 460-951474/5	1500.0	51.682556	20.0	46173697.0	0.034455	Y
5	IC 460-951474/6	2500.0	89.554138	20.0	44447285.0	0.035822	Y



Calibration / PCB-1016 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

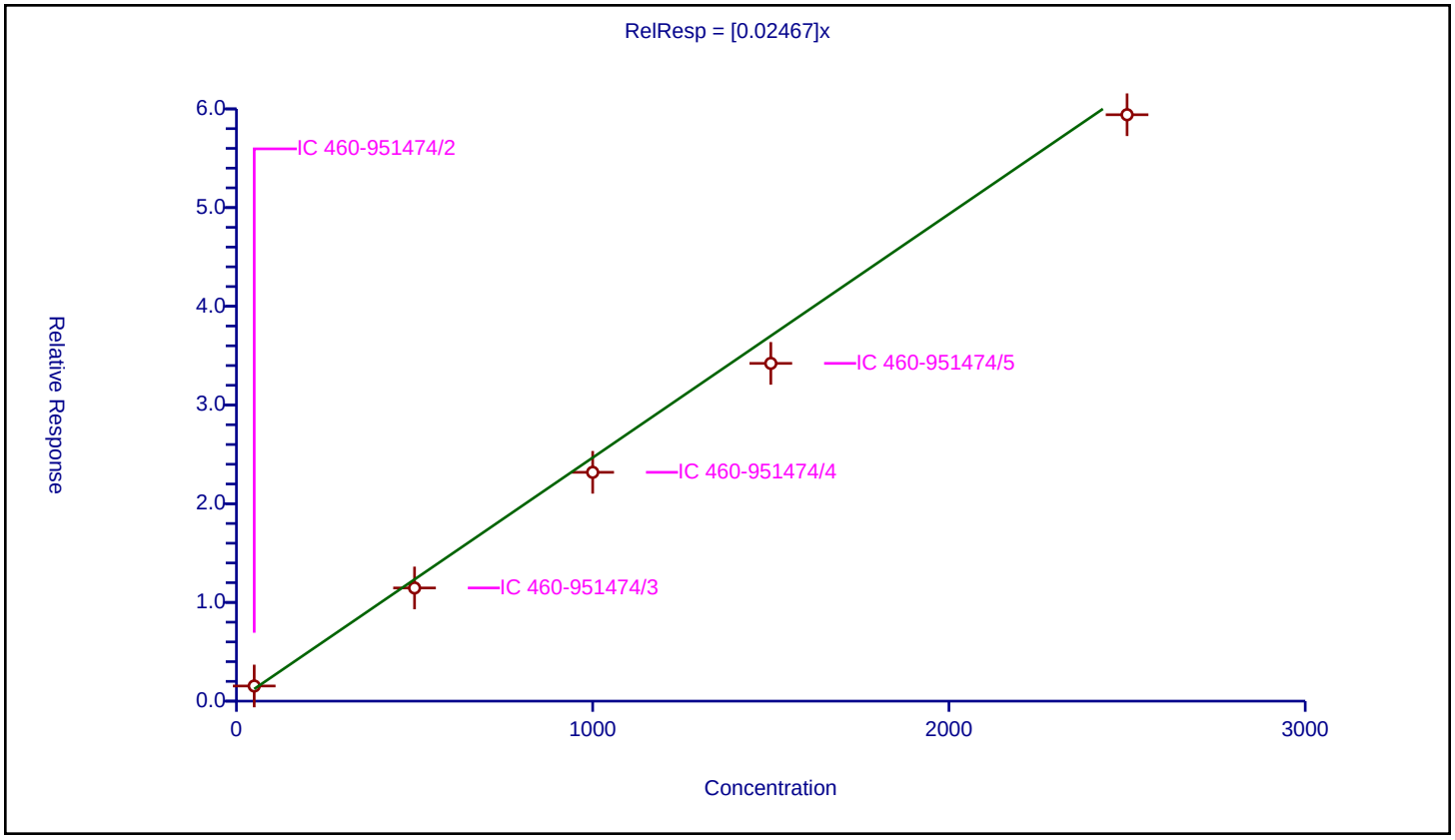
Curve Coefficients

Intercept:	0
Slope:	0.02467

Error Coefficients

Standard Error:	82300000
Relative Standard Error:	13.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.532817	20.0	46187507.0	0.030656	Y
2	IC 460-951474/3	500.0	11.466726	20.0	48079830.0	0.022933	Y
3	IC 460-951474/4	1000.0	23.181622	20.0	44138313.0	0.023182	Y
4	IC 460-951474/5	1500.0	34.218162	20.0	46173697.0	0.022812	Y
5	IC 460-951474/6	2500.0	59.410099	20.0	44447285.0	0.023764	Y



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Calibration / PCB-1016 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

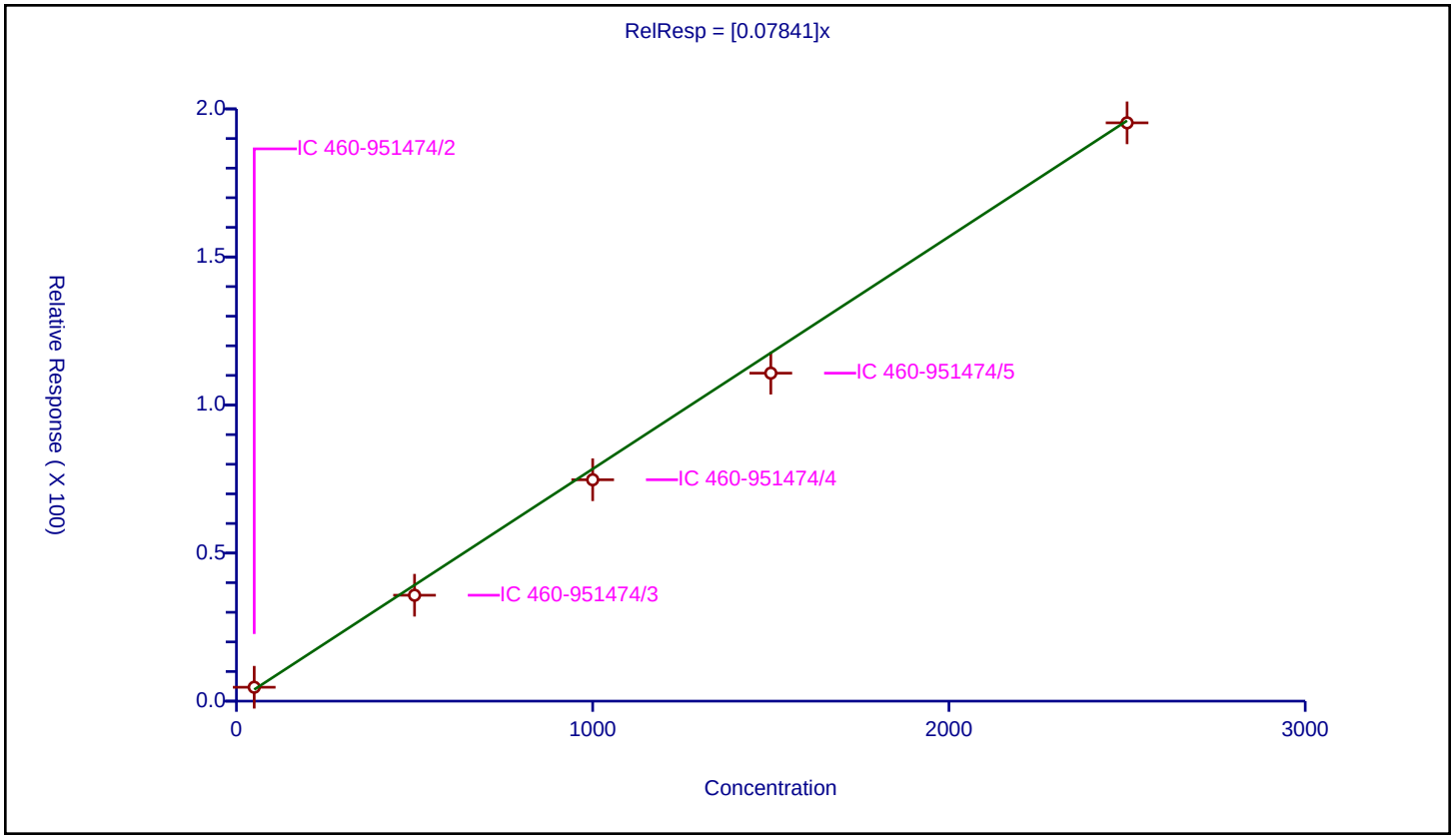
Curve Coefficients

Intercept:	0
Slope:	0.07841

Error Coefficients

Standard Error:	269000000
Relative Standard Error:	11.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.689302	20.0	46187507.0	0.093786	Y
2	IC 460-951474/3	500.0	35.767307	20.0	48079830.0	0.071535	Y
3	IC 460-951474/4	1000.0	74.762264	20.0	44138313.0	0.074762	Y
4	IC 460-951474/5	1500.0	110.762803	20.0	46173697.0	0.073842	Y
5	IC 460-951474/6	2500.0	195.299752	20.0	44447285.0	0.07812	Y



Calibration / PCB-1016 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

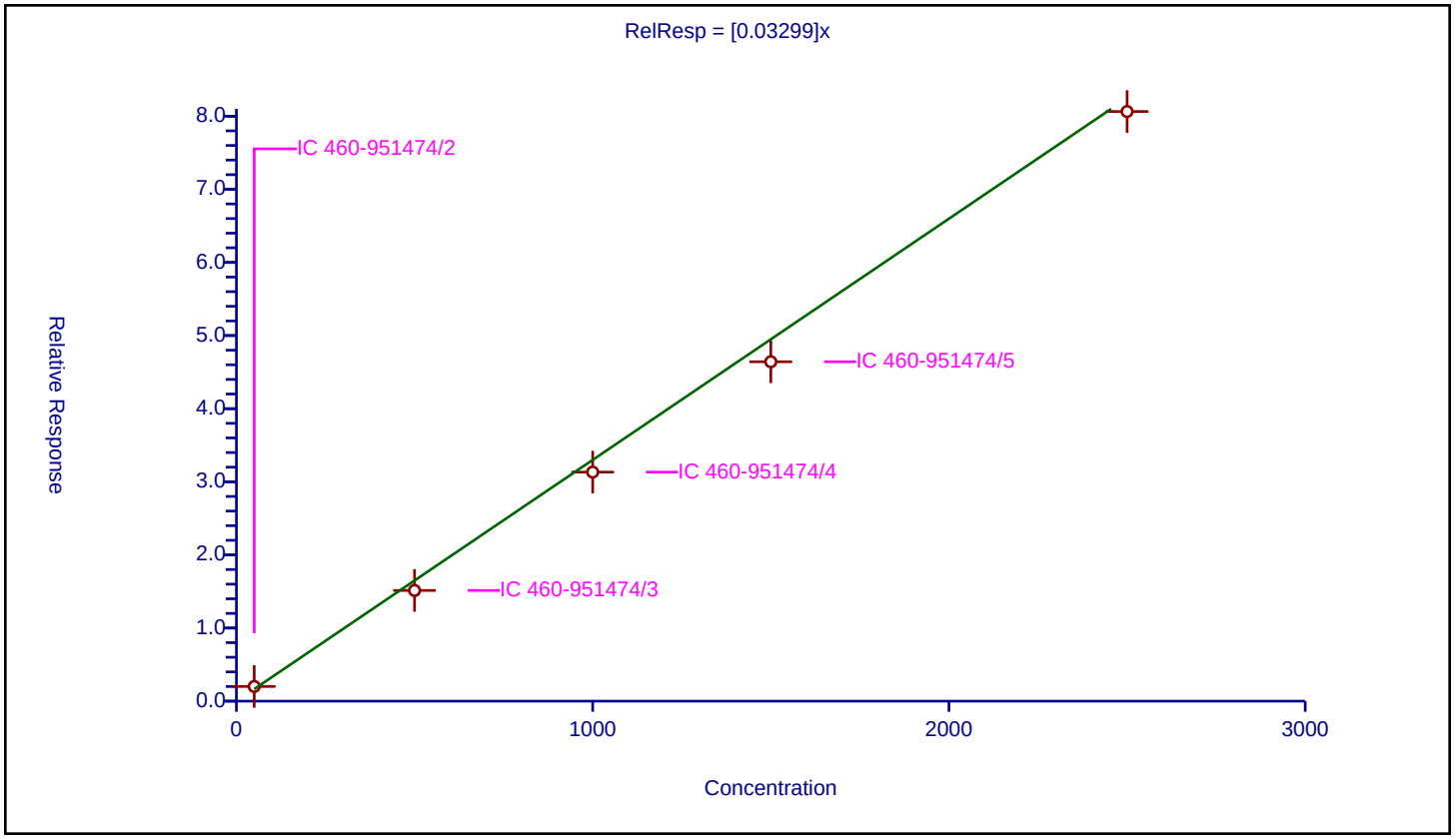
Curve Coefficients

Intercept:	0
Slope:	0.03299

Error Coefficients

Standard Error:	111000000
Relative Standard Error:	12.3
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.007485	20.0	46187507.0	0.04015	Y
2	IC 460-951474/3	500.0	15.137541	20.0	48079830.0	0.030275	Y
3	IC 460-951474/4	1000.0	31.323408	20.0	44138313.0	0.031323	Y
4	IC 460-951474/5	1500.0	46.4174	20.0	46173697.0	0.030945	Y
5	IC 460-951474/6	2500.0	80.63868	20.0	44447285.0	0.032255	Y



Calibration / PCB-1016 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

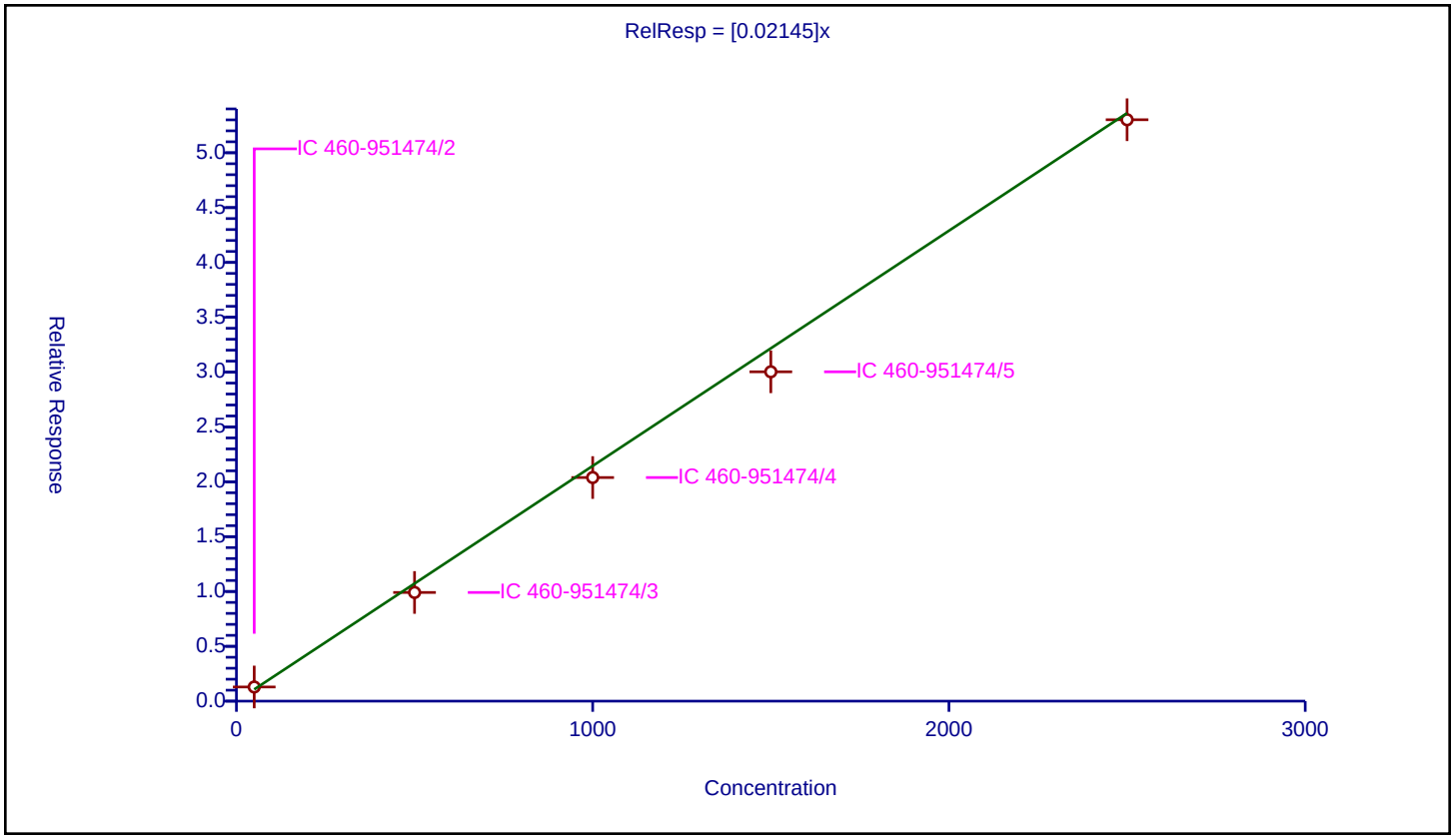
Curve Coefficients

Intercept:	0
Slope:	0.02145

Error Coefficients

Standard Error:	73000000
Relative Standard Error:	11.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.289844	20.0	46187507.0	0.025797	Y
2	IC 460-951474/3	500.0	9.909455	20.0	48079830.0	0.019819	Y
3	IC 460-951474/4	1000.0	20.388013	20.0	44138313.0	0.020388	Y
4	IC 460-951474/5	1500.0	30.029724	20.0	46173697.0	0.02002	Y
5	IC 460-951474/6	2500.0	53.012172	20.0	44447285.0	0.021205	Y



Calibration / PCB-1016 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

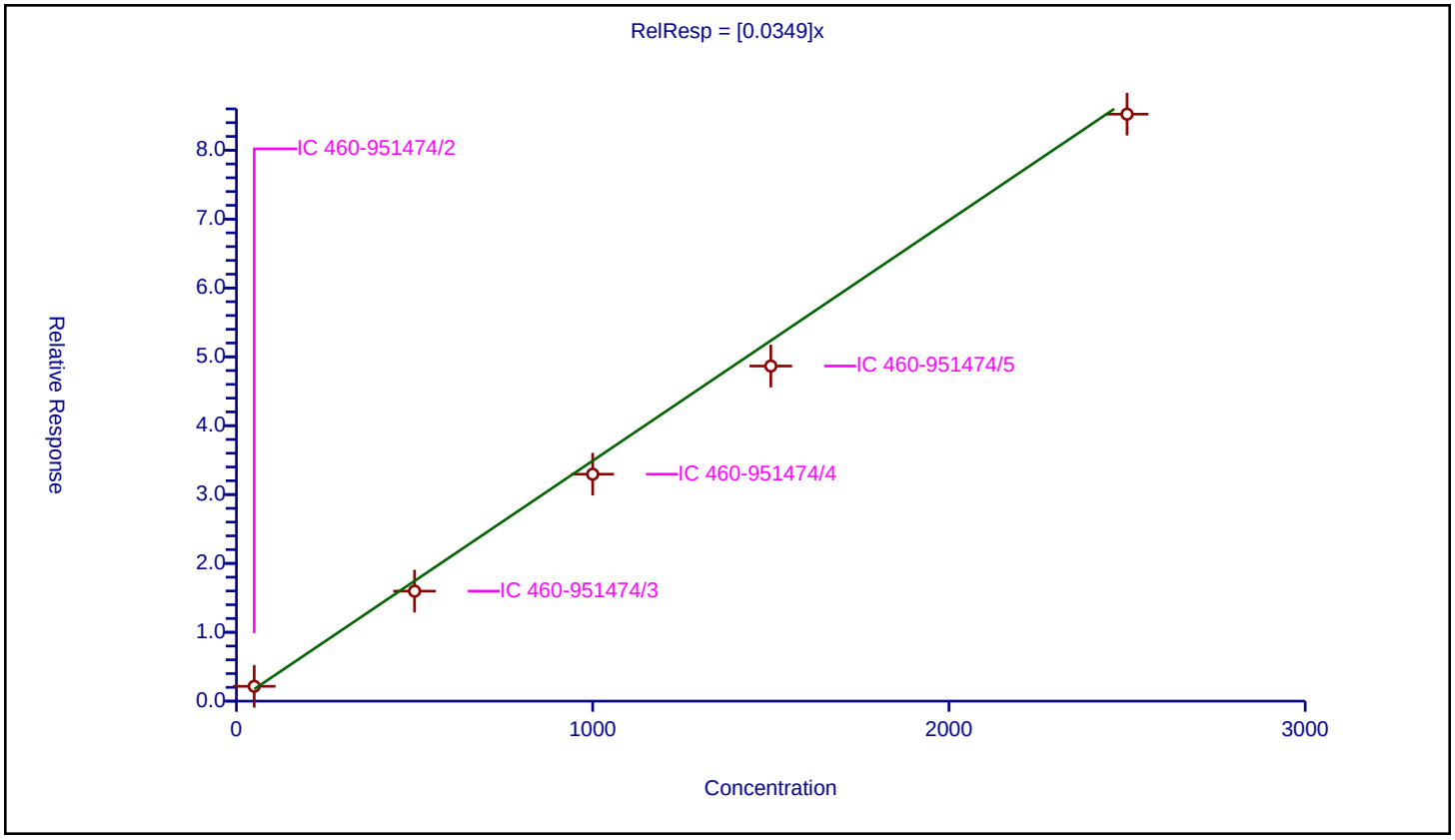
Curve Coefficients

Intercept:	0
Slope:	0.0349

Error Coefficients

Standard Error:	118000000
Relative Standard Error:	13.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.154166	20.0	46187507.0	0.043083	Y
2	IC 460-951474/3	500.0	15.973201	20.0	48079830.0	0.031946	Y
3	IC 460-951474/4	1000.0	32.952563	20.0	44138313.0	0.032953	Y
4	IC 460-951474/5	1500.0	48.659618	20.0	46173697.0	0.03244	Y
5	IC 460-951474/6	2500.0	85.23231	20.0	44447285.0	0.034093	Y



Calibration / PCB-1016 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

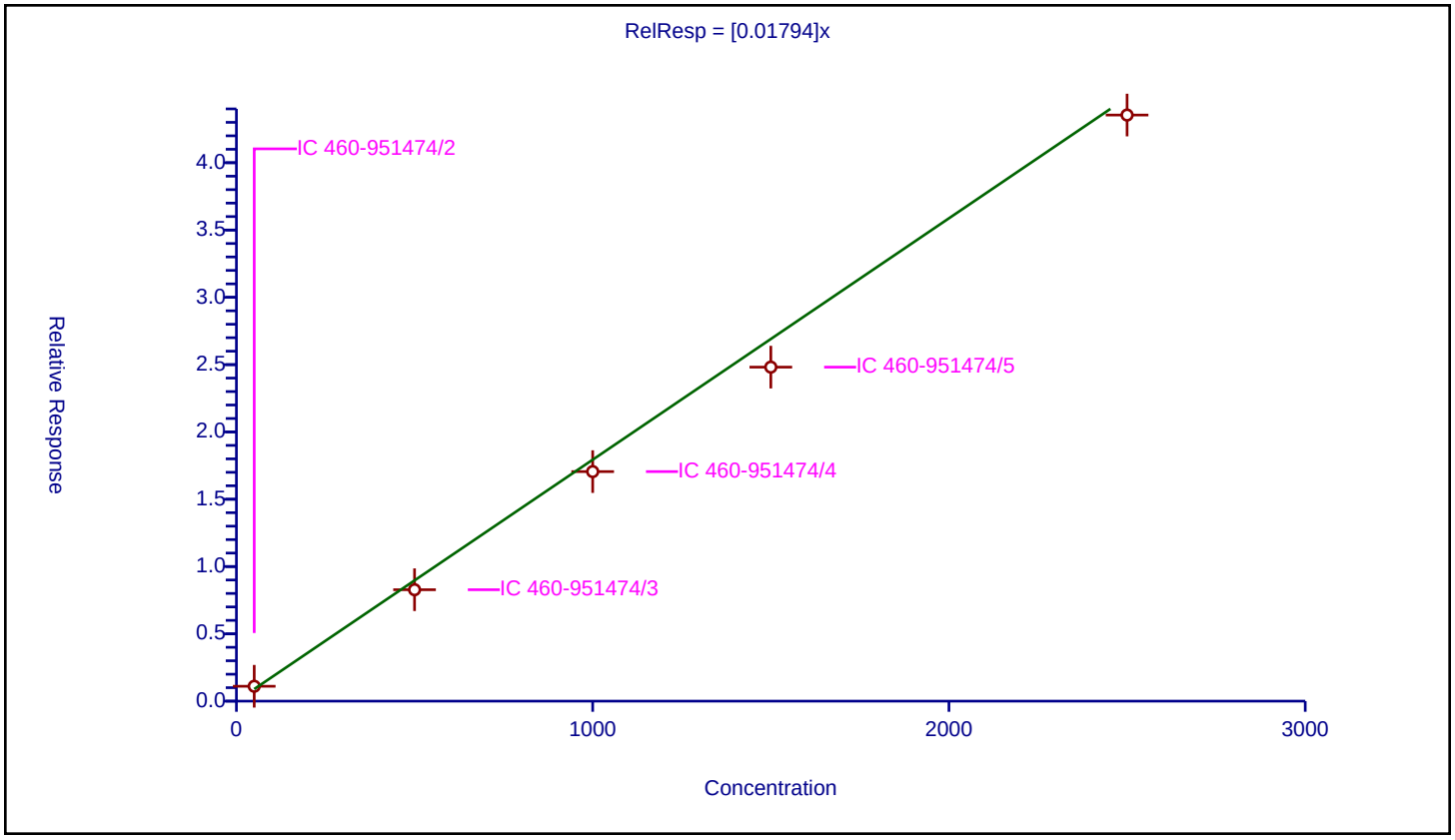
Curve Coefficients

Intercept:	0
Slope:	0.01794

Error Coefficients

Standard Error:	60100000
Relative Standard Error:	13.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.977

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	1.105424	20.0	46187507.0	0.022108	Y
2	IC 460-951474/3	500.0	8.277654	20.0	48079830.0	0.016555	Y
3	IC 460-951474/4	1000.0	17.053548	20.0	44138313.0	0.017054	Y
4	IC 460-951474/5	1500.0	24.814674	20.0	46173697.0	0.016543	Y
5	IC 460-951474/6	2500.0	43.542707	20.0	44447285.0	0.017417	Y



Calibration / PCB-1260 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

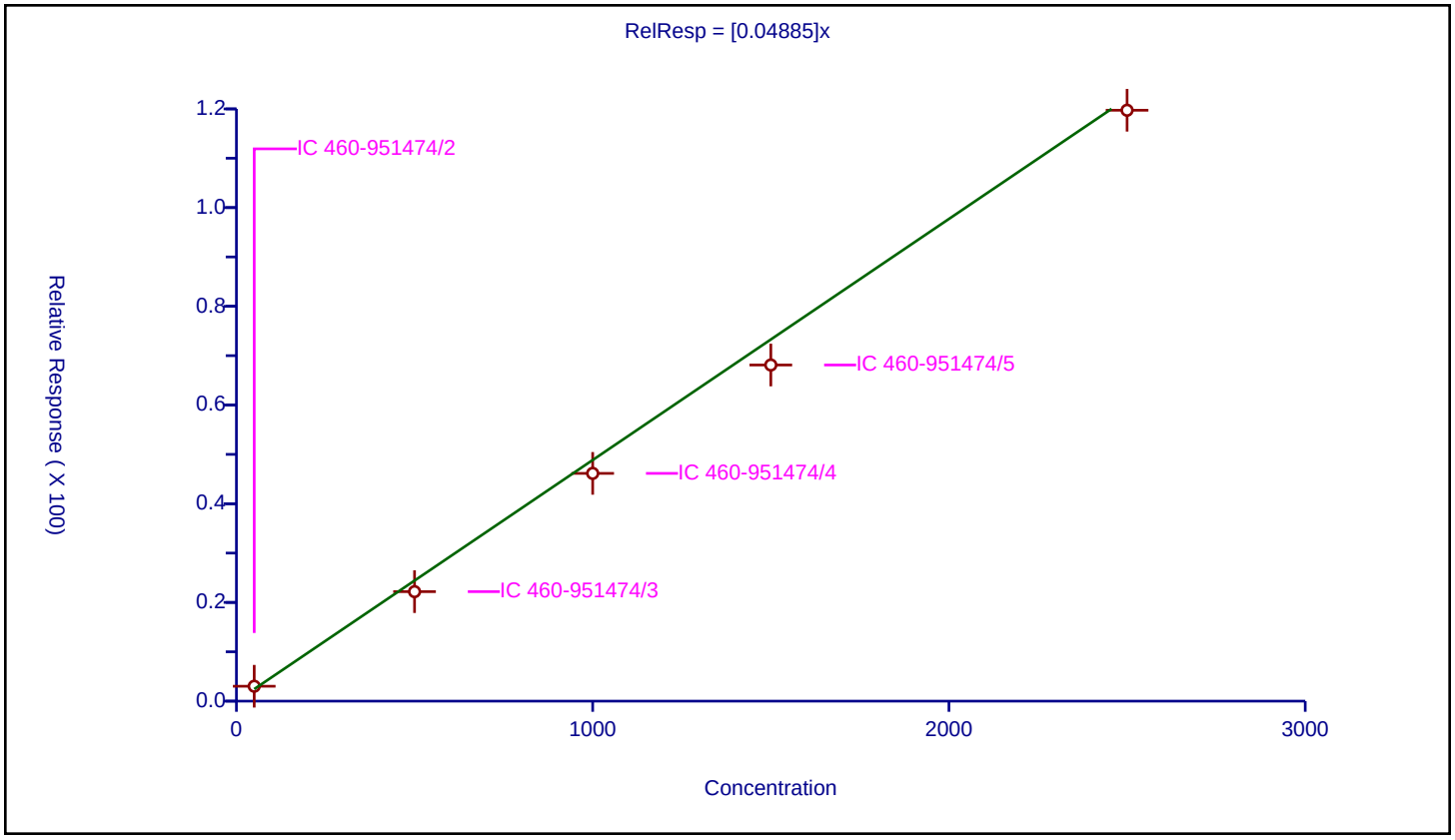
Curve Coefficients

Intercept:	0
Slope:	0.04885

Error Coefficients

Standard Error:	165000000
Relative Standard Error:	13.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.976

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.021791	20.0	46187507.0	0.060436	Y
2	IC 460-951474/3	500.0	22.189032	20.0	48079830.0	0.044378	Y
3	IC 460-951474/4	1000.0	46.149781	20.0	44138313.0	0.04615	Y
4	IC 460-951474/5	1500.0	68.107224	20.0	46173697.0	0.045405	Y
5	IC 460-951474/6	2500.0	119.725411	20.0	44447285.0	0.04789	Y



Calibration / PCB-1260 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

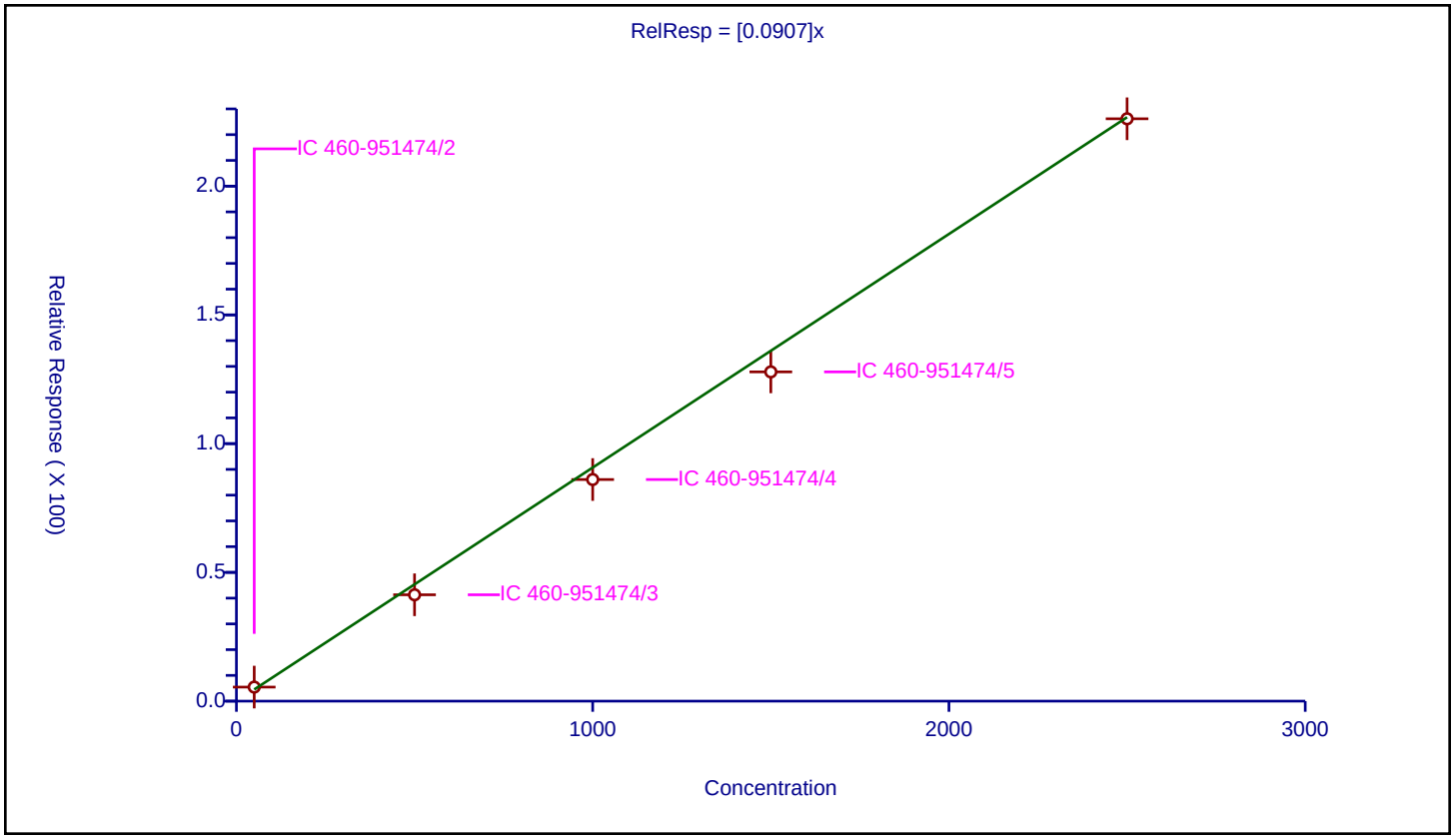
Curve Coefficients

Intercept:	0
Slope:	0.0907

Error Coefficients

Standard Error:	311000000
Relative Standard Error:	11.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.982

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	5.456531	20.0	46187507.0	0.109131	Y
2	IC 460-951474/3	500.0	41.309504	20.0	48079830.0	0.082619	Y
3	IC 460-951474/4	1000.0	86.058851	20.0	44138313.0	0.086059	Y
4	IC 460-951474/5	1500.0	127.865967	20.0	46173697.0	0.085244	Y
5	IC 460-951474/6	2500.0	226.159224	20.0	44447285.0	0.090464	Y



Calibration / PCB-1260 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

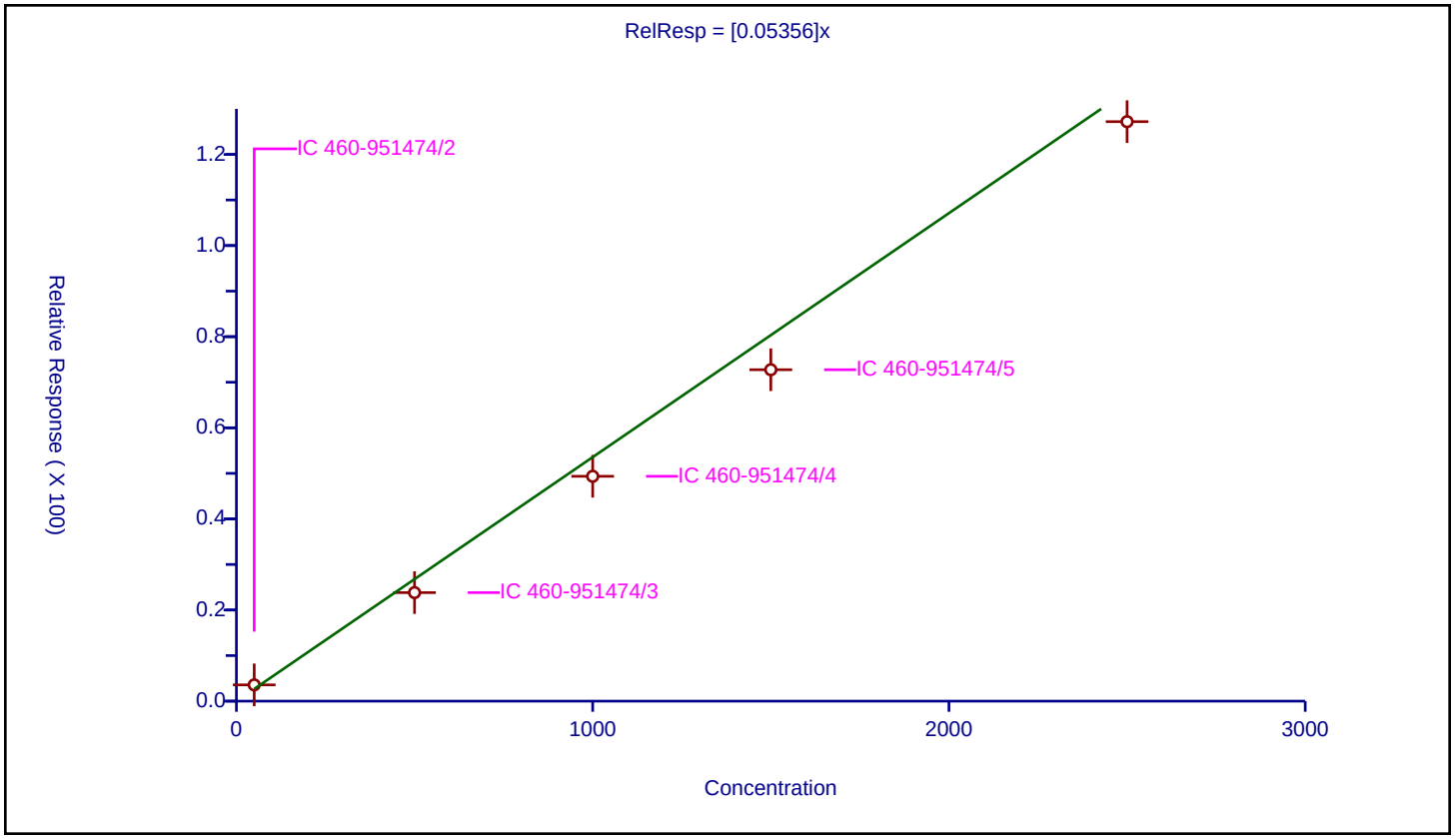
Curve Coefficients

Intercept:	0
Slope:	0.05356

Error Coefficients

Standard Error:	176000000
Relative Standard Error:	18.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.951

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.570019	20.0	46187507.0	0.0714	Y
2	IC 460-951474/3	500.0	23.824822	20.0	48079830.0	0.04765	Y
3	IC 460-951474/4	1000.0	49.356196	20.0	44138313.0	0.049356	Y
4	IC 460-951474/5	1500.0	72.746349	20.0	46173697.0	0.048498	Y
5	IC 460-951474/6	2500.0	127.198643	20.0	44447285.0	0.050879	Y



Calibration / PCB-1260 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

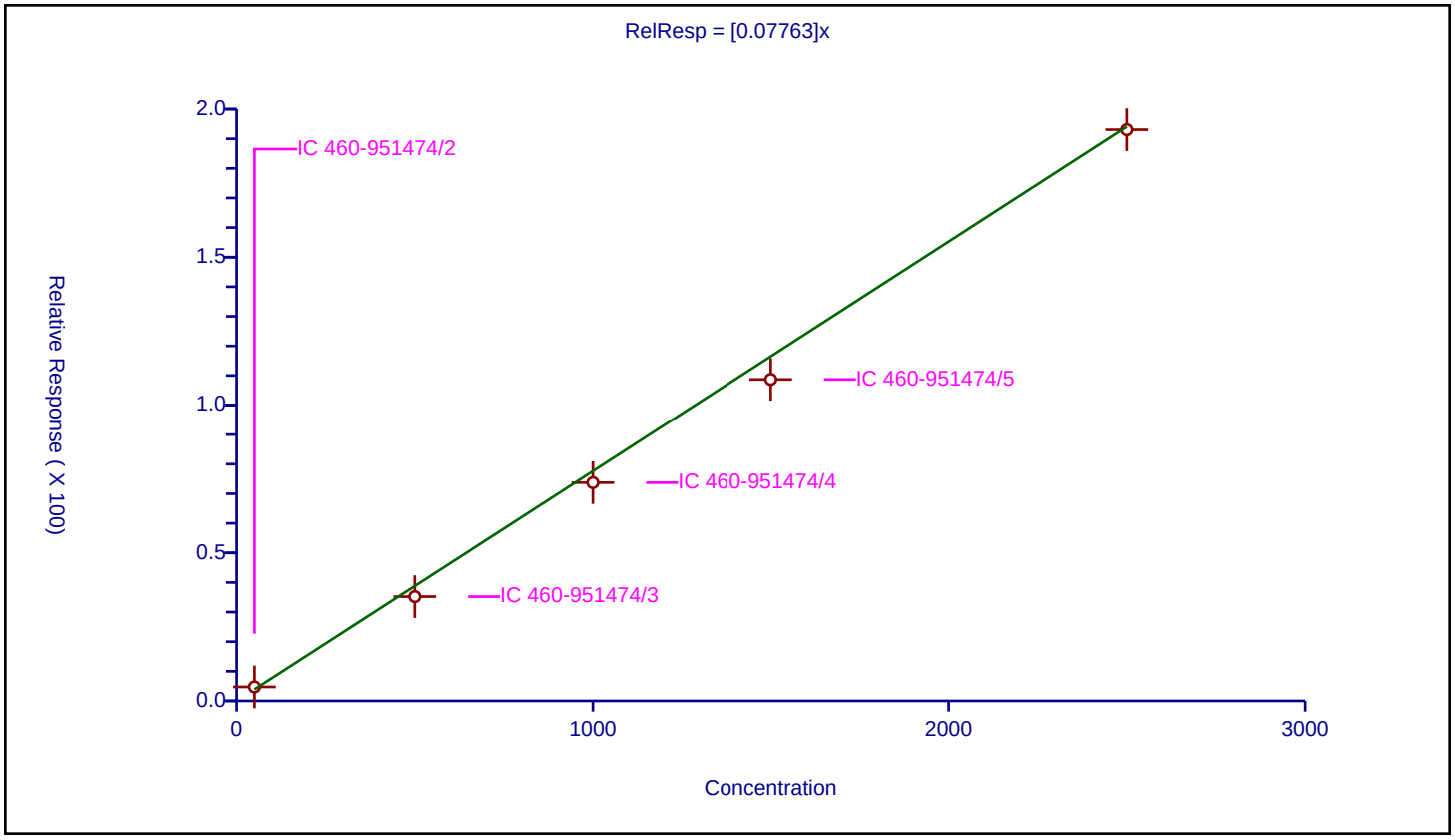
Curve Coefficients

Intercept:	0
Slope:	0.07763

Error Coefficients

Standard Error:	265000000
Relative Standard Error:	12.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	4.714484	20.0	46187507.0	0.09429	Y
2	IC 460-951474/3	500.0	35.225499	20.0	48079830.0	0.070451	Y
3	IC 460-951474/4	1000.0	73.745206	20.0	44138313.0	0.073745	Y
4	IC 460-951474/5	1500.0	108.676664	20.0	46173697.0	0.072451	Y
5	IC 460-951474/6	2500.0	193.075321	20.0	44447285.0	0.07723	Y



Calibration / PCB-1260 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

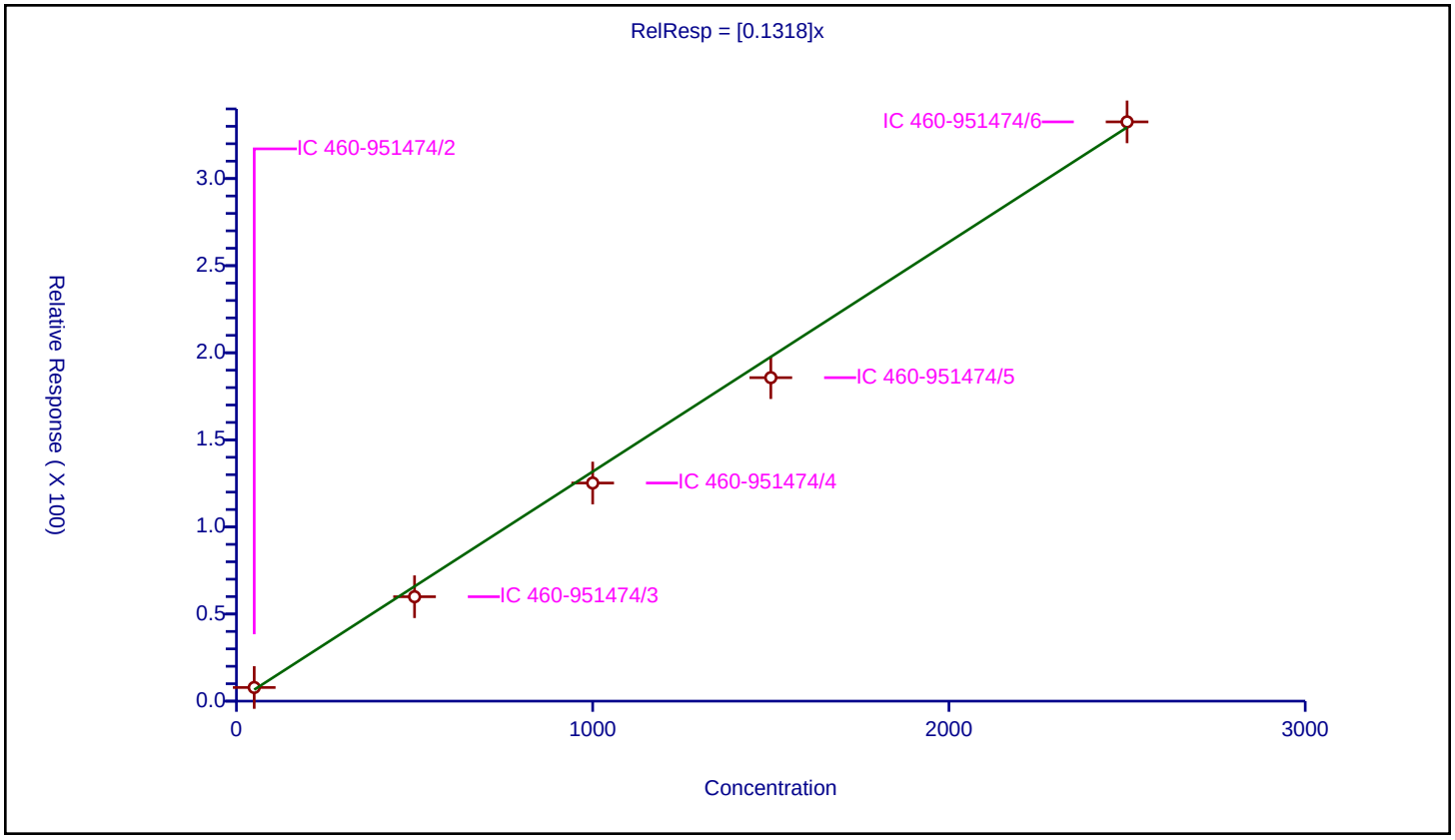
Curve Coefficients

Intercept:	0
Slope:	0.1318

Error Coefficients

Standard Error:	455000000
Relative Standard Error:	11.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	7.843435	20.0	46187507.0	0.156869	Y
2	IC 460-951474/3	500.0	59.948373	20.0	48079830.0	0.119897	Y
3	IC 460-951474/4	1000.0	125.224951	20.0	44138313.0	0.125225	Y
4	IC 460-951474/5	1500.0	185.709751	20.0	46173697.0	0.123807	Y
5	IC 460-951474/6	2500.0	332.548289	20.0	44447285.0	0.133019	Y



Calibration / PCB-1260 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

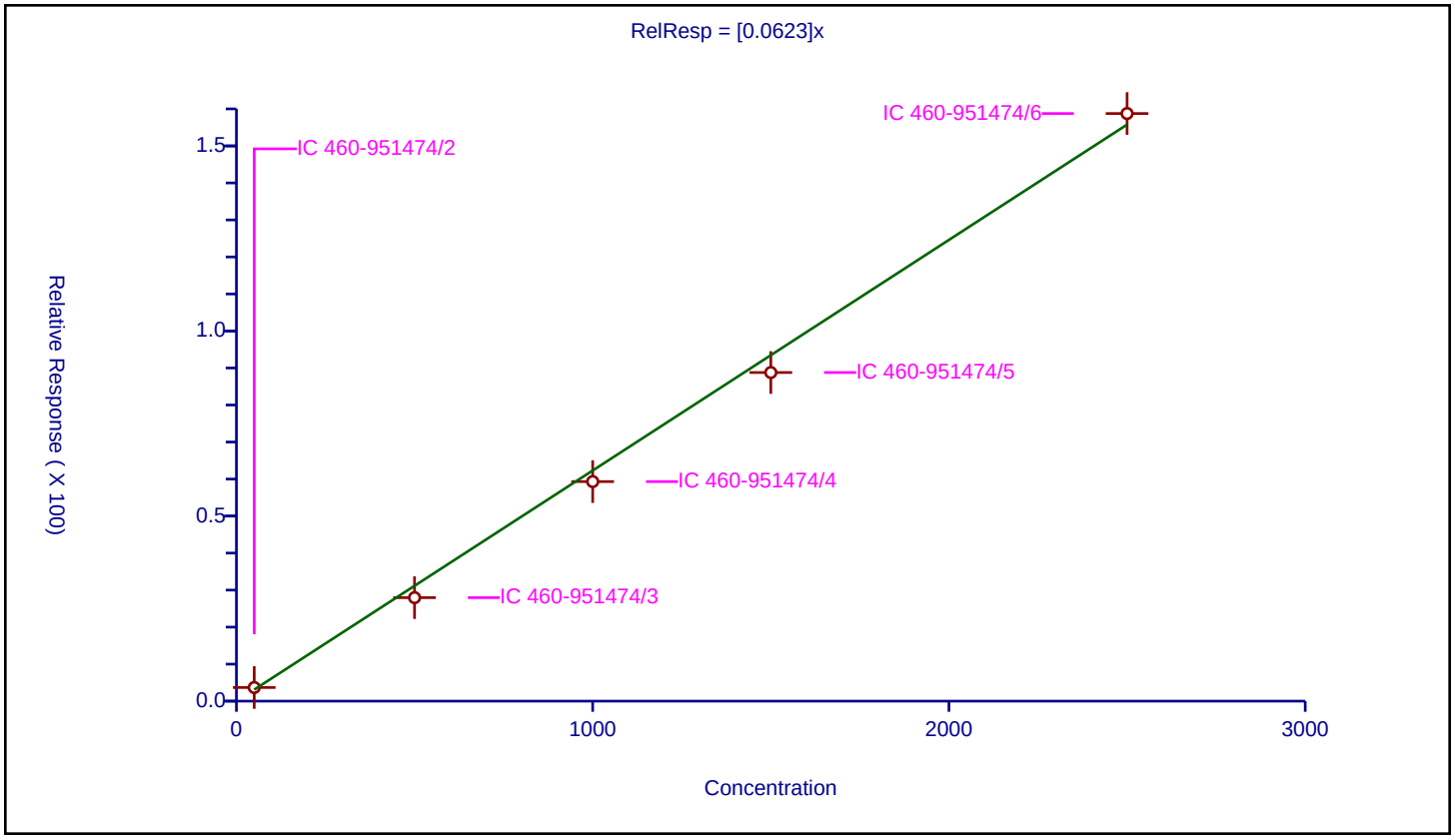
Curve Coefficients

Intercept:	0
Slope:	0.0623

Error Coefficients

Standard Error:	217000000
Relative Standard Error:	11.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	3.680369	20.0	46187507.0	0.073607	Y
2	IC 460-951474/3	500.0	27.955244	20.0	48079830.0	0.05591	Y
3	IC 460-951474/4	1000.0	59.311661	20.0	44138313.0	0.059312	Y
4	IC 460-951474/5	1500.0	88.778172	20.0	46173697.0	0.059185	Y
5	IC 460-951474/6	2500.0	158.751323	20.0	44447285.0	0.063501	Y



Calibration / PCB-1260 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

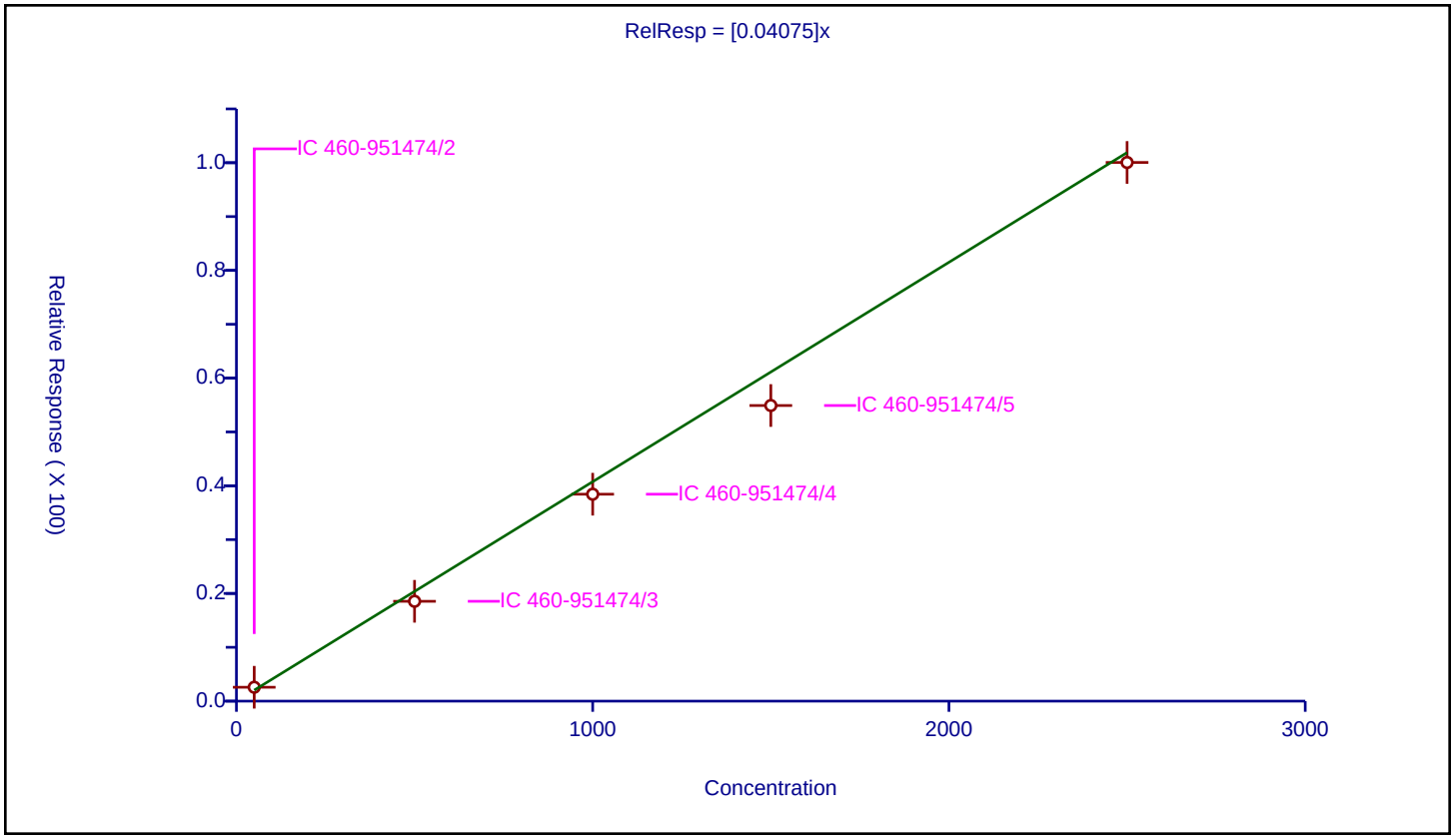
Curve Coefficients

Intercept:	0
Slope:	0.04075

Error Coefficients

Standard Error:	137000000
Relative Standard Error:	15.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.969

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.581045	20.0	46187507.0	0.051621	Y
2	IC 460-951474/3	500.0	18.543644	20.0	48079830.0	0.037087	Y
3	IC 460-951474/4	1000.0	38.435793	20.0	44138313.0	0.038436	Y
4	IC 460-951474/5	1500.0	54.909429	20.0	46173697.0	0.036606	Y
5	IC 460-951474/6	2500.0	100.05242	20.0	44447285.0	0.040021	Y



Calibration / PCB-1260 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

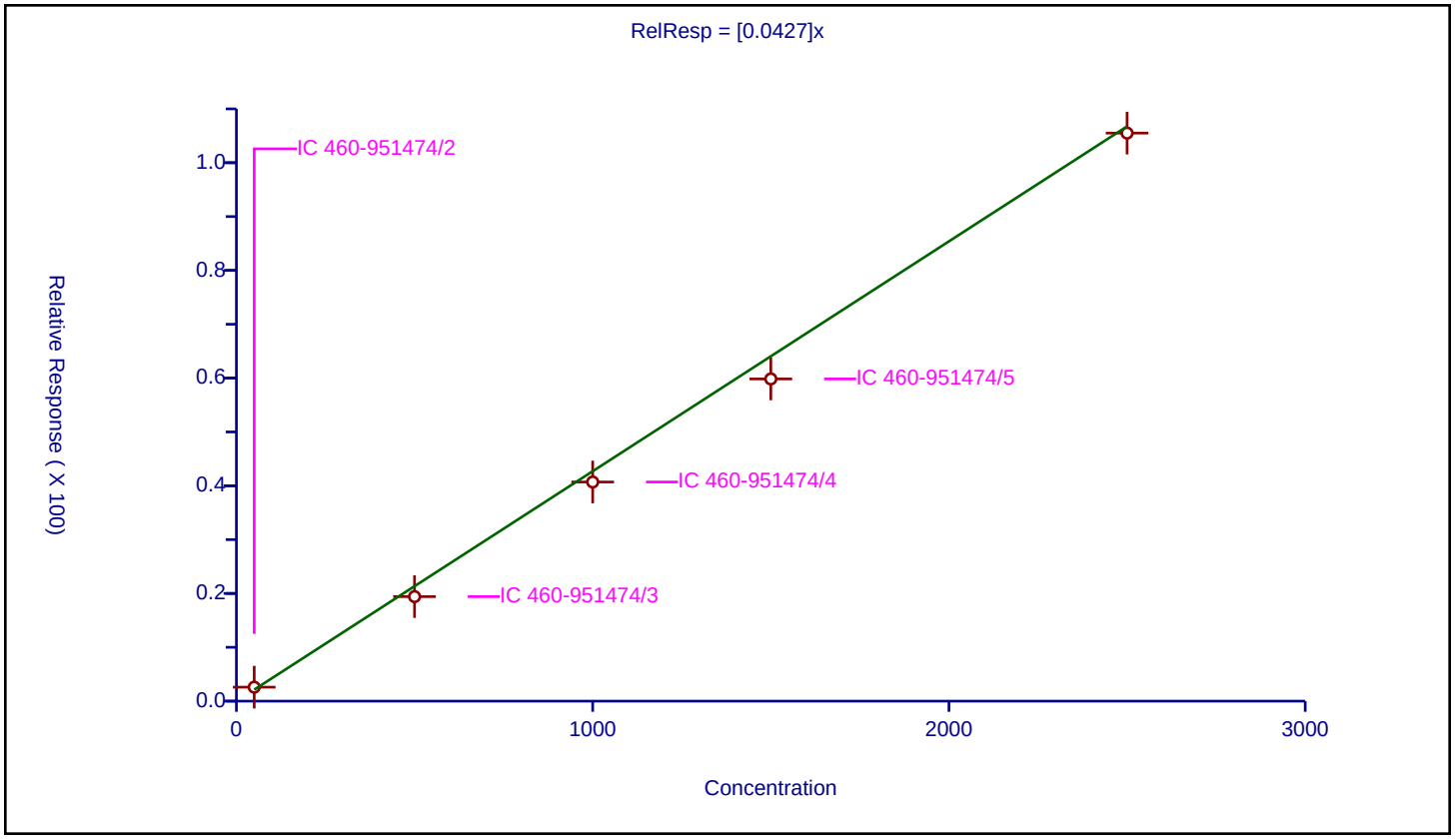
Curve Coefficients

Intercept:	0
Slope:	0.0427

Error Coefficients

Standard Error:	145000000
Relative Standard Error:	12.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.980

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	50.0	2.593158	20.0	46187507.0	0.051863	Y
2	IC 460-951474/3	500.0	19.415365	20.0	48079830.0	0.038831	Y
3	IC 460-951474/4	1000.0	40.701465	20.0	44138313.0	0.040701	Y
4	IC 460-951474/5	1500.0	59.842747	20.0	46173697.0	0.039895	Y
5	IC 460-951474/6	2500.0	105.503299	20.0	44447285.0	0.042201	Y



Calibration / DCB Decachlorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

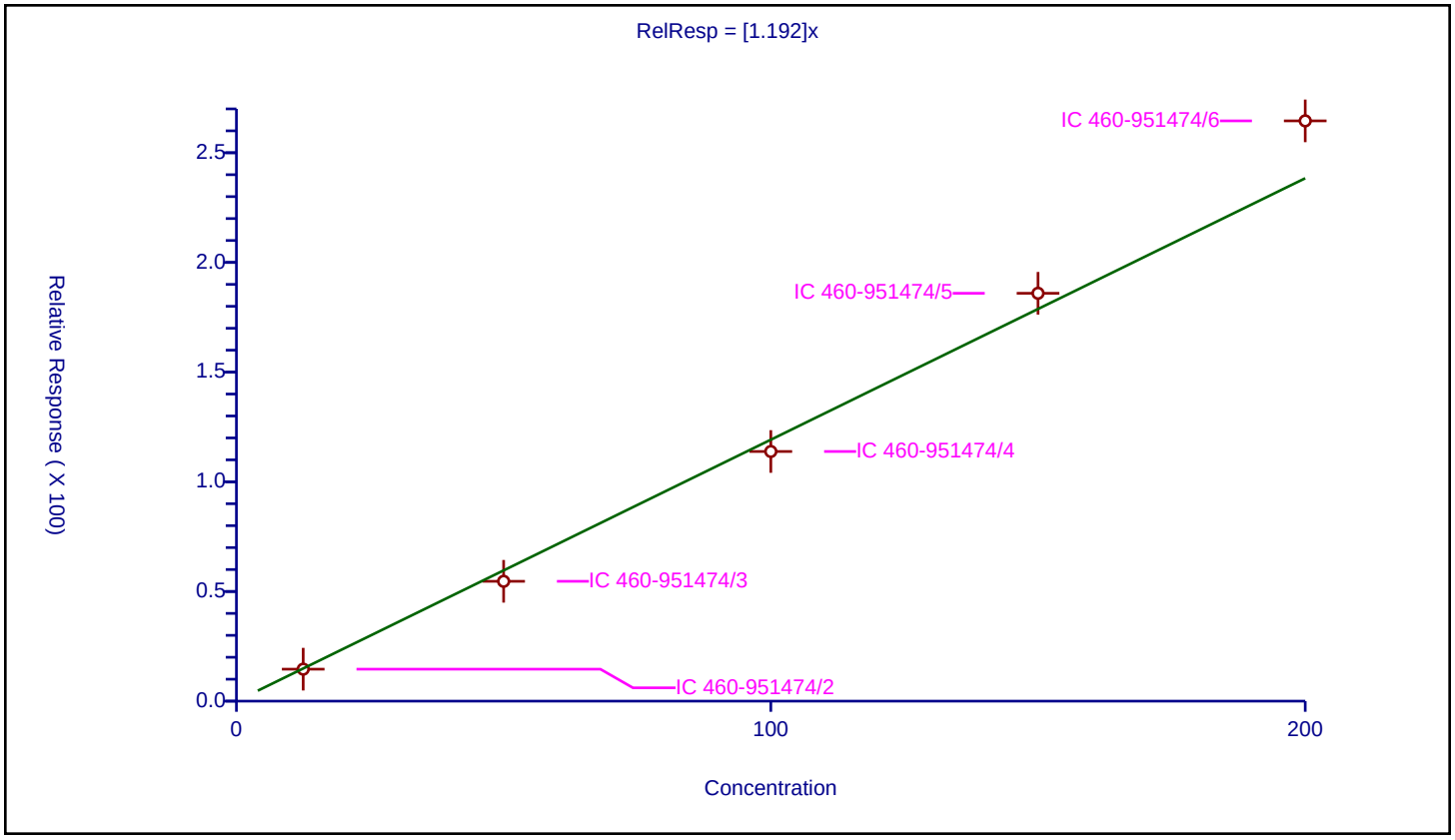
Curve Coefficients

Intercept:	0
Slope:	1.192

Error Coefficients

Standard Error:	391000000
Relative Standard Error:	7.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/2	12.5	14.578994	20.0	46187507.0	1.16632	Y
2	IC 460-951474/3	50.0	54.62861	20.0	48079830.0	1.092572	Y
3	IC 460-951474/4	100.0	113.814578	20.0	44138313.0	1.138146	Y
4	IC 460-951474/5	150.0	185.937608	20.0	46173697.0	1.239584	Y
5	IC 460-951474/6	200.0	264.540775	20.0	44447285.0	1.322704	Y



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FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 Calibration End Date: 12/21/2023 12:23 Calibration ID: 95508

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0045					Ave		0.0045						20.0			
PCB-1221 Peak 2	0.0077					Ave		0.0077						20.0			
PCB-1221 Peak 3	0.0052					Ave		0.0052						20.0			
PCB-1221 Peak 4	0.0192					Ave		0.0192						20.0			
PCB-1221 Peak 5	0.0020					Ave		0.0020						20.0			
PCB-1221 Peak 6	0.0043					Ave		0.0043						20.0			
PCB-1221 Peak 7	0.0022					Ave		0.0022						20.0			
PCB-1221 Peak 8	0.0014					Ave		0.0014						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 | Calibration End Date: 12/21/2023 12:23 | Calibration ID: 95508

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	10786897					1000				
PCB-1221 Peak 2	BNB	Ave	18422276					1000				
PCB-1221 Peak 3	BNB	Ave	12448941					1000				
PCB-1221 Peak 4	BNB	Ave	45754964					1000				
PCB-1221 Peak 5	BNB	Ave	4818974					1000				
PCB-1221 Peak 6	BNB	Ave	10376432					1000				
PCB-1221 Peak 7	BNB	Ave	5221601					1000				
PCB-1221 Peak 8	BNB	Ave	3430002					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:23:13 ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:56 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.441	1.441	0.000	47784110	20.0	20.0	M
2	1.227	1.227	0.000	43818560	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.855	1.855	0.000	10786897	1000.0	1000.0	M
1	2.677	2.677	0.000	18422276	1000.0	1000.0	
1	2.842	2.842	0.000	12448941	1000.0	1000.0	M
1	2.912	2.912	0.000	45754964	1000.0	1000.0	M
1	3.457	3.457	0.000	4818974	1000.0	1000.0	
1	3.948	3.948	0.000	10376432	1000.0	1000.0	M
1	4.113	4.113	0.000	5221601	1000.0	1000.0	M
1	4.237	4.237	0.000	3430002	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.407	1.407	0.000	15194154	1000.0	1000.0	M
2	2.009	2.009	0.000	25462578	1000.0	1000.0	
2	2.150	2.150	0.000	13443406	1000.0	1000.0	
2	2.188	2.188	0.000	55417844	1000.0	1000.0	
2	2.550	2.550	0.000	7452346	1000.0	1000.0	
2	2.670	2.670	0.000	7521662	1000.0	1000.0	
2	3.031	3.031	0.000	13137928	1000.0	1000.0	
2	3.177	3.177	0.000	5475921	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

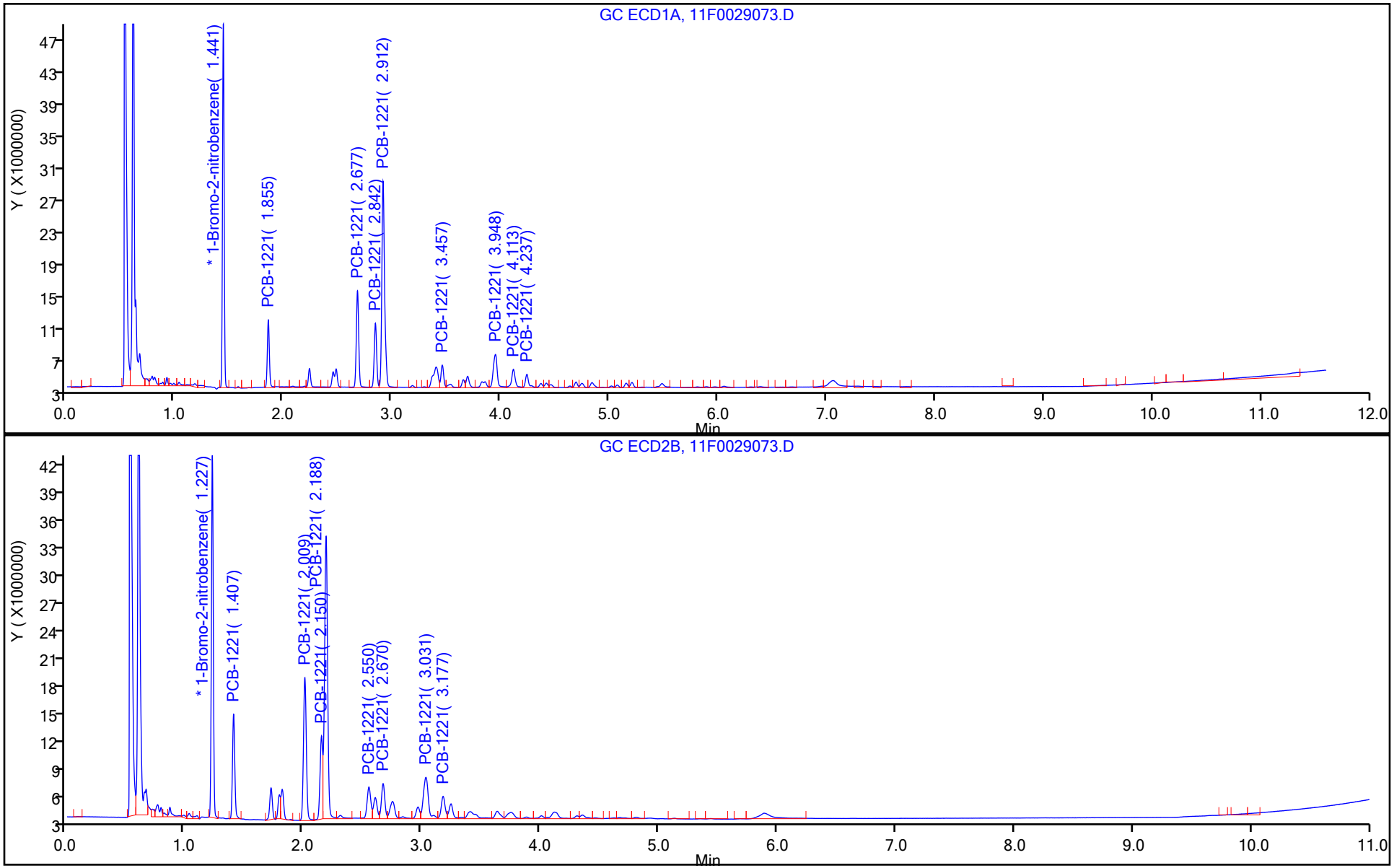
SG1221L4_00034	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:56 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D

Injection Date:	21-Dec-2023 12:23:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



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Manual Integration/User Assign Peak Report

Eurofins Edison

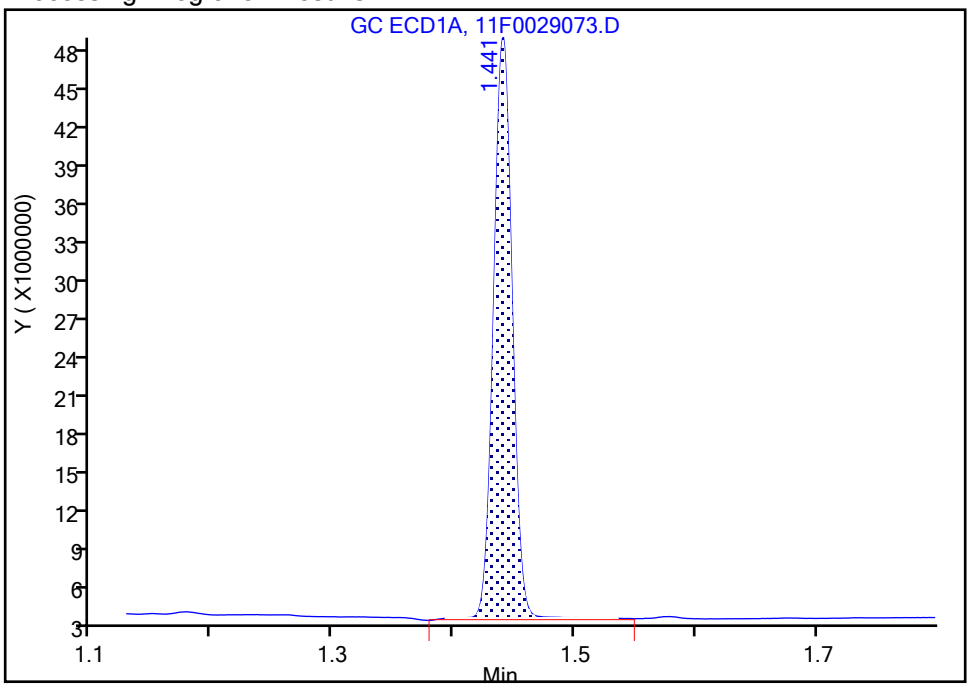
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

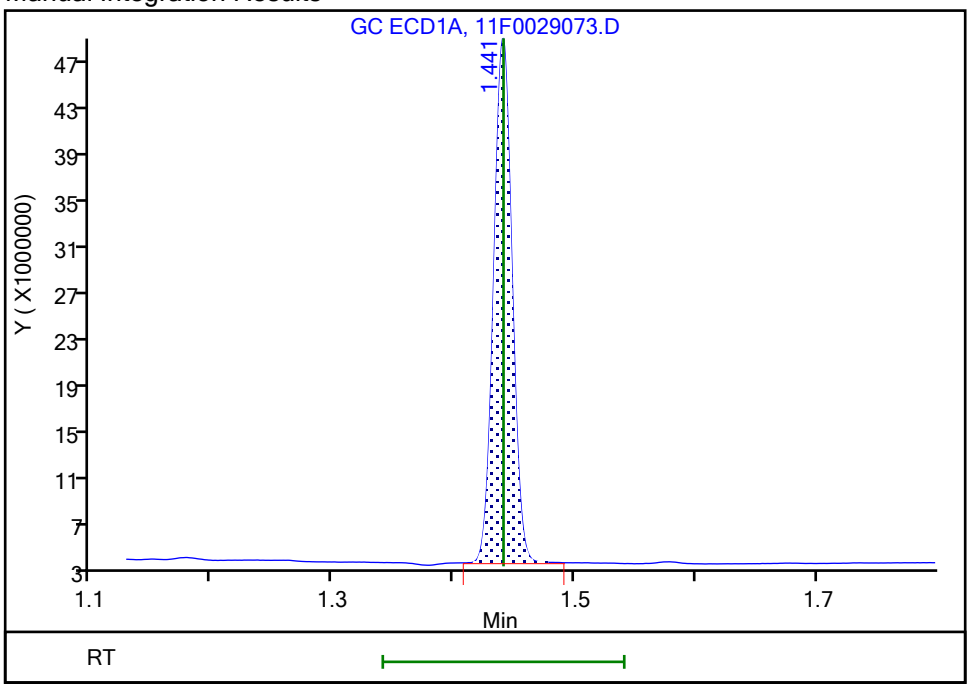
Processing Integration Results

RT: 1.44
Area: 49040806
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 47784110
Amount: 20.000000
Amount Units: ug/l



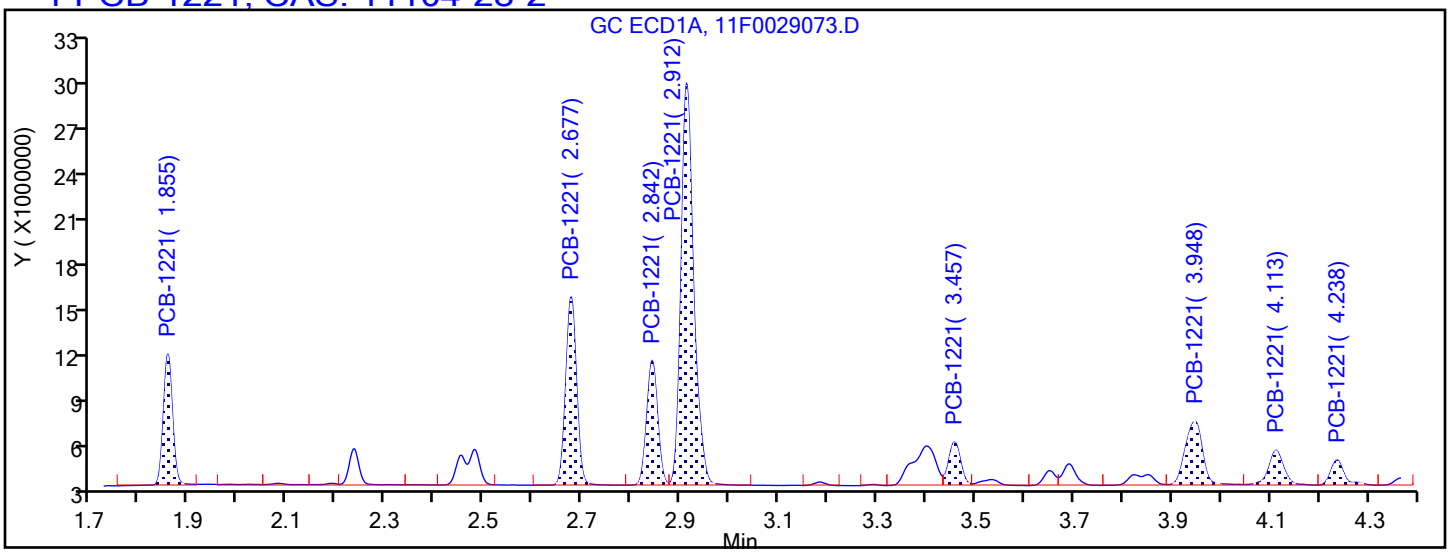
Reviewer: OR9X, 21-Dec-2023 14:19:42 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

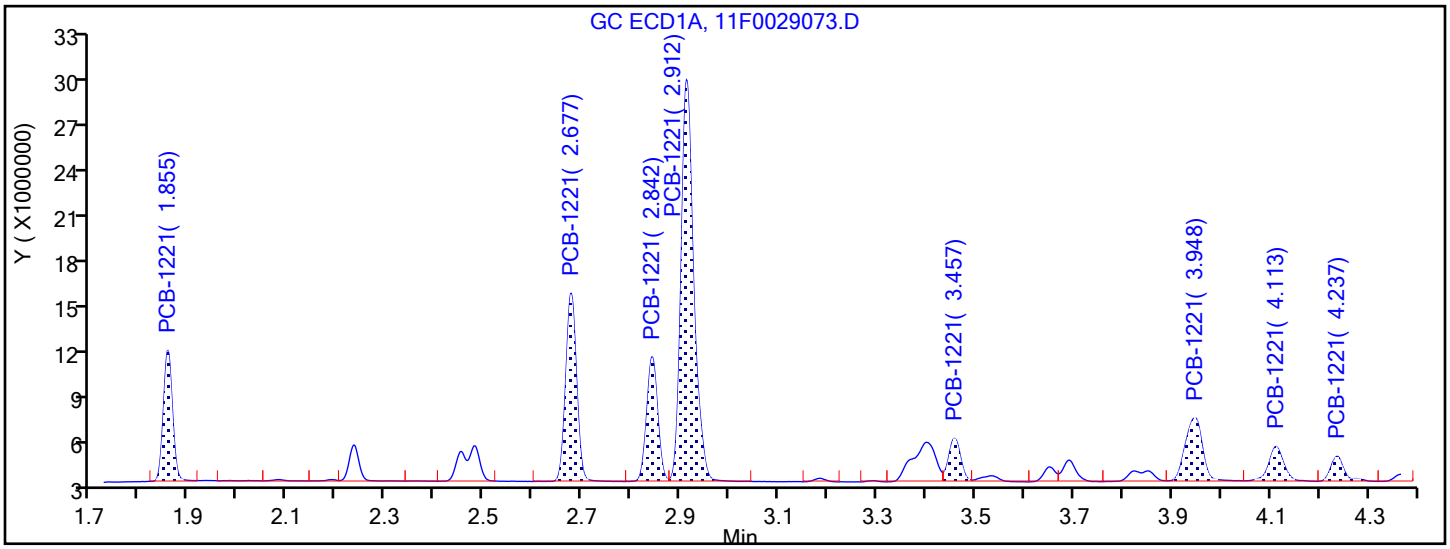
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.855	Response = 11064563
2.677	Response = 18422276
2.842	Response = 12405227
2.912	Response = 45633894
3.457	Response = 4818974
3.948	Response = 10229551
4.113	Response = 5073726
4.238	Response = 3316202



Manual Integration Results

1.855	Response = 10786897	M
2.677	Response = 18422276	
2.842	Response = 12448941	M
2.912	Response = 45754964	M
3.457	Response = 4818974	
3.948	Response = 10376432	M

Calibration / PCB-1221 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

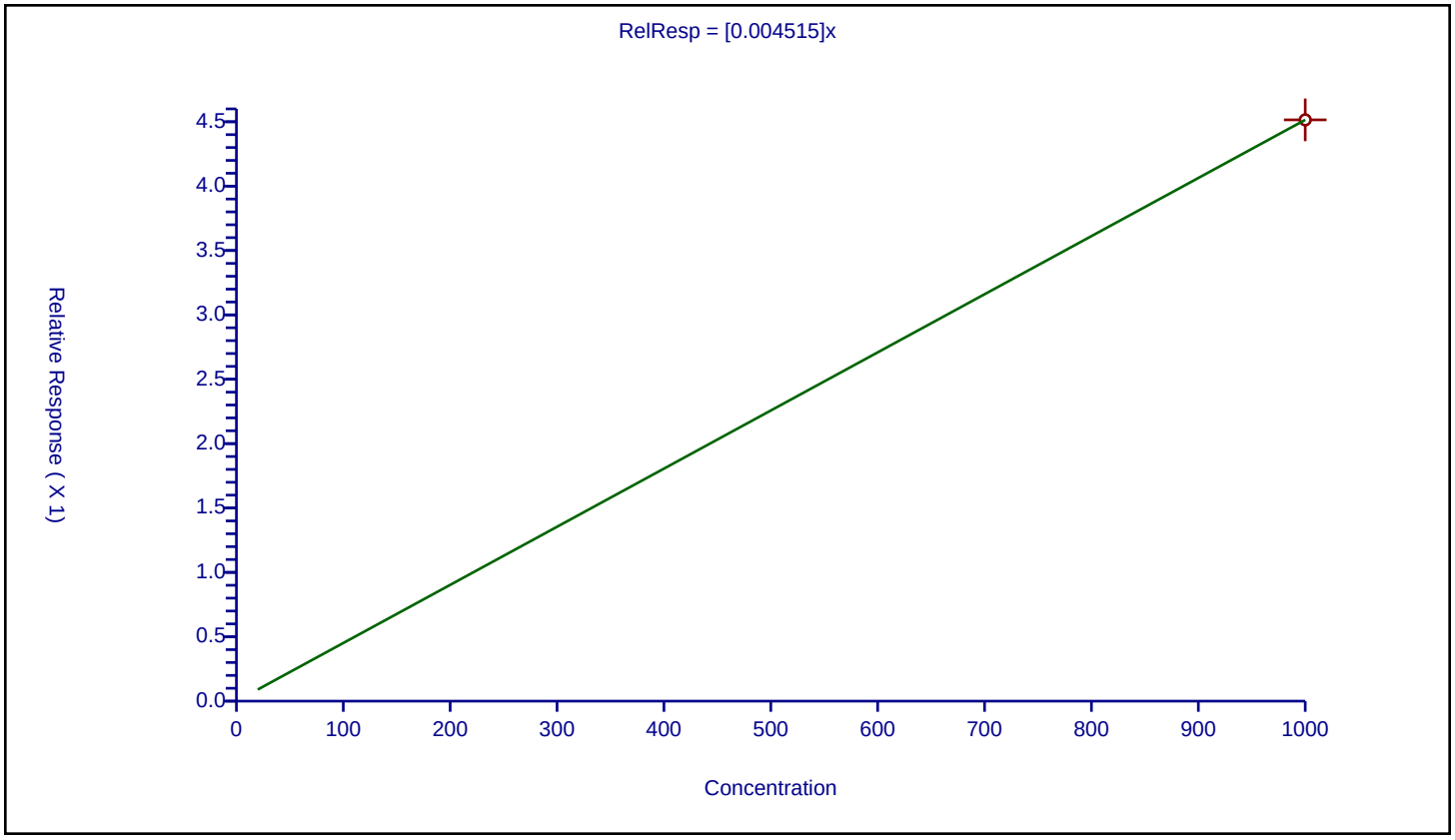
Curve Coefficients

Intercept:	0
Slope:	0.004515

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	4.514847	20.0	47784110.0	0.004515	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

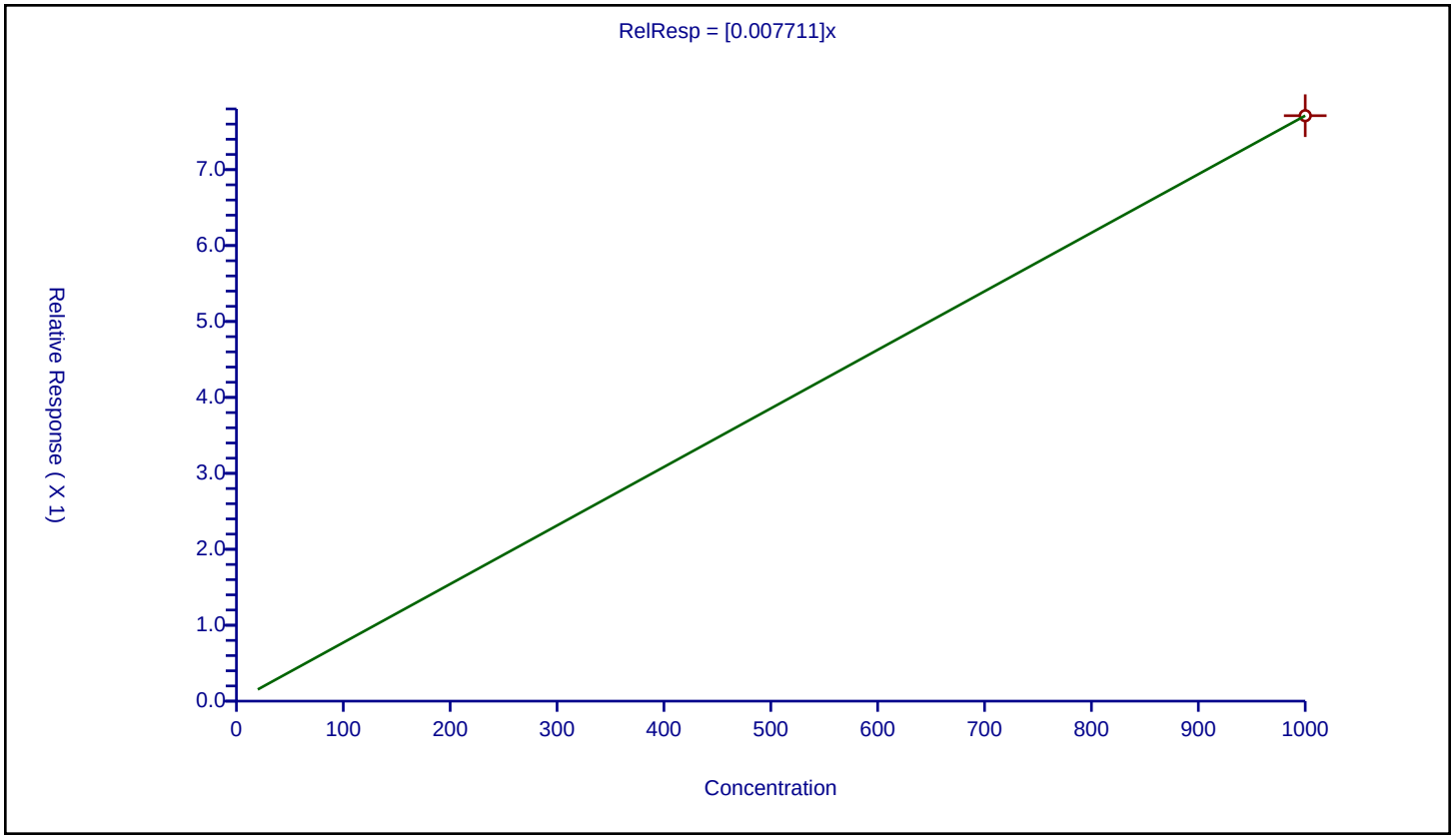
Curve Coefficients

Intercept:	0
Slope:	0.007711

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	7.710628	20.0	47784110.0	0.007711	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

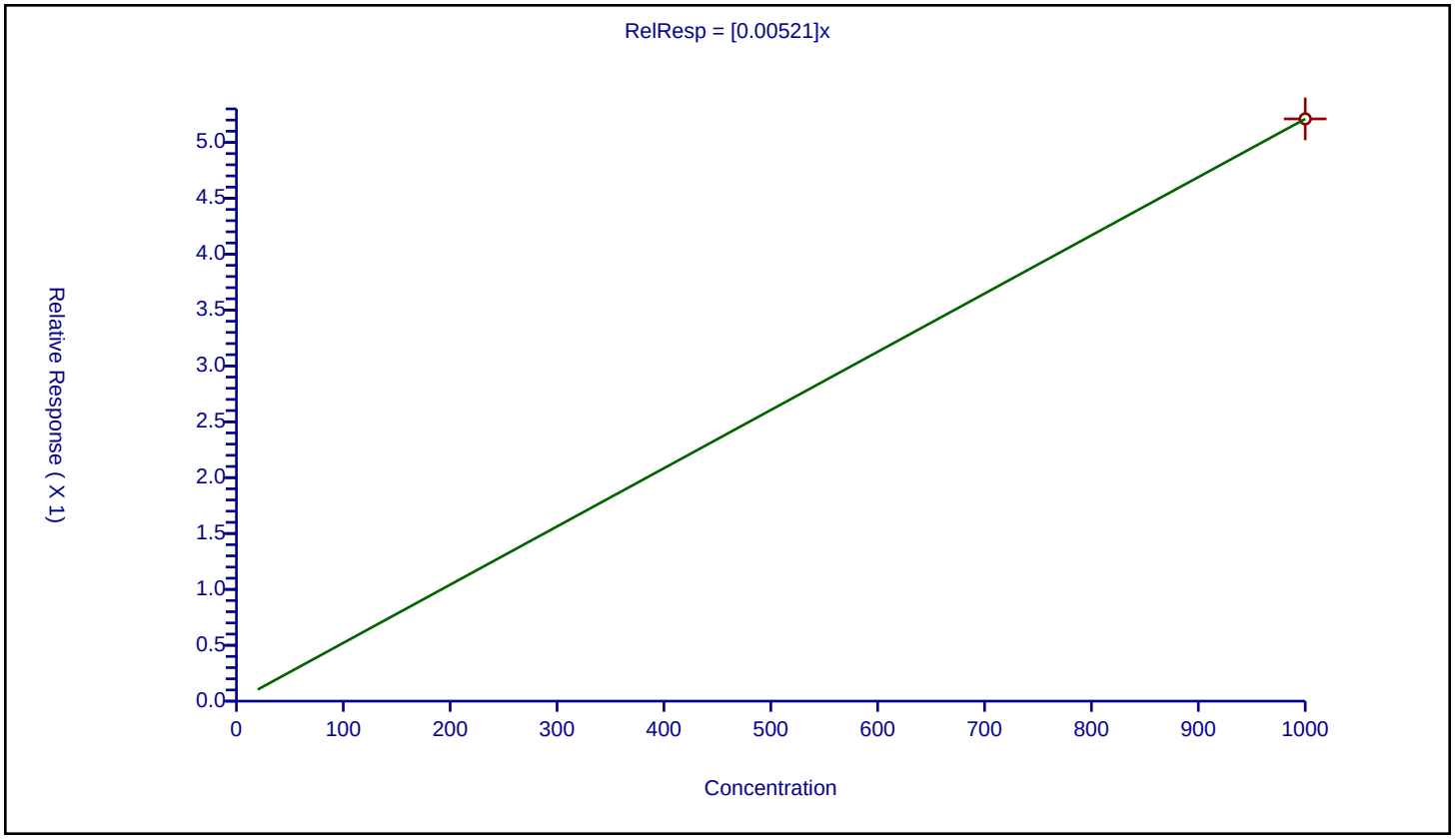
Curve Coefficients

Intercept:	0
Slope:	0.00521

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	5.210494	20.0	47784110.0	0.00521	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

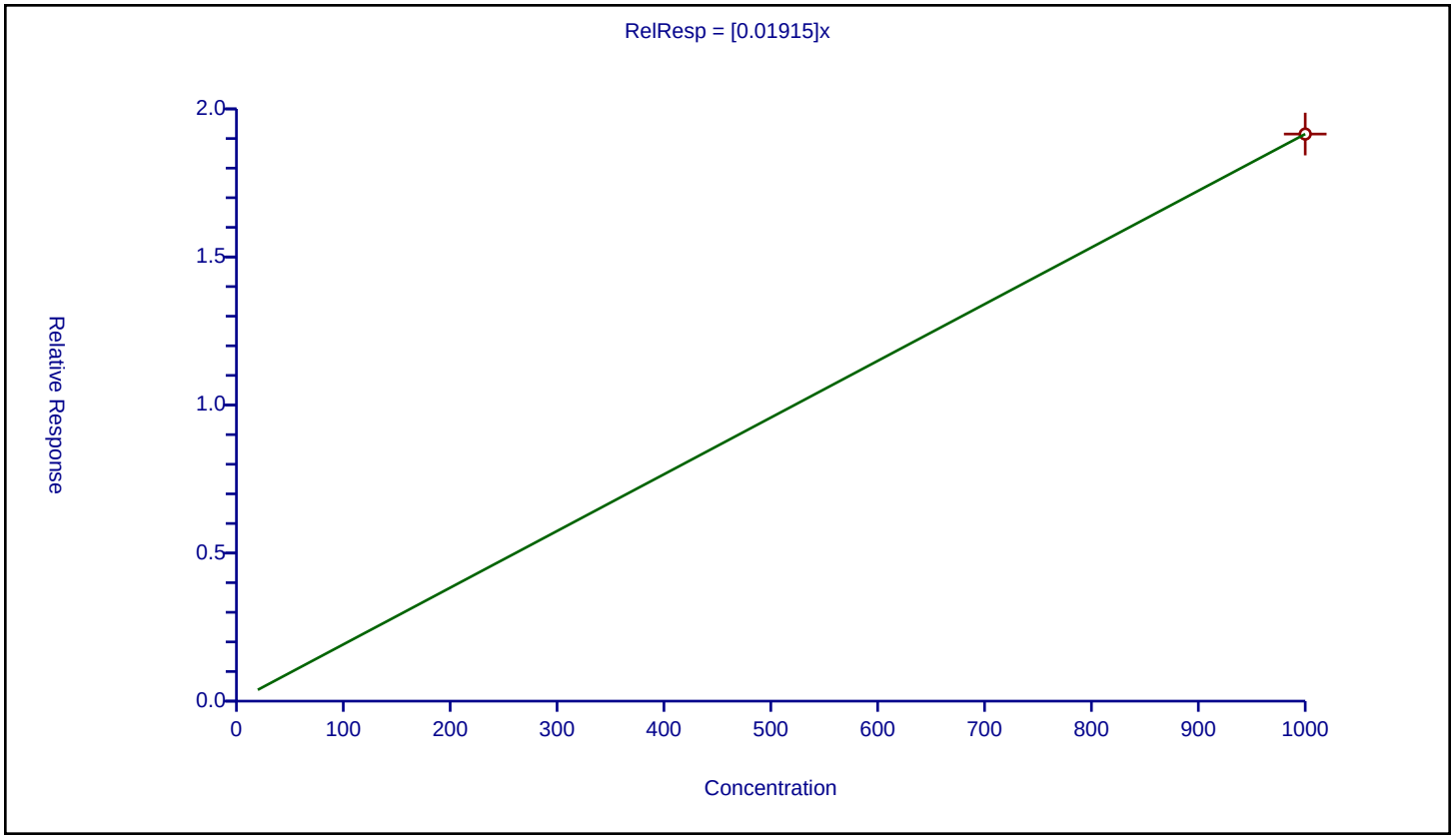
Curve Coefficients

Intercept:	0
Slope:	0.01915

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	19.150703	20.0	47784110.0	0.019151	Y



Calibration / PCB-1221 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

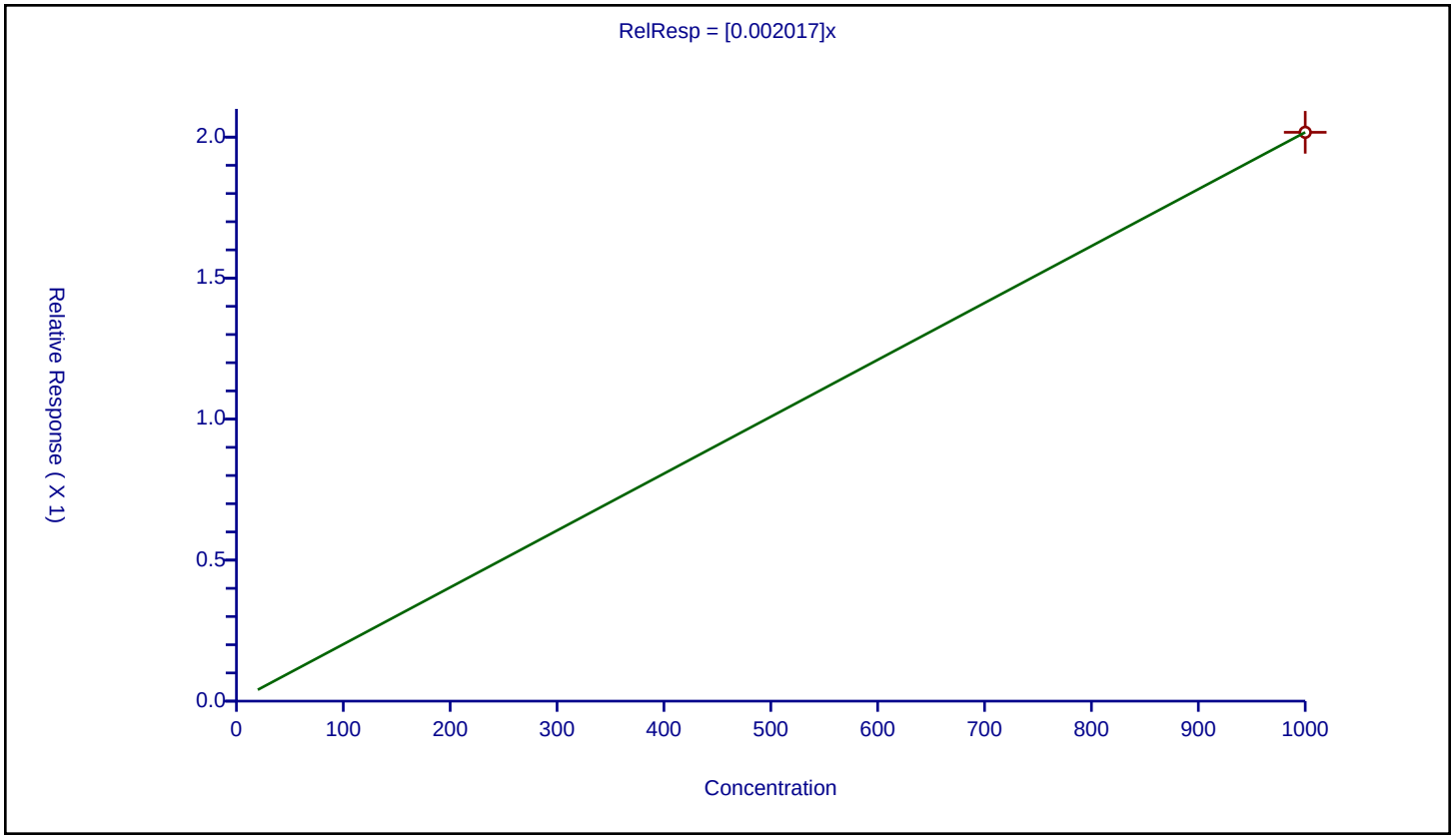
Curve Coefficients

Intercept:	0
Slope:	0.002017

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.016978	20.0	47784110.0	0.002017	Y



Calibration / PCB-1221 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

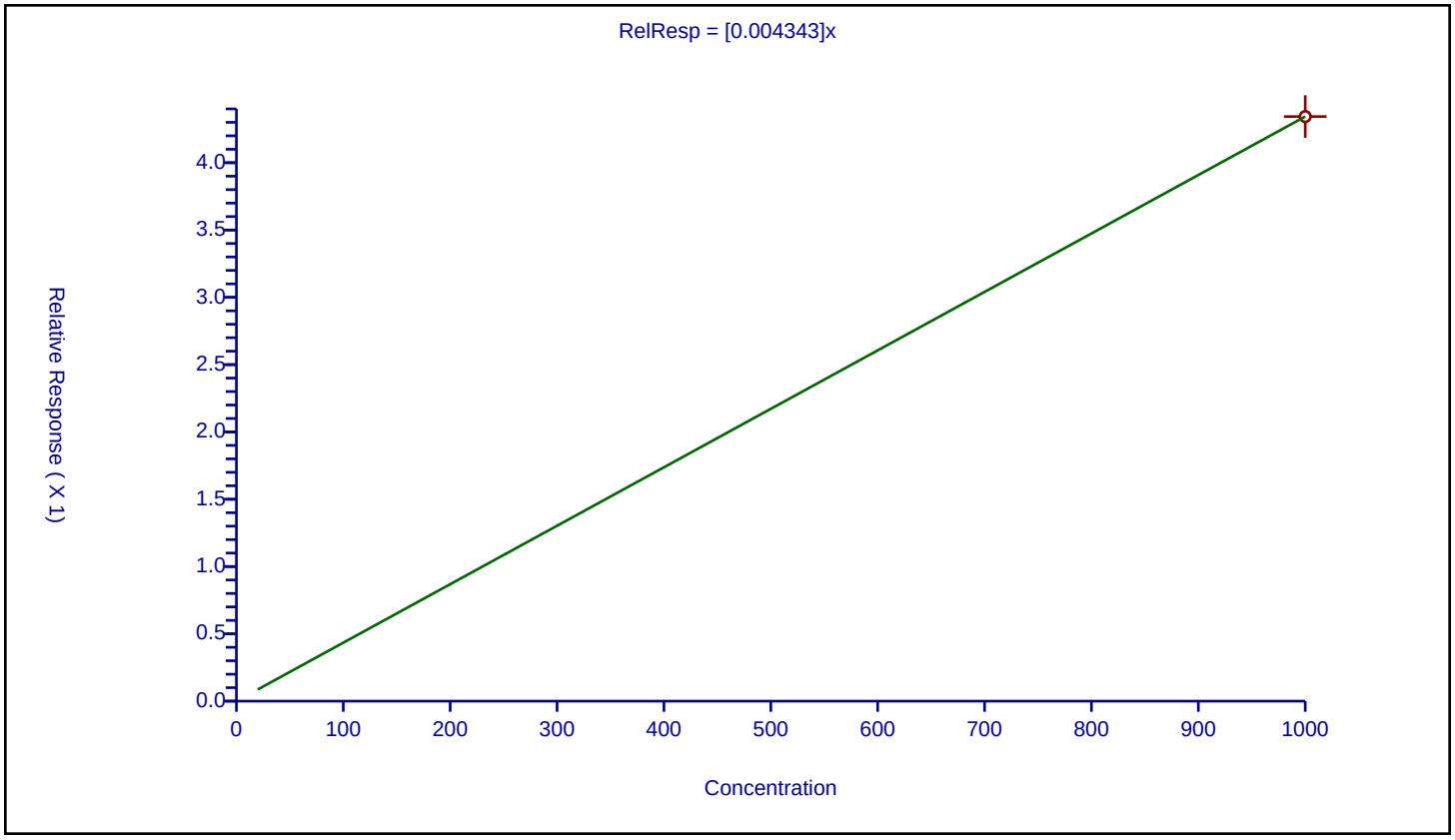
Curve Coefficients

Intercept:	0
Slope:	0.004343

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	4.343047	20.0	47784110.0	0.004343	Y



Calibration / PCB-1221 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

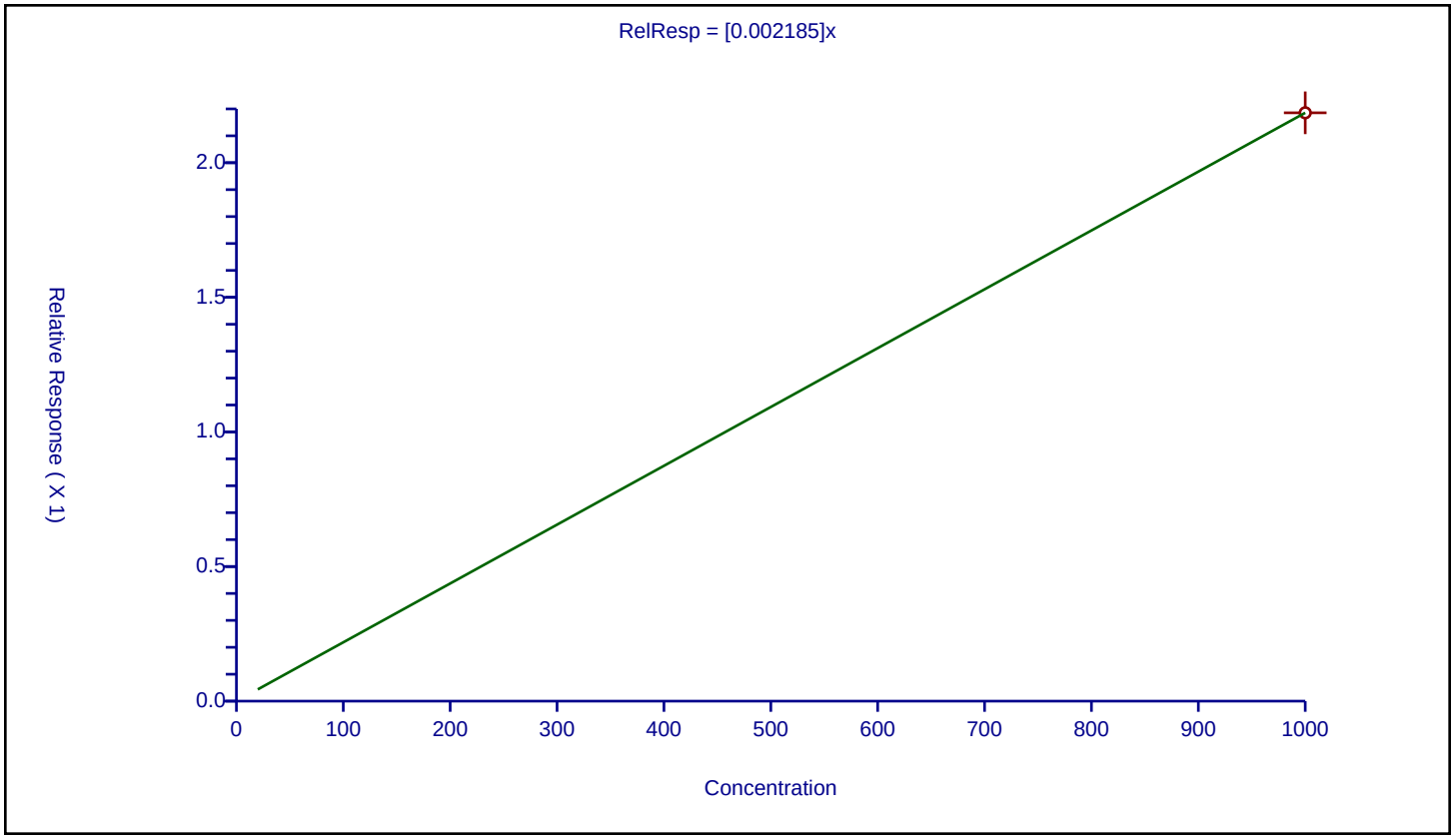
Curve Coefficients

Intercept:	0
Slope:	0.002185

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.185497	20.0	47784110.0	0.002185	Y



Calibration / PCB-1221 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

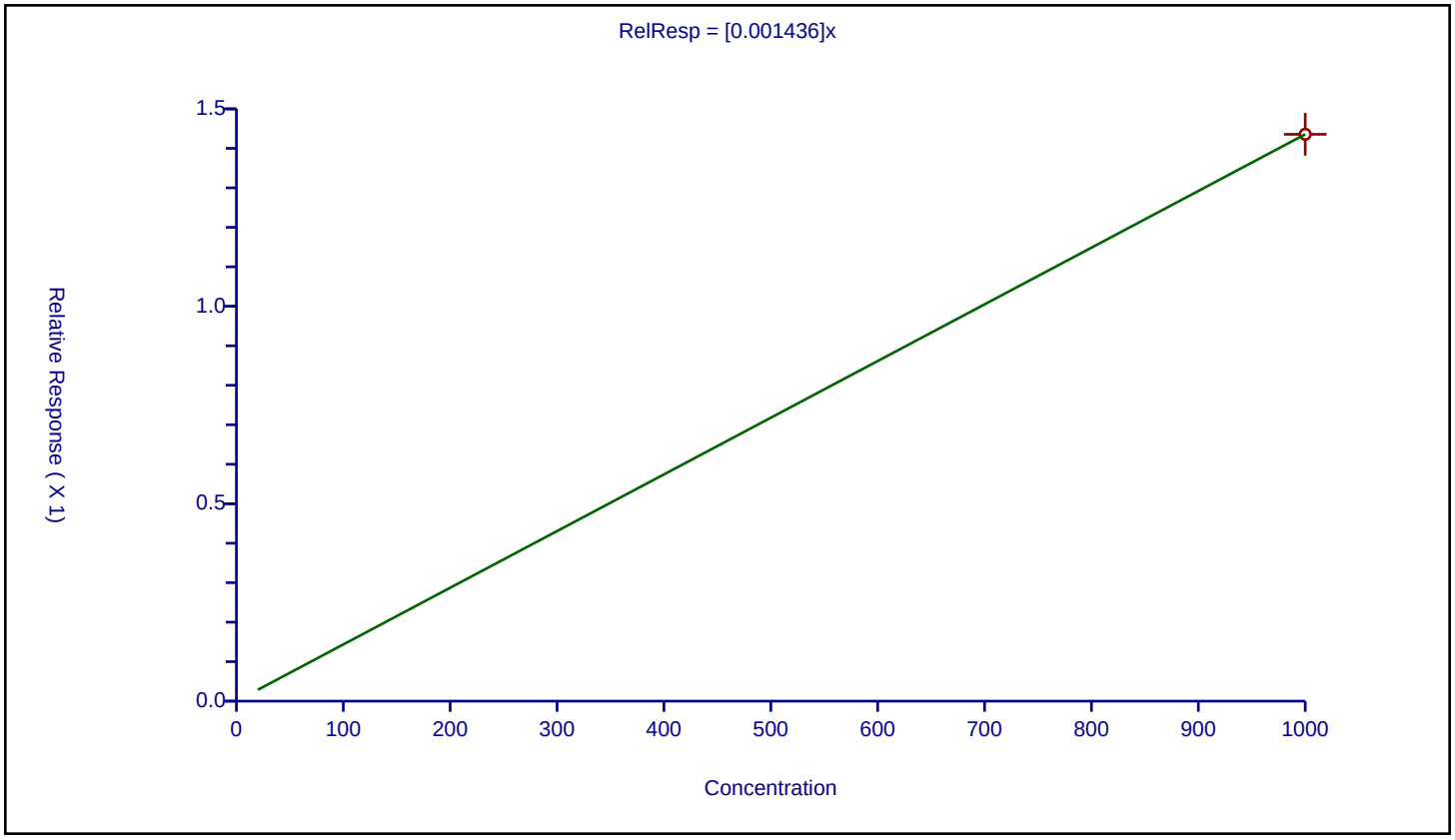
Curve Coefficients

Intercept:	0
Slope:	0.001436

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	1.435625	20.0	47784110.0	0.001436	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 Calibration End Date: 12/21/2023 12:23 Calibration ID: 95509

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1221 Peak 1	0.0069					Ave		0.0069						20.0			
PCB-1221 Peak 2	0.0116					Ave		0.0116						20.0			
PCB-1221 Peak 3	0.0061					Ave		0.0061						20.0			
PCB-1221 Peak 4	0.0253					Ave		0.0253						20.0			
PCB-1221 Peak 5	0.0034					Ave		0.0034						20.0			
PCB-1221 Peak 6	0.0034					Ave		0.0034						20.0			
PCB-1221 Peak 7	0.0060					Ave		0.0060						20.0			
PCB-1221 Peak 8	0.0025					Ave		0.0025						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:23 | Calibration End Date: 12/21/2023 12:23 | Calibration ID: 95509

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/8	11F0029073.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1221 Peak 1	BNB	Ave	15194154					1000				
PCB-1221 Peak 2	BNB	Ave	25462578					1000				
PCB-1221 Peak 3	BNB	Ave	13443406					1000				
PCB-1221 Peak 4	BNB	Ave	55417844					1000				
PCB-1221 Peak 5	BNB	Ave	7452346					1000				
PCB-1221 Peak 6	BNB	Ave	7521662					1000				
PCB-1221 Peak 7	BNB	Ave	13137928					1000				
PCB-1221 Peak 8	BNB	Ave	5475921					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Lims ID: IC 1221
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:23:13 ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-008
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub3

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:23:56 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:13:57

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.441	1.441	0.000	47784110	20.0	20.0	M
2	1.227	1.227	0.000	43818560	20.0	20.0	M
						RPD = 0.00	
1 PCB-1221							M
1	1.855	1.855	0.000	10786897	1000.0	1000.0	M
1	2.677	2.677	0.000	18422276	1000.0	1000.0	
1	2.842	2.842	0.000	12448941	1000.0	1000.0	M
1	2.912	2.912	0.000	45754964	1000.0	1000.0	M
1	3.457	3.457	0.000	4818974	1000.0	1000.0	
1	3.948	3.948	0.000	10376432	1000.0	1000.0	M
1	4.113	4.113	0.000	5221601	1000.0	1000.0	M
1	4.237	4.237	0.000	3430002	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	1.407	1.407	0.000	15194154	1000.0	1000.0	M
2	2.009	2.009	0.000	25462578	1000.0	1000.0	
2	2.150	2.150	0.000	13443406	1000.0	1000.0	
2	2.188	2.188	0.000	55417844	1000.0	1000.0	
2	2.550	2.550	0.000	7452346	1000.0	1000.0	
2	2.670	2.670	0.000	7521662	1000.0	1000.0	
2	3.031	3.031	0.000	13137928	1000.0	1000.0	
2	3.177	3.177	0.000	5475921	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

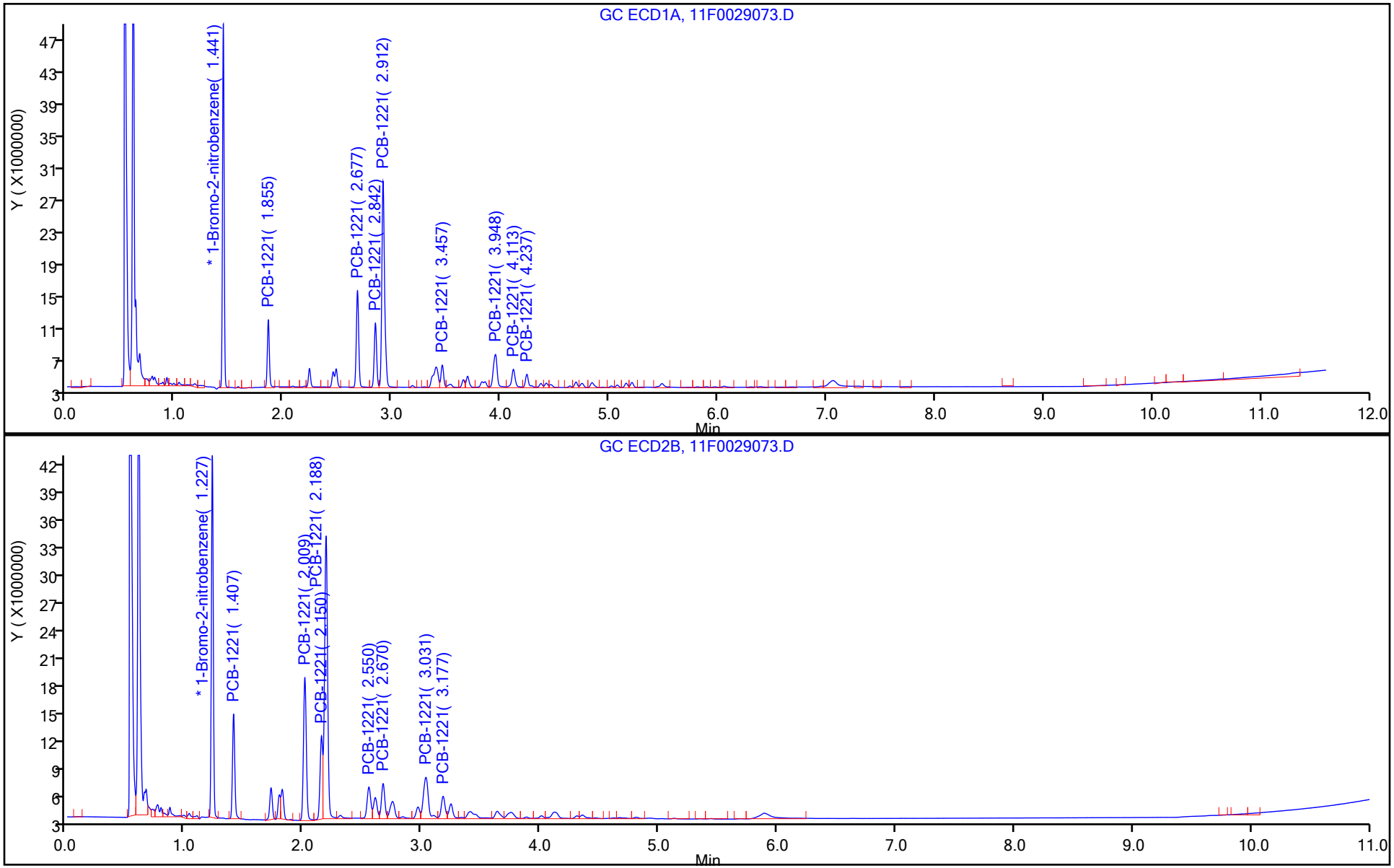
SG1221L4_00034	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D

Injection Date:	21-Dec-2023 12:23:13	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1221			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

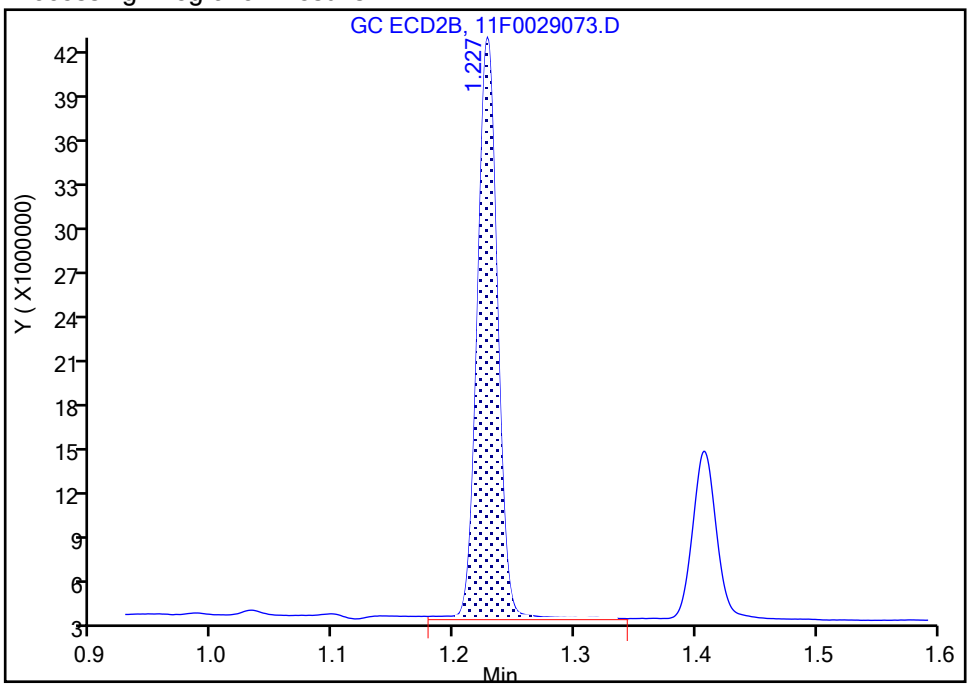
Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D				
Injection Date:	21-Dec-2023 12:23:13	Instrument ID:	CPESTGC11		
Lims ID:	IC 1221				
Client ID:					
Operator ID:		ALS Bottle#:	24	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		
Column:		Detector	GC ECD2B		

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

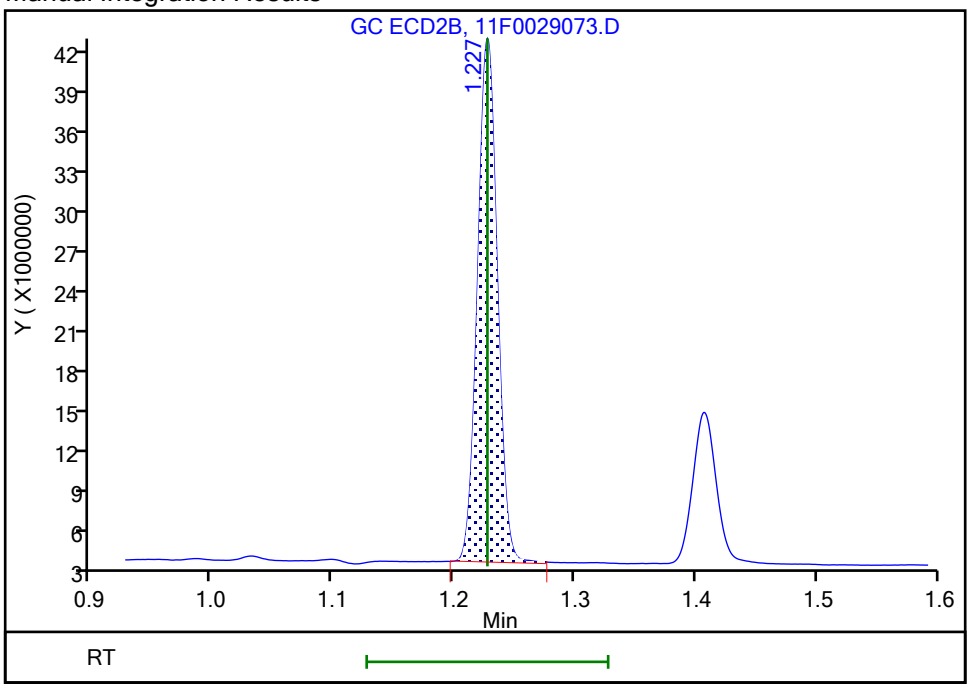
Processing Integration Results

RT: 1.23
Area: 44894270
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 43818560
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 14:19:48 -05:00:00 (UTC)

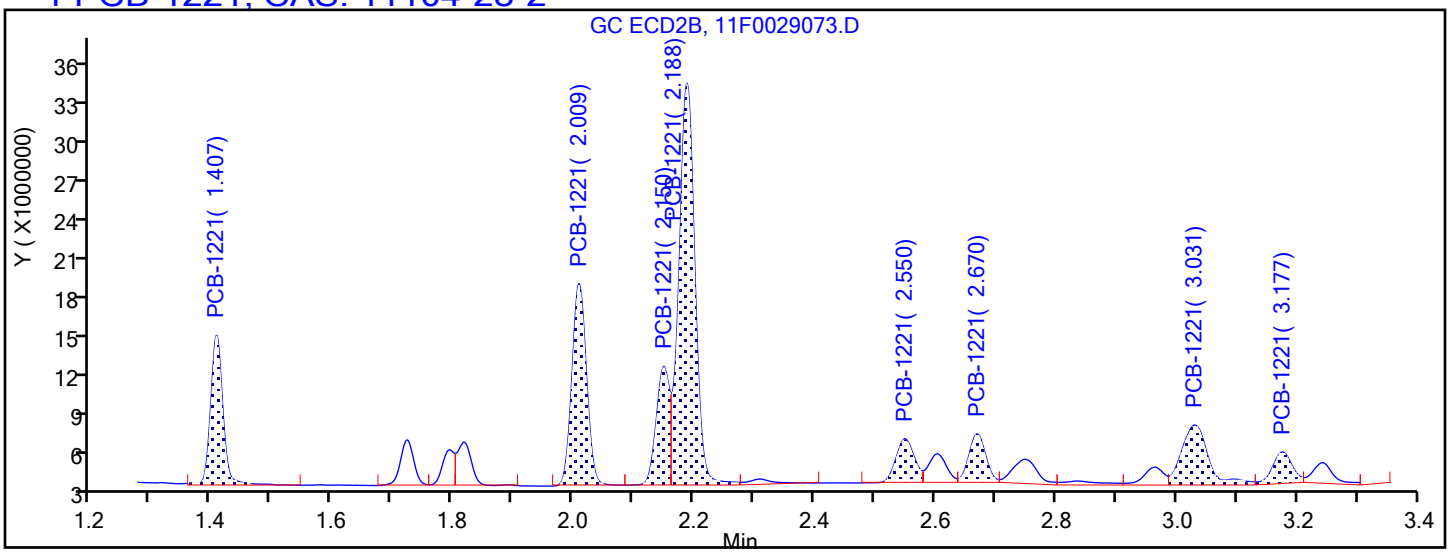
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:23:57 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

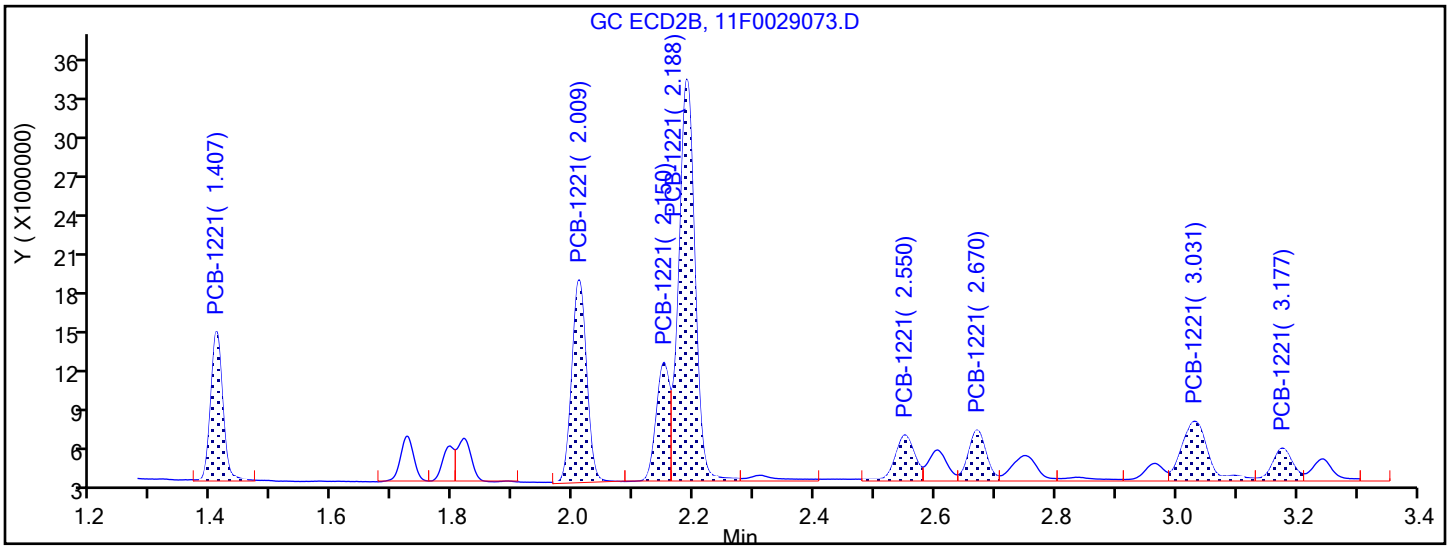
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029073.D
Injection Date: 21-Dec-2023 12:23:13 Instrument ID: CPESTGC11
Lims ID: IC 1221
Client ID:
Operator ID: ALS Bottle#: 24 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

1 PCB-1221, CAS: 11104-28-2



Processing Integration Results

1.407	Response = 15490211
2.009	Response = 25462578
2.150	Response = 13443406
2.188	Response = 55417844
2.550	Response = 7452346
2.670	Response = 7521662
3.031	Response = 13137928
3.177	Response = 5475921



Manual Integration Results

1.407	Response = 15194154	M
2.009	Response = 25462578	
2.150	Response = 13443406	
2.188	Response = 55417844	
2.550	Response = 7452346	
2.670	Response = 7521662	

Calibration / PCB-1221 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

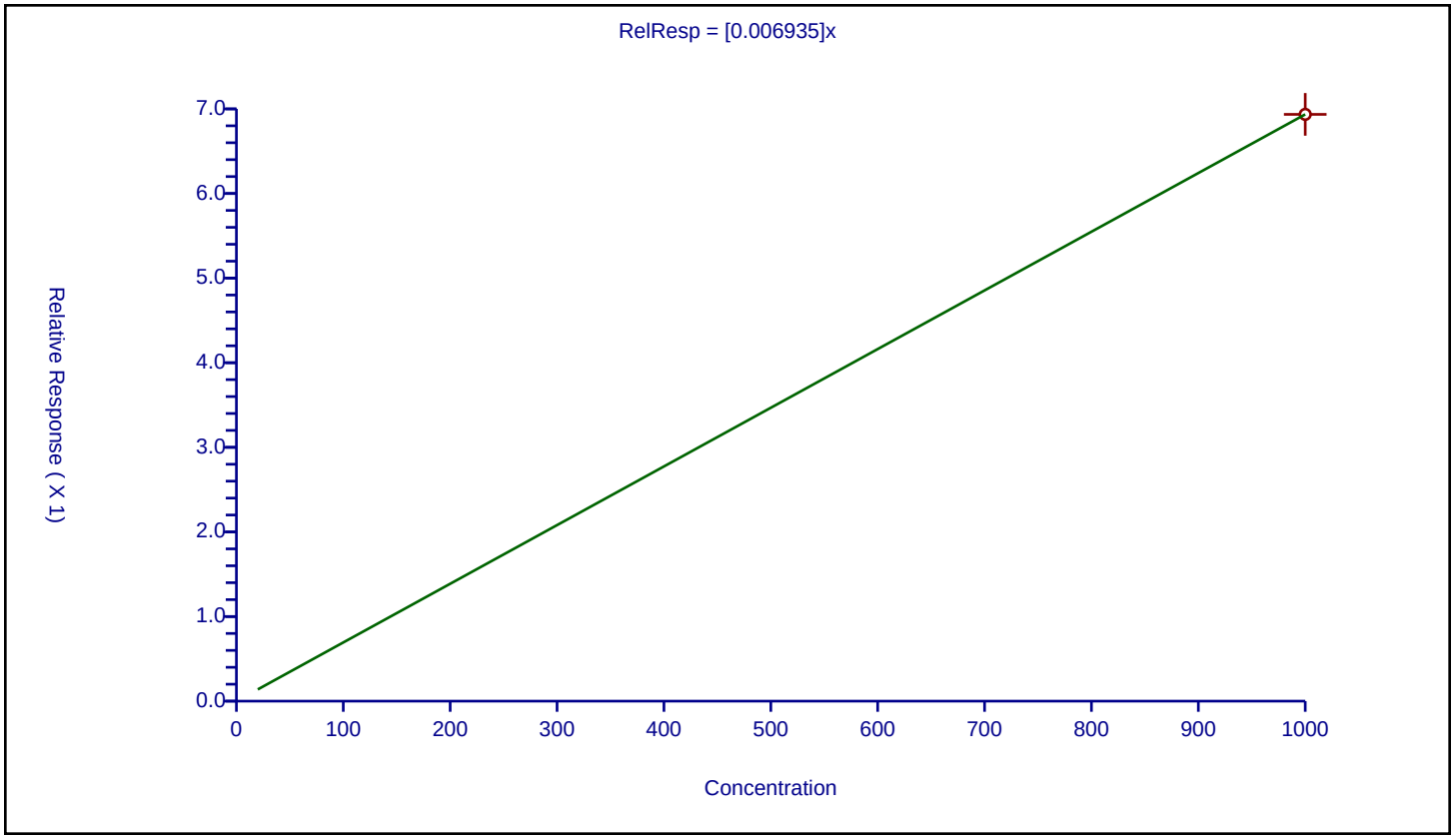
Curve Coefficients

Intercept:	0
Slope:	0.006935

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	6.935031	20.0	43818560.0	0.006935	Y



Calibration / PCB-1221 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

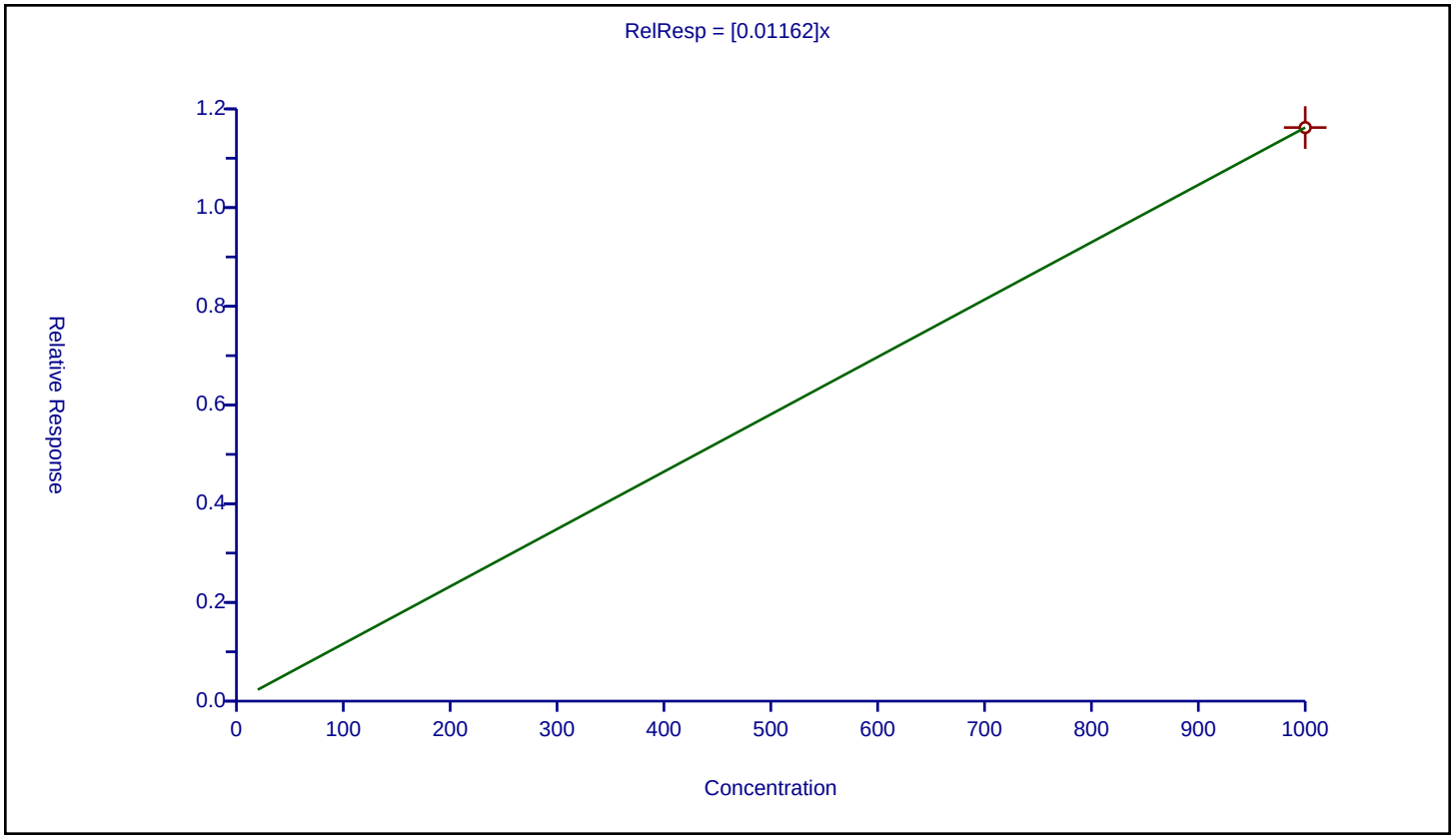
Curve Coefficients

Intercept:	0
Slope:	0.01162

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	11.621823	20.0	43818560.0	0.011622	Y



Calibration / PCB-1221 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

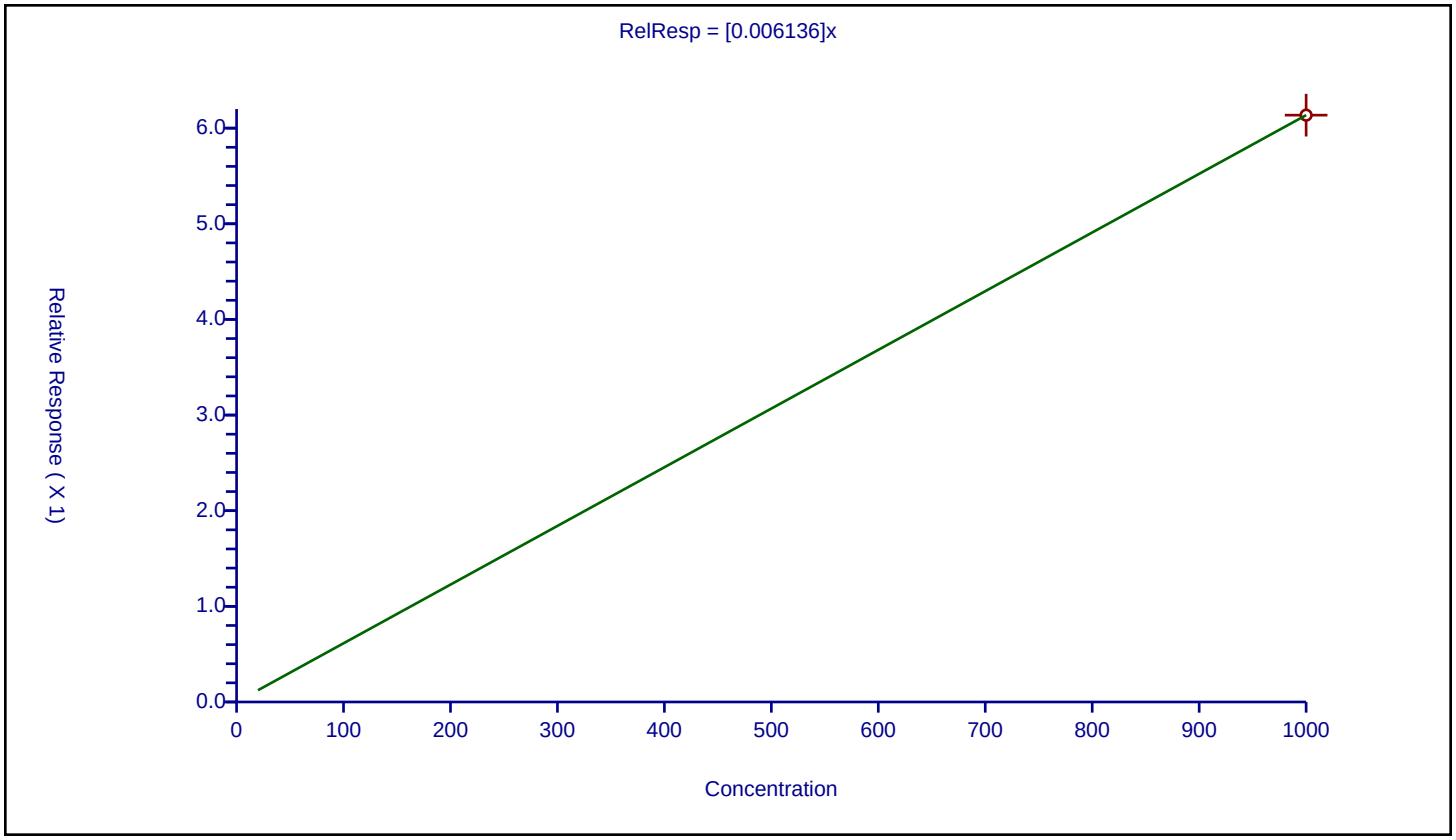
Curve Coefficients

Intercept:	0
Slope:	0.006136

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	6.135941	20.0	43818560.0	0.006136	Y



Calibration / PCB-1221 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

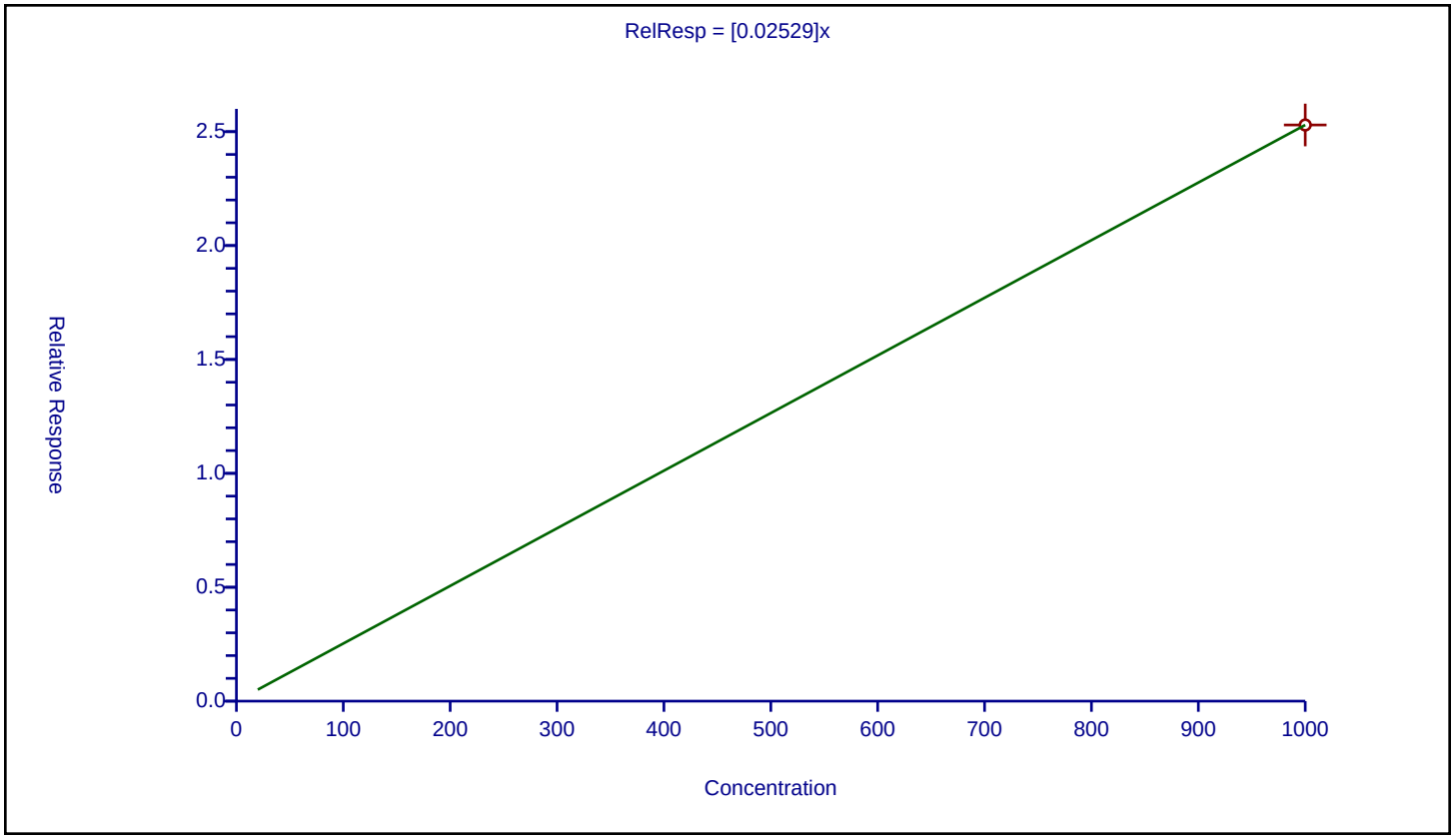
Curve Coefficients

Intercept:	0
Slope:	0.02529

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	25.294233	20.0	43818560.0	0.025294	Y



Calibration / PCB-1221 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

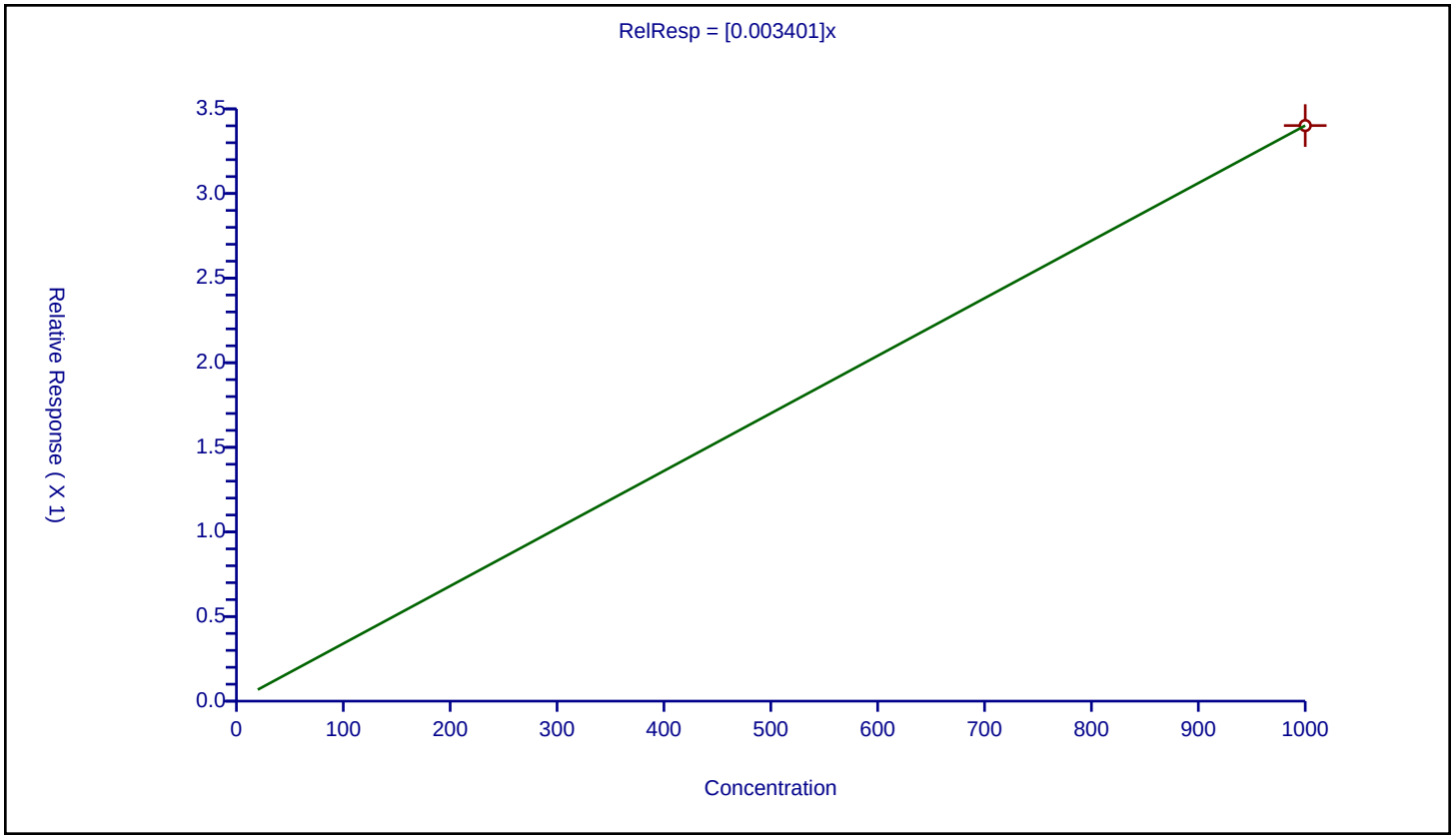
Curve Coefficients

Intercept:	0
Slope:	0.003401

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	3.401456	20.0	43818560.0	0.003401	Y



Calibration / PCB-1221 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

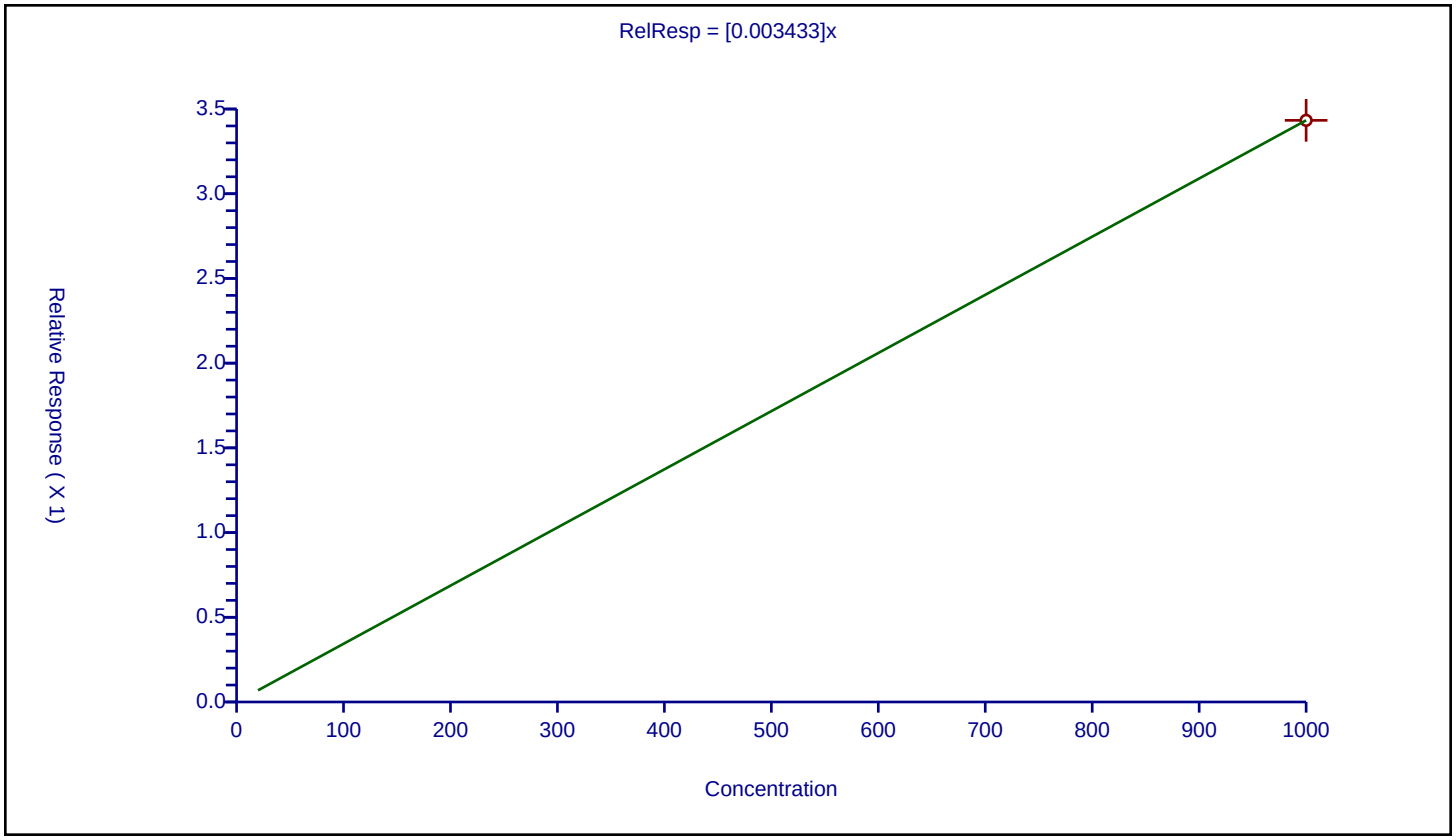
Curve Coefficients

Intercept:	0
Slope:	0.003433

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	3.433094	20.0	43818560.0	0.003433	Y



Calibration / PCB-1221 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

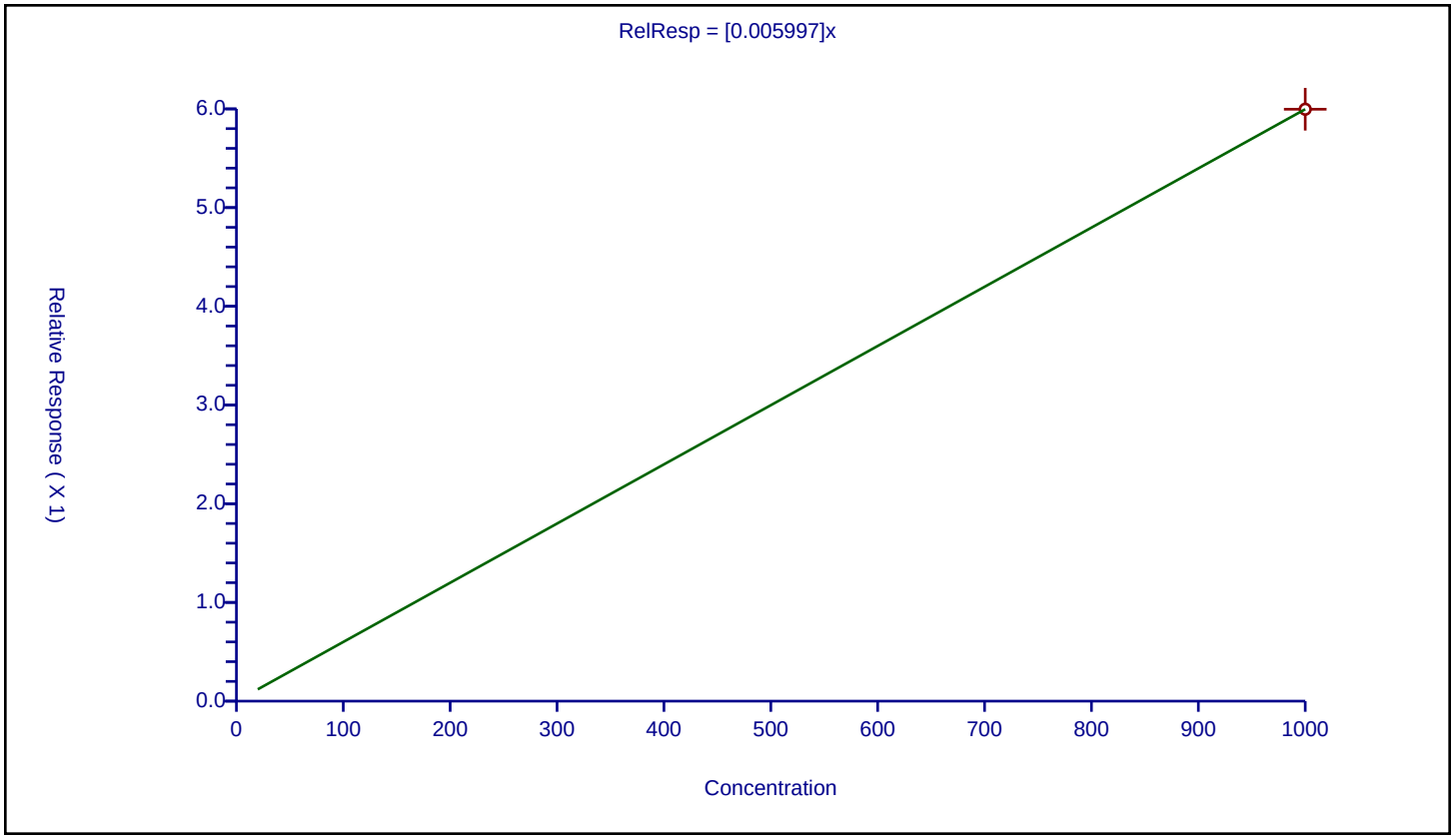
Curve Coefficients

Intercept:	0
Slope:	0.005997

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	5.996513	20.0	43818560.0	0.005997	Y



Calibration / PCB-1221 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

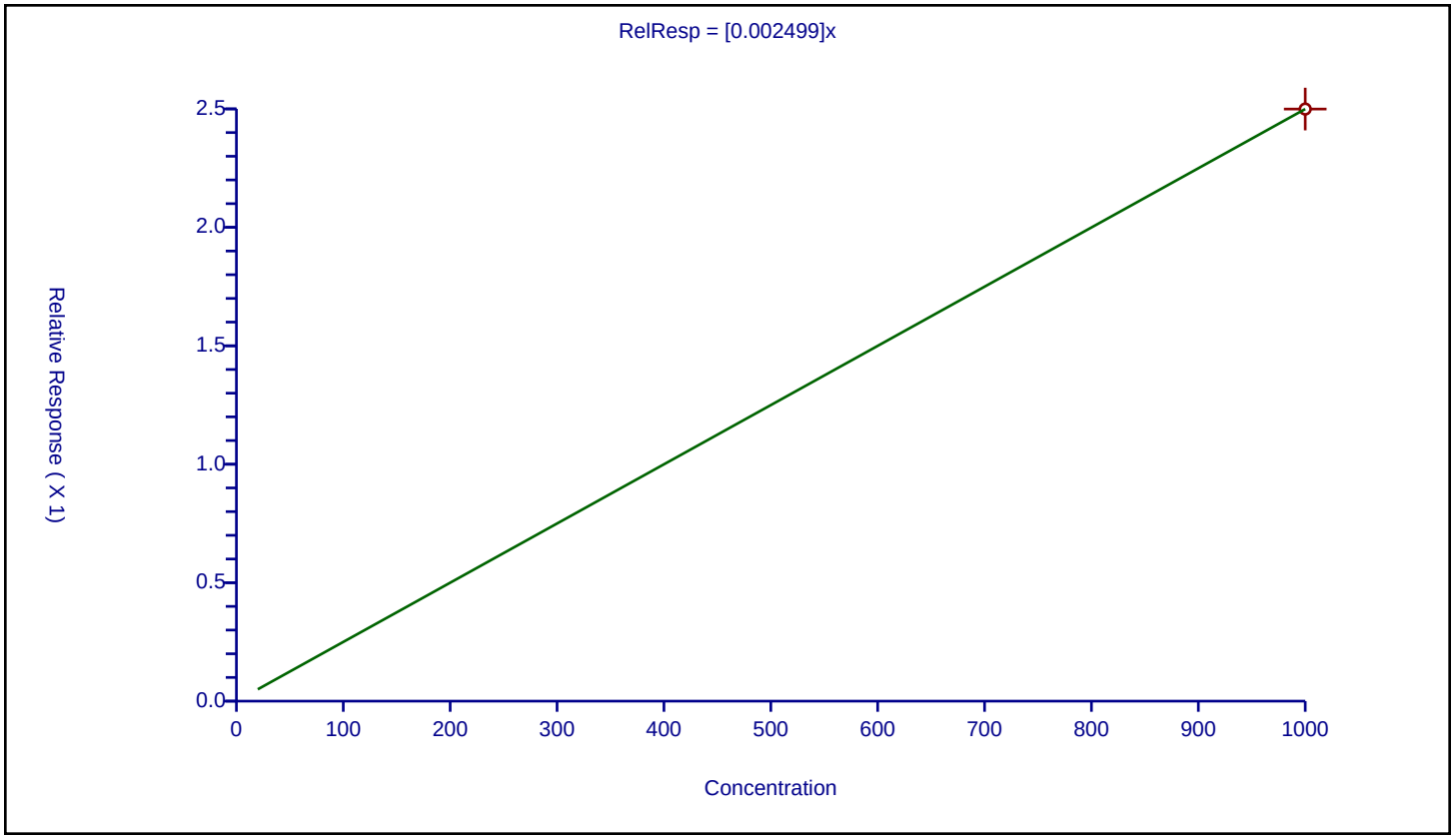
Curve Coefficients

Intercept:	0
Slope:	0.002499

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/8	1000.0	2.499361	20.0	43818560.0	0.002499	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 Calibration End Date: 12/21/2023 12:39 Calibration ID: 95514

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0160					Ave		0.0160						20.0			
PCB-1232 Peak 2	0.0112					Ave		0.0112						20.0			
PCB-1232 Peak 3	0.0245					Ave		0.0245						20.0			
PCB-1232 Peak 4	0.0107					Ave		0.0107						20.0			
PCB-1232 Peak 5	0.0087					Ave		0.0087						20.0			
PCB-1232 Peak 6	0.0074					Ave		0.0074						20.0			
PCB-1232 Peak 7	0.0077					Ave		0.0077						20.0			
PCB-1232 Peak 8	0.0094					Ave		0.0094						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 | Calibration End Date: 12/21/2023 12:39 | Calibration ID: 95514

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	36797798					1000				
PCB-1232 Peak 2	BNB	Ave	25795592					1000				
PCB-1232 Peak 3	BNB	Ave	56451297					1000				
PCB-1232 Peak 4	BNB	Ave	24793857					1000				
PCB-1232 Peak 5	BNB	Ave	19972264					1000				
PCB-1232 Peak 6	BNB	Ave	17016664					1000				
PCB-1232 Peak 7	BNB	Ave	17729747					1000				
PCB-1232 Peak 8	BNB	Ave	21639647					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:39:53 ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:05 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:15:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	46131925	20.0	20.0	M
2	1.227	1.227	0.000	42183358	20.0	20.0	M
						RPD = 0.00	
3 PCB-1232							M
1	2.912	2.912	0.000	36797798	1000.0	1000.0	
1	3.400	3.400	0.000	25795592	1000.0	1000.0	M
1	3.946	3.946	0.000	56451297	1000.0	1000.0	M
1	4.113	4.113	0.000	24793857	1000.0	1000.0	M
1	4.237	4.237	0.000	19972264	1000.0	1000.0	M
1	4.690	4.690	0.000	17016664	1000.0	1000.0	M
1	5.151	5.151	0.000	17729747	1000.0	1000.0	M
1	5.206	5.206	0.000	21639647	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	45247606	1000.0	1000.0	
2	2.549	2.549	0.000	32127971	1000.0	1000.0	
2	2.750	2.750	0.000	22304643	1000.0	1000.0	
2	3.031	3.031	0.000	70019283	1000.0	1000.0	
2	3.176	3.176	0.000	29026423	1000.0	1000.0	
2	3.242	3.242	0.000	19310204	1000.0	1000.0	
2	3.634	3.634	0.000	28960158	1000.0	1000.0	
2	4.125	4.125	0.000	50062544	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

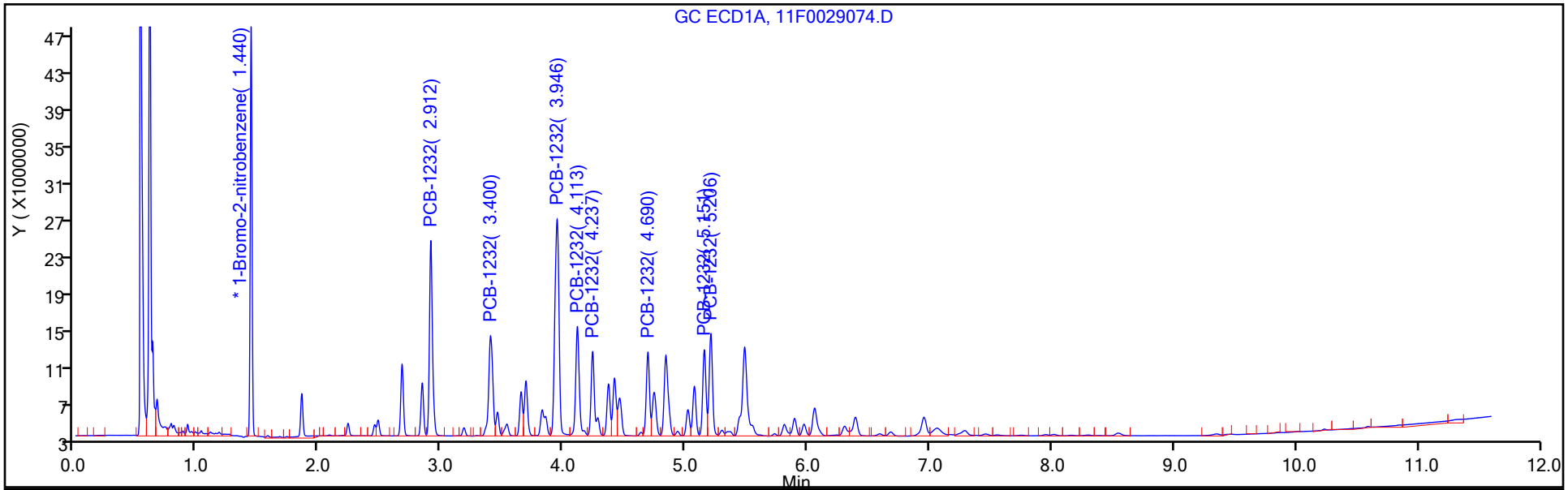
SG1232L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

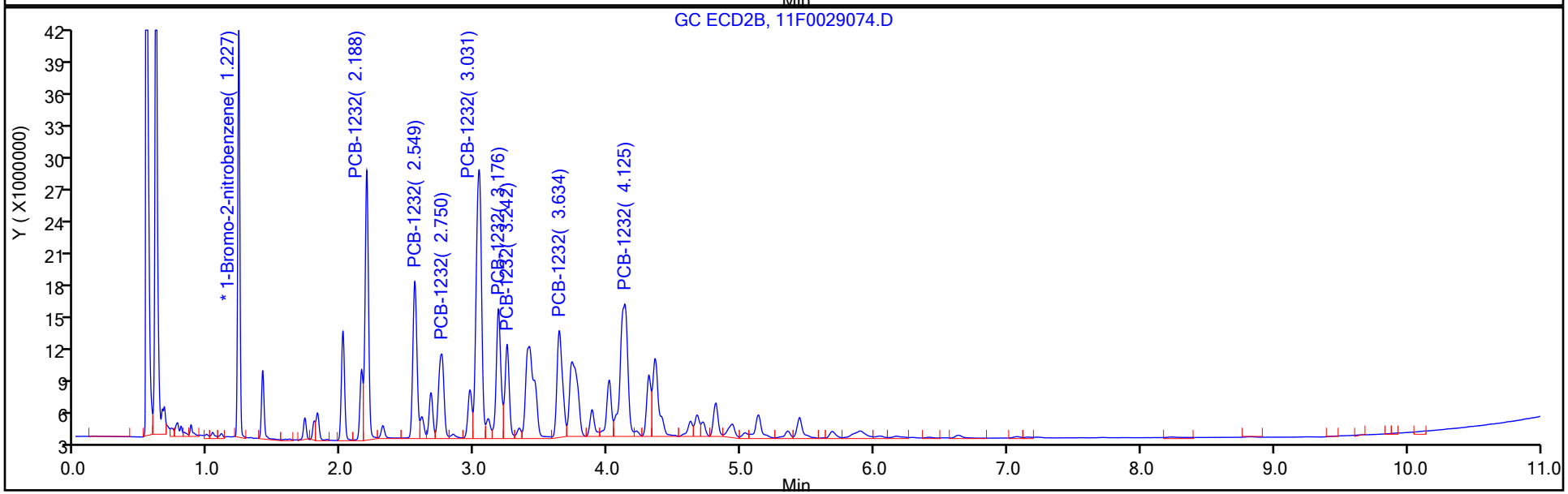
Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D

Injection Date:	21-Dec-2023 12:39:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison

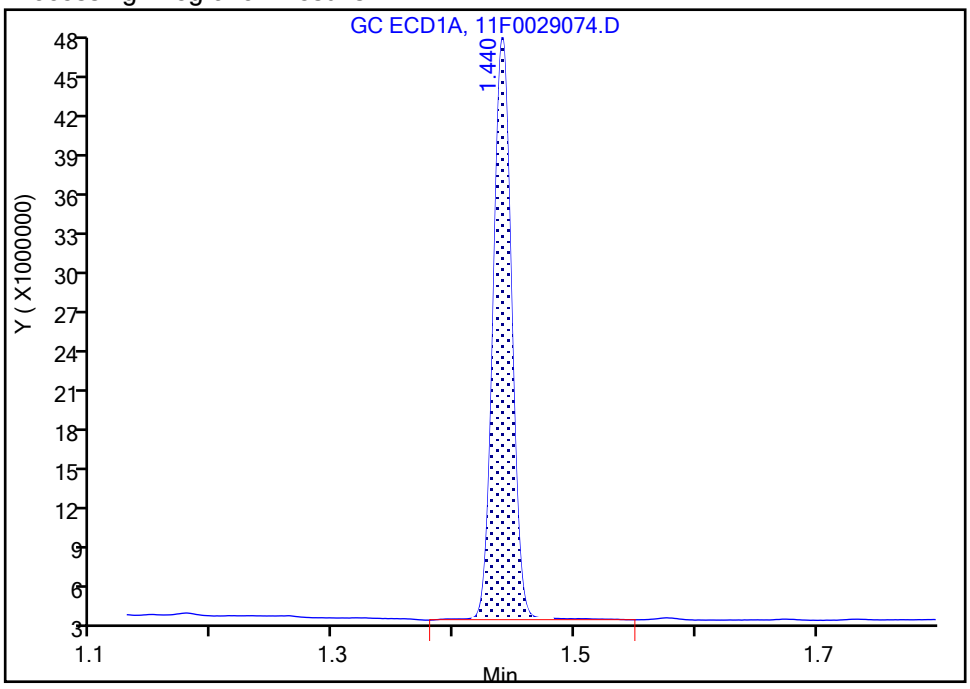
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

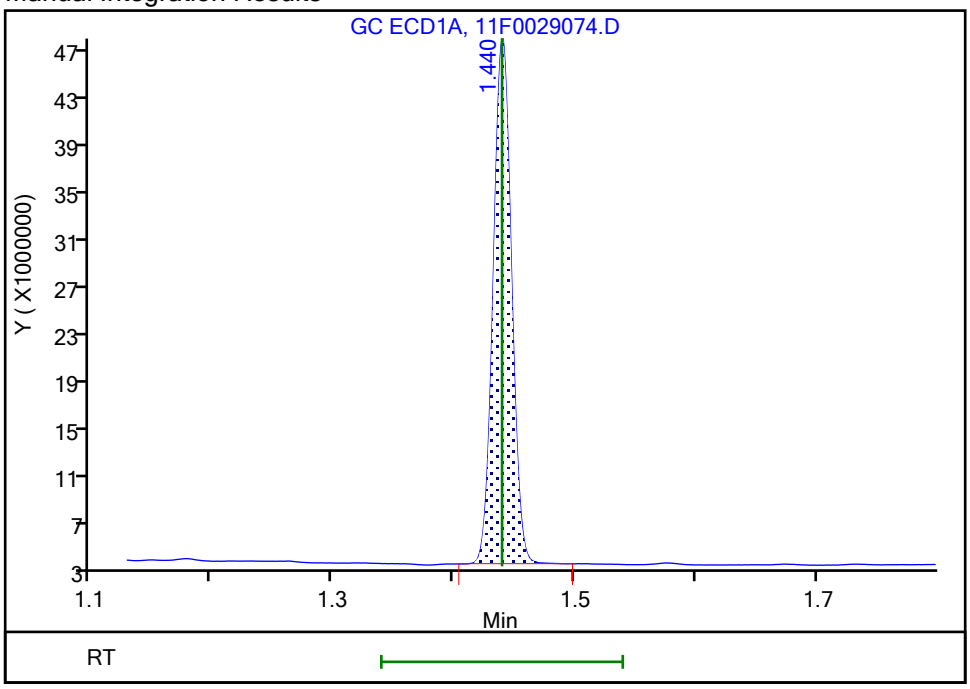
Processing Integration Results

RT: 1.44
Area: 46796054
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 46131925
Amount: 20.000000
Amount Units: ug/l



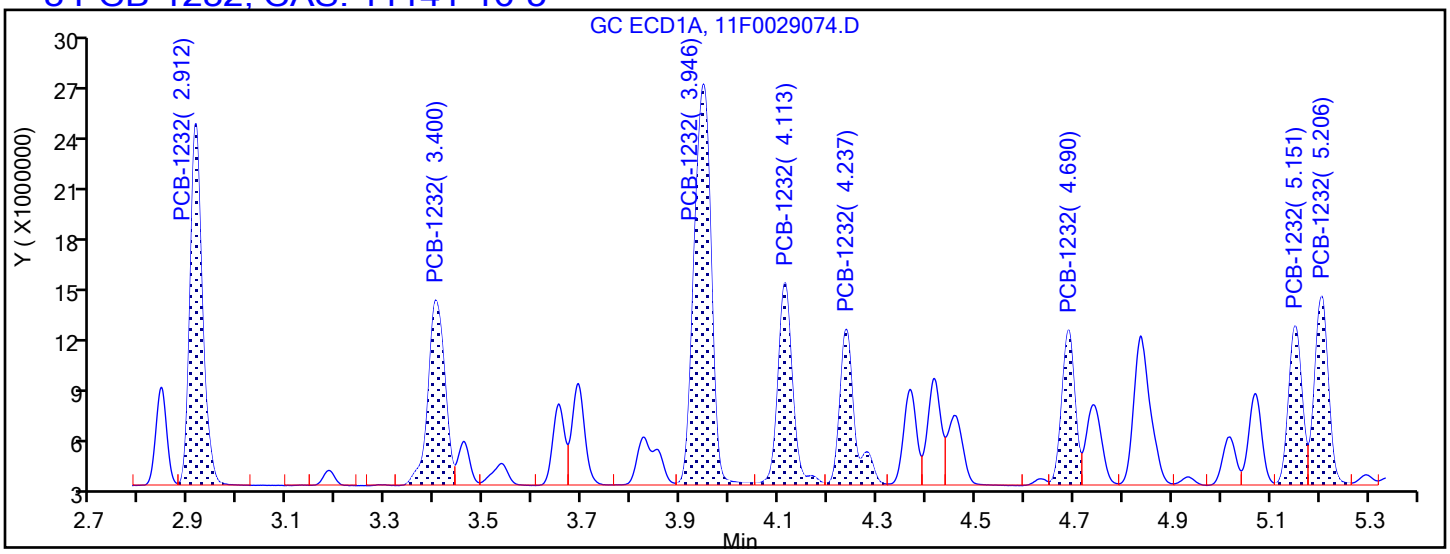
Reviewer: OR9X, 21-Dec-2023 14:19:21 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

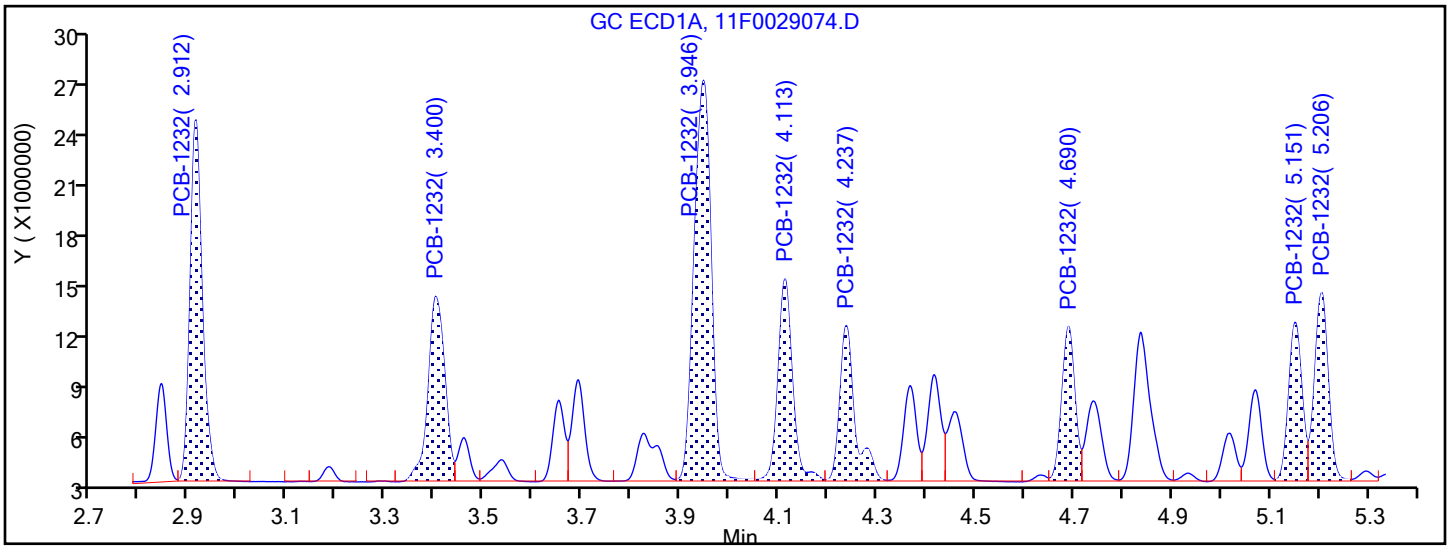
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

3 PCB-1232, CAS: 11141-16-5



Processing Integration Results

2.912	Response = 36797798
3.400	Response = 25654862
3.946	Response = 56112321
4.113	Response = 24447058
4.237	Response = 19624488
4.690	Response = 16765993
5.151	Response = 17430212
5.206	Response = 21243952



Manual Integration Results

2.912	Response = 36797798	
3.400	Response = 25795592	M
3.946	Response = 56451297	M
4.113	Response = 24793857	M
4.237	Response = 19972264	M
4.690	Response = 17016664	M

Calibration / PCB-1232 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

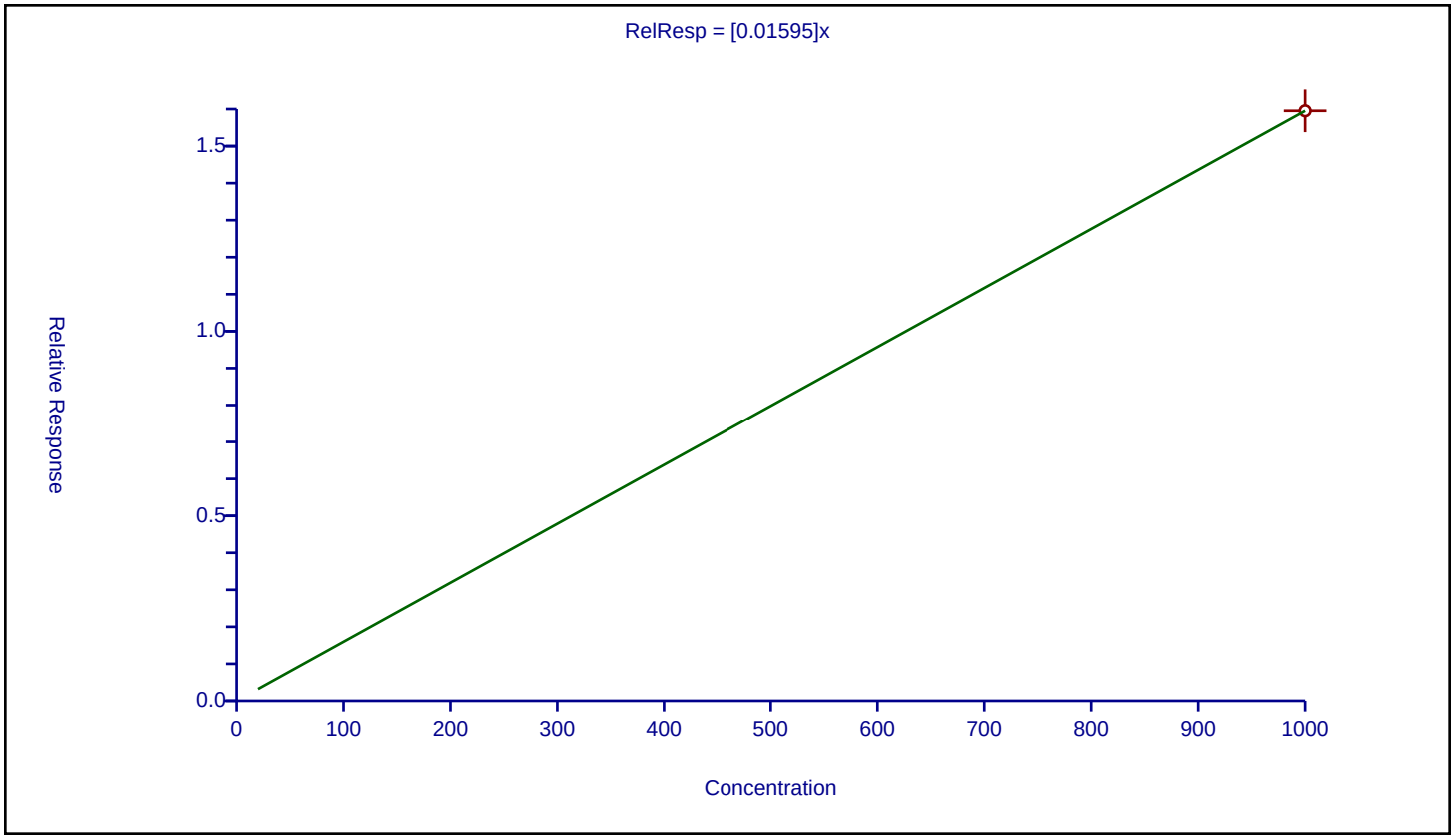
Curve Coefficients

Intercept:	0
Slope:	0.01595

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	15.95329	20.0	46131925.0	0.015953	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

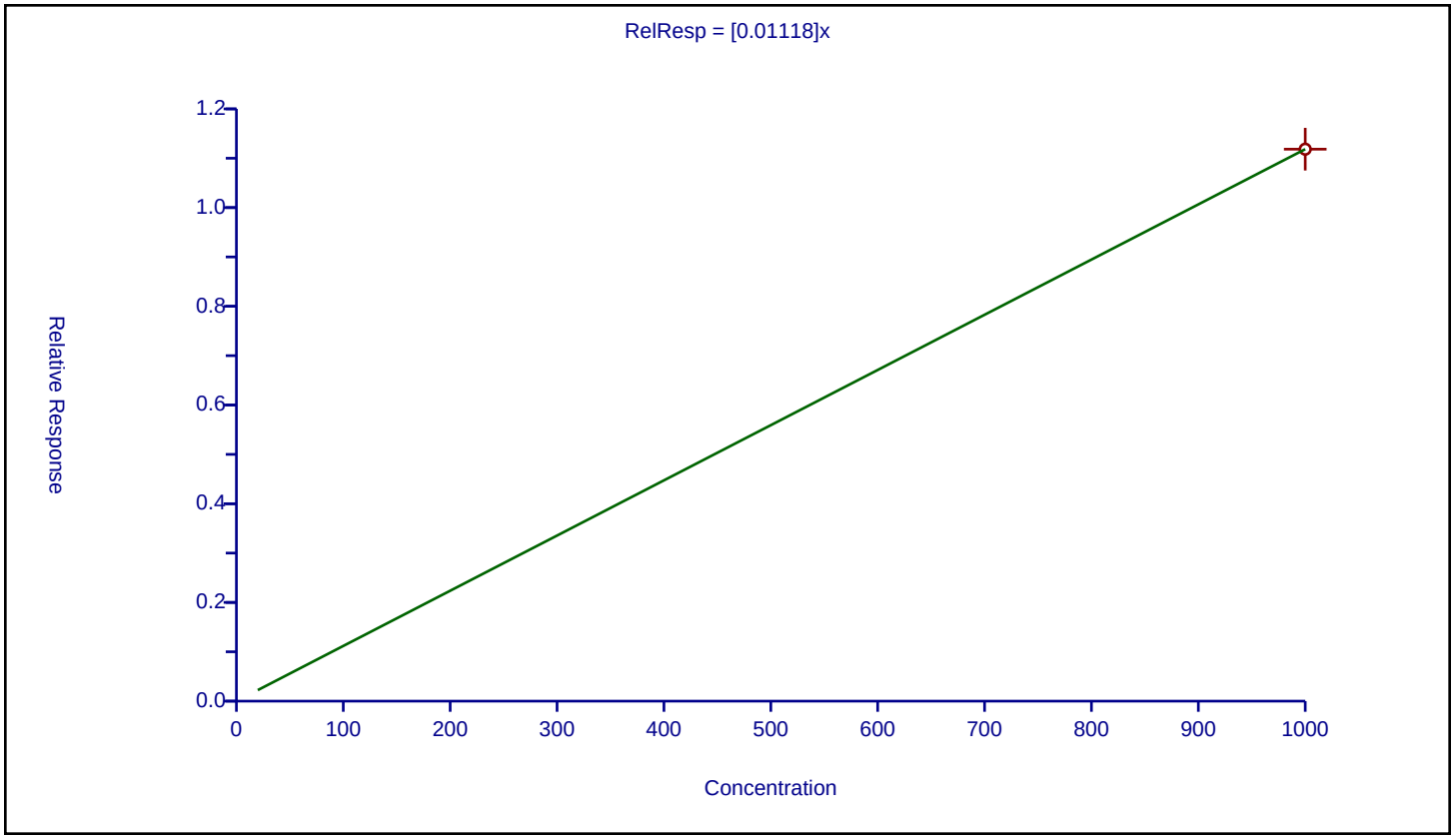
Curve Coefficients

Intercept:	0
Slope:	0.01118

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	11.183402	20.0	46131925.0	0.011183	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

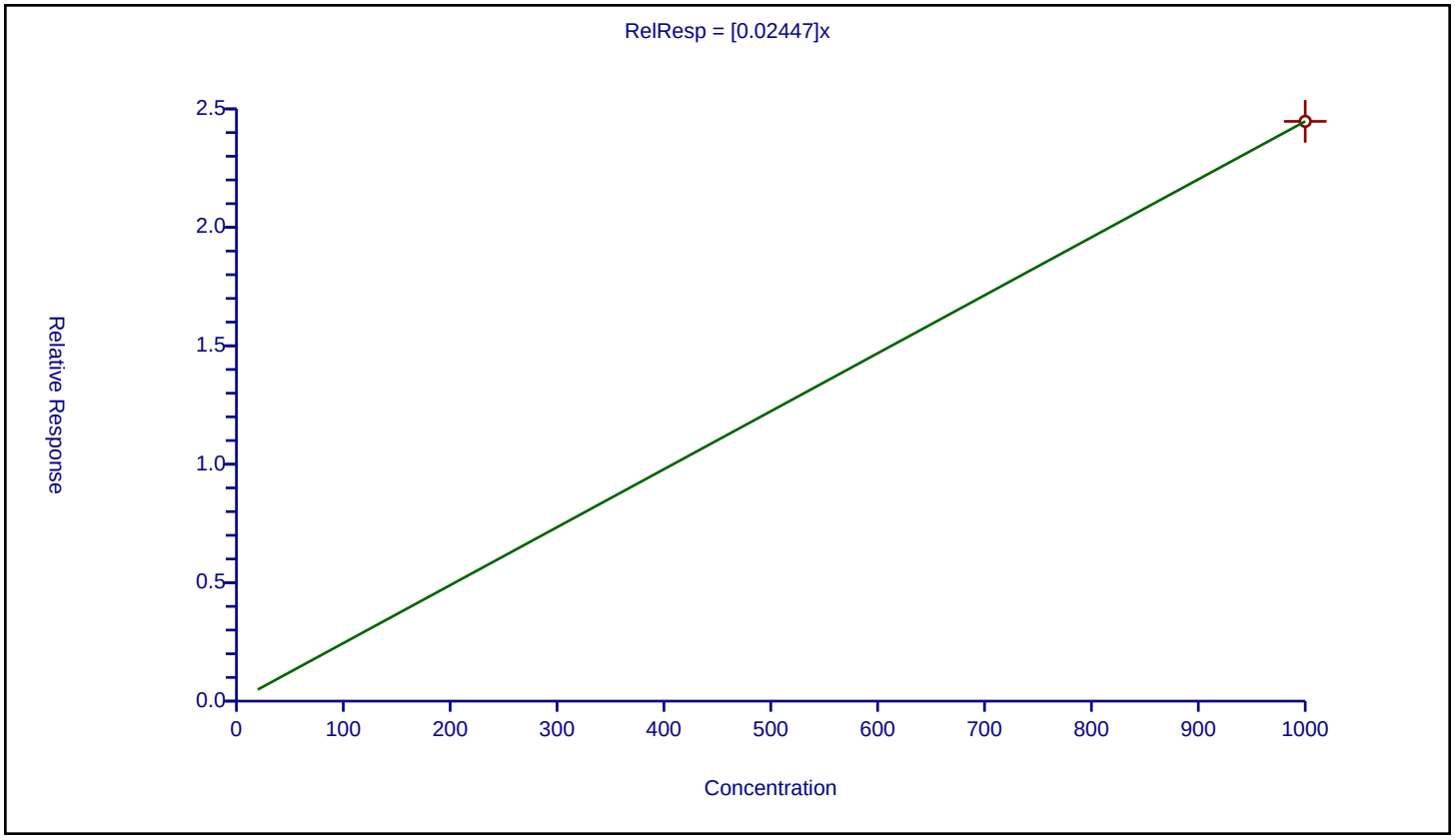
Curve Coefficients

Intercept:	0
Slope:	0.02447

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	24.473853	20.0	46131925.0	0.024474	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

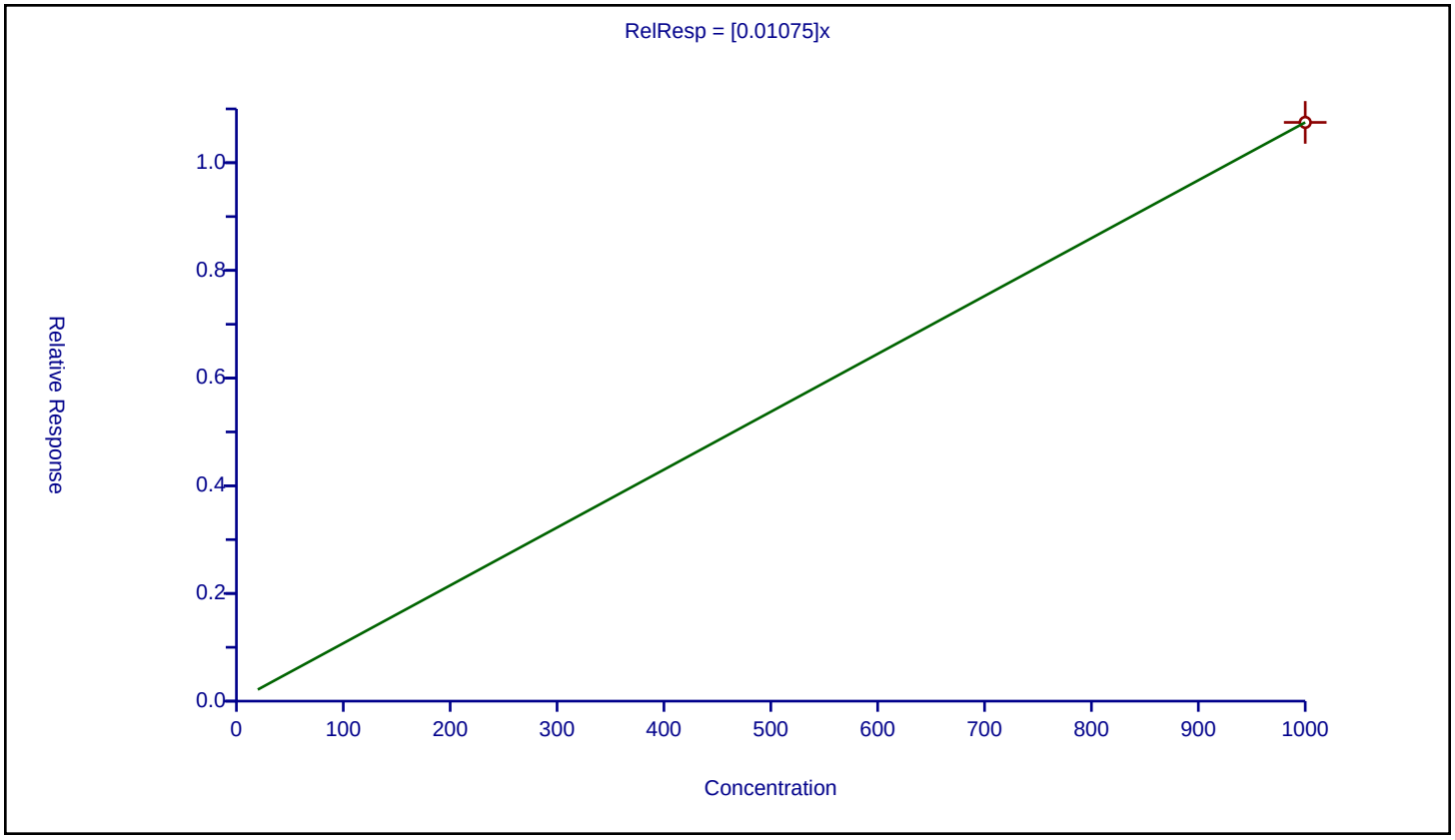
Curve Coefficients

Intercept:	0
Slope:	0.01075

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	10.74911	20.0	46131925.0	0.010749	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

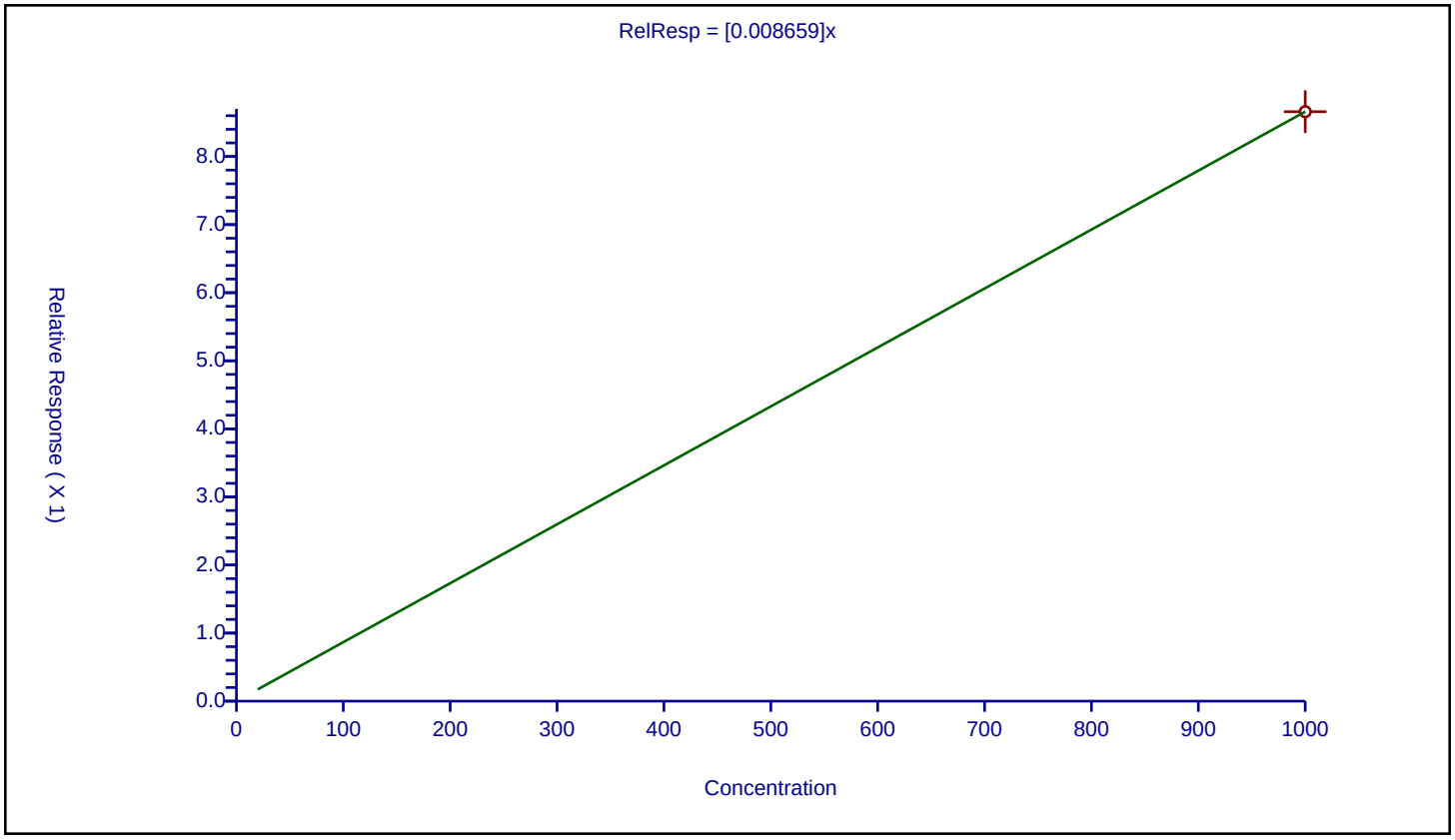
Curve Coefficients

Intercept:	0
Slope:	0.008659

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	8.65876	20.0	46131925.0	0.008659	Y



Calibration / PCB-1232 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

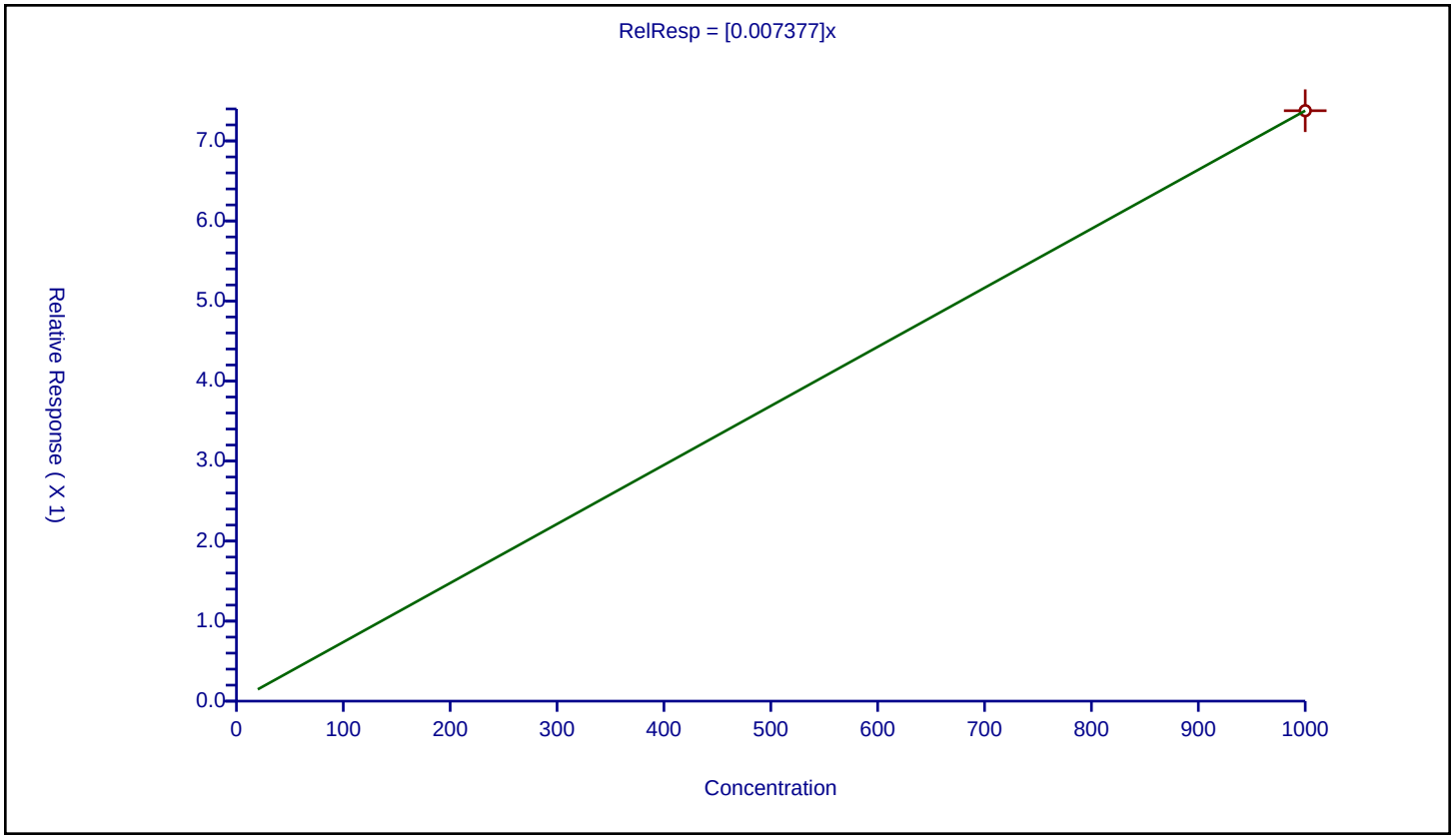
Curve Coefficients

Intercept:	0
Slope:	0.007377

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	7.377392	20.0	46131925.0	0.007377	Y



Calibration / PCB-1232 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

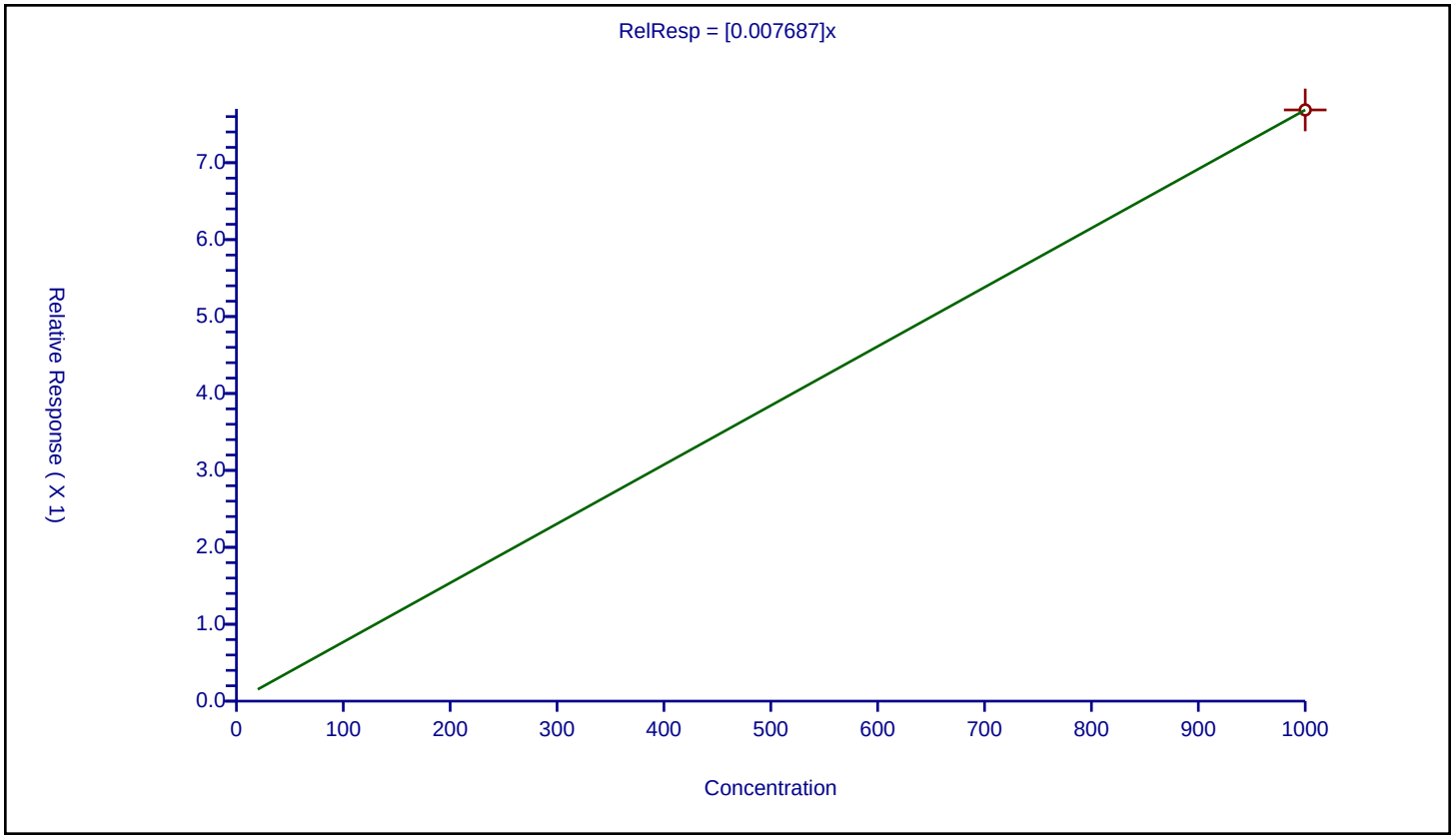
Curve Coefficients

Intercept:	0
Slope:	0.007687

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	7.686541	20.0	46131925.0	0.007687	Y



Calibration / PCB-1232 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

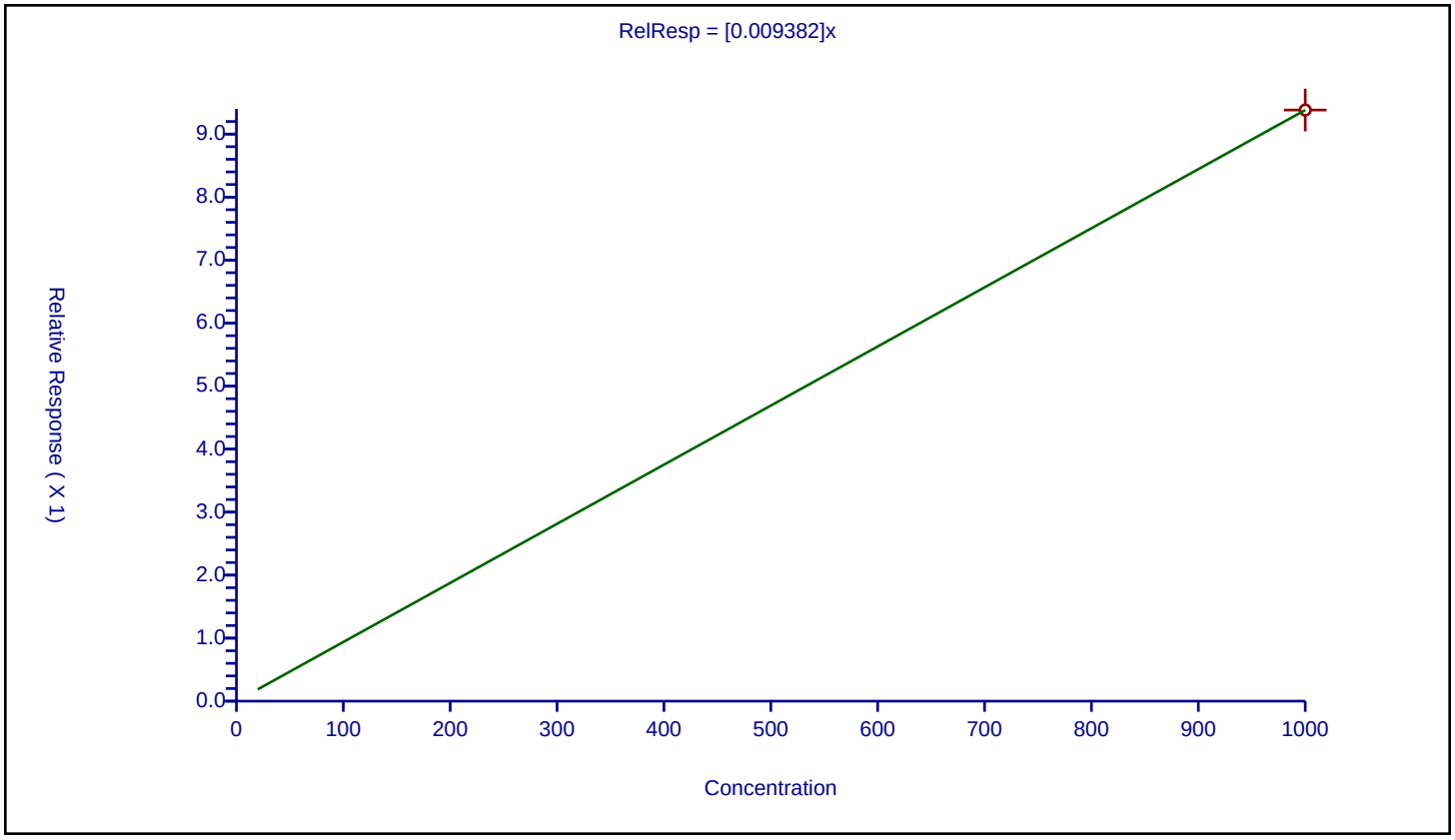
Curve Coefficients

Intercept:	0
Slope:	0.009382

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	9.381636	20.0	46131925.0	0.009382	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 Calibration End Date: 12/21/2023 12:39 Calibration ID: 95515

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1232 Peak 1	0.0215					Ave		0.0215						20.0			
PCB-1232 Peak 2	0.0152					Ave		0.0152						20.0			
PCB-1232 Peak 3	0.0106					Ave		0.0106						20.0			
PCB-1232 Peak 4	0.0332					Ave		0.0332						20.0			
PCB-1232 Peak 5	0.0138					Ave		0.0138						20.0			
PCB-1232 Peak 6	0.0092					Ave		0.0092						20.0			
PCB-1232 Peak 7	0.0137					Ave		0.0137						20.0			
PCB-1232 Peak 8	0.0237					Ave		0.0237						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:39 | Calibration End Date: 12/21/2023 12:39 | Calibration ID: 95515

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/9	11F0029074.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1232 Peak 1	BNB	Ave	45247606					1000				
PCB-1232 Peak 2	BNB	Ave	32127971					1000				
PCB-1232 Peak 3	BNB	Ave	22304643					1000				
PCB-1232 Peak 4	BNB	Ave	70019283					1000				
PCB-1232 Peak 5	BNB	Ave	29026423					1000				
PCB-1232 Peak 6	BNB	Ave	19310204					1000				
PCB-1232 Peak 7	BNB	Ave	28960158					1000				
PCB-1232 Peak 8	BNB	Ave	50062544					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Lims ID: IC 1232
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:39:53 ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-009
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub4

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:05 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:15:13

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	46131925	20.0	20.0	M
2	1.227	1.227	0.000	42183358	20.0	20.0	M
						RPD = 0.00	
3 PCB-1232							M
1	2.912	2.912	0.000	36797798	1000.0	1000.0	
1	3.400	3.400	0.000	25795592	1000.0	1000.0	M
1	3.946	3.946	0.000	56451297	1000.0	1000.0	M
1	4.113	4.113	0.000	24793857	1000.0	1000.0	M
1	4.237	4.237	0.000	19972264	1000.0	1000.0	M
1	4.690	4.690	0.000	17016664	1000.0	1000.0	M
1	5.151	5.151	0.000	17729747	1000.0	1000.0	M
1	5.206	5.206	0.000	21639647	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	45247606	1000.0	1000.0	
2	2.549	2.549	0.000	32127971	1000.0	1000.0	
2	2.750	2.750	0.000	22304643	1000.0	1000.0	
2	3.031	3.031	0.000	70019283	1000.0	1000.0	
2	3.176	3.176	0.000	29026423	1000.0	1000.0	
2	3.242	3.242	0.000	19310204	1000.0	1000.0	
2	3.634	3.634	0.000	28960158	1000.0	1000.0	
2	4.125	4.125	0.000	50062544	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

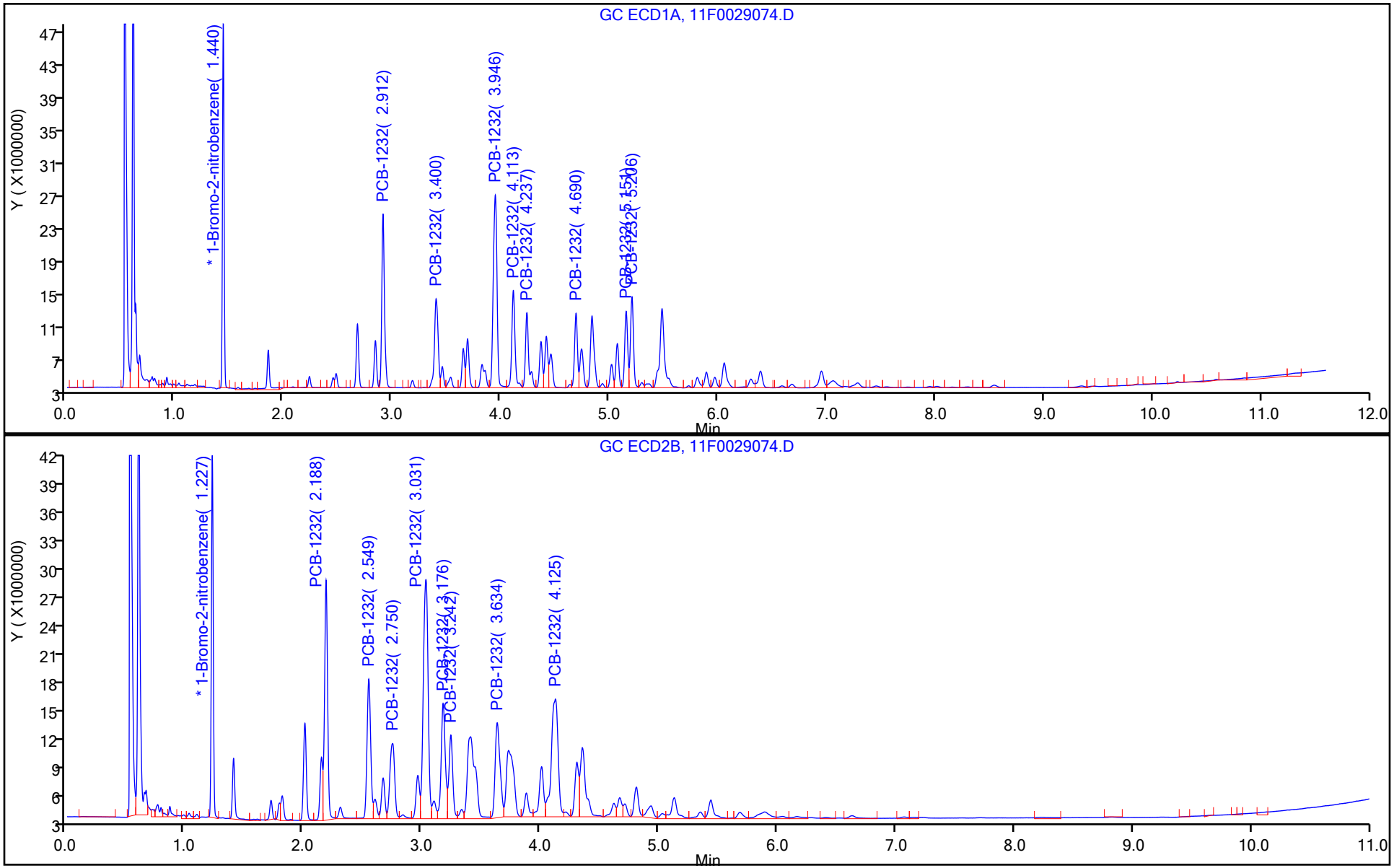
SG1232L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:06 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D

Injection Date:	21-Dec-2023 12:39:53	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1232			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

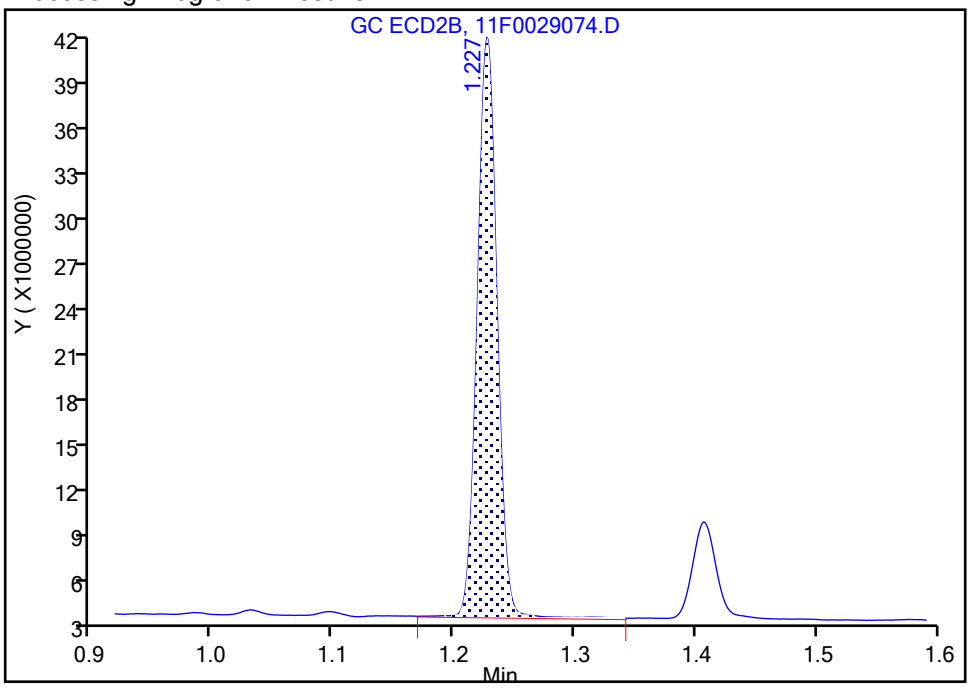
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029074.D
Injection Date: 21-Dec-2023 12:39:53 Instrument ID: CPESTGC11
Lims ID: IC 1232
Client ID:
Operator ID: ALS Bottle#: 25 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

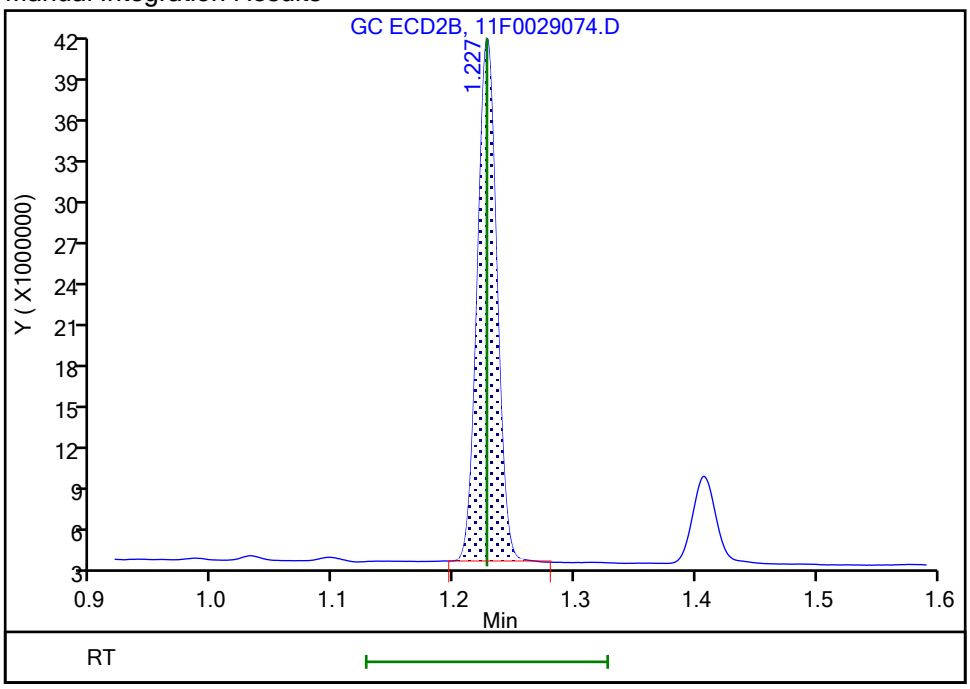
Processing Integration Results

RT: 1.23
Area: 43045994
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 42183358
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 14:19:05 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Calibration / PCB-1232 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

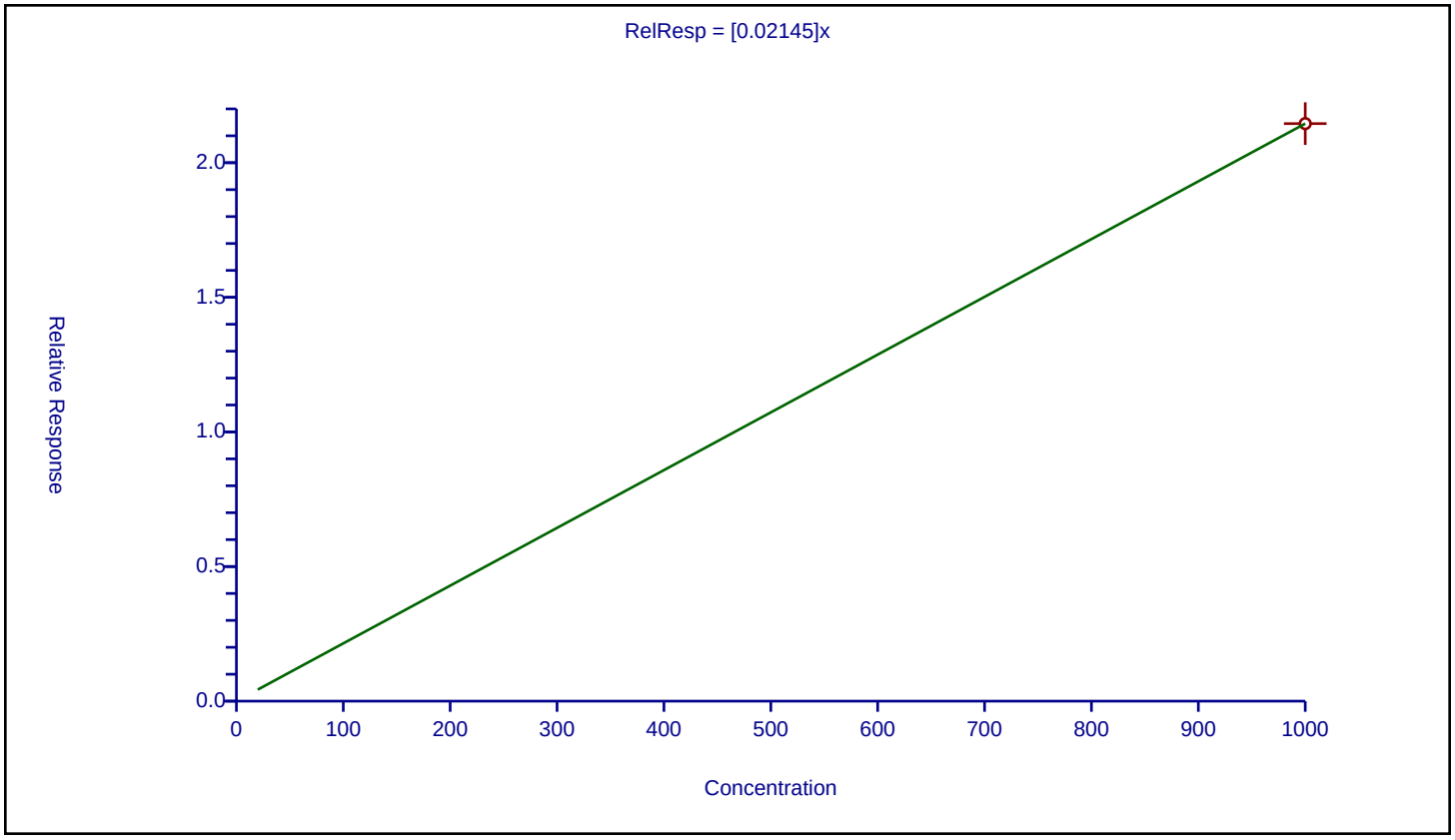
Curve Coefficients

Intercept:	0
Slope:	0.02145

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	21.452823	20.0	42183358.0	0.021453	Y



Calibration / PCB-1232 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

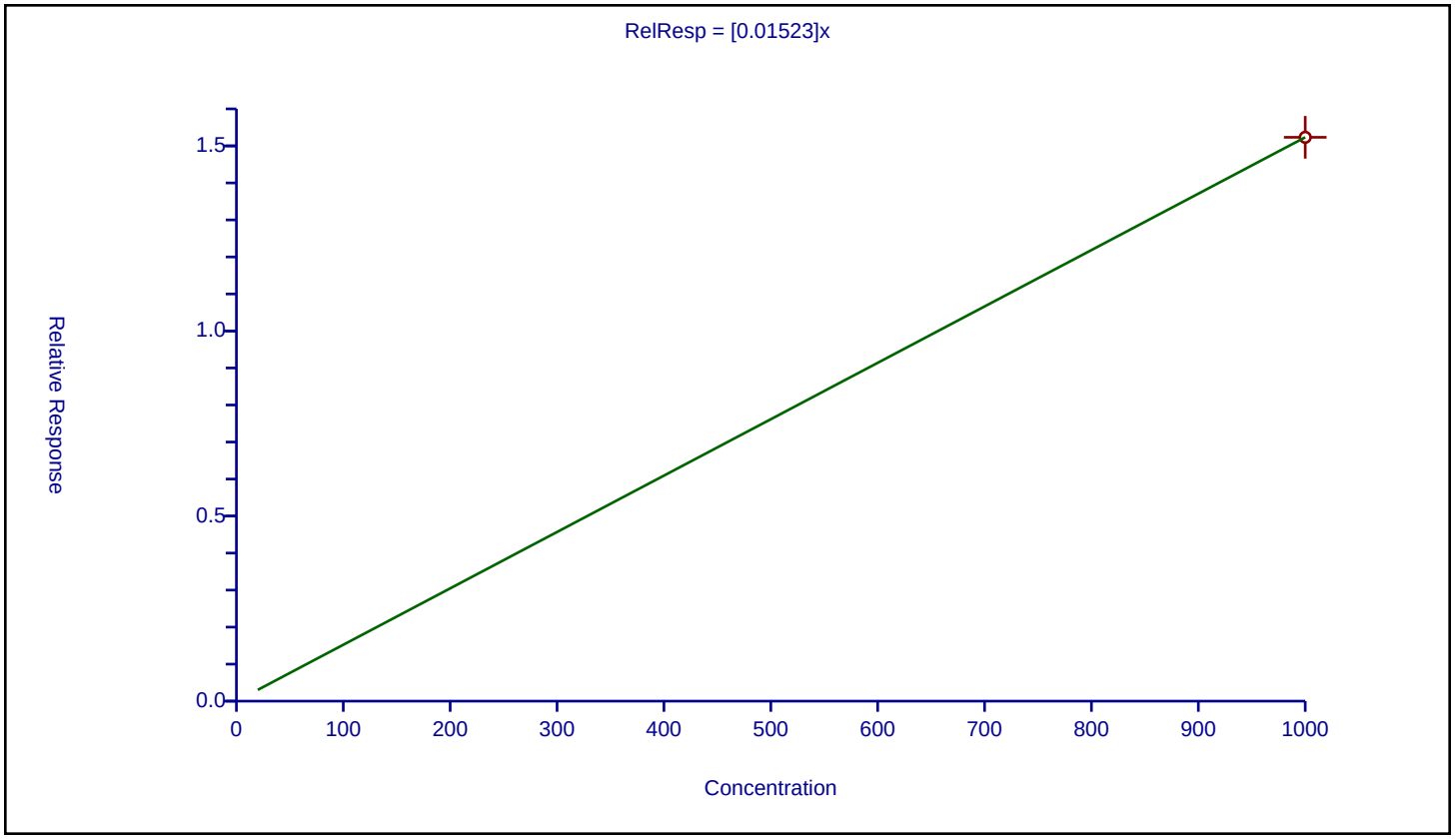
Curve Coefficients

Intercept:	0
Slope:	0.01523

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	15.232534	20.0	42183358.0	0.015233	Y



Calibration / PCB-1232 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

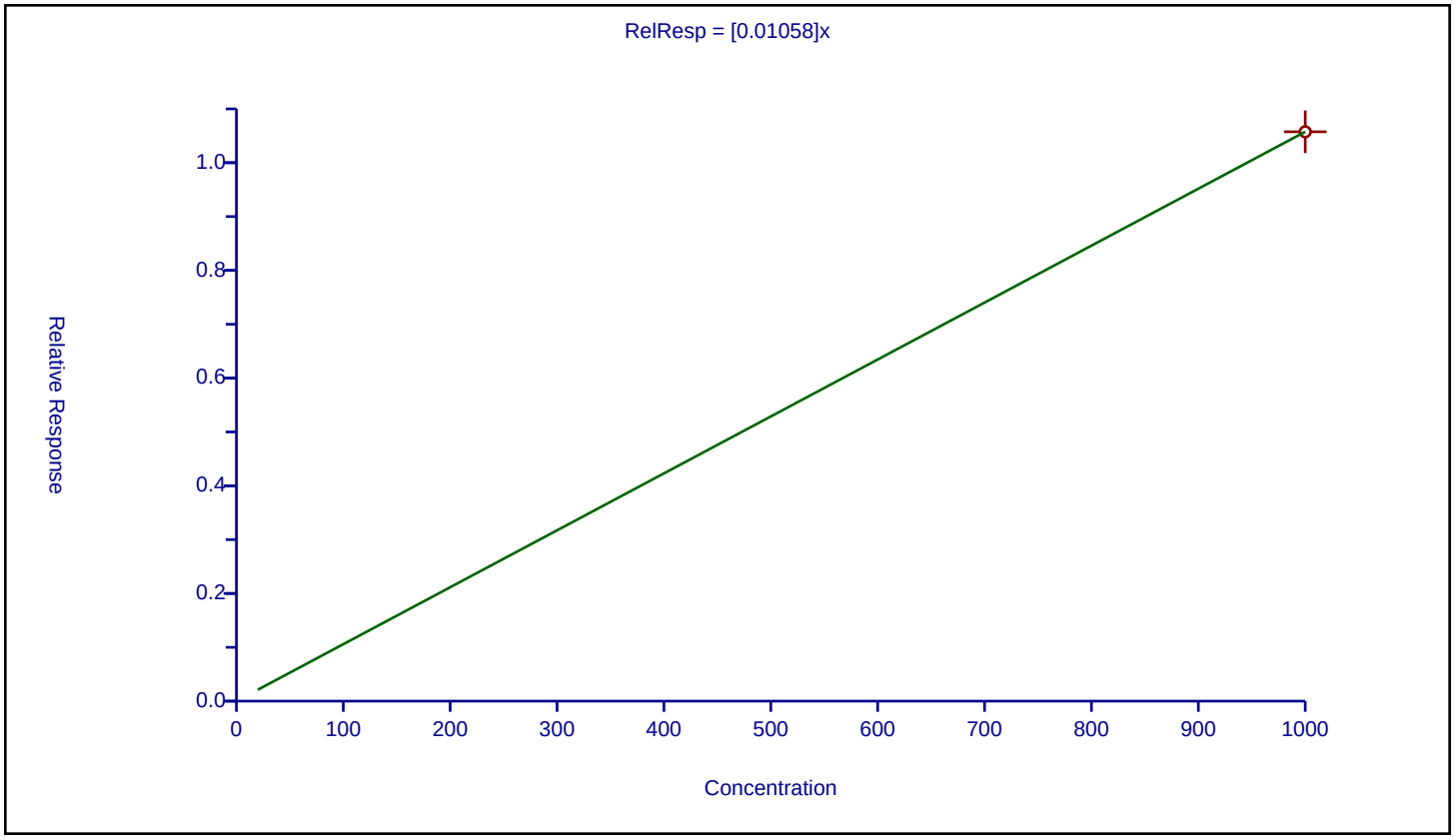
Curve Coefficients

Intercept:	0
Slope:	0.01058

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	10.575091	20.0	42183358.0	0.010575	Y



Calibration / PCB-1232 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

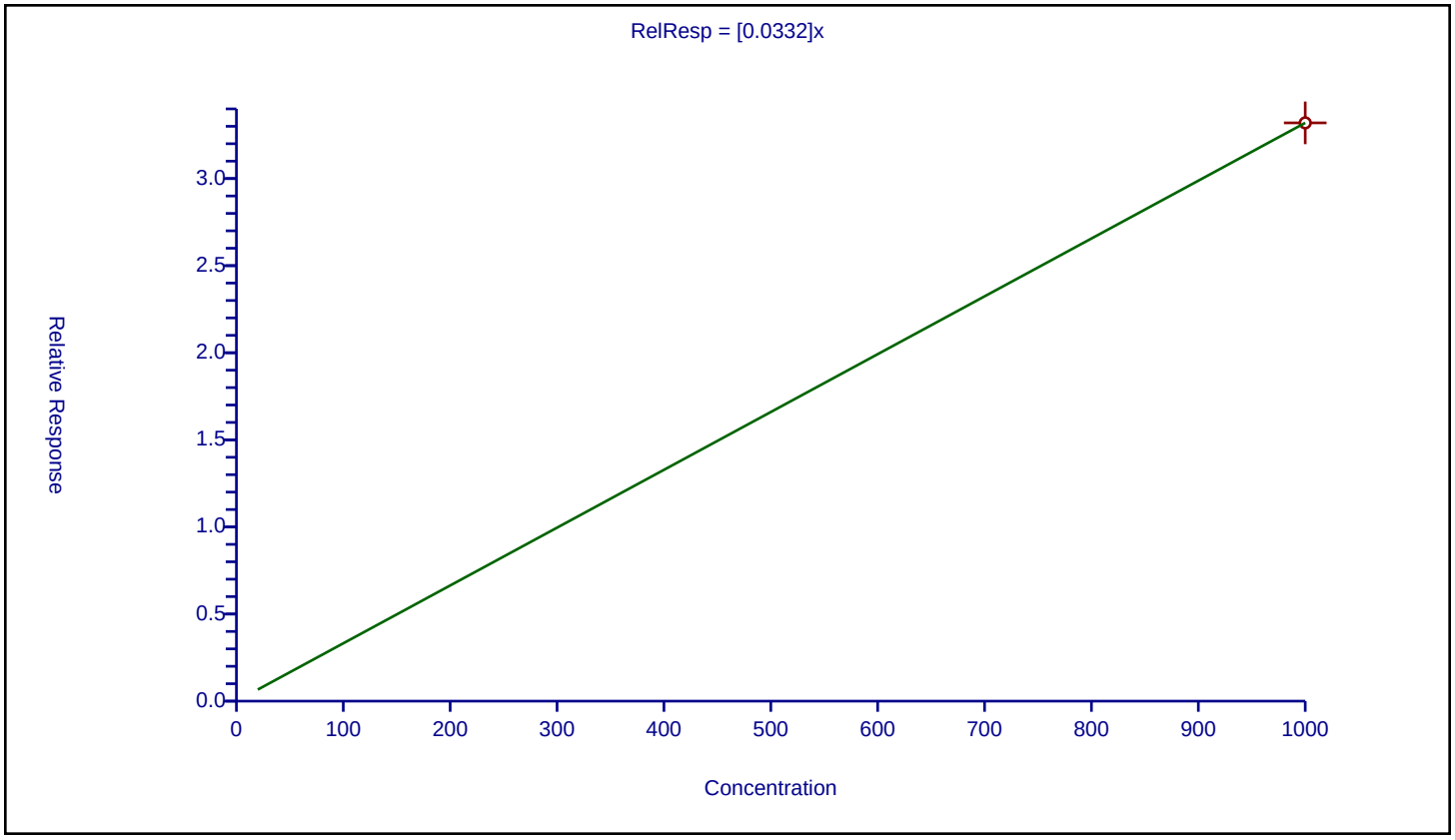
Curve Coefficients

Intercept:	0
Slope:	0.0332

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	33.197586	20.0	42183358.0	0.033198	Y



Calibration / PCB-1232 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

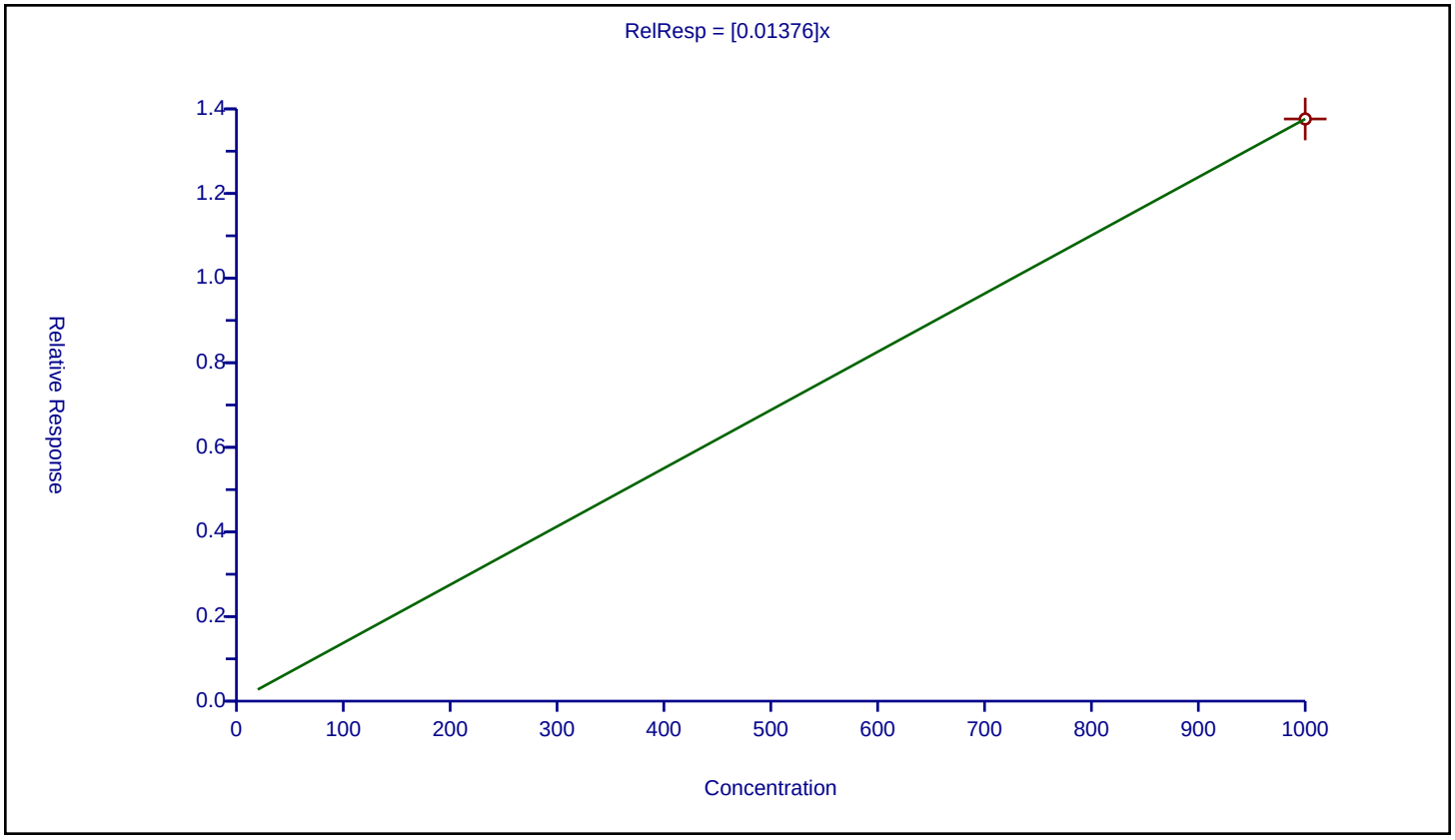
Curve Coefficients

Intercept:	0
Slope:	0.01376

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	13.762026	20.0	42183358.0	0.013762	Y



Calibration / PCB-1232 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

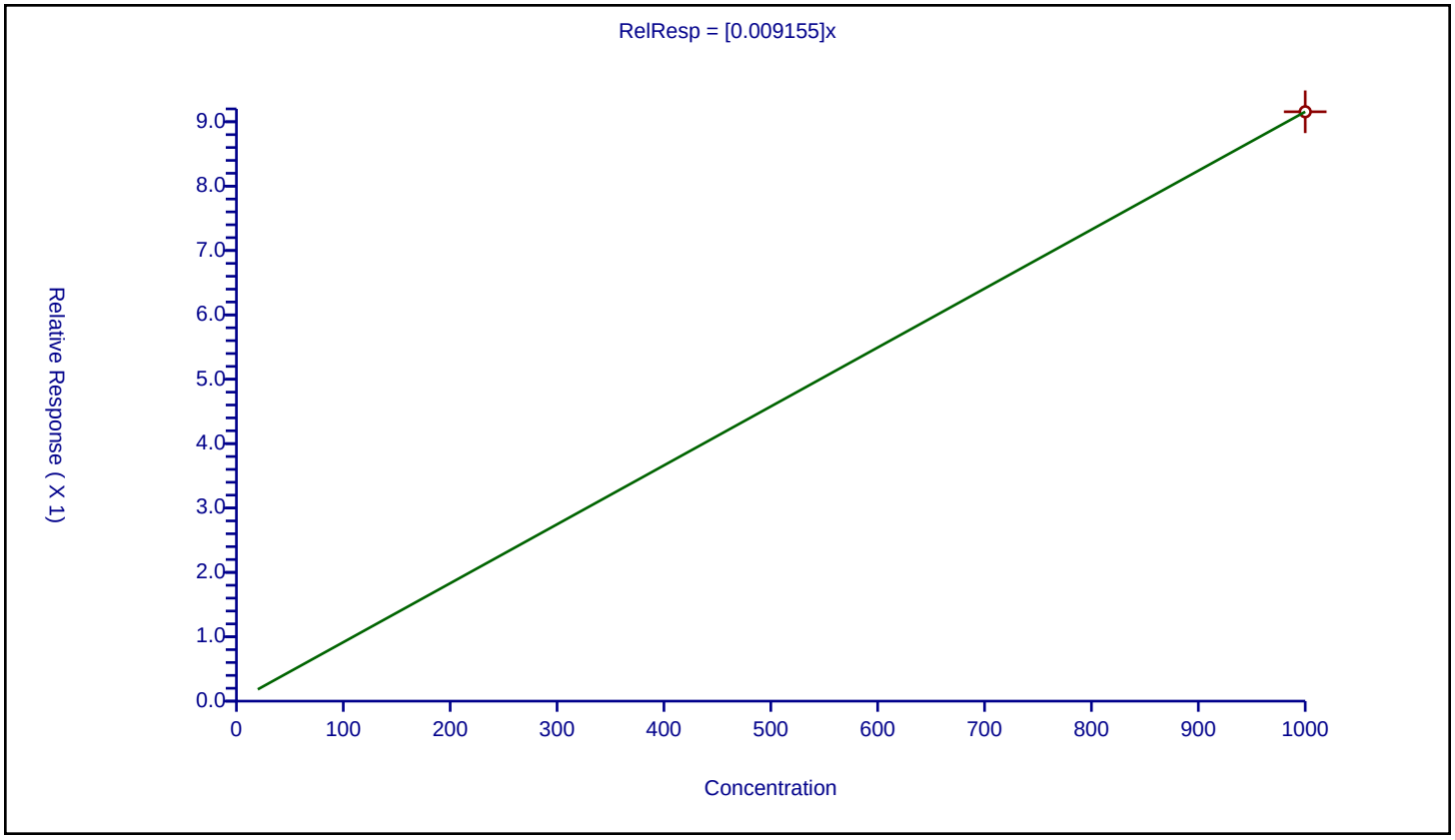
Curve Coefficients

Intercept:	0
Slope:	0.009155

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	9.155366	20.0	42183358.0	0.009155	Y



Calibration / PCB-1232 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

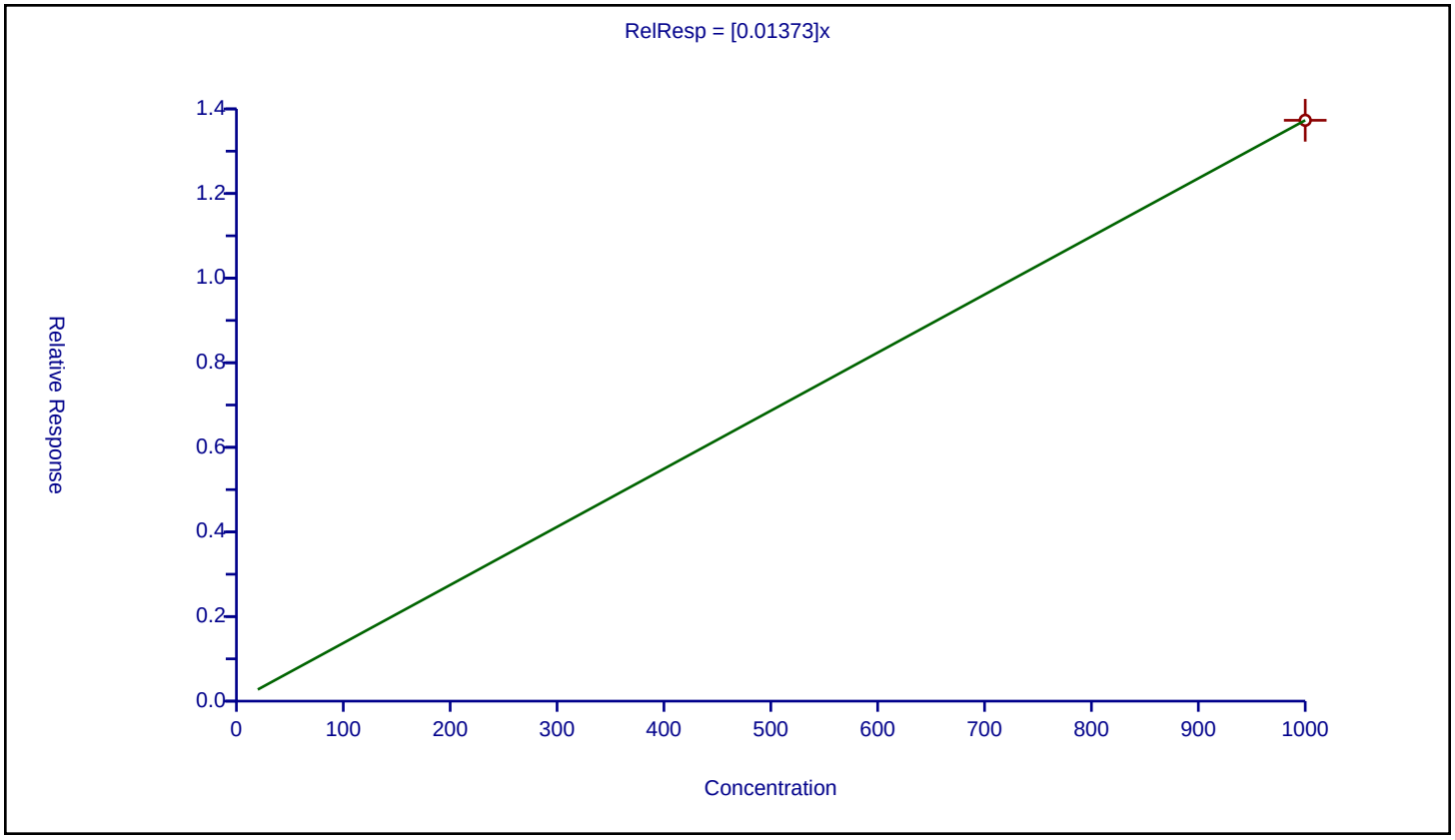
Curve Coefficients

Intercept:	0
Slope:	0.01373

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	13.730608	20.0	42183358.0	0.013731	Y



Calibration / PCB-1232 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

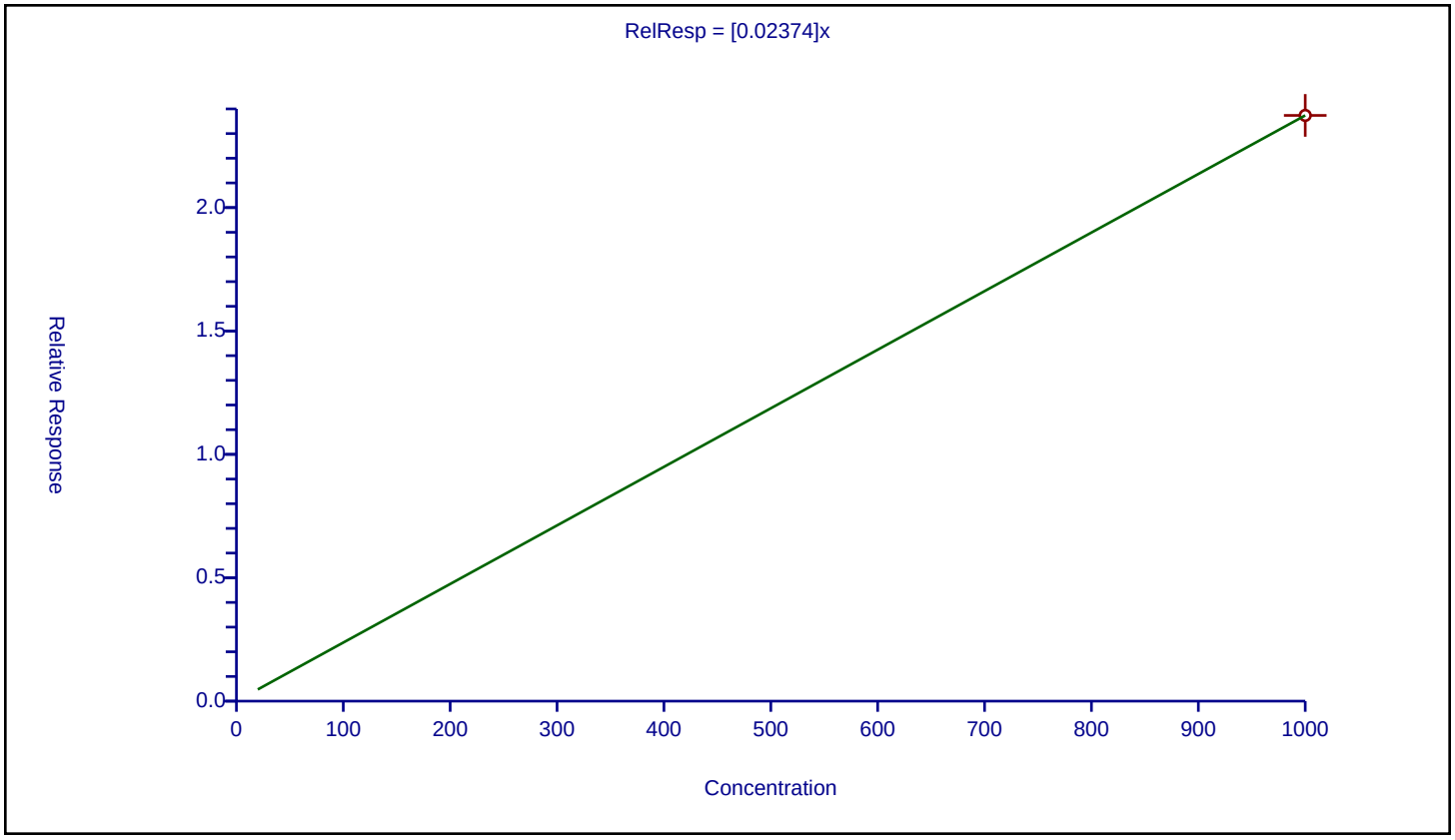
Curve Coefficients

Intercept:	0
Slope:	0.02374

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/9	1000.0	23.735685	20.0	42183358.0	0.023736	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 Calibration End Date: 12/21/2023 12:56 Calibration ID: 95520

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0103					Ave		0.0103						20.0			
PCB-1242 Peak 2	0.0198					Ave		0.0198						20.0			
PCB-1242 Peak 3	0.0429					Ave		0.0429						20.0			
PCB-1242 Peak 4	0.0186					Ave		0.0186						20.0			
PCB-1242 Peak 5	0.0152					Ave		0.0152						20.0			
PCB-1242 Peak 6	0.0172					Ave		0.0172						20.0			
PCB-1242 Peak 7	0.0141					Ave		0.0141						20.0			
PCB-1242 Peak 8	0.0168					Ave		0.0168						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 | Calibration End Date: 12/21/2023 12:56 | Calibration ID: 95520

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	25629218					1000				
PCB-1242 Peak 2	BNB	Ave	49180779					1000				
PCB-1242 Peak 3	BNB	Ave	106498435					1000				
PCB-1242 Peak 4	BNB	Ave	46178038					1000				
PCB-1242 Peak 5	BNB	Ave	37686294					1000				
PCB-1242 Peak 6	BNB	Ave	42651724					1000				
PCB-1242 Peak 7	BNB	Ave	34995569					1000				
PCB-1242 Peak 8	BNB	Ave	41750022					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:56:38 ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49667639	20.0	20.0	
2	1.227	1.227	0.000	45364679	20.0	20.0	M
						RPD = 0.00	
4 PCB-1242							M
1	2.912	2.912	0.000	25629218	1000.0	1000.0	
1	3.402	3.402	0.000	49180779	1000.0	1000.0	M
1	3.947	3.947	0.000	106498435	1000.0	1000.0	M
1	4.112	4.112	0.000	46178038	1000.0	1000.0	M
1	4.237	4.237	0.000	37686294	1000.0	1000.0	M
1	4.838	4.838	0.000	42651724	1000.0	1000.0	M
1	5.153	5.153	0.000	34995569	1000.0	1000.0	M
1	5.206	5.206	0.000	41750022	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	32009388	1000.0	1000.0	M
2	2.549	2.549	0.000	64490403	1000.0	1000.0	M
2	2.747	2.747	0.000	42274487	1000.0	1000.0	M
2	3.030	3.030	0.000	133113778	1000.0	1000.0	M
2	3.177	3.177	0.000	56071136	1000.0	1000.0	M
2	3.242	3.242	0.000	36741274	1000.0	1000.0	M
2	3.634	3.634	0.000	59253599	1000.0	1000.0	M
2	4.120	4.120	0.000	100755490	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

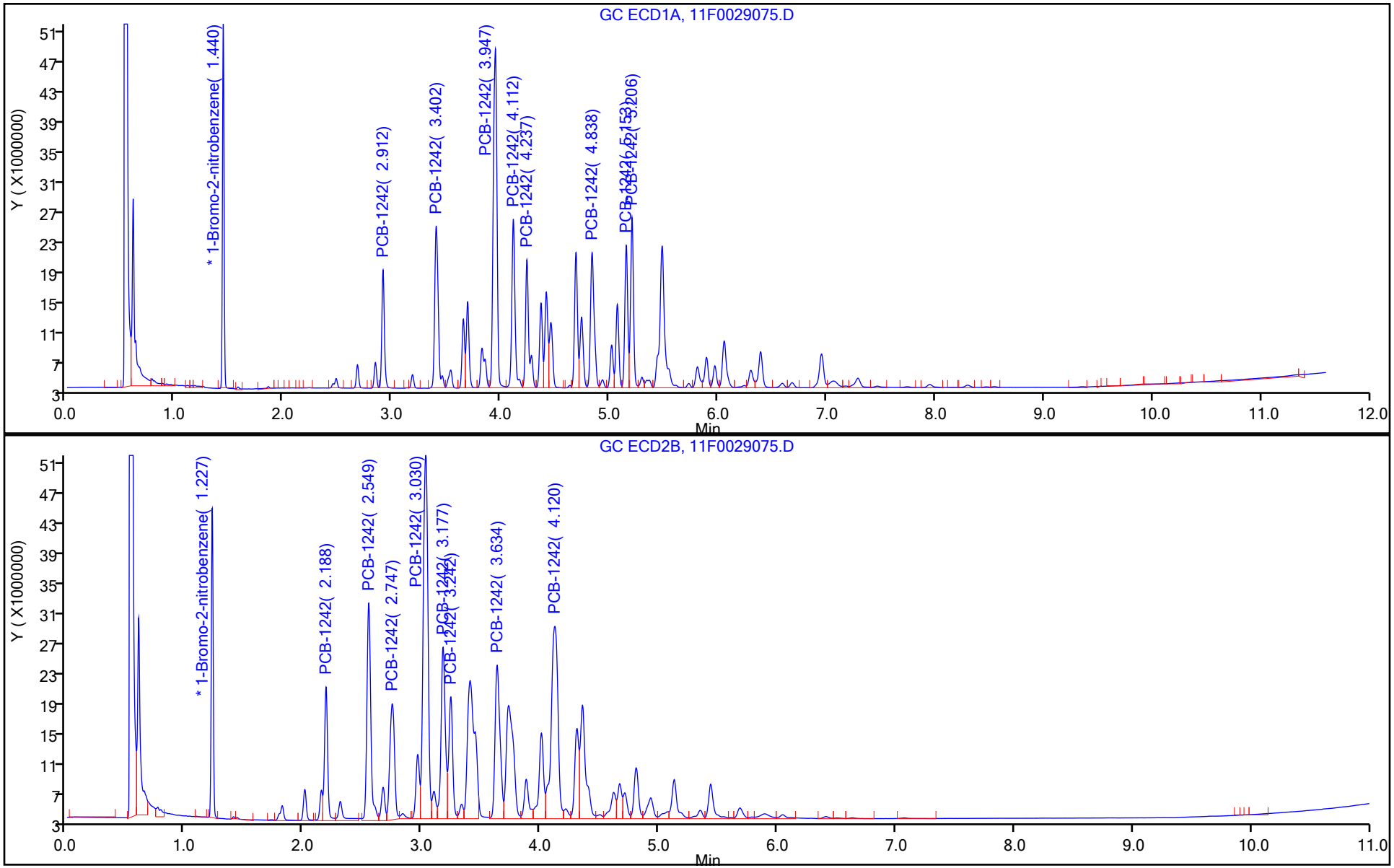
SG1242L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D

Injection Date:	21-Dec-2023 12:56:38	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		

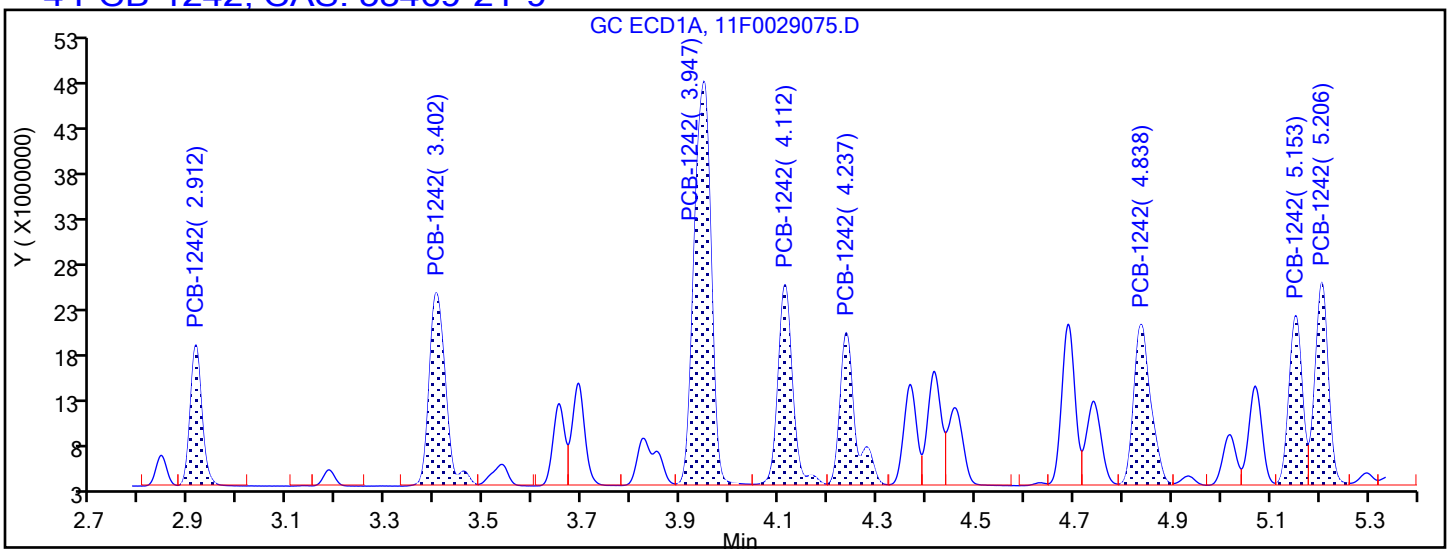


Report Date: 21-Dec-2023 14:24:14 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

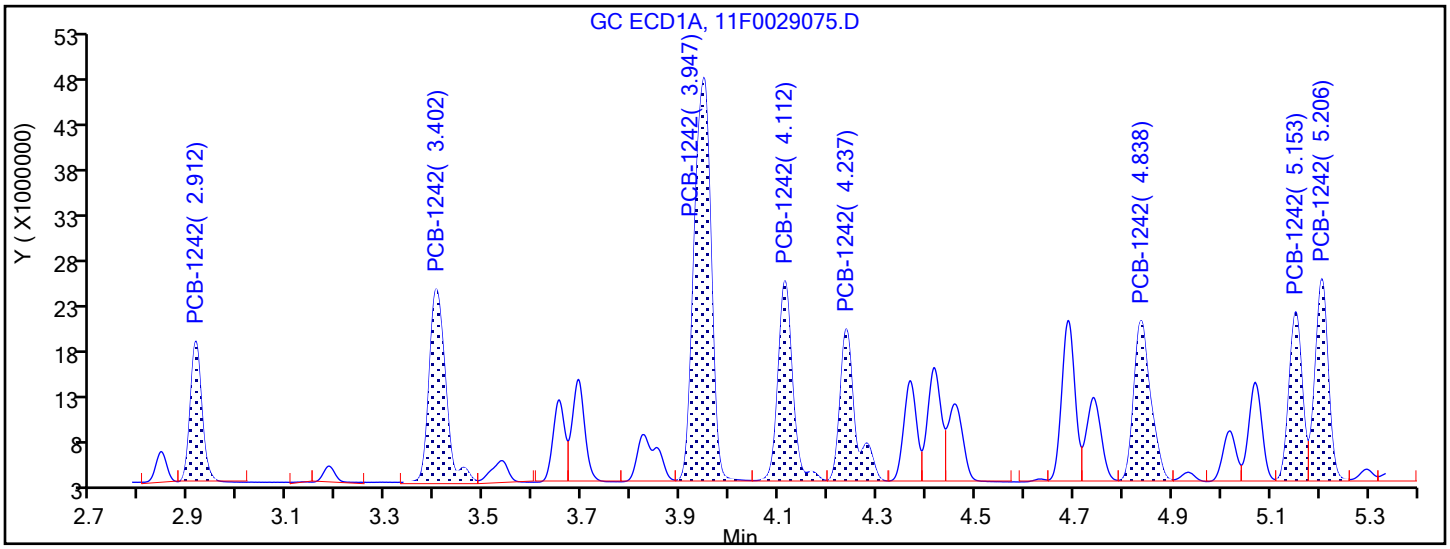
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.912	Response = 25629218
3.402	Response = 48872709
3.947	Response = 105564301
4.112	Response = 45255521
4.237	Response = 36962929
4.838	Response = 42218757
5.153	Response = 34848135
5.206	Response = 41576529



Manual Integration Results

2.912	Response = 25629218	
3.402	Response = 49180779	M
3.947	Response = 106498435	M
4.112	Response = 46178038	M
4.237	Response = 37686294	M
4.838	Response = 42651724	M

Calibration / PCB-1242 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

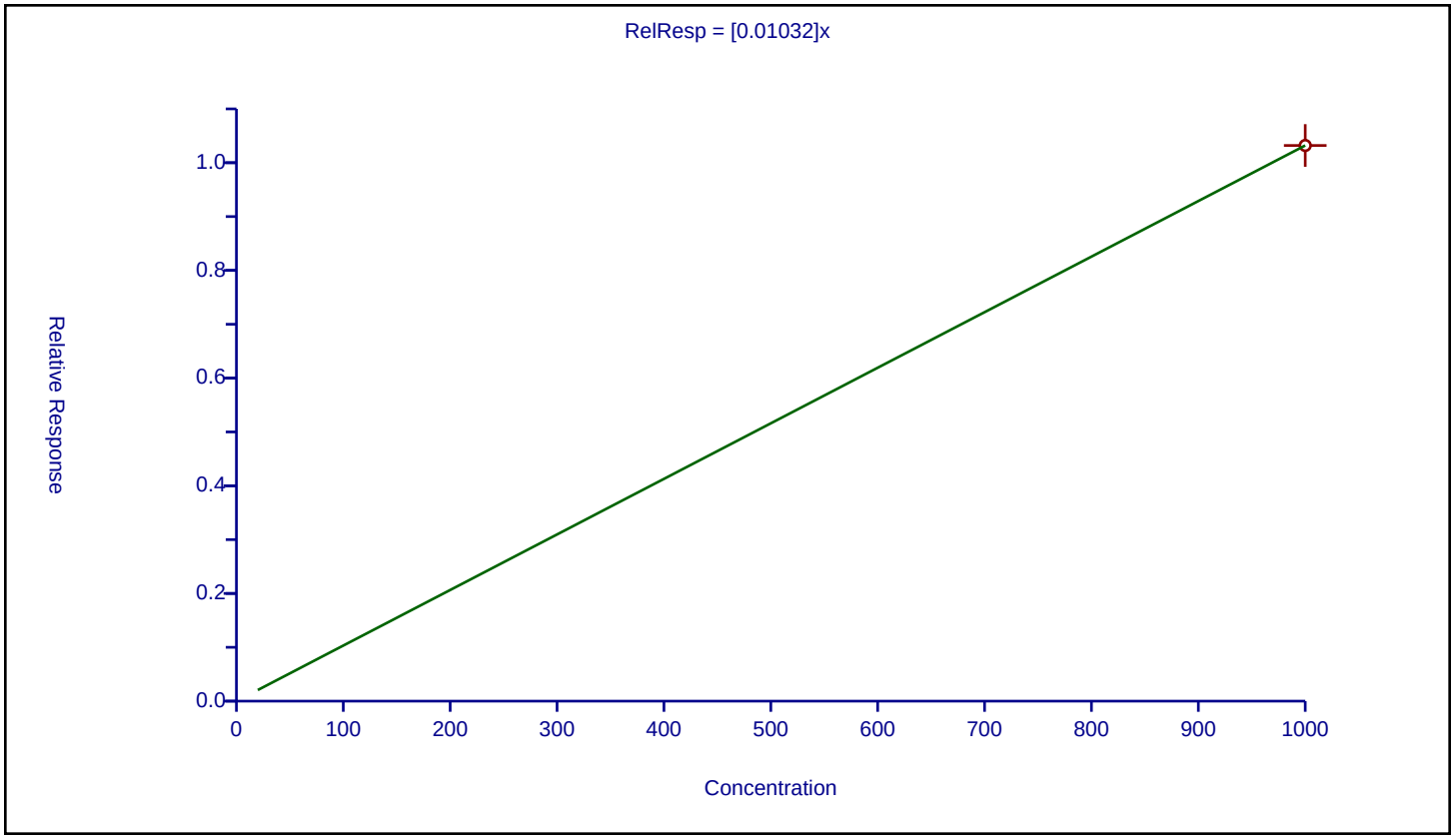
Curve Coefficients

Intercept:	0
Slope:	0.01032

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	10.320288	20.0	49667639.0	0.01032	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

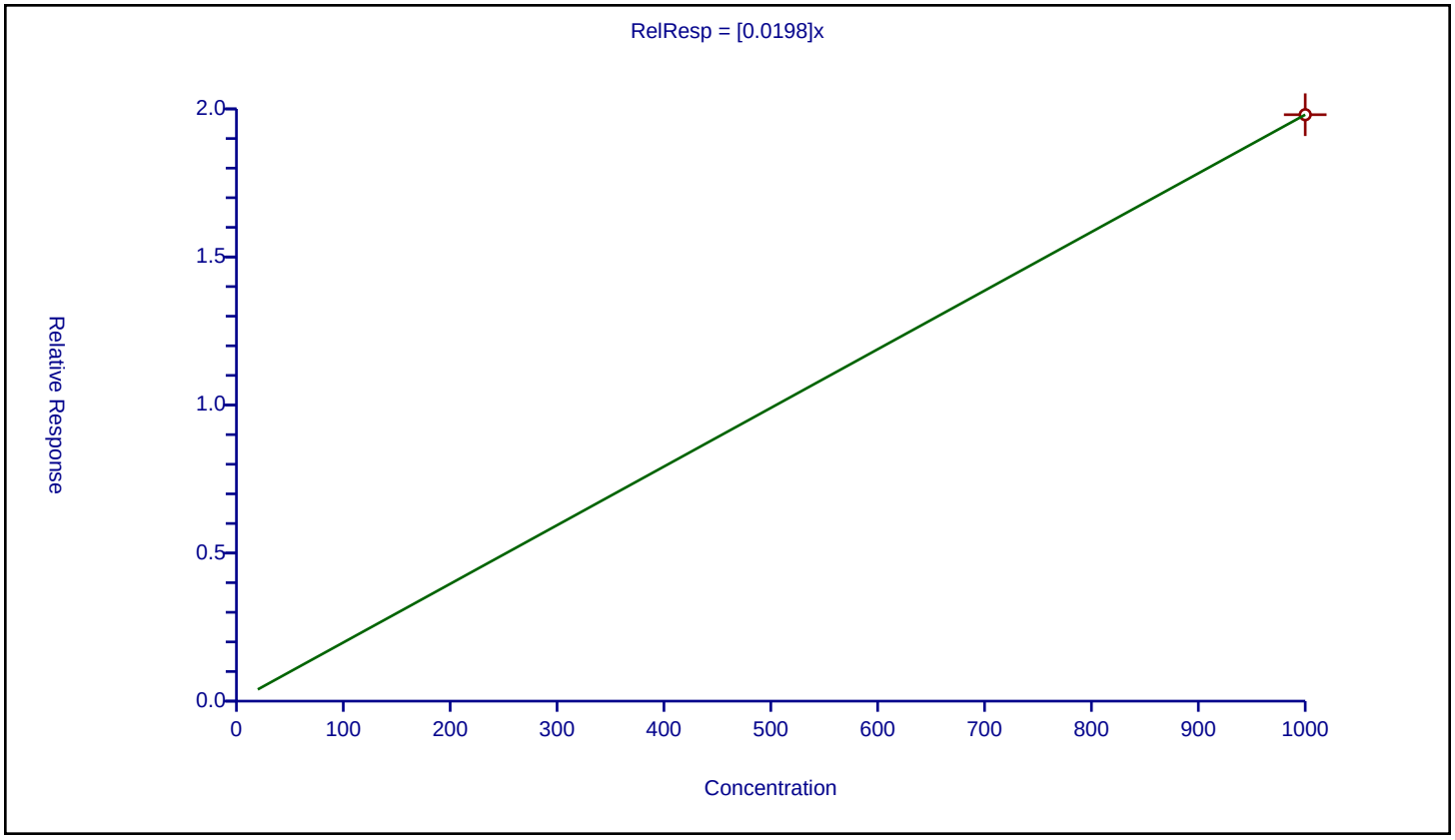
Curve Coefficients

Intercept:	0
Slope:	0.0198

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	19.803953	20.0	49667639.0	0.019804	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

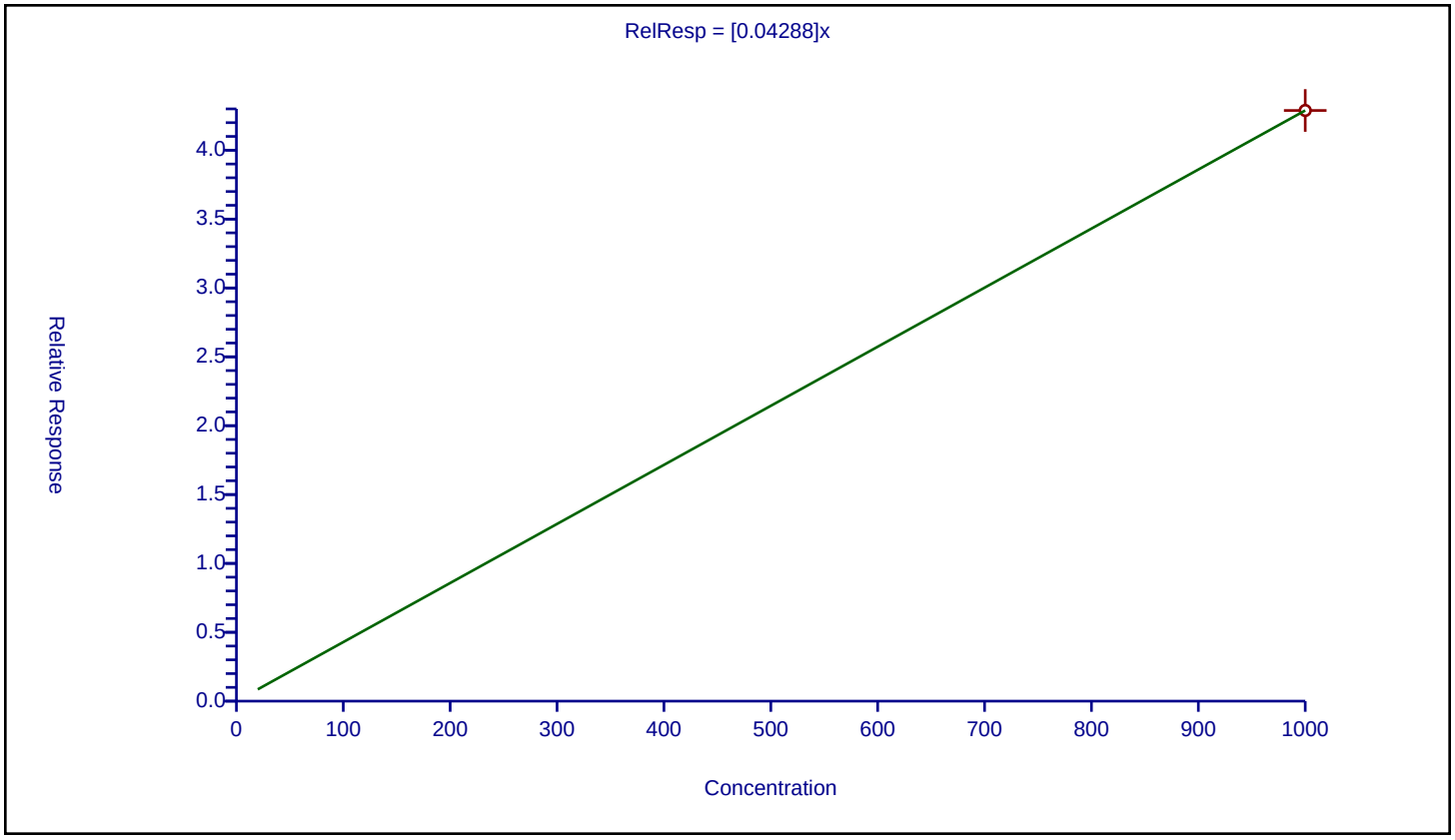
Curve Coefficients

Intercept:	0
Slope:	0.04288

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	42.884436	20.0	49667639.0	0.042884	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

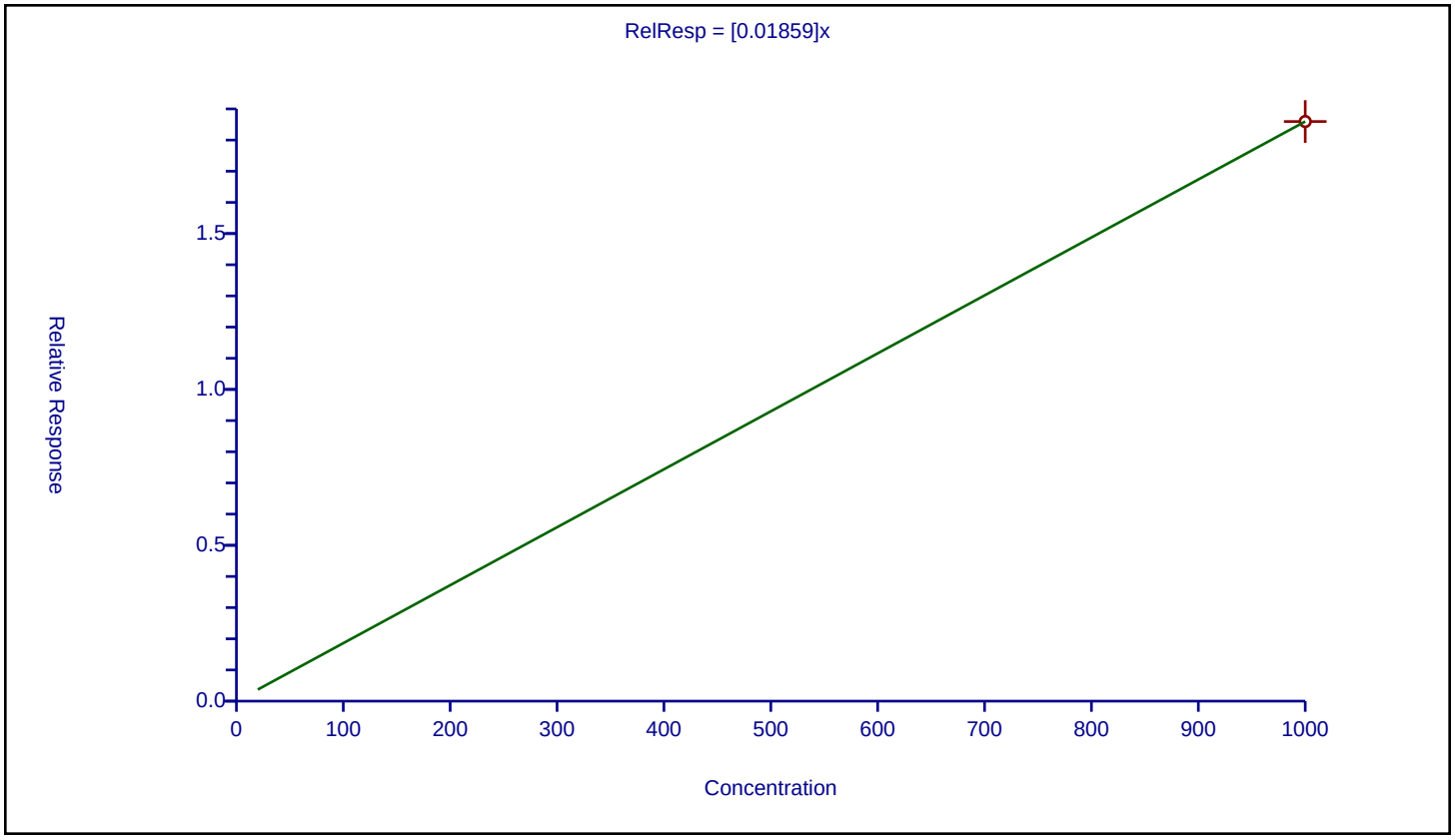
Curve Coefficients

Intercept:	0
Slope:	0.01859

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	18.594819	20.0	49667639.0	0.018595	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

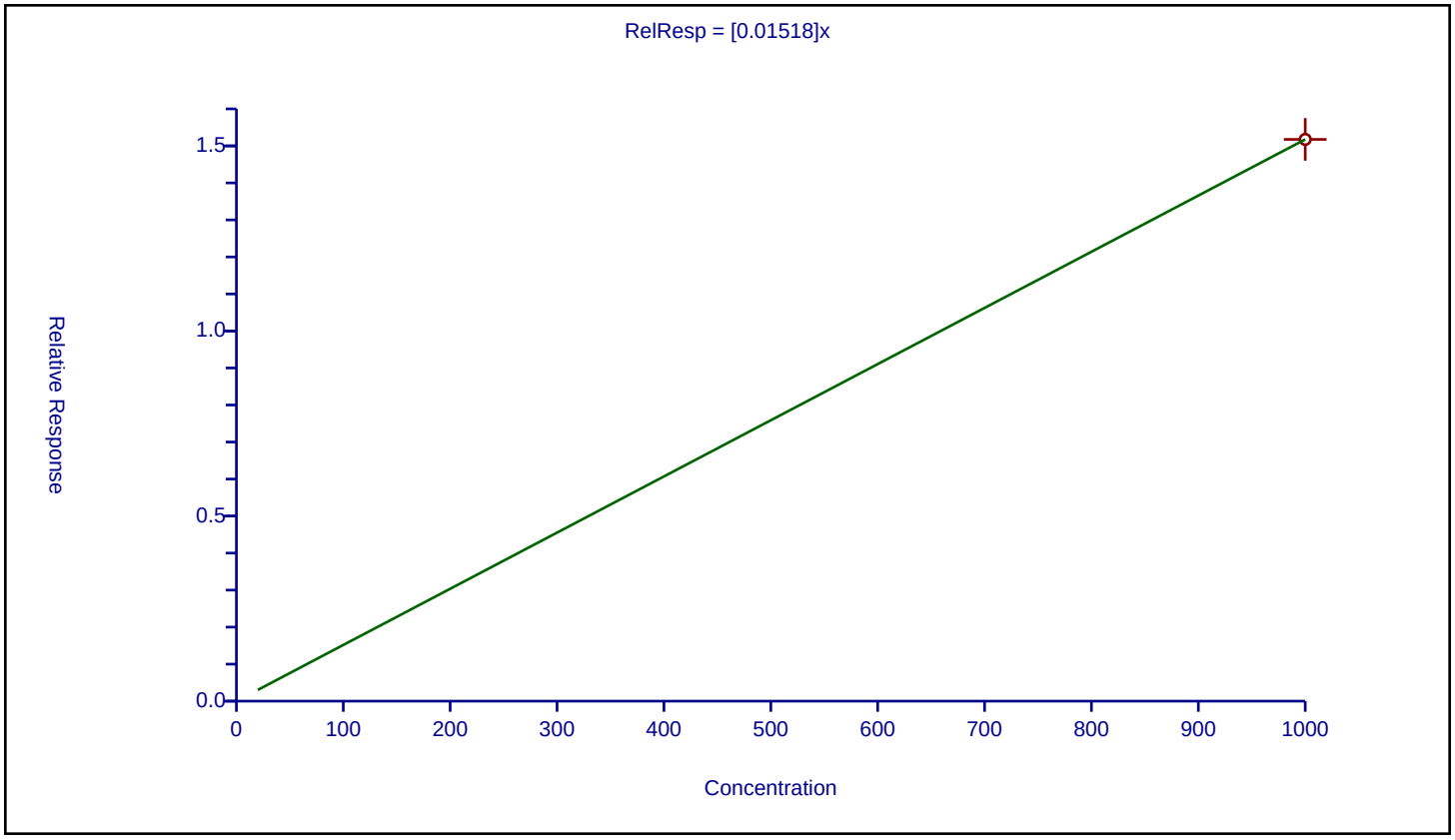
Curve Coefficients

Intercept:	0
Slope:	0.01518

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	15.175392	20.0	49667639.0	0.015175	Y



Calibration / PCB-1242 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

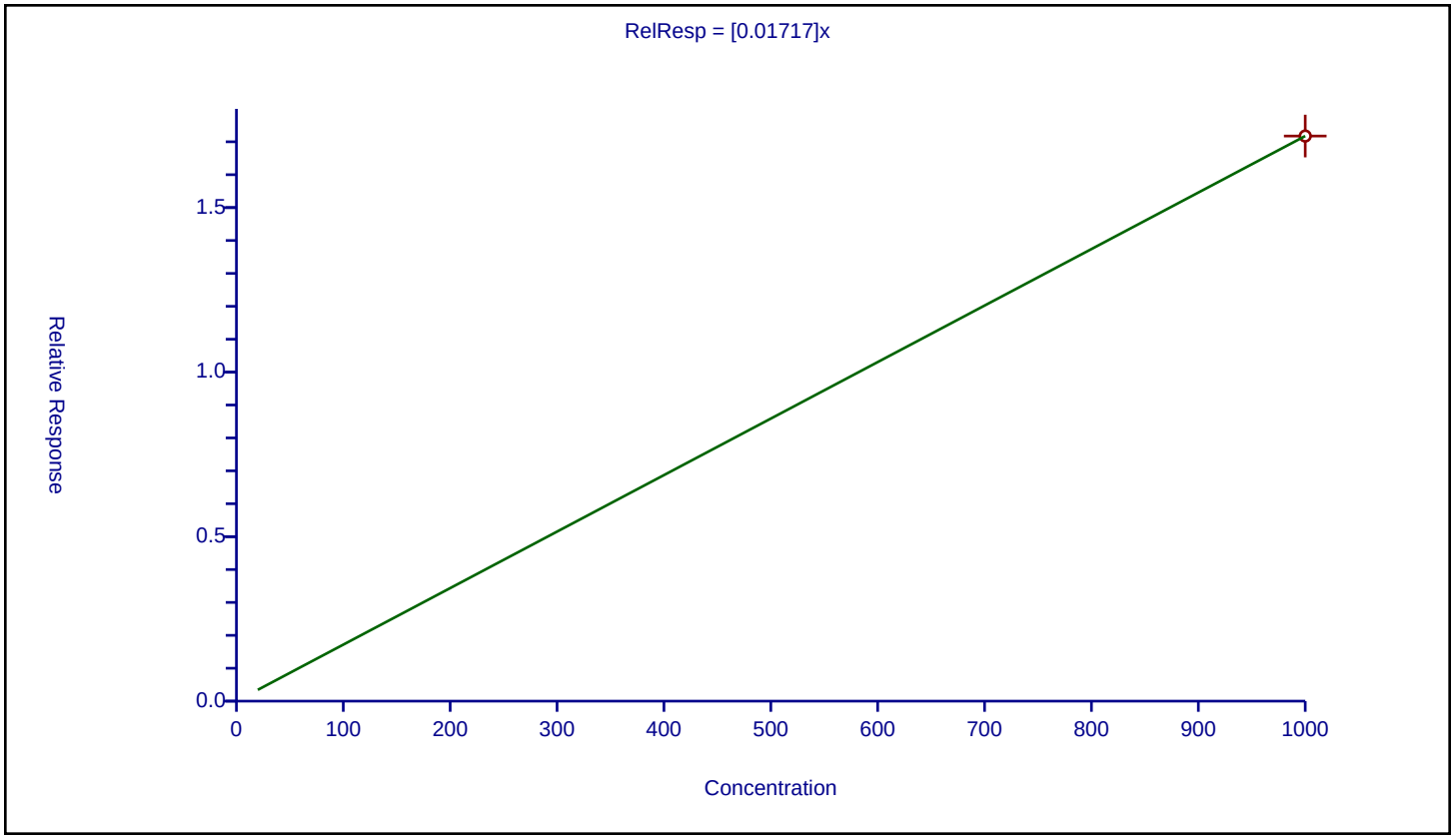
Curve Coefficients

Intercept:	0
Slope:	0.01717

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	17.174855	20.0	49667639.0	0.017175	Y



Calibration / PCB-1242 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

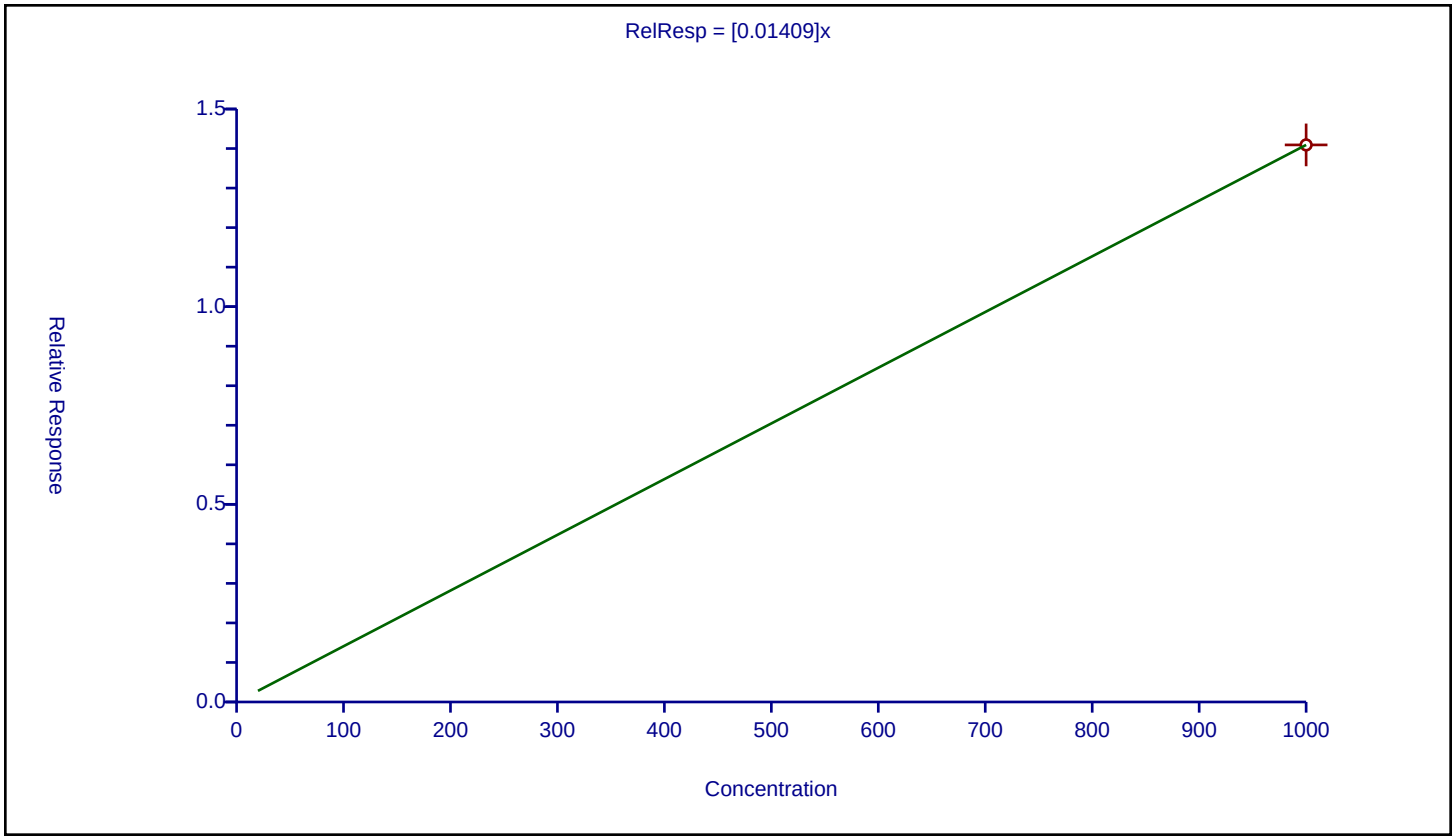
Curve Coefficients

Intercept:	0
Slope:	0.01409

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	14.0919	20.0	49667639.0	0.014092	Y



Calibration / PCB-1242 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

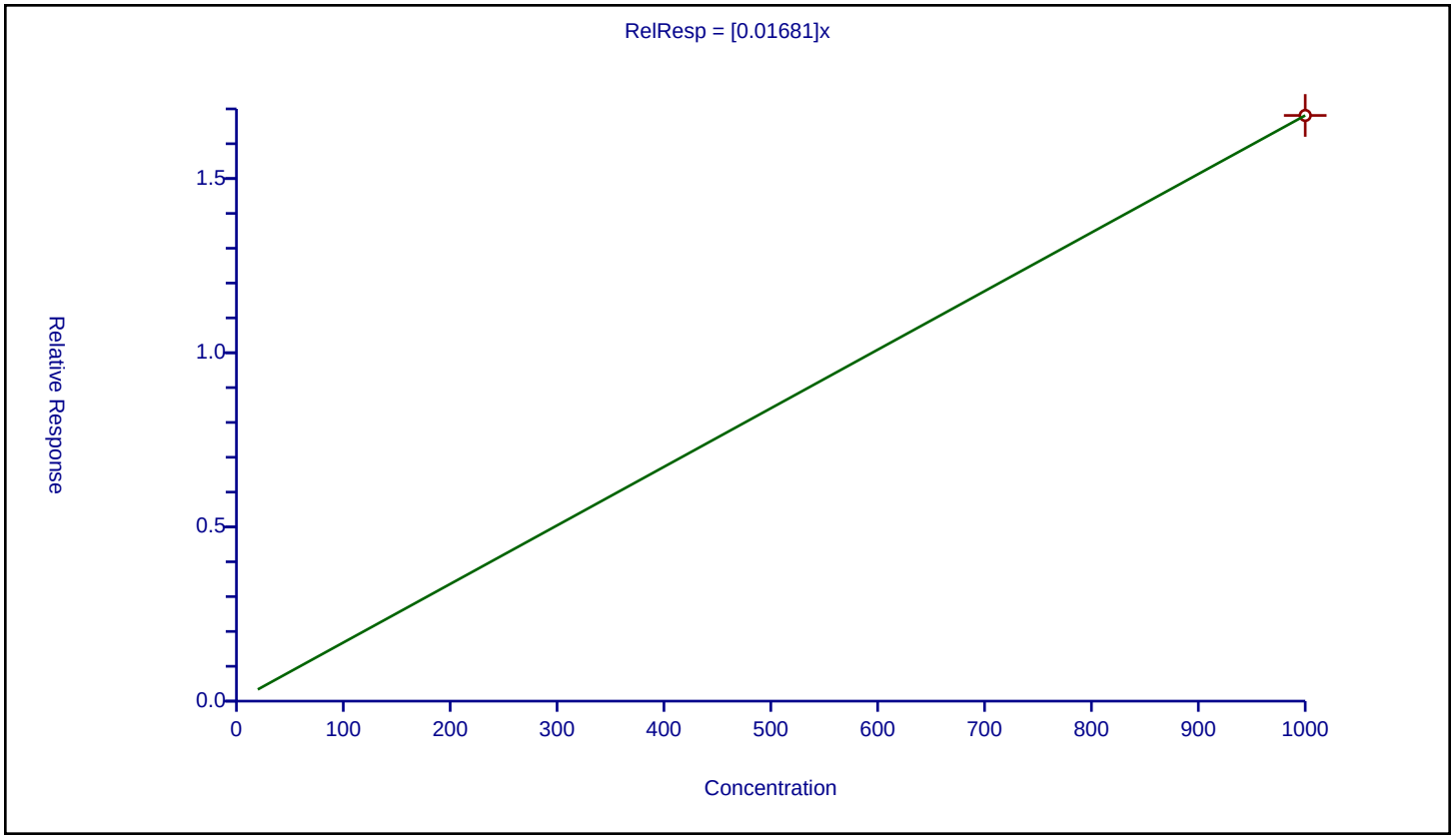
Curve Coefficients

Intercept:	0
Slope:	0.01681

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	16.81176	20.0	49667639.0	0.016812	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 Calibration End Date: 12/21/2023 12:56 Calibration ID: 95521

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1242 Peak 1	0.0141					Ave		0.0141						20.0			
PCB-1242 Peak 2	0.0284					Ave		0.0284						20.0			
PCB-1242 Peak 3	0.0186					Ave		0.0186						20.0			
PCB-1242 Peak 4	0.0587					Ave		0.0587						20.0			
PCB-1242 Peak 5	0.0247					Ave		0.0247						20.0			
PCB-1242 Peak 6	0.0162					Ave		0.0162						20.0			
PCB-1242 Peak 7	0.0261					Ave		0.0261						20.0			
PCB-1242 Peak 8	0.0444					Ave		0.0444						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 12:56 | Calibration End Date: 12/21/2023 12:56 | Calibration ID: 95521

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/10	11F0029075.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1242 Peak 1	BNB	Ave	32009388					1000				
PCB-1242 Peak 2	BNB	Ave	64490403					1000				
PCB-1242 Peak 3	BNB	Ave	42274487					1000				
PCB-1242 Peak 4	BNB	Ave	133113778					1000				
PCB-1242 Peak 5	BNB	Ave	56071136					1000				
PCB-1242 Peak 6	BNB	Ave	36741274					1000				
PCB-1242 Peak 7	BNB	Ave	59253599					1000				
PCB-1242 Peak 8	BNB	Ave	100755490					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Lims ID: IC 1242
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 12:56:38 ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-010
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub5

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:13 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49667639	20.0	20.0	
2	1.227	1.227	0.000	45364679	20.0	20.0	M
						RPD = 0.00	
4 PCB-1242							M
1	2.912	2.912	0.000	25629218	1000.0	1000.0	
1	3.402	3.402	0.000	49180779	1000.0	1000.0	M
1	3.947	3.947	0.000	106498435	1000.0	1000.0	M
1	4.112	4.112	0.000	46178038	1000.0	1000.0	M
1	4.237	4.237	0.000	37686294	1000.0	1000.0	M
1	4.838	4.838	0.000	42651724	1000.0	1000.0	M
1	5.153	5.153	0.000	34995569	1000.0	1000.0	M
1	5.206	5.206	0.000	41750022	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.188	2.188	0.000	32009388	1000.0	1000.0	M
2	2.549	2.549	0.000	64490403	1000.0	1000.0	M
2	2.747	2.747	0.000	42274487	1000.0	1000.0	M
2	3.030	3.030	0.000	133113778	1000.0	1000.0	M
2	3.177	3.177	0.000	56071136	1000.0	1000.0	M
2	3.242	3.242	0.000	36741274	1000.0	1000.0	M
2	3.634	3.634	0.000	59253599	1000.0	1000.0	M
2	4.120	4.120	0.000	100755490	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

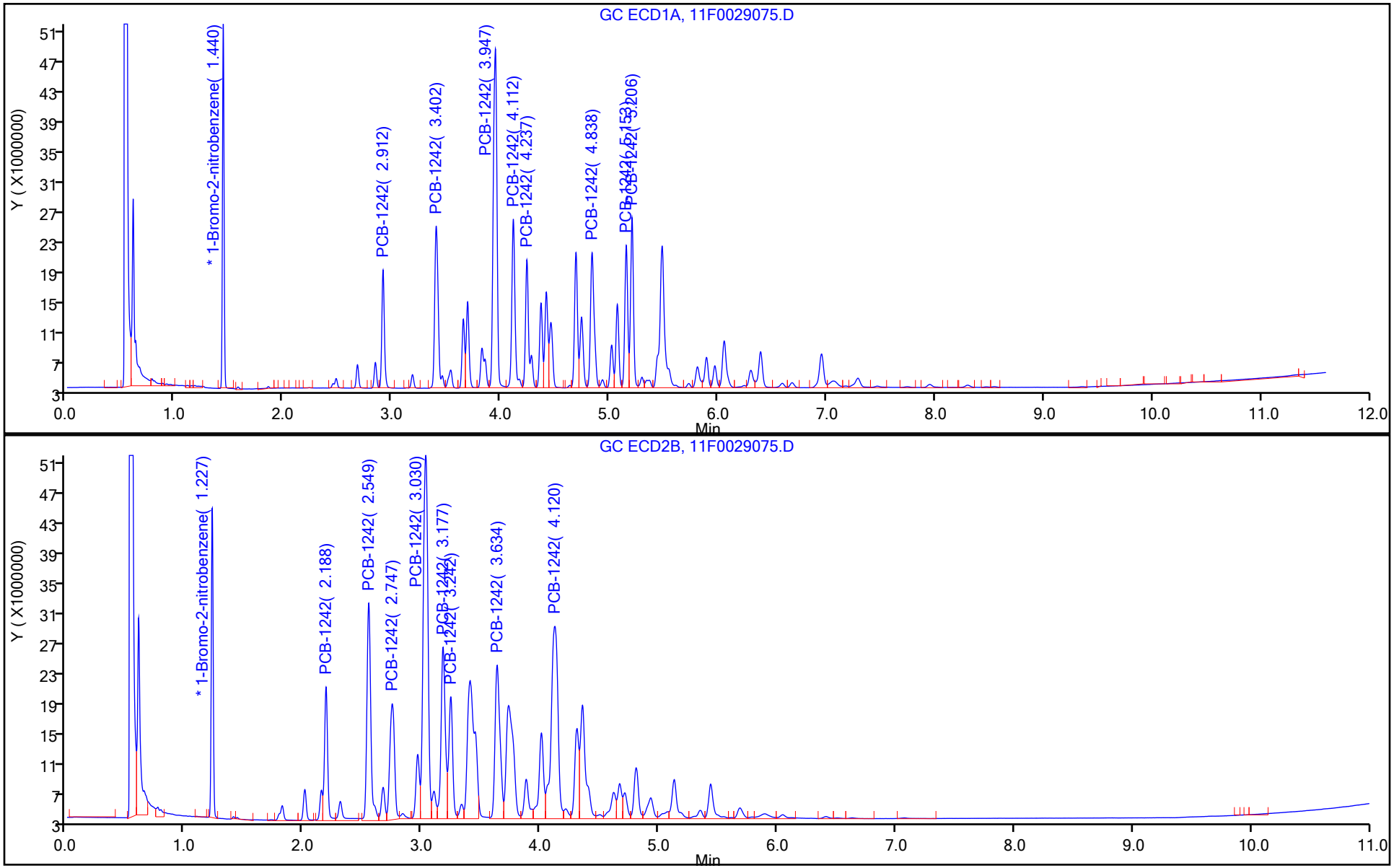
SG1242L4_00036	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:15 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D

Injection Date:	21-Dec-2023 12:56:38	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1242			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



Manual Integration/User Assign Peak Report

Eurofins Edison

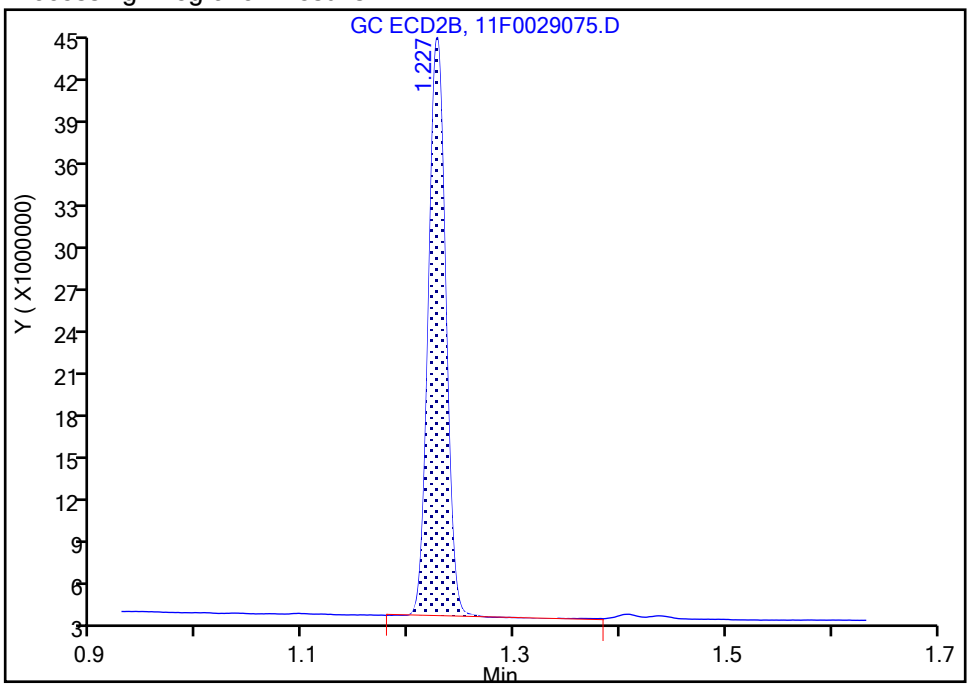
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

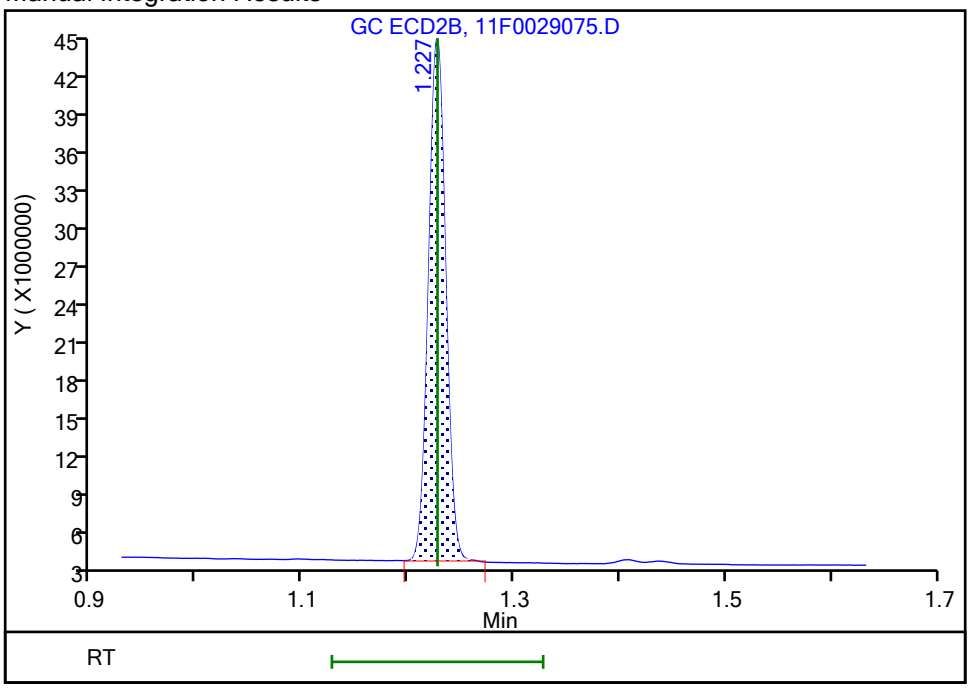
Processing Integration Results

RT: 1.23
Area: 45618859
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 45364679
Amount: 20.000000
Amount Units: ug/l



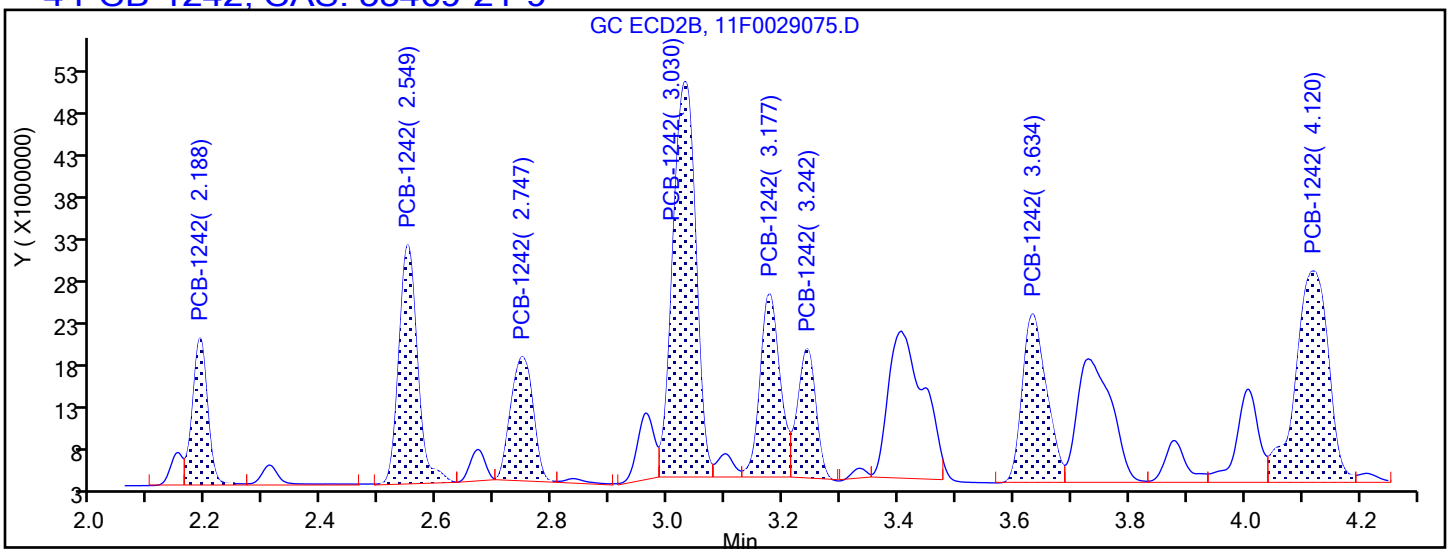
Reviewer: OR9X, 21-Dec-2023 14:18:45 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:15 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

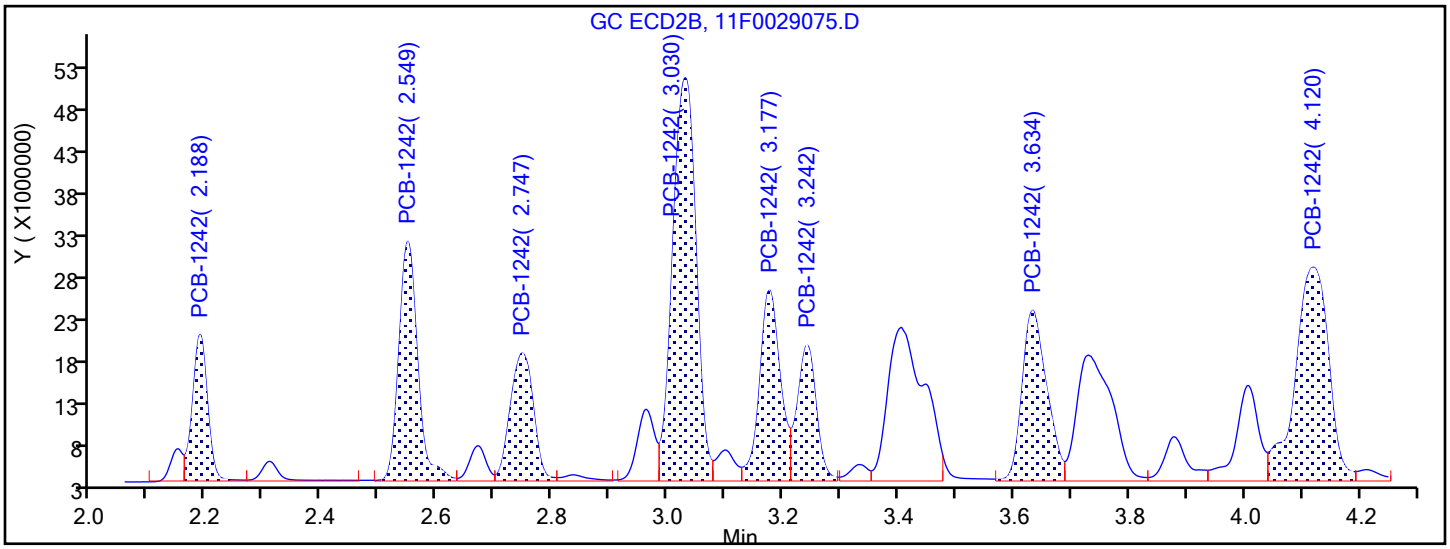
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029075.D
Injection Date: 21-Dec-2023 12:56:38 Instrument ID: CPESTGC11
Lims ID: IC 1242
Client ID:
Operator ID: ALS Bottle#: 26 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

4 PCB-1242, CAS: 53469-21-9



Processing Integration Results

2.188	Response = 30757715
2.549	Response = 62184716
2.747	Response = 38289474
3.030	Response = 127024111
3.177	Response = 51023217
3.242	Response = 33252817
3.634	Response = 57718653
4.120	Response = 99269517



Manual Integration Results

2.188	Response = 32009388	M
2.549	Response = 64490403	M
2.747	Response = 42274487	M
3.030	Response = 133113778	M
3.177	Response = 56071136	M
3.242	Response = 36741274	M

Calibration / PCB-1242 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

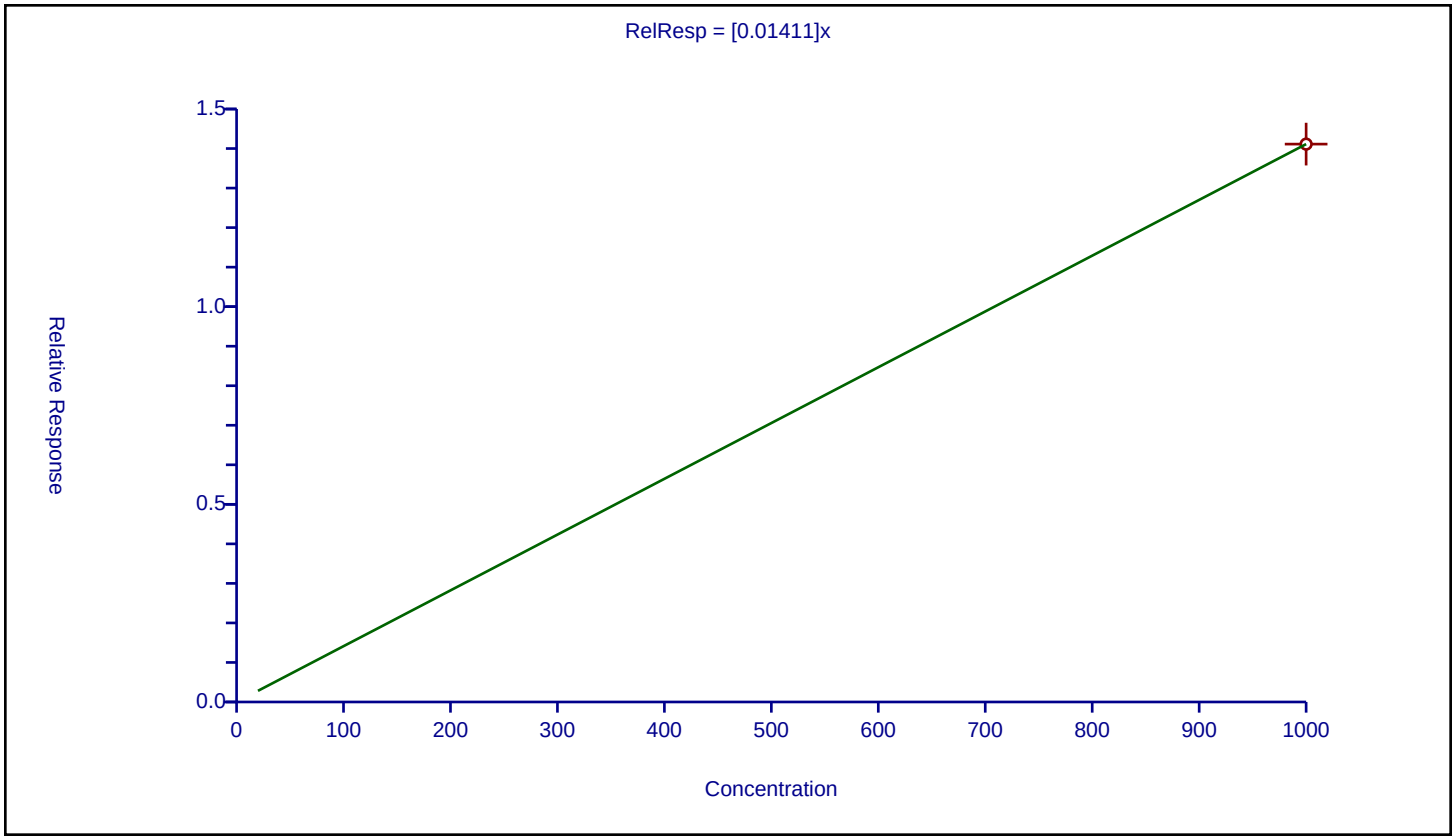
Curve Coefficients

Intercept:	0
Slope:	0.01411

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	14.112031	20.0	45364679.0	0.014112	Y



Calibration / PCB-1242 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

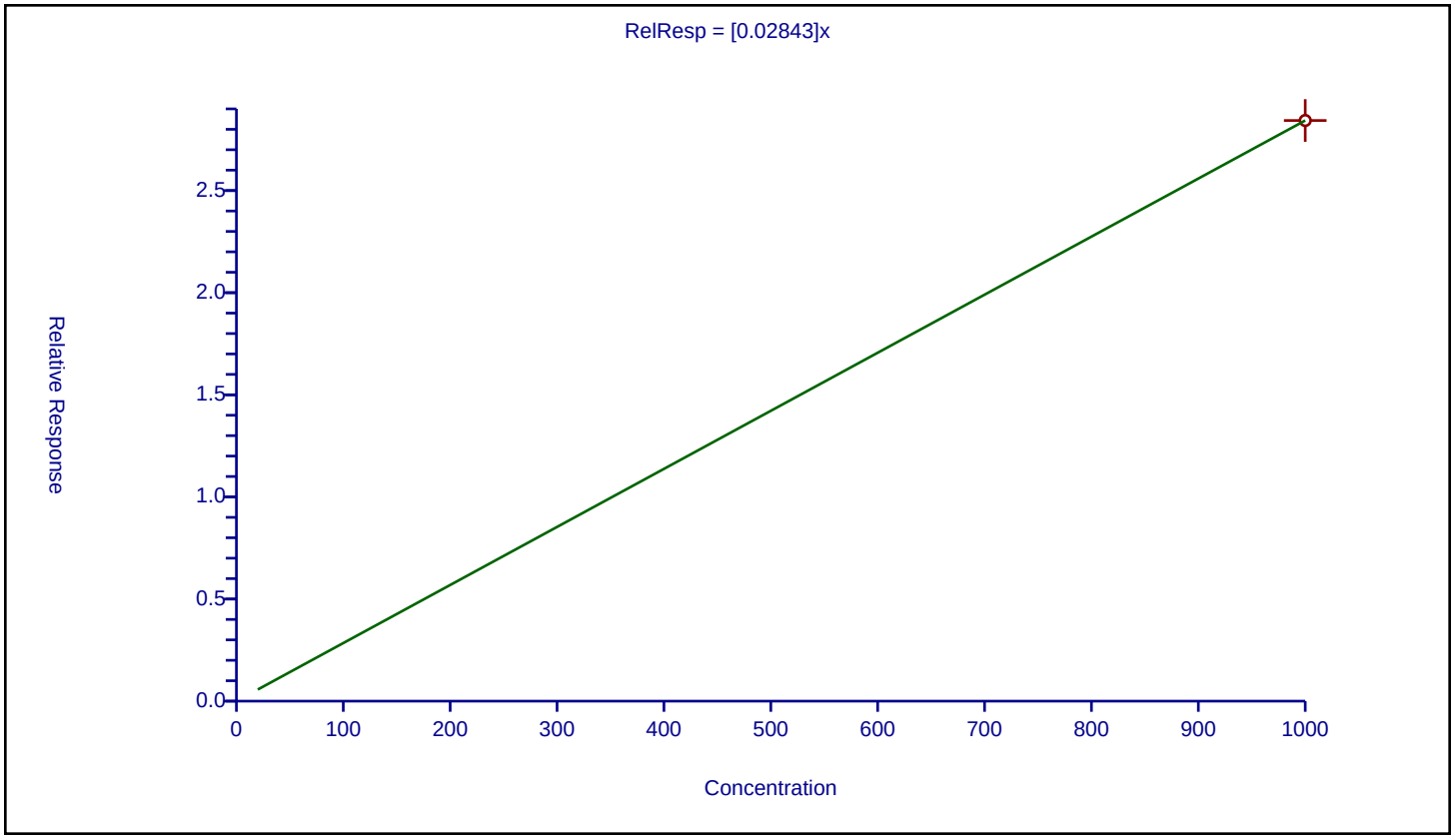
Curve Coefficients

Intercept:	0
Slope:	0.02843

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	28.431989	20.0	45364679.0	0.028432	Y



Calibration / PCB-1242 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

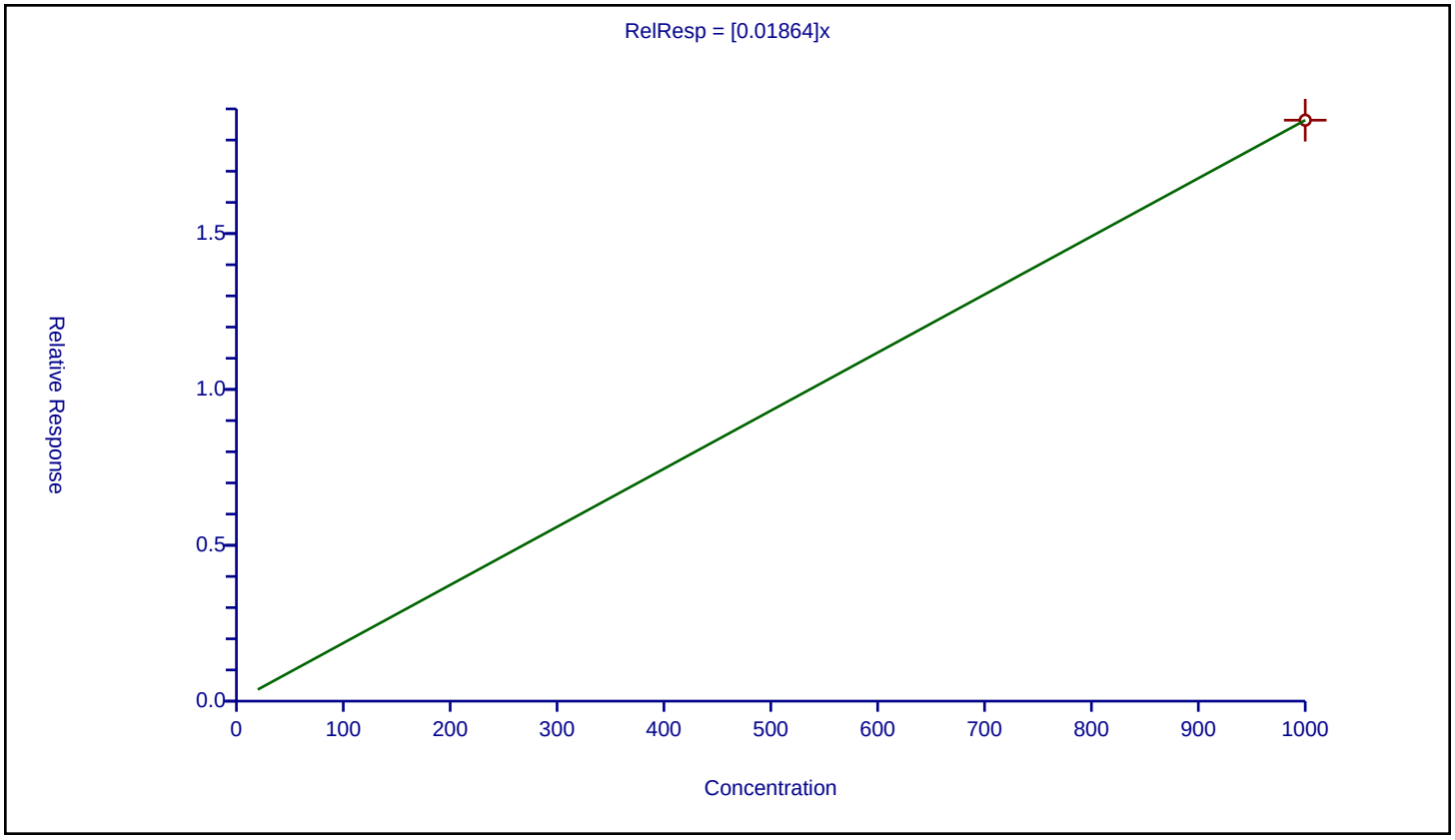
Curve Coefficients

Intercept:	0
Slope:	0.01864

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	18.637622	20.0	45364679.0	0.018638	Y



Calibration / PCB-1242 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

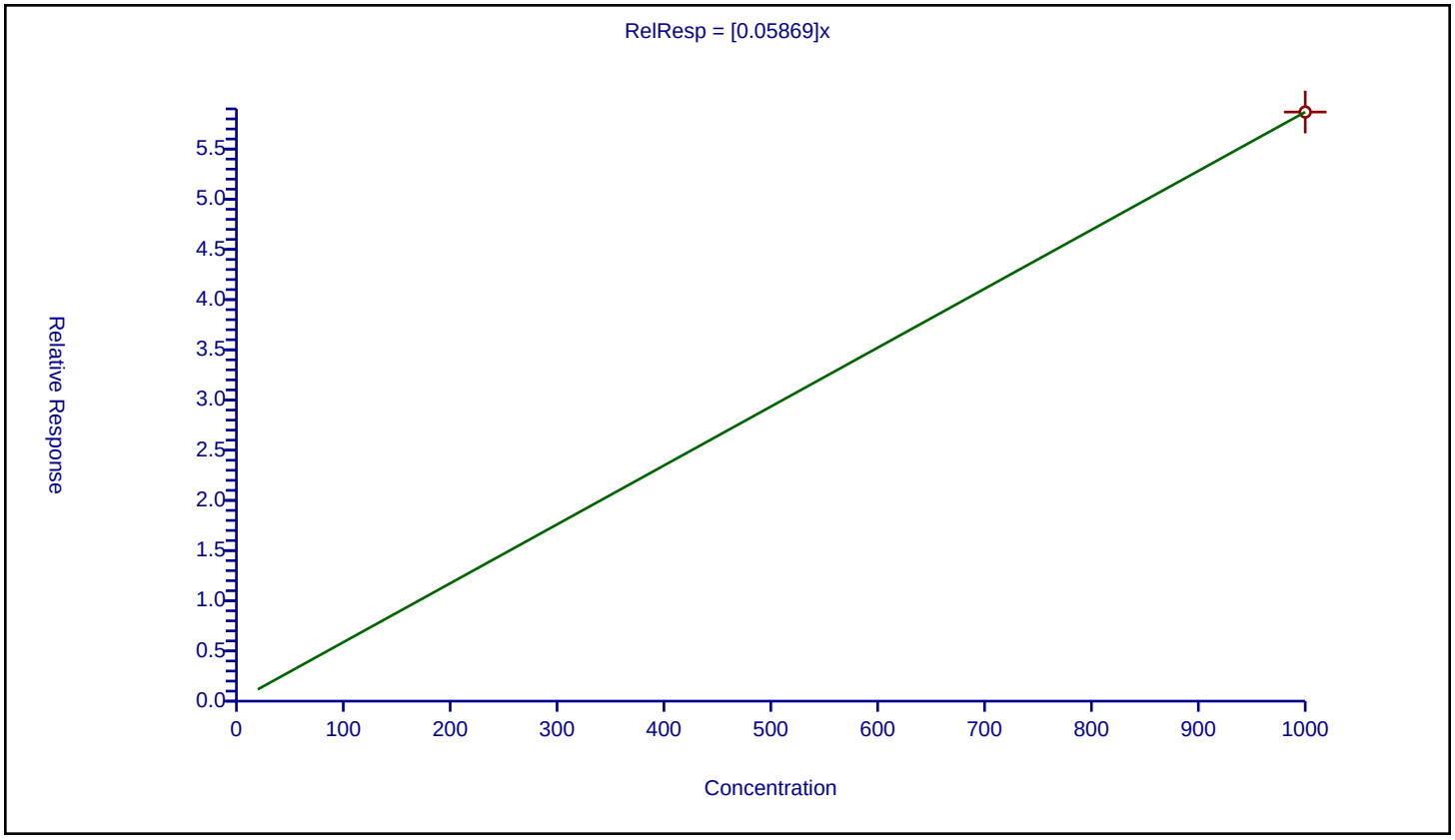
Curve Coefficients

Intercept:	0
Slope:	0.05869

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	58.686088	20.0	45364679.0	0.058686	Y



Calibration / PCB-1242 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

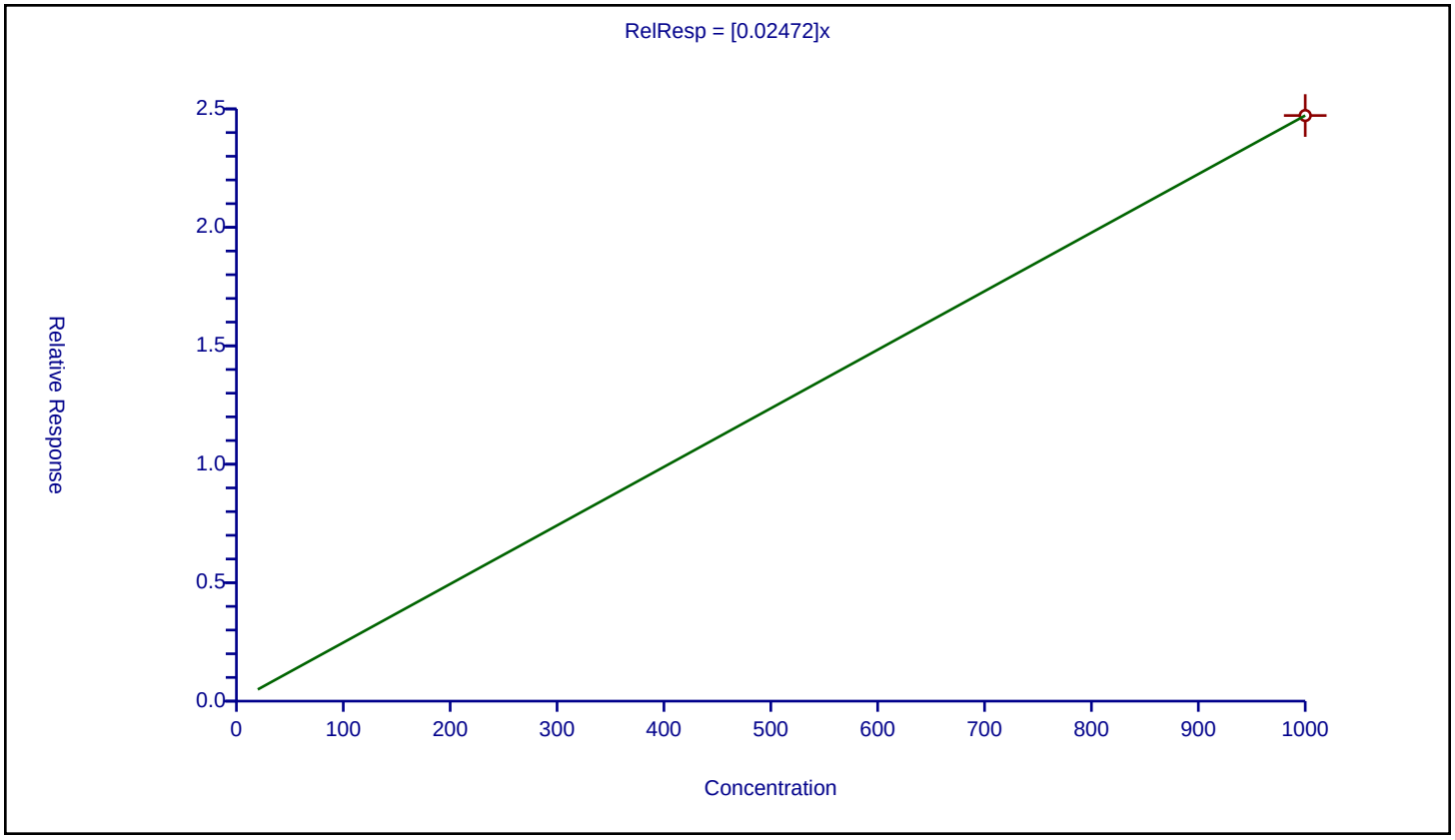
Curve Coefficients

Intercept:	0
Slope:	0.02472

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	24.720173	20.0	45364679.0	0.02472	Y



Calibration / PCB-1242 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

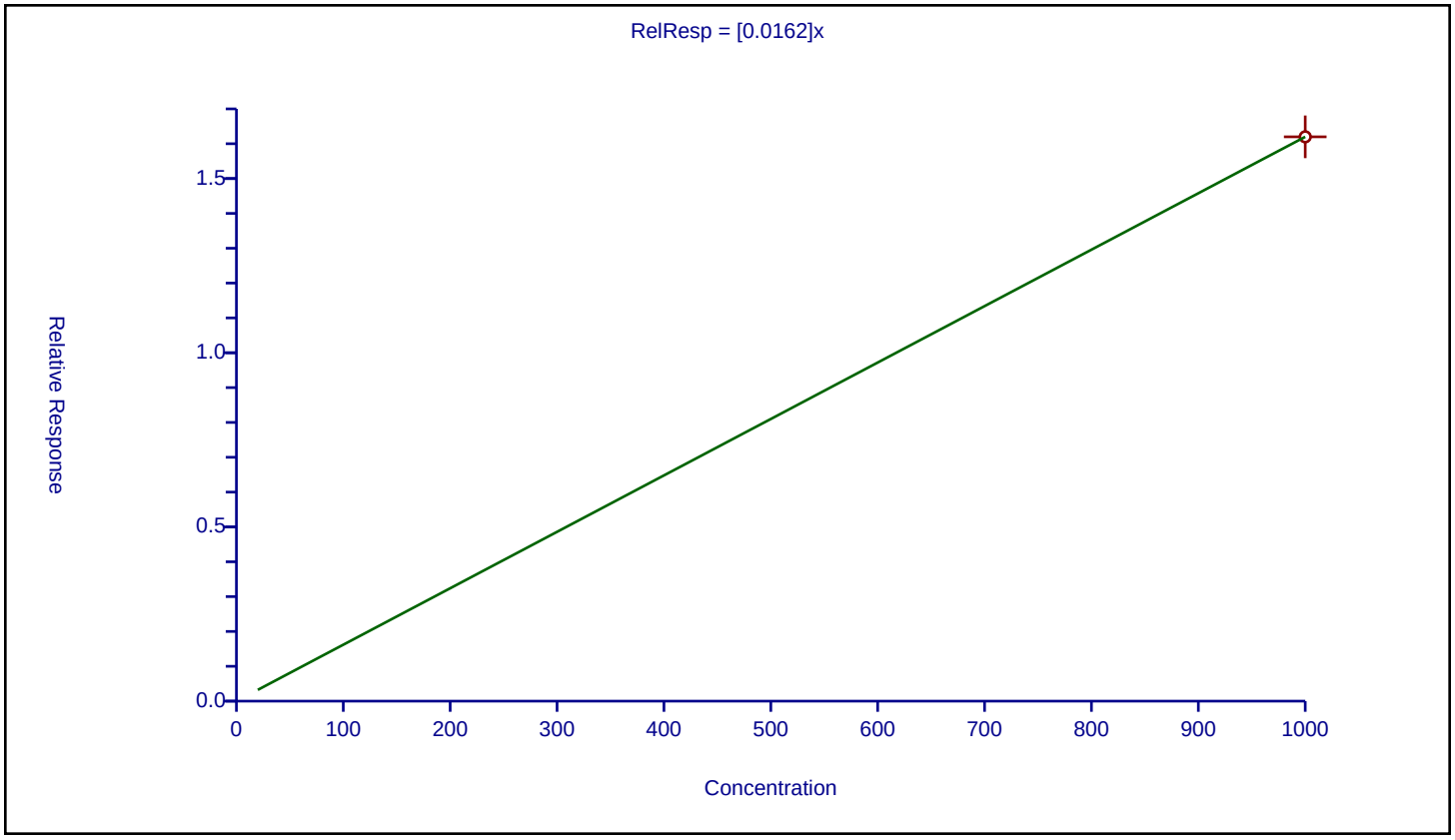
Curve Coefficients

Intercept:	0
Slope:	0.0162

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	16.198185	20.0	45364679.0	0.016198	Y



Calibration / PCB-1242 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

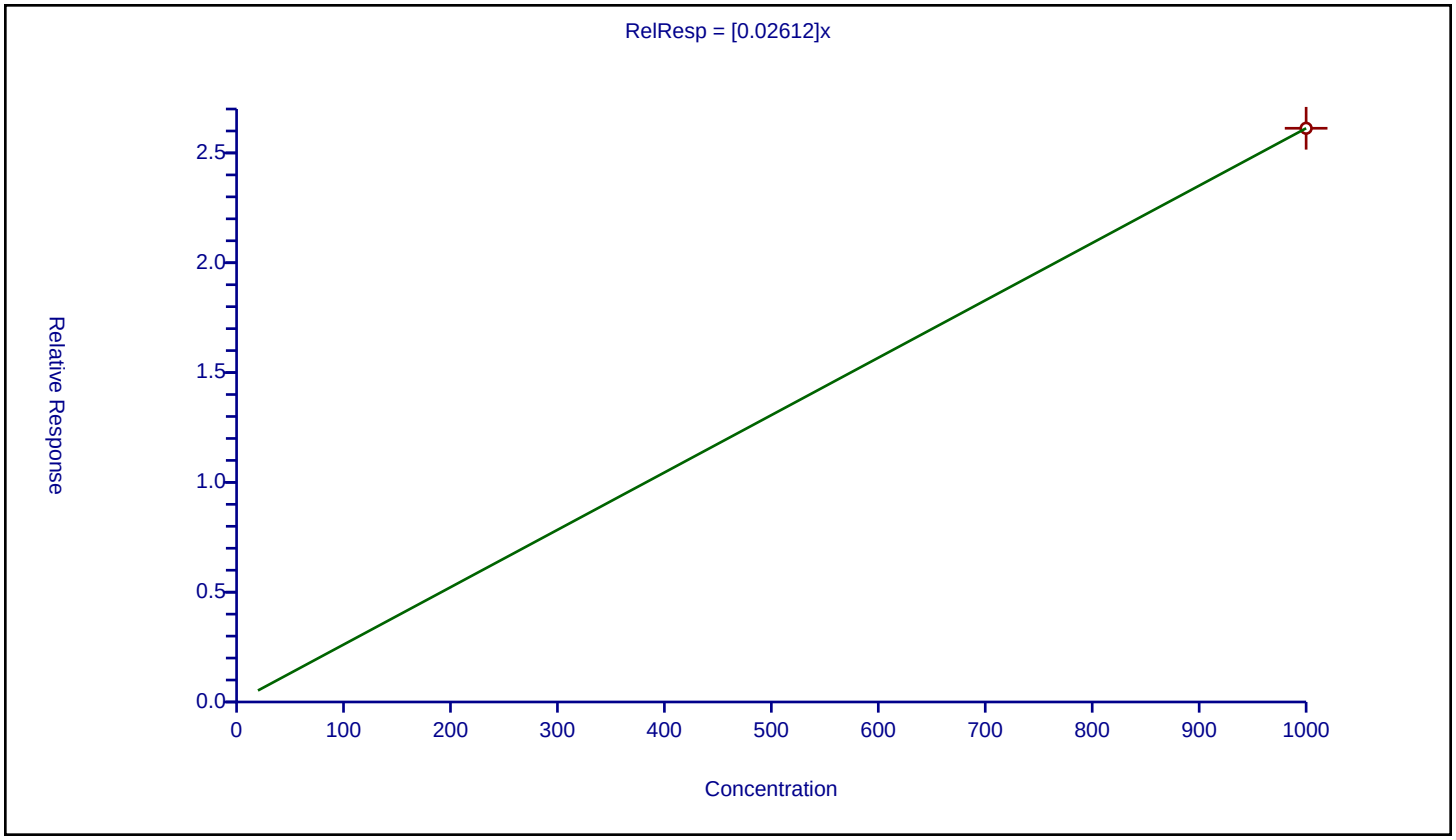
Curve Coefficients

Intercept:	0
Slope:	0.02612

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	26.123231	20.0	45364679.0	0.026123	Y



Calibration / PCB-1242 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

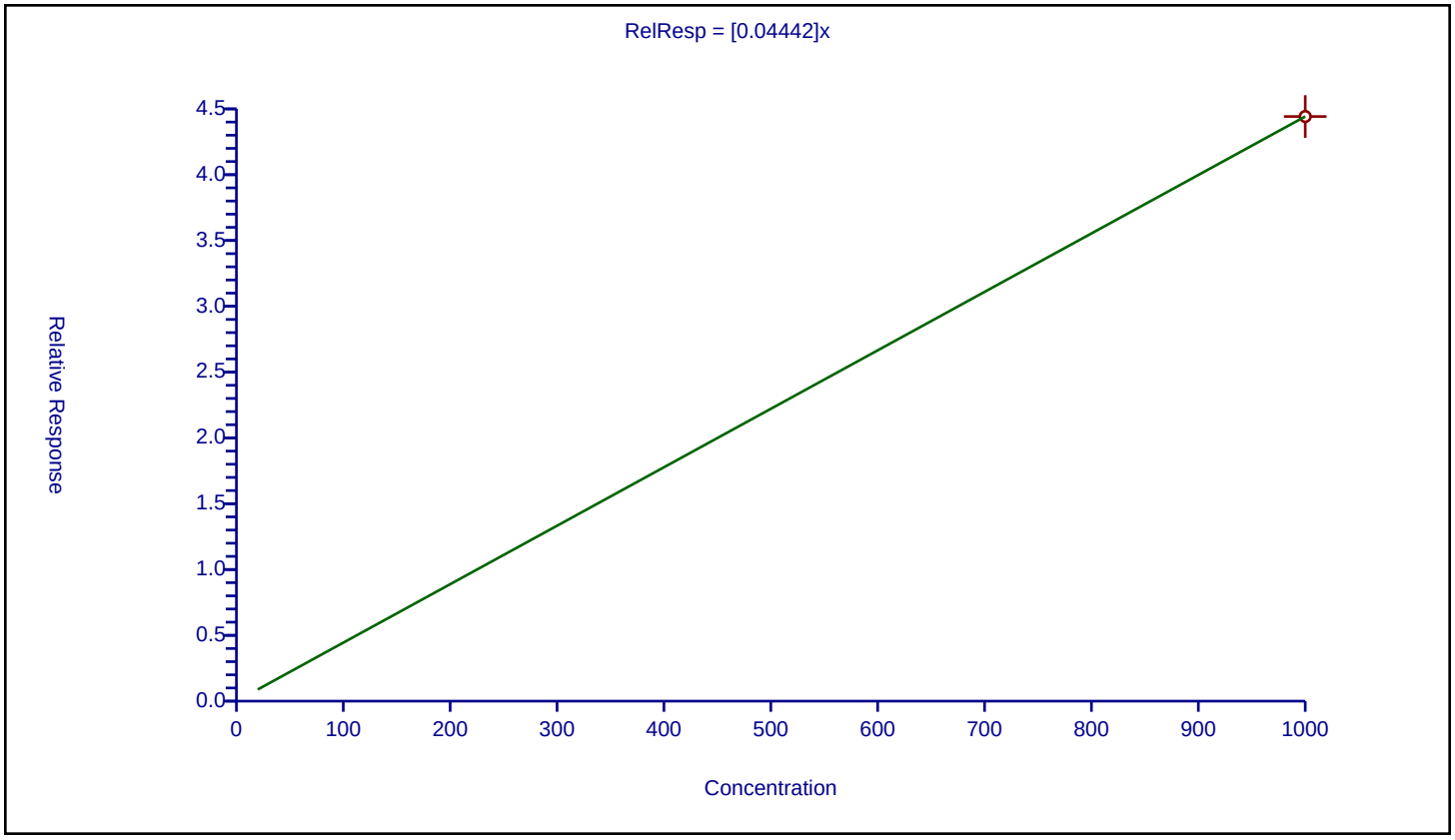
Curve Coefficients

Intercept:	0
Slope:	0.04442

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/10	1000.0	44.420237	20.0	45364679.0	0.04442	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 Calibration End Date: 12/21/2023 13:13 Calibration ID: 95526

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0097					Ave		0.0097						20.0			
PCB-1248 Peak 2	0.0284					Ave		0.0284						20.0			
PCB-1248 Peak 3	0.0160					Ave		0.0160						20.0			
PCB-1248 Peak 4	0.0156					Ave		0.0156						20.0			
PCB-1248 Peak 5	0.0280					Ave		0.0280						20.0			
PCB-1248 Peak 6	0.0276					Ave		0.0276						20.0			
PCB-1248 Peak 7	0.0322					Ave		0.0322						20.0			
PCB-1248 Peak 8	0.0180					Ave		0.0180						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 | Calibration End Date: 12/21/2023 13:13 | Calibration ID: 95526

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	23408467					1000				
PCB-1248 Peak 2	BNB	Ave	68897701					1000				
PCB-1248 Peak 3	BNB	Ave	38785451					1000				
PCB-1248 Peak 4	BNB	Ave	37722262					1000				
PCB-1248 Peak 5	BNB	Ave	67793741					1000				
PCB-1248 Peak 6	BNB	Ave	66981490					1000				
PCB-1248 Peak 7	BNB	Ave	77992368					1000				
PCB-1248 Peak 8	BNB	Ave	43643655					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:13:20 ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:18 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	48497799	20.0	20.0	
2	1.227	1.227	0.000	44318297	20.0	20.0	M
						RPD = 0.00	
6 PCB-1248							M
1	3.400	3.400	0.000	23408467	1000.0	1000.0	M
1	3.943	3.943	0.000	68897701	1000.0	1000.0	M
1	4.368	4.368	0.000	38785451	1000.0	1000.0	M
1	4.416	4.416	0.000	37722262	1000.0	1000.0	M
1	4.838	4.838	0.000	67793741	1000.0	1000.0	M
1	5.153	5.153	0.000	66981490	1000.0	1000.0	M
1	5.205	5.205	0.000	77992368	1000.0	1000.0	M
1	6.055	6.055	0.000	43643655	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.548	2.548	0.000	30458537	1000.0	1000.0	
2	3.026	3.026	0.000	85055313	1000.0	1000.0	
2	3.403	3.403	0.000	103876365	1000.0	1000.0	M
2	3.727	3.727	0.000	62792607	1000.0	1000.0	M
2	4.114	4.114	0.000	166948568	1000.0	1000.0	M
2	4.354	4.354	0.000	79967226	1000.0	1000.0	M
2	4.807	4.807	0.000	48315324	1000.0	1000.0	M
2	5.436	5.436	0.000	33940669	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

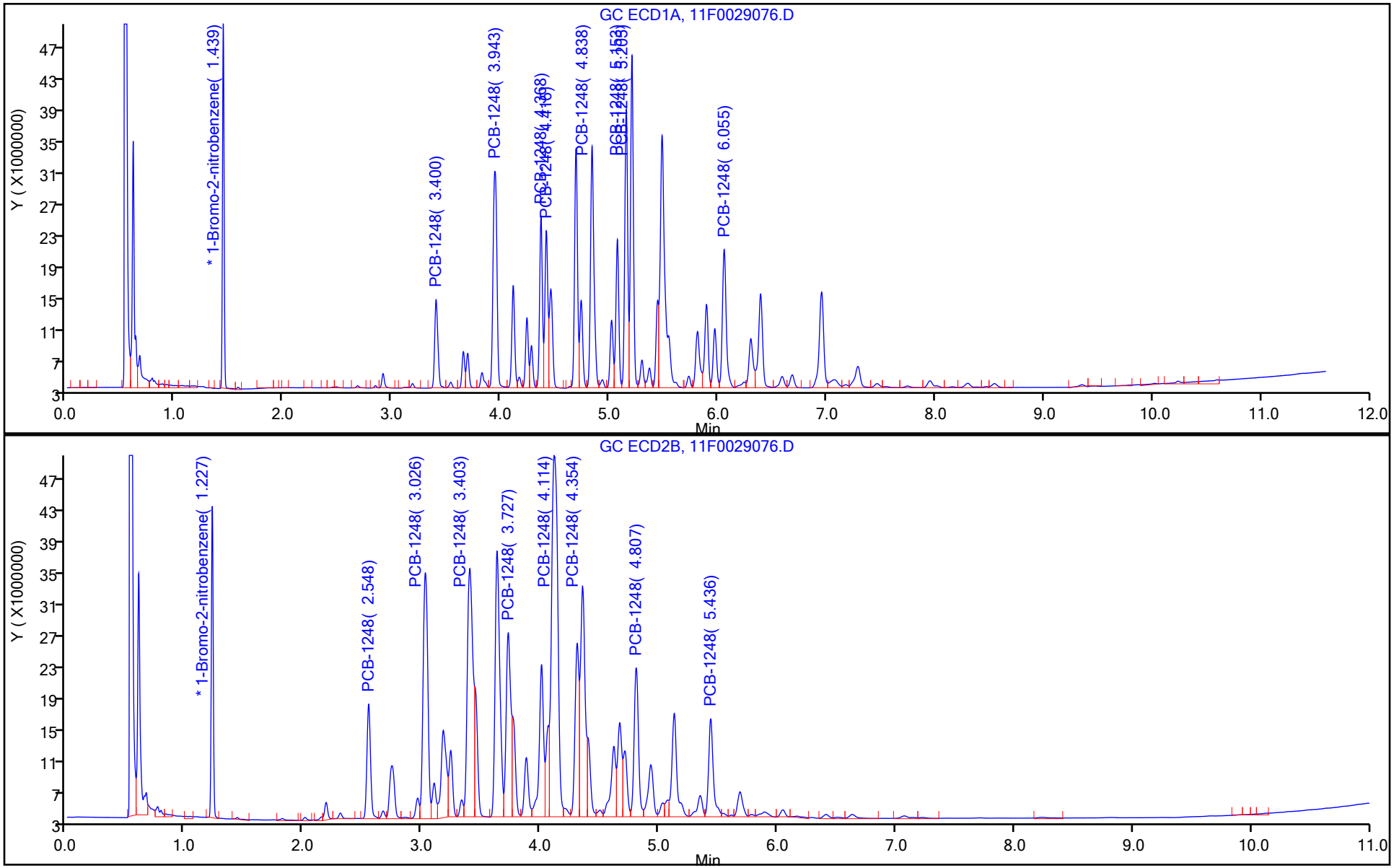
SG1248L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D

Injection Date:	21-Dec-2023 13:13:20	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



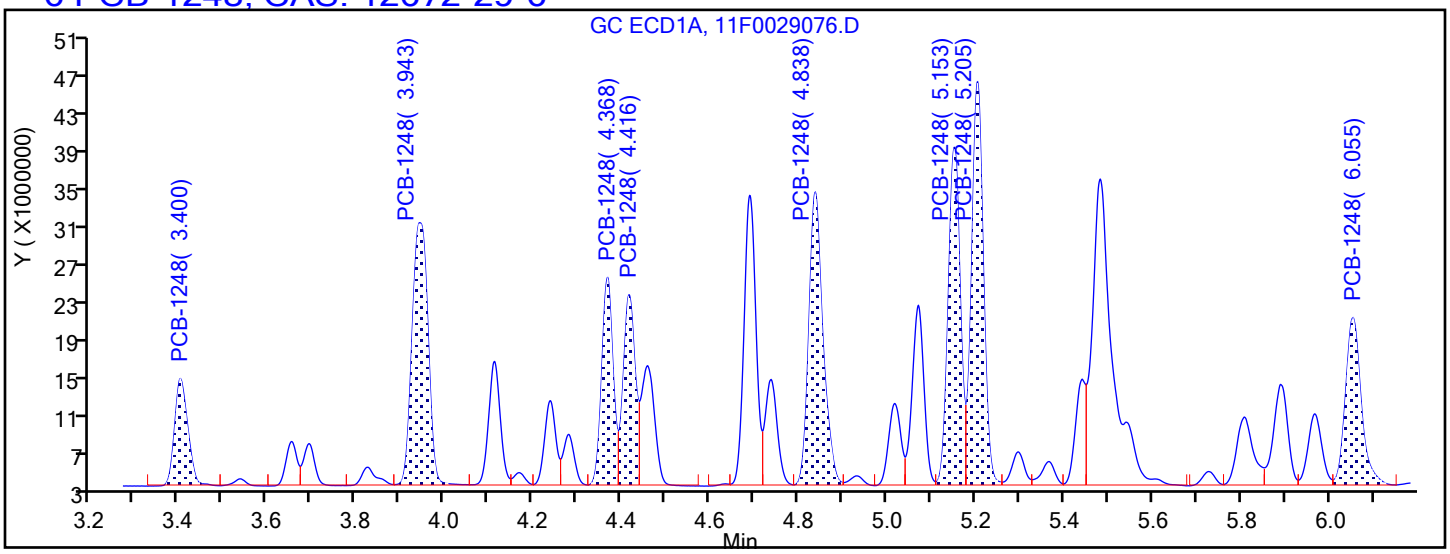
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

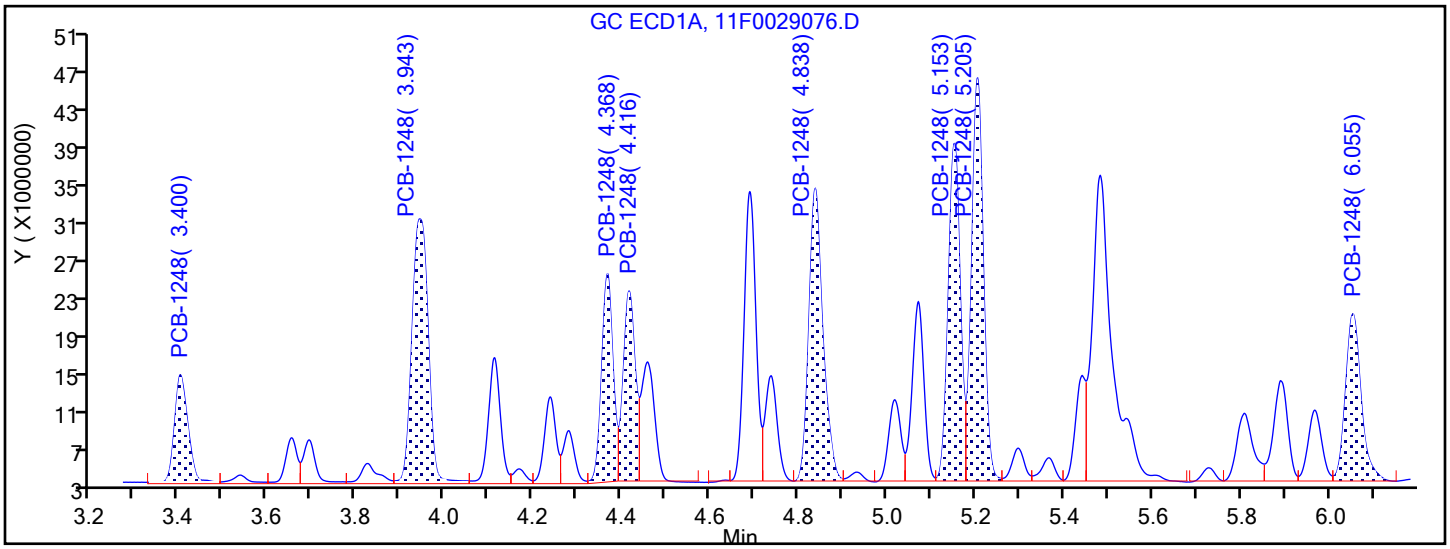
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

3.400	Response = 23229458
3.943	Response = 68052676
4.368	Response = 38491803
4.416	Response = 37537204
4.838	Response = 67435337
5.153	Response = 66840292
5.205	Response = 77830766
6.055	Response = 43504129



Manual Integration Results

3.400	Response = 23408467	M
3.943	Response = 68897701	M
4.368	Response = 38785451	M
4.416	Response = 37722262	M
4.838	Response = 67793741	M
5.153	Response = 66981490	M

Calibration / PCB-1248 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

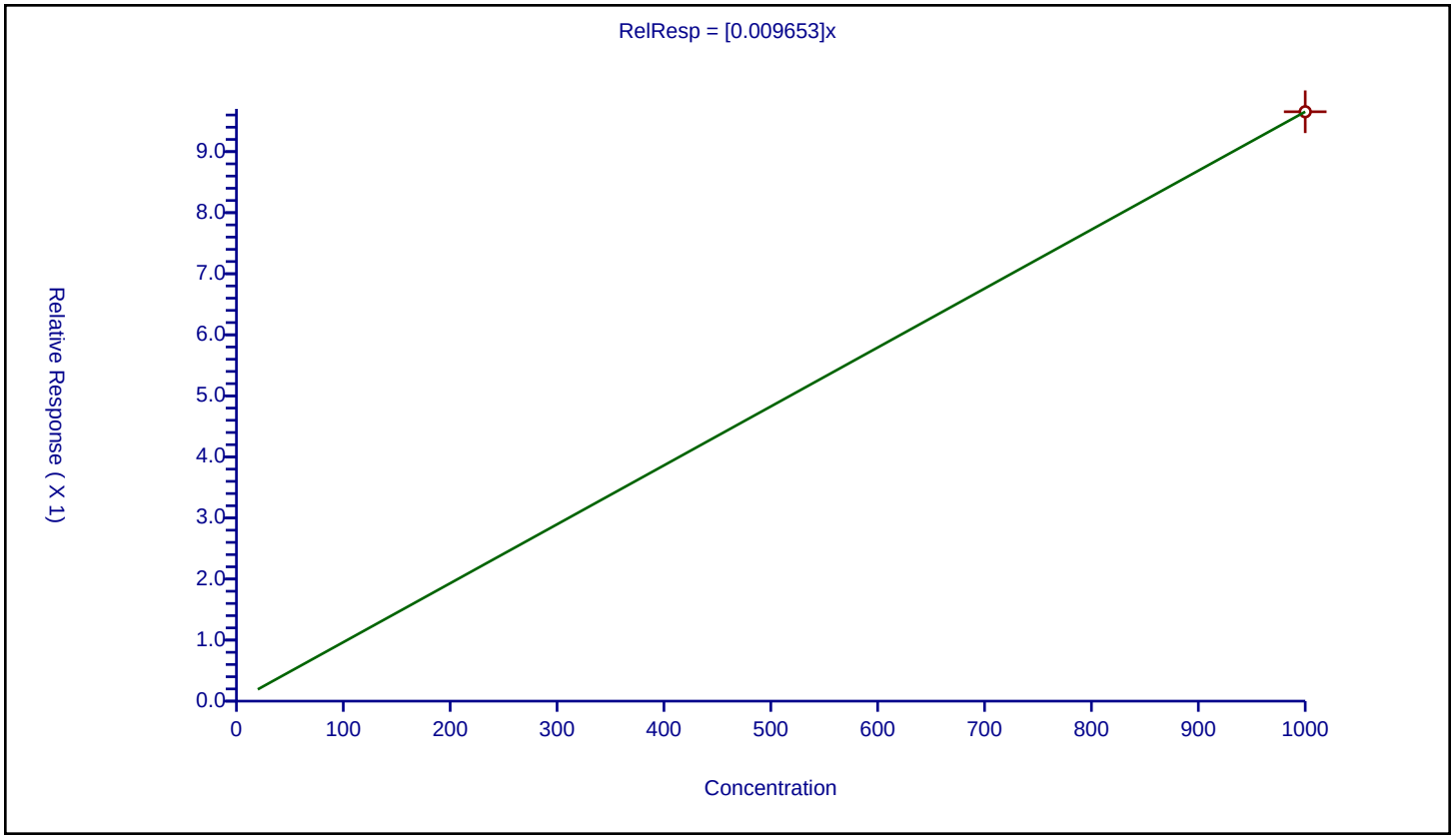
Curve Coefficients

Intercept:	0
Slope:	0.009653

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	9.653414	20.0	48497799.0	0.009653	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

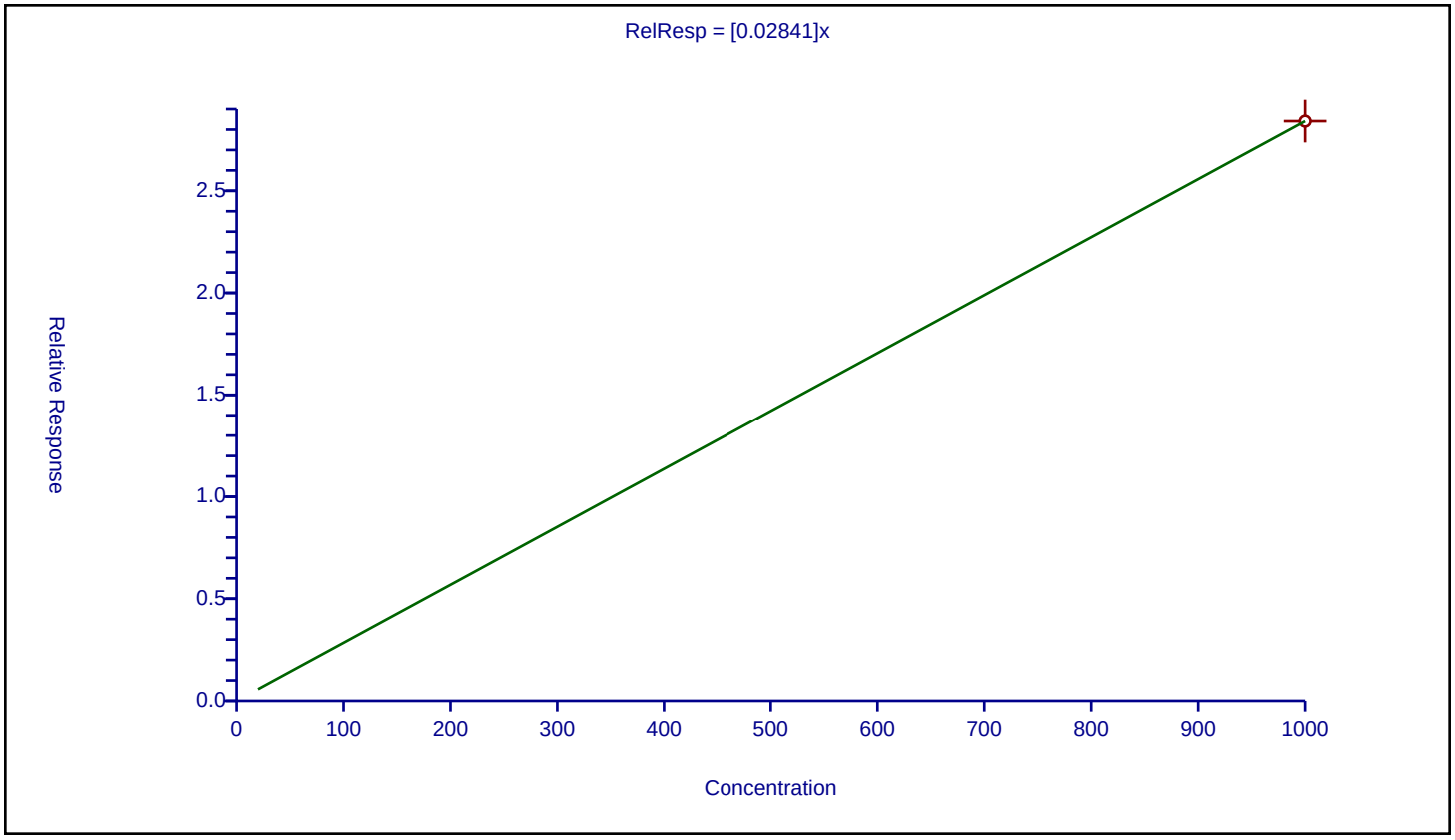
Curve Coefficients

Intercept:	0
Slope:	0.02841

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	28.412713	20.0	48497799.0	0.028413	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

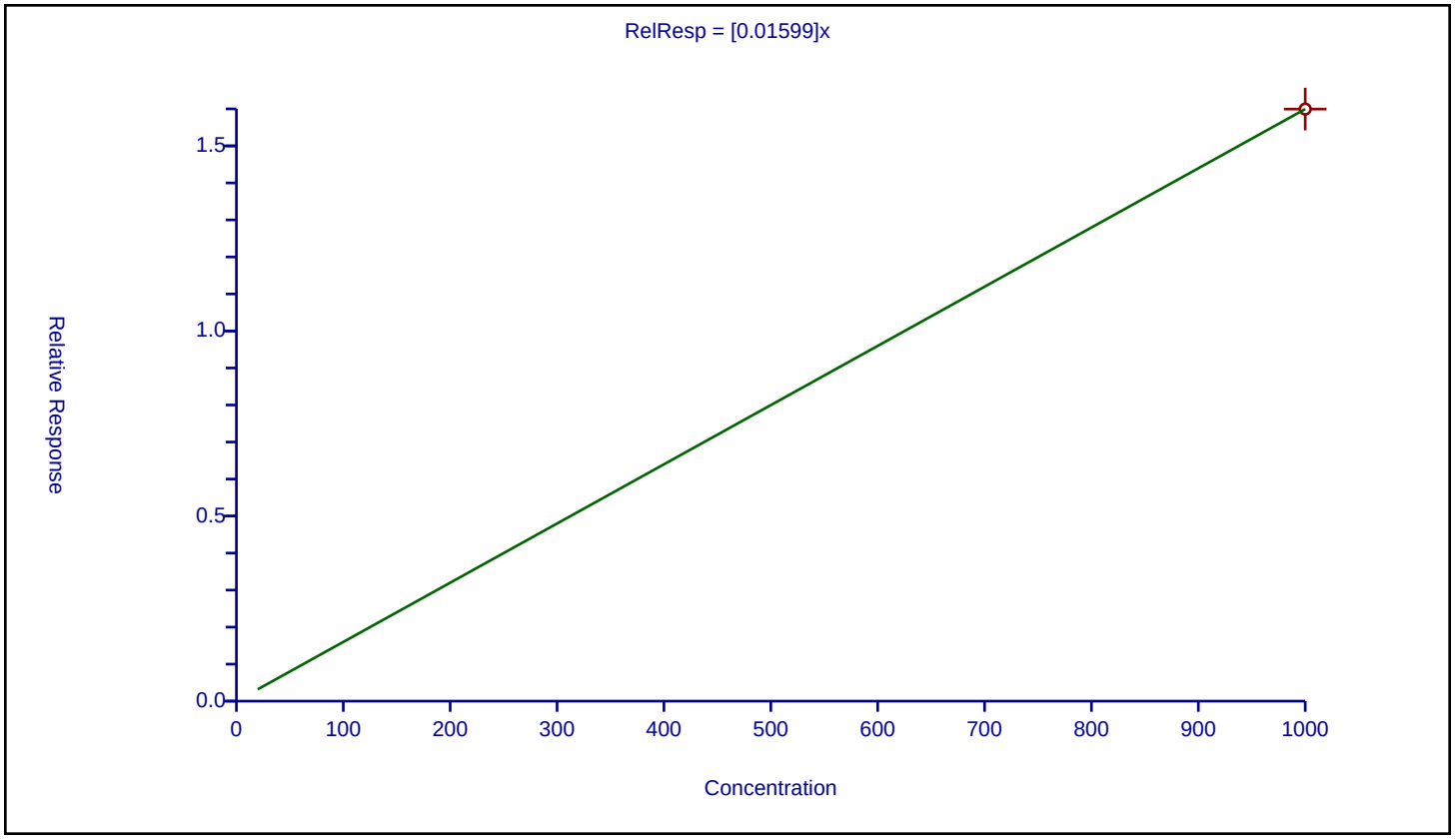
Curve Coefficients

Intercept:	0
Slope:	0.01599

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.994726	20.0	48497799.0	0.015995	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

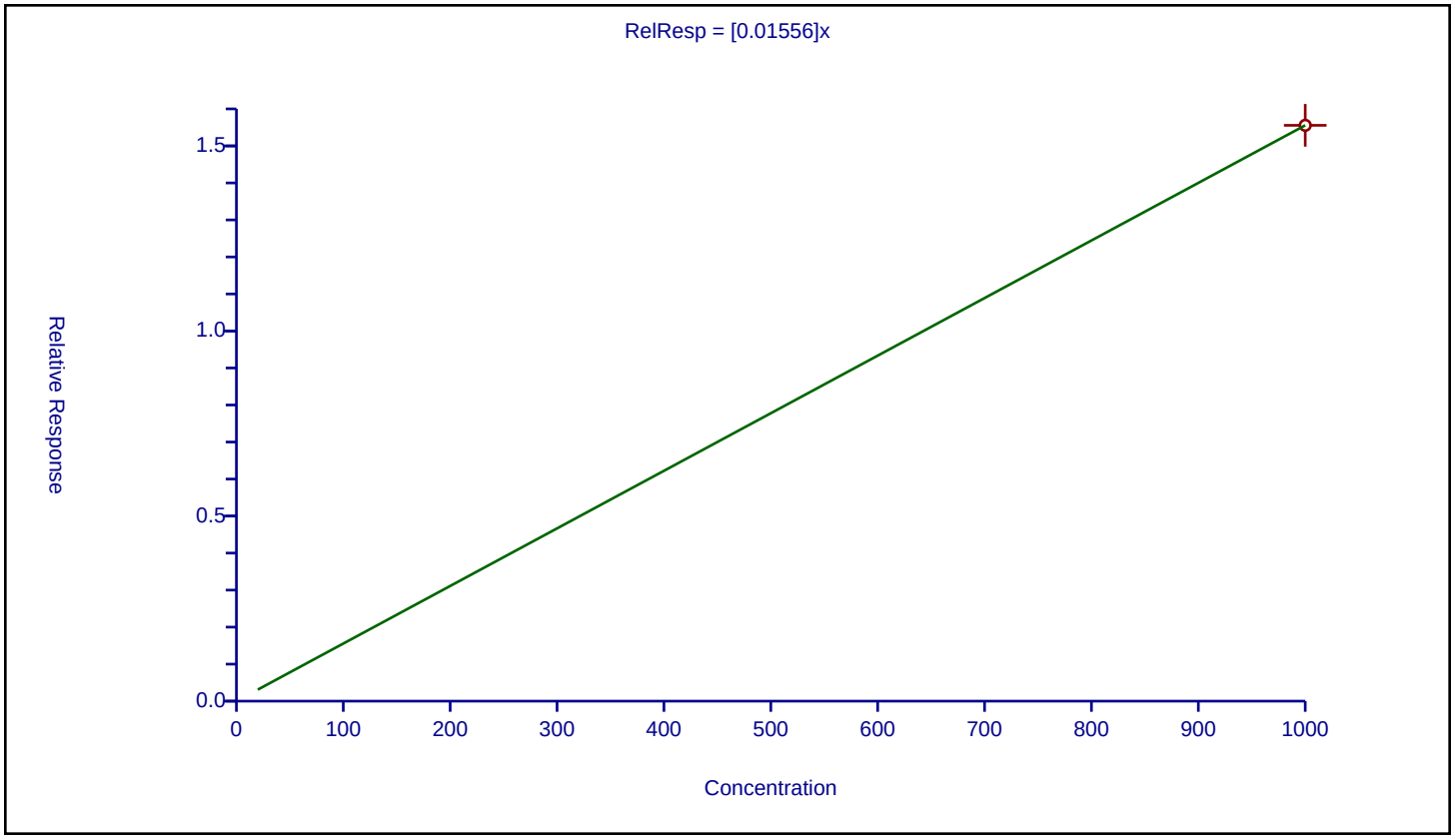
Curve Coefficients

Intercept:	0
Slope:	0.01556

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.556278	20.0	48497799.0	0.015556	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

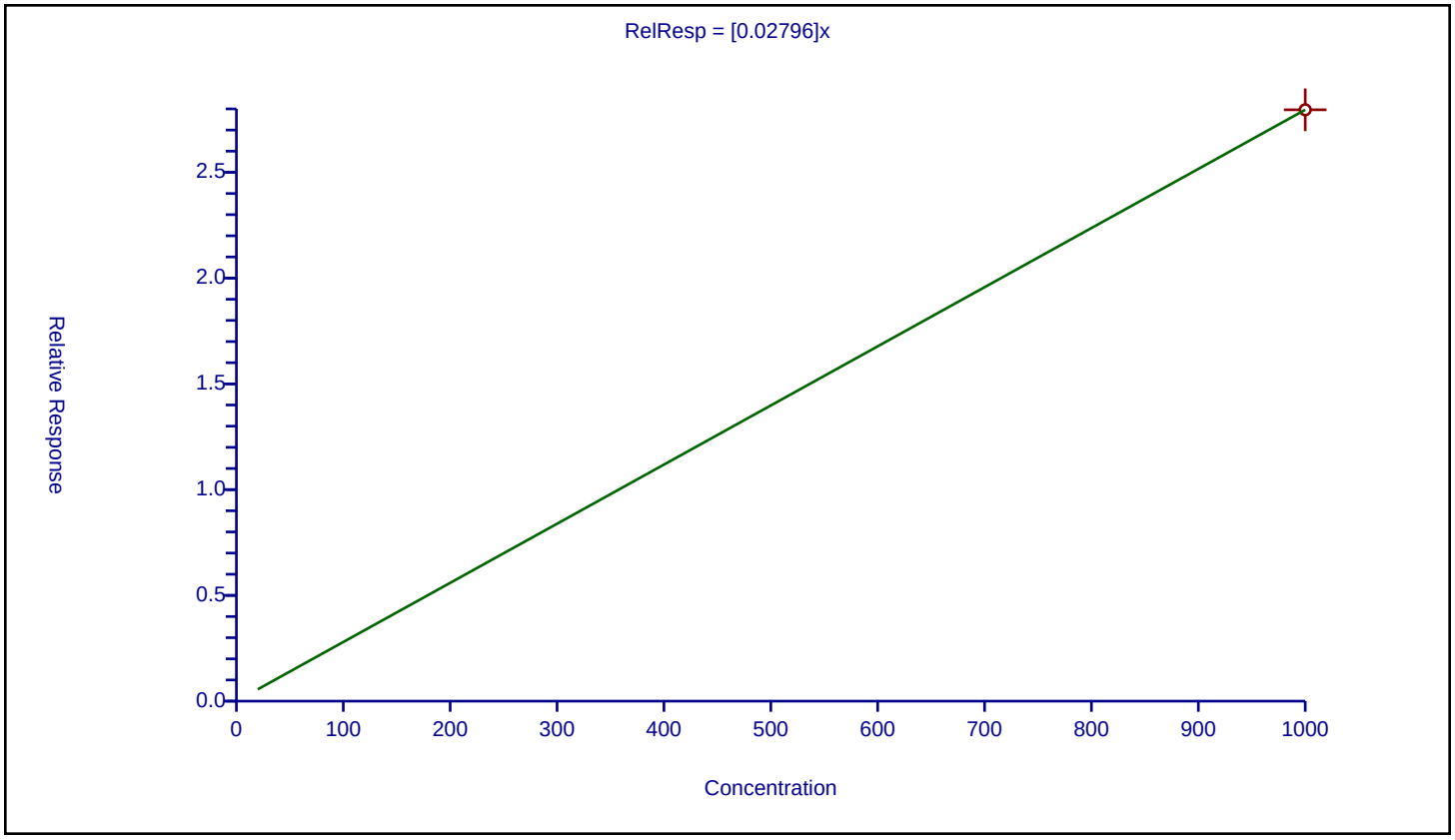
Curve Coefficients

Intercept:	0
Slope:	0.02796

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	27.957451	20.0	48497799.0	0.027957	Y



Calibration / PCB-1248 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

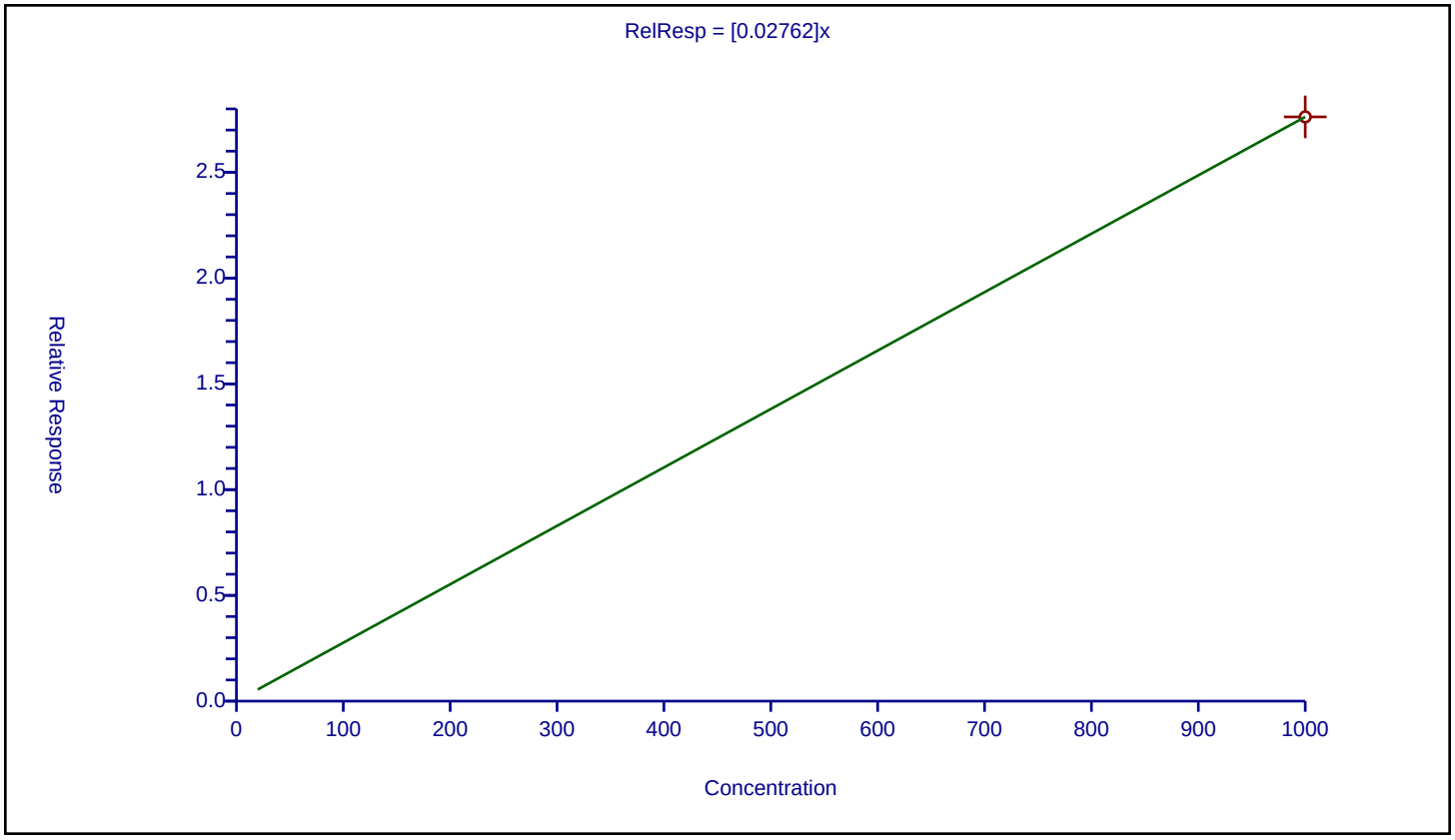
Curve Coefficients

Intercept:	0
Slope:	0.02762

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	27.622487	20.0	48497799.0	0.027622	Y



Calibration / PCB-1248 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

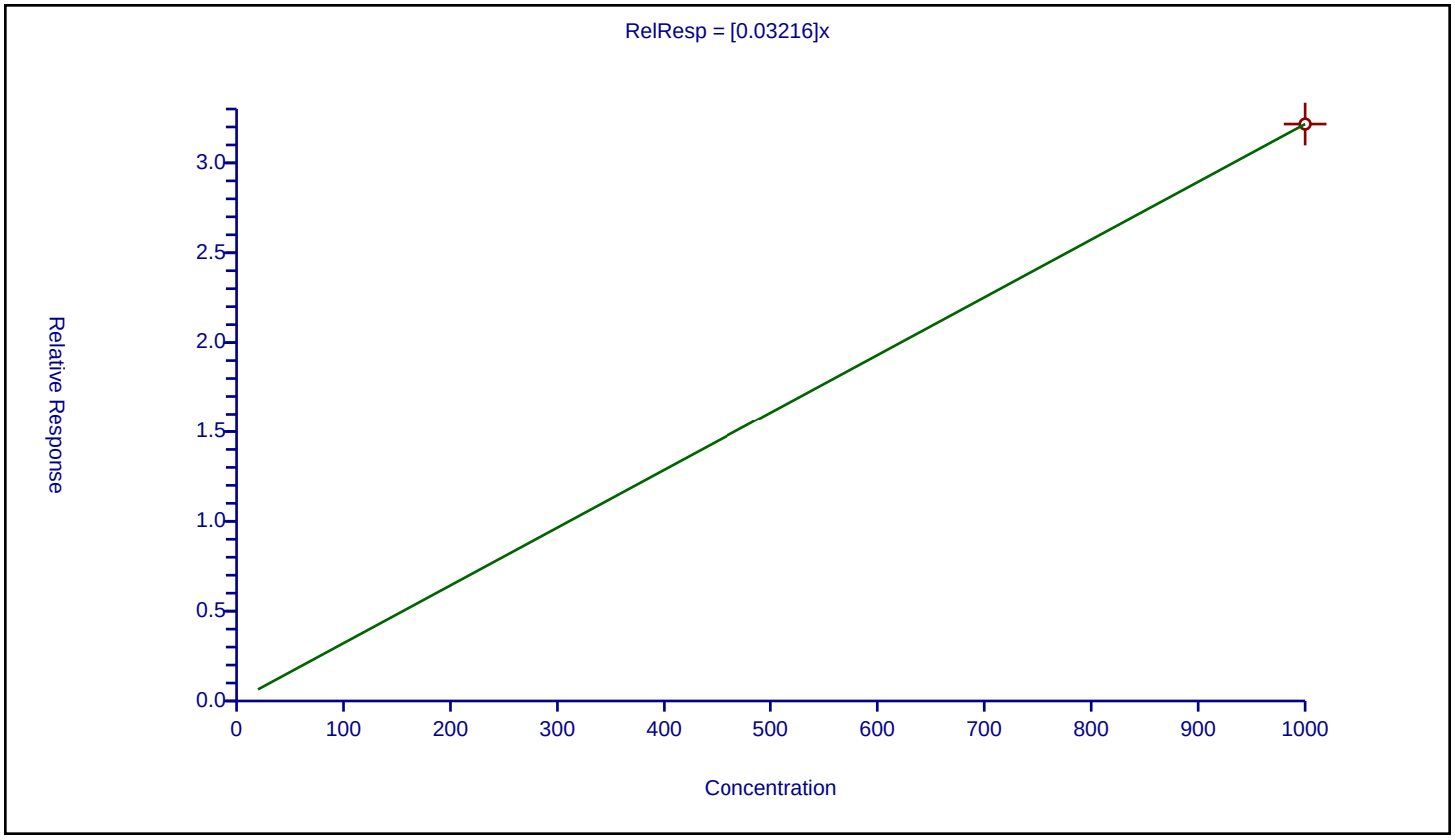
Curve Coefficients

Intercept:	0
Slope:	0.03216

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	32.163261	20.0	48497799.0	0.032163	Y



Calibration / PCB-1248 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

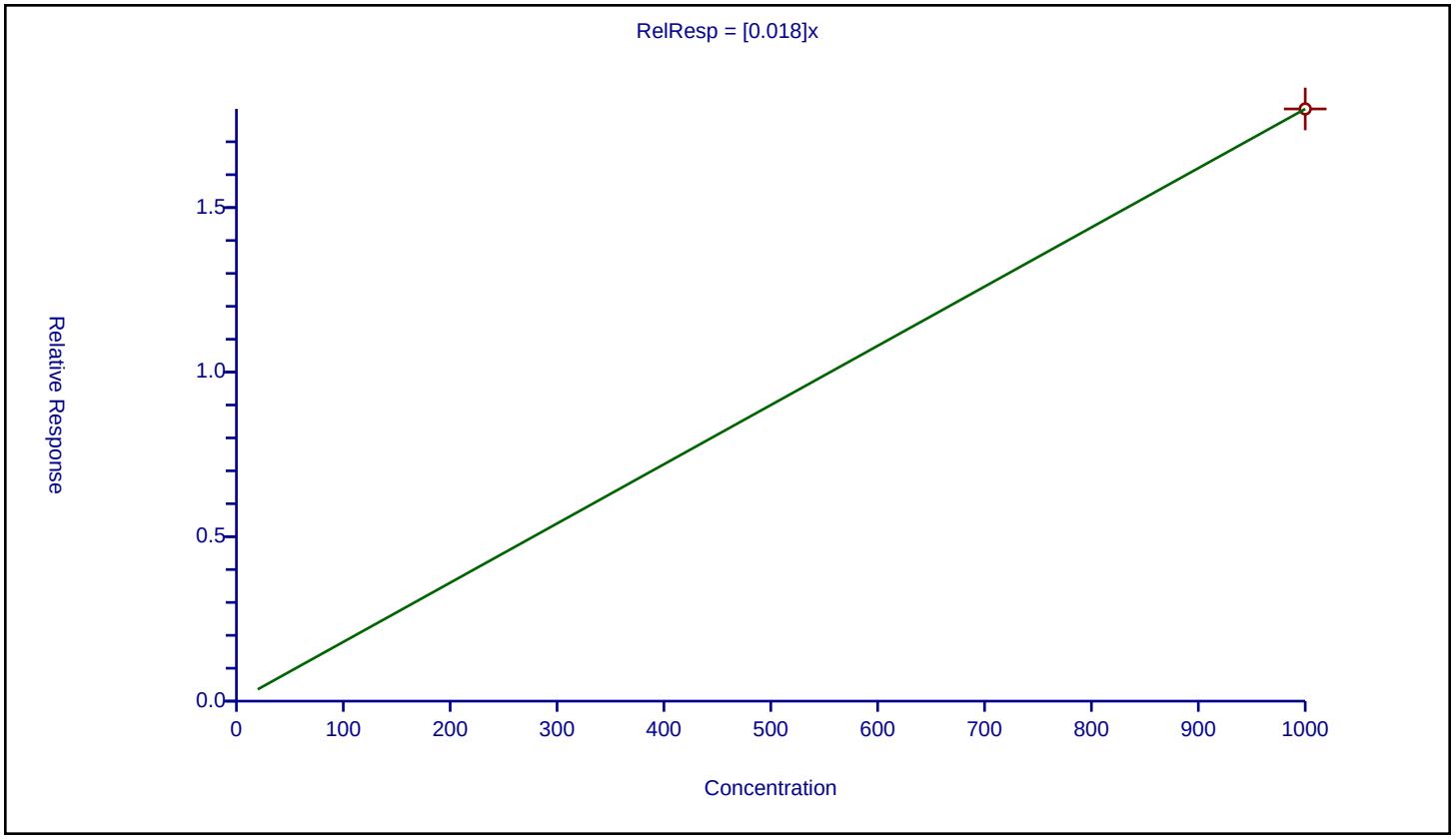
Curve Coefficients

Intercept:	0
Slope:	0.018

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	17.9982	20.0	48497799.0	0.017998	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 Calibration End Date: 12/21/2023 13:13 Calibration ID: 95527

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1248 Peak 1	0.0137					Ave		0.0137						20.0			
PCB-1248 Peak 2	0.0384					Ave		0.0384						20.0			
PCB-1248 Peak 3	0.0469					Ave		0.0469						20.0			
PCB-1248 Peak 4	0.0283					Ave		0.0283						20.0			
PCB-1248 Peak 5	0.0753					Ave		0.0753						20.0			
PCB-1248 Peak 6	0.0361					Ave		0.0361						20.0			
PCB-1248 Peak 7	0.0218					Ave		0.0218						20.0			
PCB-1248 Peak 8	0.0153					Ave		0.0153						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:13 | Calibration End Date: 12/21/2023 13:13 | Calibration ID: 95527

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/11	11F0029076.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1248 Peak 1	BNB	Ave	30458537					1000				
PCB-1248 Peak 2	BNB	Ave	85055313					1000				
PCB-1248 Peak 3	BNB	Ave	103876365					1000				
PCB-1248 Peak 4	BNB	Ave	62792607					1000				
PCB-1248 Peak 5	BNB	Ave	166948568					1000				
PCB-1248 Peak 6	BNB	Ave	79967226					1000				
PCB-1248 Peak 7	BNB	Ave	48315324					1000				
PCB-1248 Peak 8	BNB	Ave	33940669					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Lims ID: IC 1248
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:13:20 ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-011
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub6

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:18 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:18:11

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.439	1.439	0.000	48497799	20.0	20.0	
2	1.227	1.227	0.000	44318297	20.0	20.0	M
						RPD = 0.00	
6 PCB-1248							M
1	3.400	3.400	0.000	23408467	1000.0	1000.0	M
1	3.943	3.943	0.000	68897701	1000.0	1000.0	M
1	4.368	4.368	0.000	38785451	1000.0	1000.0	M
1	4.416	4.416	0.000	37722262	1000.0	1000.0	M
1	4.838	4.838	0.000	67793741	1000.0	1000.0	M
1	5.153	5.153	0.000	66981490	1000.0	1000.0	M
1	5.205	5.205	0.000	77992368	1000.0	1000.0	M
1	6.055	6.055	0.000	43643655	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
2	2.548	2.548	0.000	30458537	1000.0	1000.0	
2	3.026	3.026	0.000	85055313	1000.0	1000.0	
2	3.403	3.403	0.000	103876365	1000.0	1000.0	M
2	3.727	3.727	0.000	62792607	1000.0	1000.0	M
2	4.114	4.114	0.000	166948568	1000.0	1000.0	M
2	4.354	4.354	0.000	79967226	1000.0	1000.0	M
2	4.807	4.807	0.000	48315324	1000.0	1000.0	M
2	5.436	5.436	0.000	33940669	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

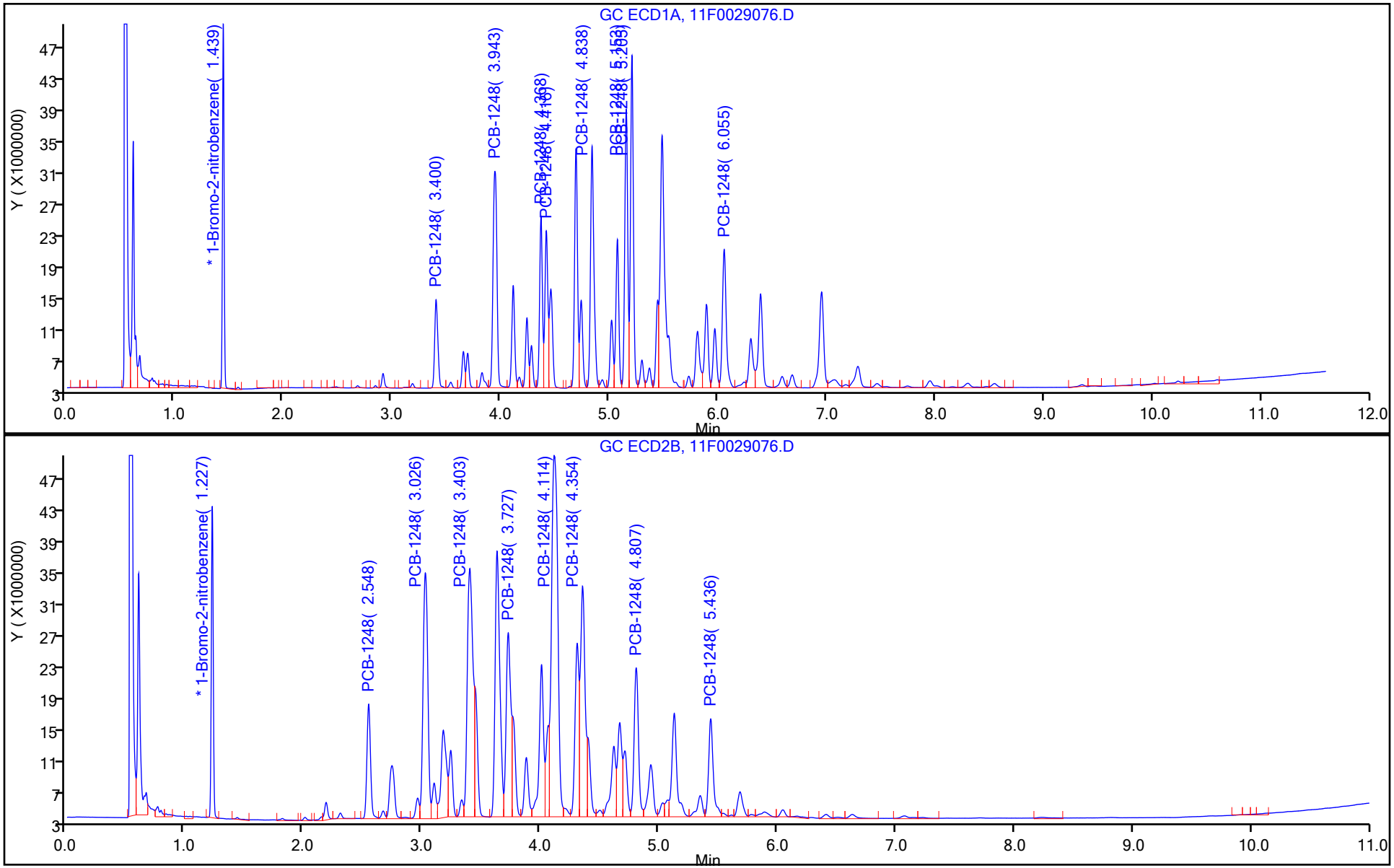
SG1248L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D

Injection Date:	21-Dec-2023 13:13:20	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1248			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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Manual Integration/User Assign Peak Report

Eurofins Edison

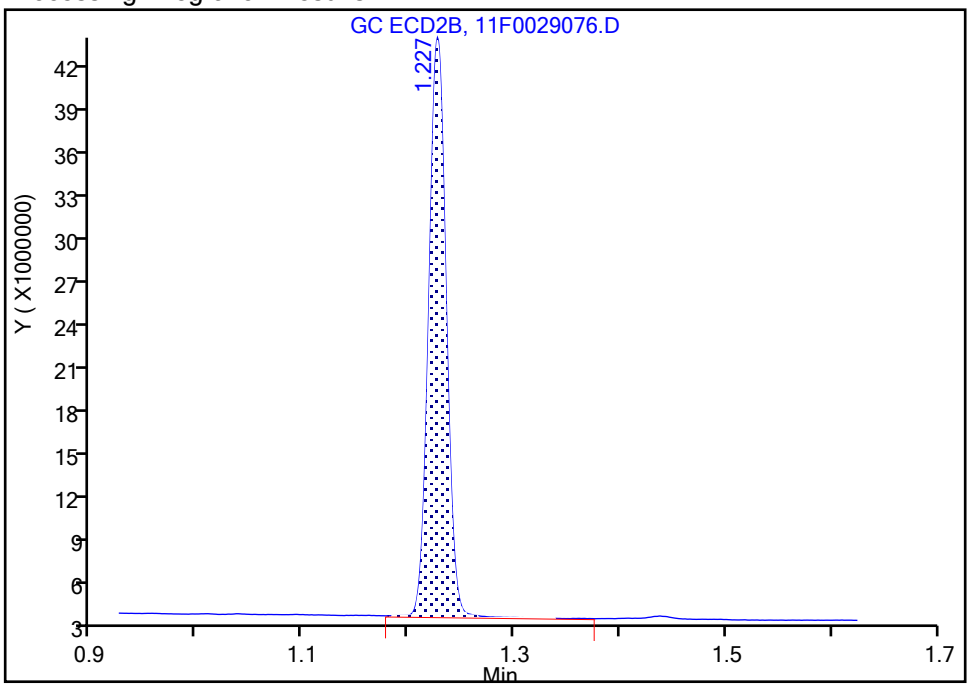
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

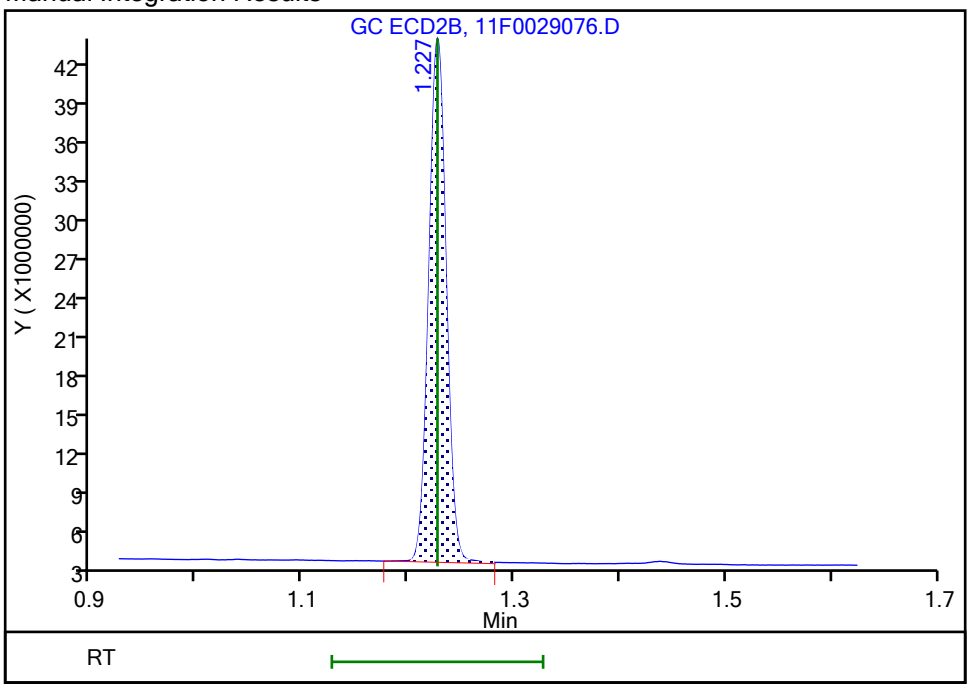
Processing Integration Results

RT: 1.23
Area: 44868681
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44318297
Amount: 20.000000
Amount Units: ug/l



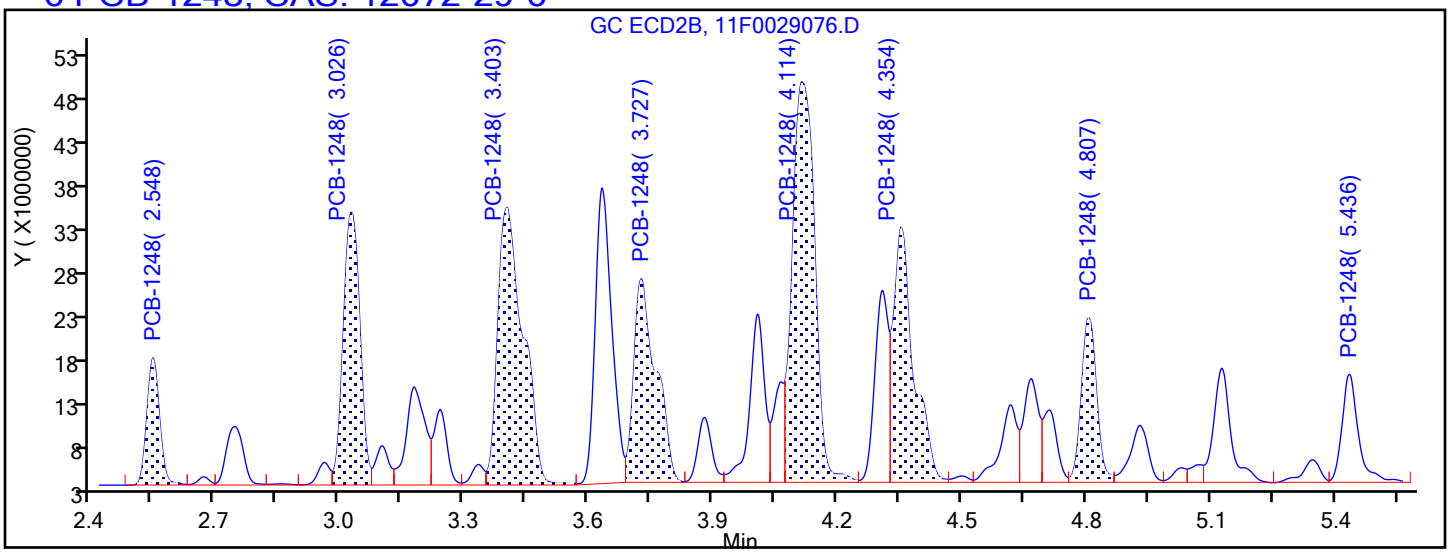
Reviewer: OR9X, 21-Dec-2023 14:17:44 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

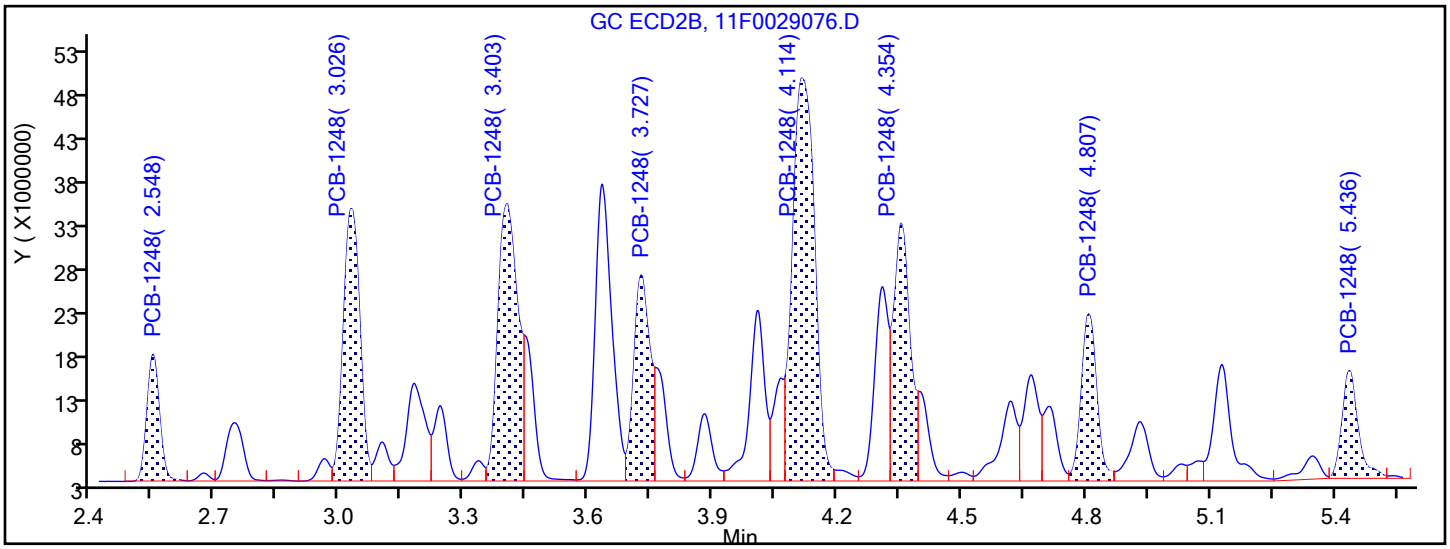
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029076.D
Injection Date: 21-Dec-2023 13:13:20 Instrument ID: CPESTGC11
Lims ID: IC 1248
Client ID:
Operator ID: ALS Bottle#: 27 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

6 PCB-1248, CAS: 12672-29-6



Processing Integration Results

2.548	Response = 30458537
3.026	Response = 85055313
3.403	Response = 129977811
3.727	Response = 84941134
4.114	Response = 167463740
4.354	Response = 95593531
4.807	Response = 46981883
5.436	Response = 34622529



Manual Integration Results

2.548	Response = 30458537	
3.026	Response = 85055313	
3.403	Response = 103876365	M
3.727	Response = 62792607	M
4.114	Response = 166948568	M
4.354	Response = 79967226	M

Calibration / PCB-1248 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

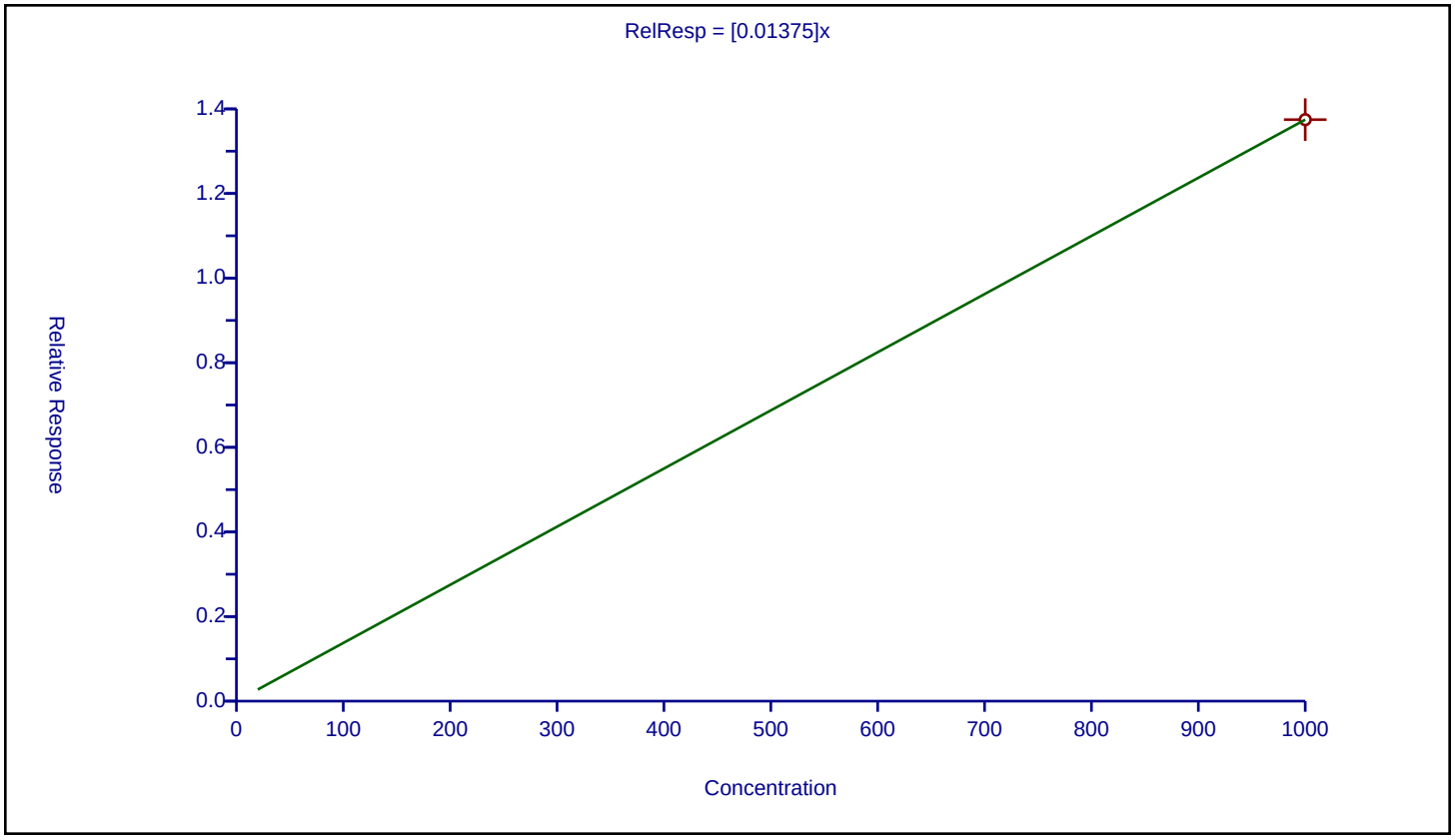
Curve Coefficients

Intercept:	0
Slope:	0.01375

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	13.745355	20.0	44318297.0	0.013745	Y



Calibration / PCB-1248 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

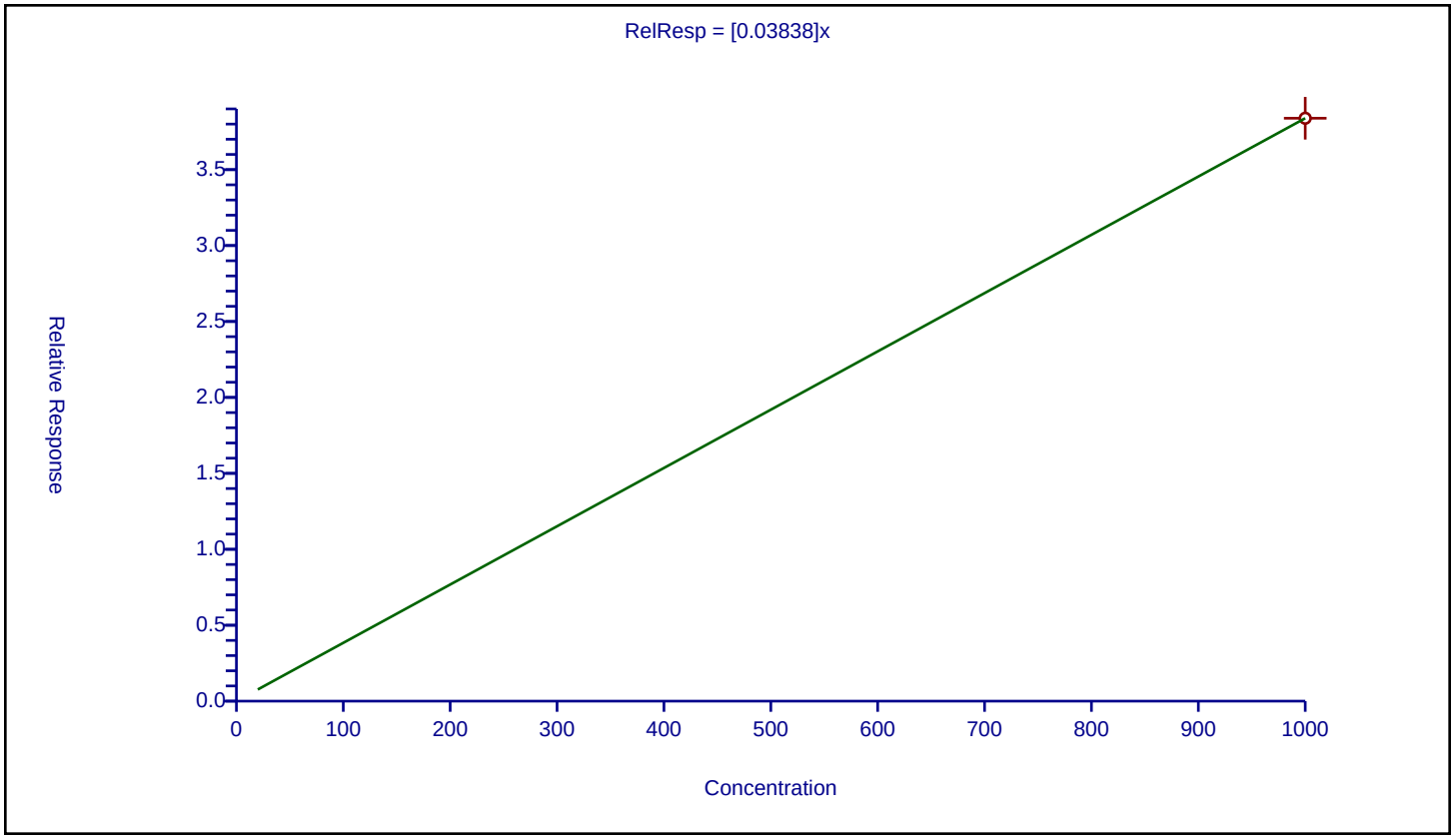
Curve Coefficients

Intercept:	0
Slope:	0.03838

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	38.383836	20.0	44318297.0	0.038384	Y



Calibration / PCB-1248 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

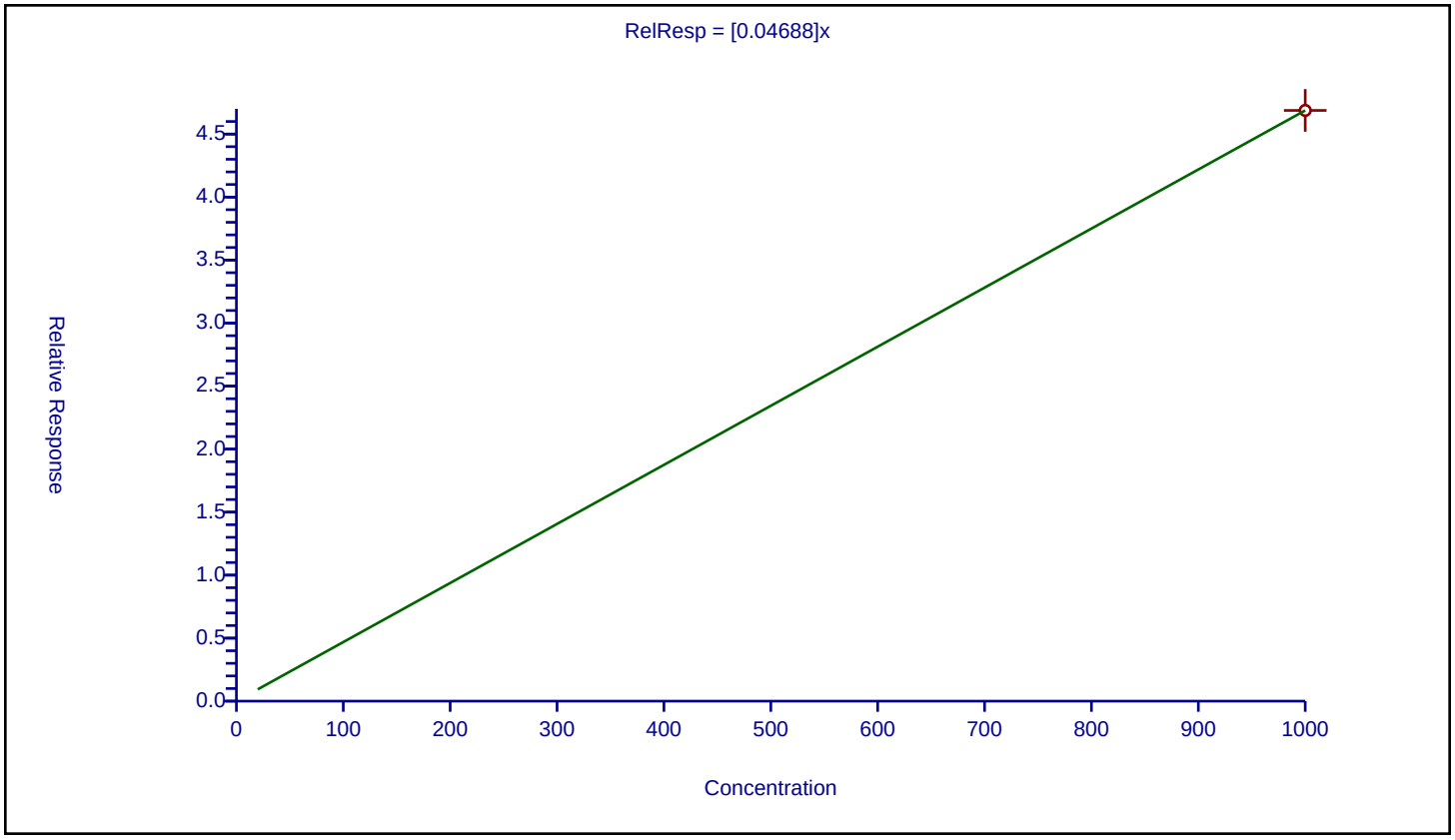
Curve Coefficients

Intercept:	0
Slope:	0.04688

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	46.877417	20.0	44318297.0	0.046877	Y



Calibration / PCB-1248 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

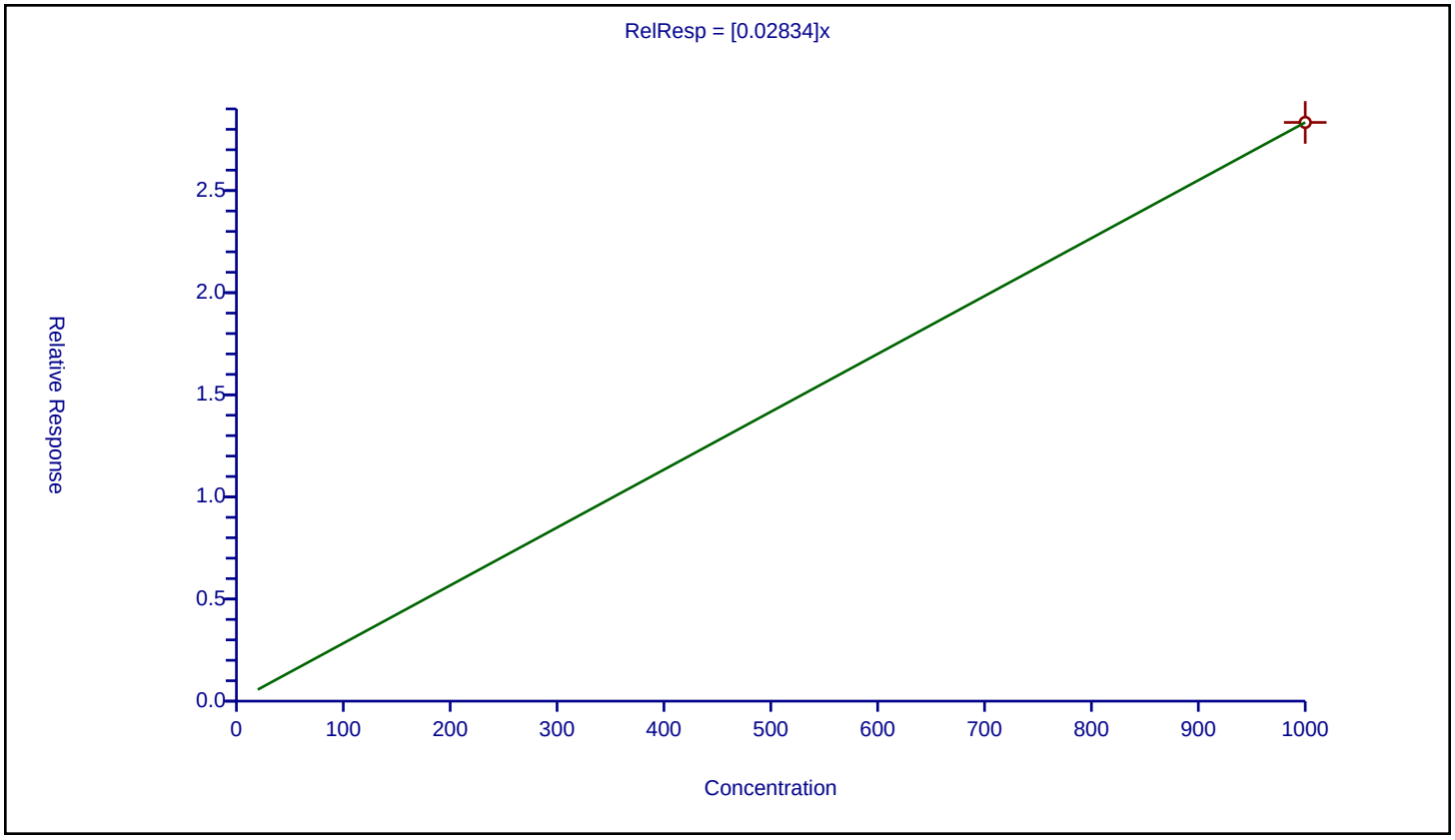
Curve Coefficients

Intercept:	0
Slope:	0.02834

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	28.337103	20.0	44318297.0	0.028337	Y



Calibration / PCB-1248 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

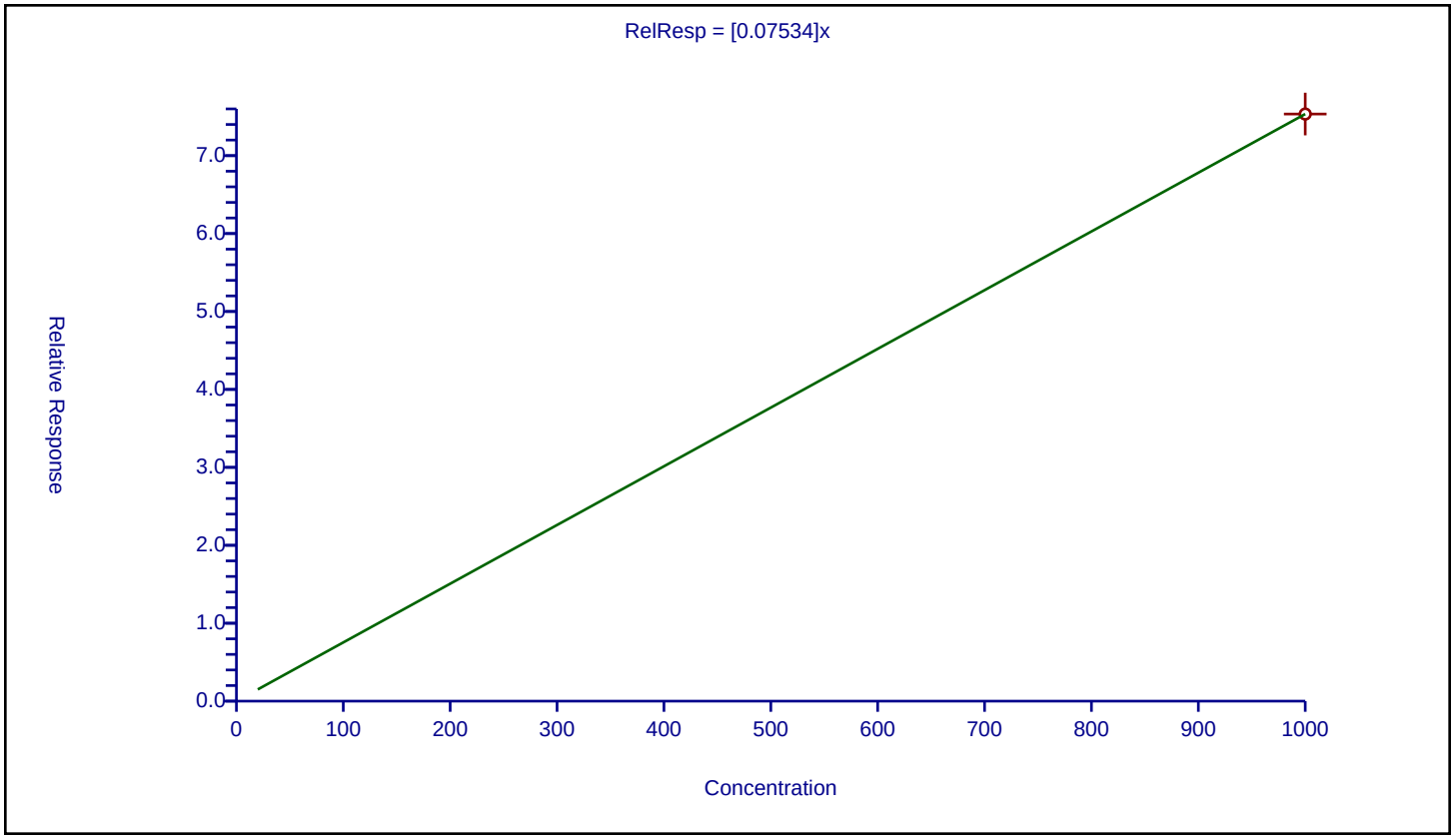
Curve Coefficients

Intercept:	0
Slope:	0.07534

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	75.340696	20.0	44318297.0	0.075341	Y



Calibration / PCB-1248 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

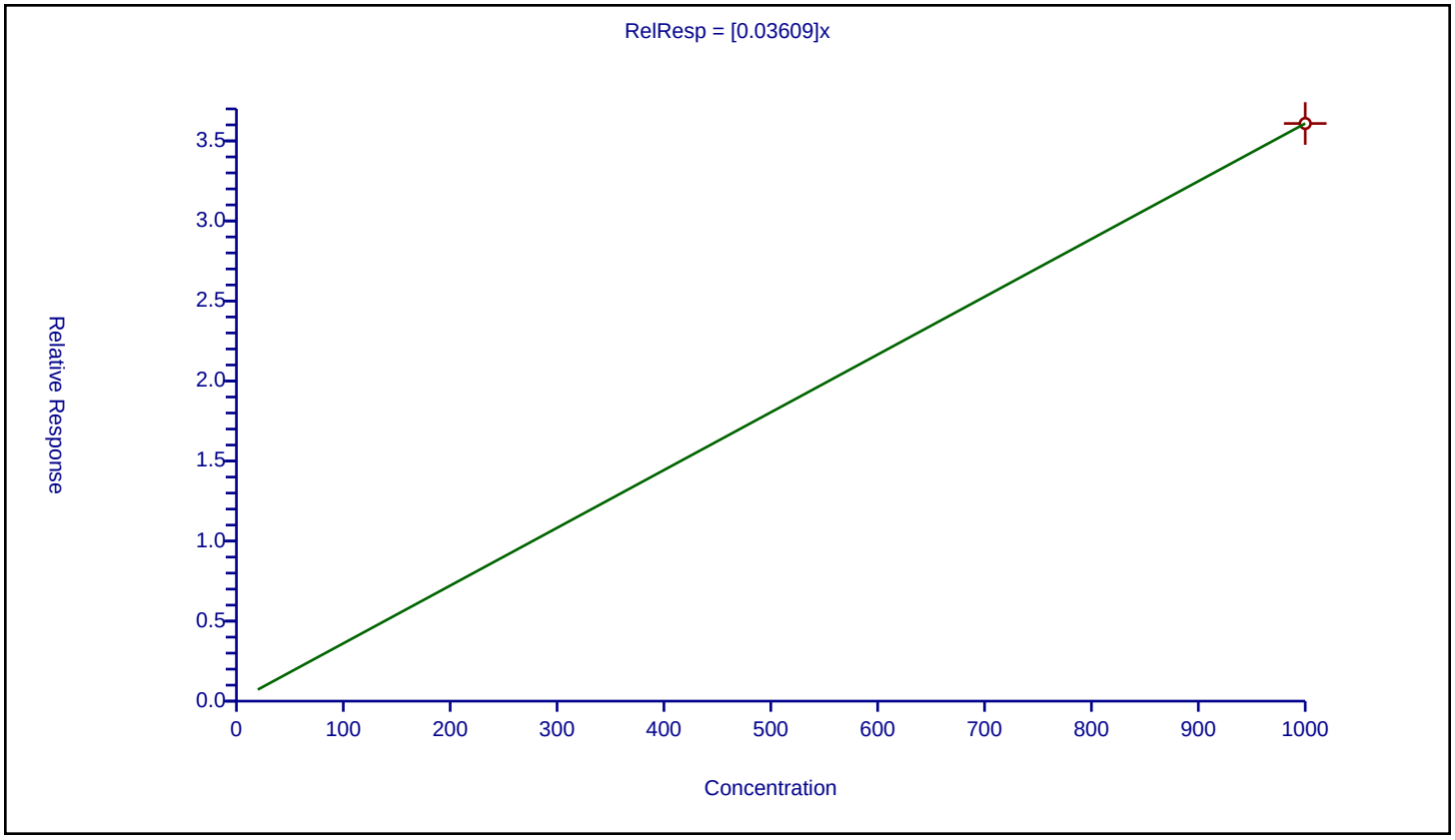
Curve Coefficients

Intercept:	0
Slope:	0.03609

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	36.08768	20.0	44318297.0	0.036088	Y



Calibration / PCB-1248 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

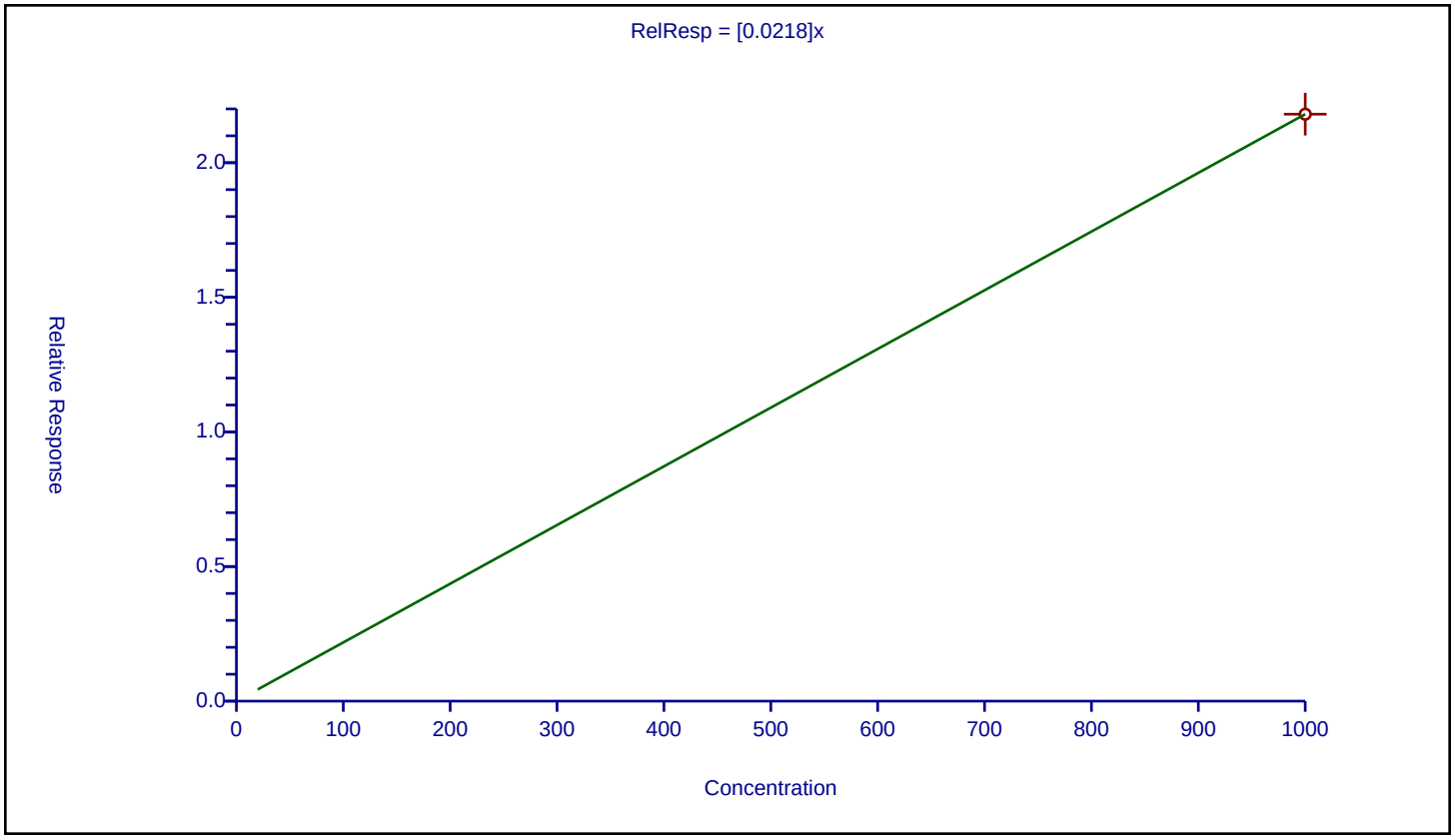
Curve Coefficients

Intercept:	0
Slope:	0.0218

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	21.803782	20.0	44318297.0	0.021804	Y



Calibration / PCB-1248 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

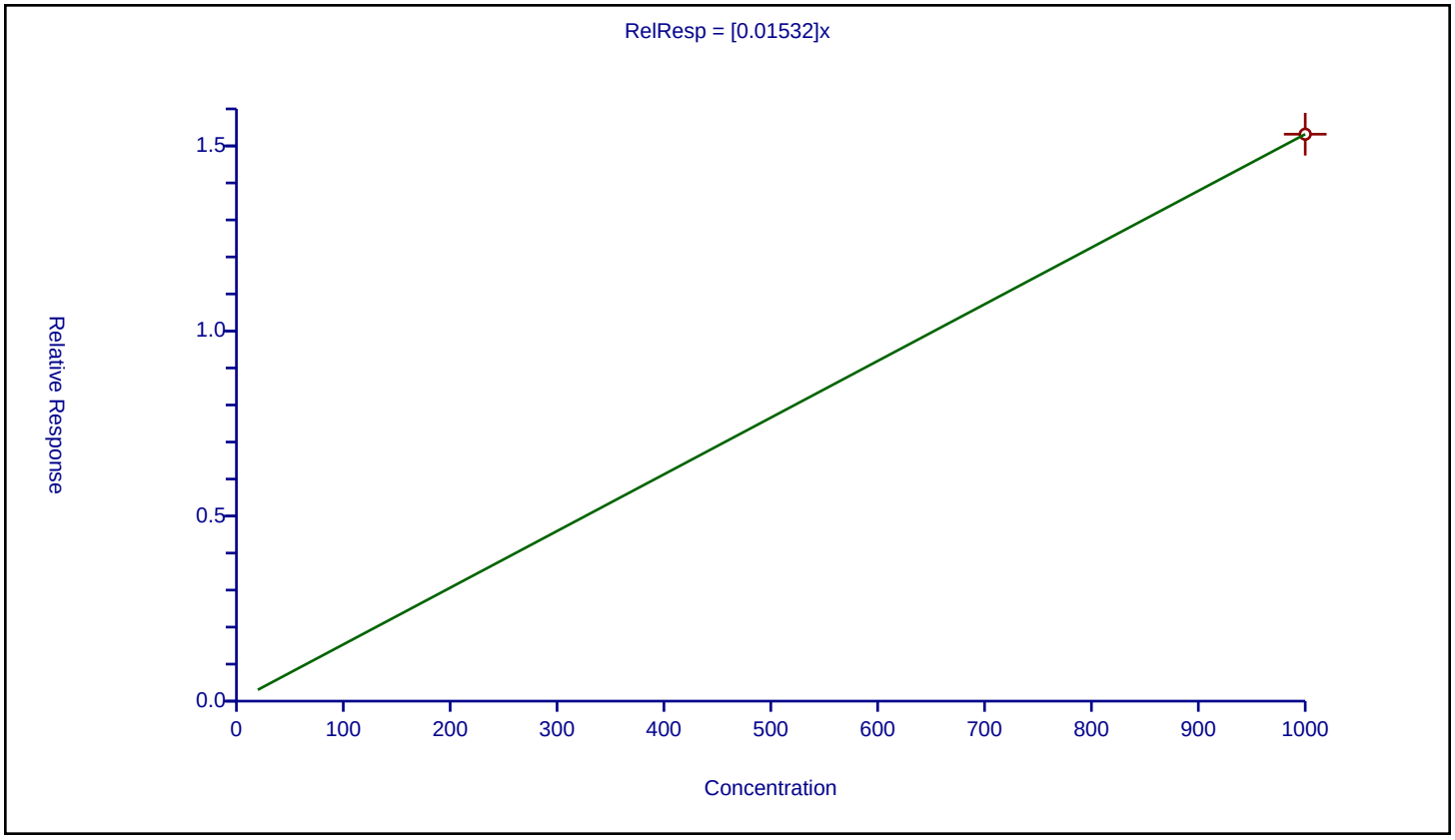
Curve Coefficients

Intercept:	0
Slope:	0.01532

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/11	1000.0	15.316775	20.0	44318297.0	0.015317	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 Calibration End Date: 12/21/2023 13:30 Calibration ID: 95532

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0091					Ave		0.0091						20.0			
PCB-1254 Peak 2	0.0258					Ave		0.0258						20.0			
PCB-1254 Peak 3	0.0301					Ave		0.0301						20.0			
PCB-1254 Peak 4	0.0264					Ave		0.0264						20.0			
PCB-1254 Peak 5	0.0548					Ave		0.0548						20.0			
PCB-1254 Peak 6	0.0392					Ave		0.0392						20.0			
PCB-1254 Peak 7	0.0466					Ave		0.0466						20.0			
PCB-1254 Peak 8	0.0554					Ave		0.0554						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 | Calibration End Date: 12/21/2023 13:30 | Calibration ID: 95532

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	22143548					1000				
PCB-1254 Peak 2	BNB	Ave	62546007					1000				
PCB-1254 Peak 3	BNB	Ave	72981695					1000				
PCB-1254 Peak 4	BNB	Ave	63960606					1000				
PCB-1254 Peak 5	BNB	Ave	132627919					1000				
PCB-1254 Peak 6	BNB	Ave	94909987					1000				
PCB-1254 Peak 7	BNB	Ave	112853426					1000				
PCB-1254 Peak 8	BNB	Ave	134168431					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:30:05 ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:23 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	48433299	20.0	20.0	
2	1.226	1.226	0.000	44333667	20.0	20.0	M
						RPD = 0.00	
7 PCB-1254							M
1	4.690	4.690	0.000	22143548	1000.0	1000.0	
1	5.205	5.205	0.000	62546007	1000.0	1000.0	
1	5.440	5.440	0.000	72981695	1000.0	1000.0	
1	5.892	5.892	0.000	63960606	1000.0	1000.0	
1	6.056	6.056	0.000	132627919	1000.0	1000.0	
1	6.391	6.391	0.000	94909987	1000.0	1000.0	
1	6.950	6.950	0.000	112853426	1000.0	1000.0	
1	7.288	7.288	0.000	134168431	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.630	3.630	0.000	28001150	1000.0	1000.0	
2	4.062	4.062	0.000	76685363	1000.0	1000.0	
2	4.364	4.364	0.000	116078429	1000.0	1000.0	M
2	4.666	4.666	0.000	91185100	1000.0	1000.0	M
2	4.806	4.806	0.000	145667574	1000.0	1000.0	M
2	5.130	5.130	0.000	121873670	1000.0	1000.0	
2	5.349	5.349	0.000	99796819	1000.0	1000.0	
2	5.682	5.682	0.000	150905772	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

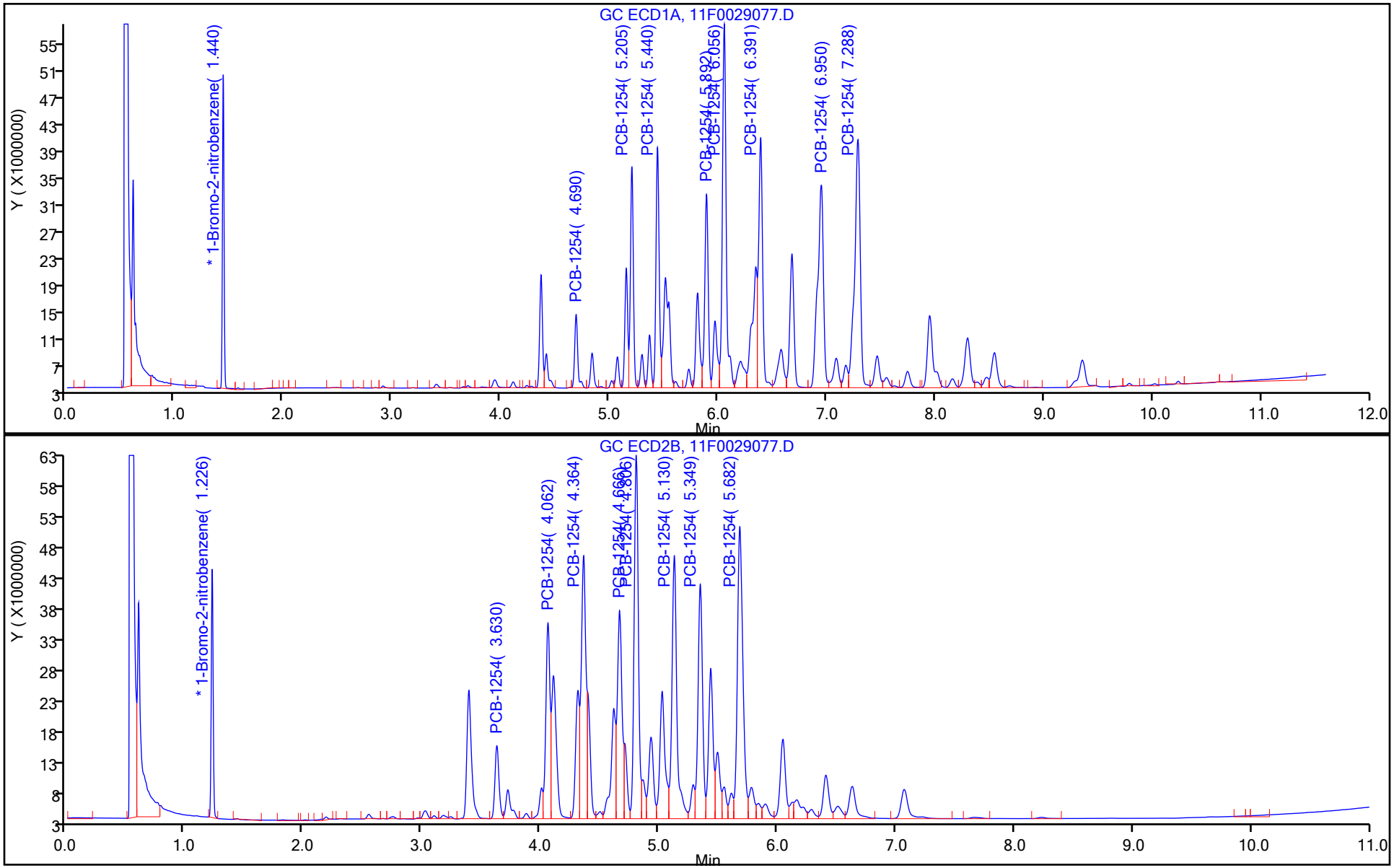
SG1254L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D

Injection Date:	21-Dec-2023 13:30:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Calibration / PCB-1254 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

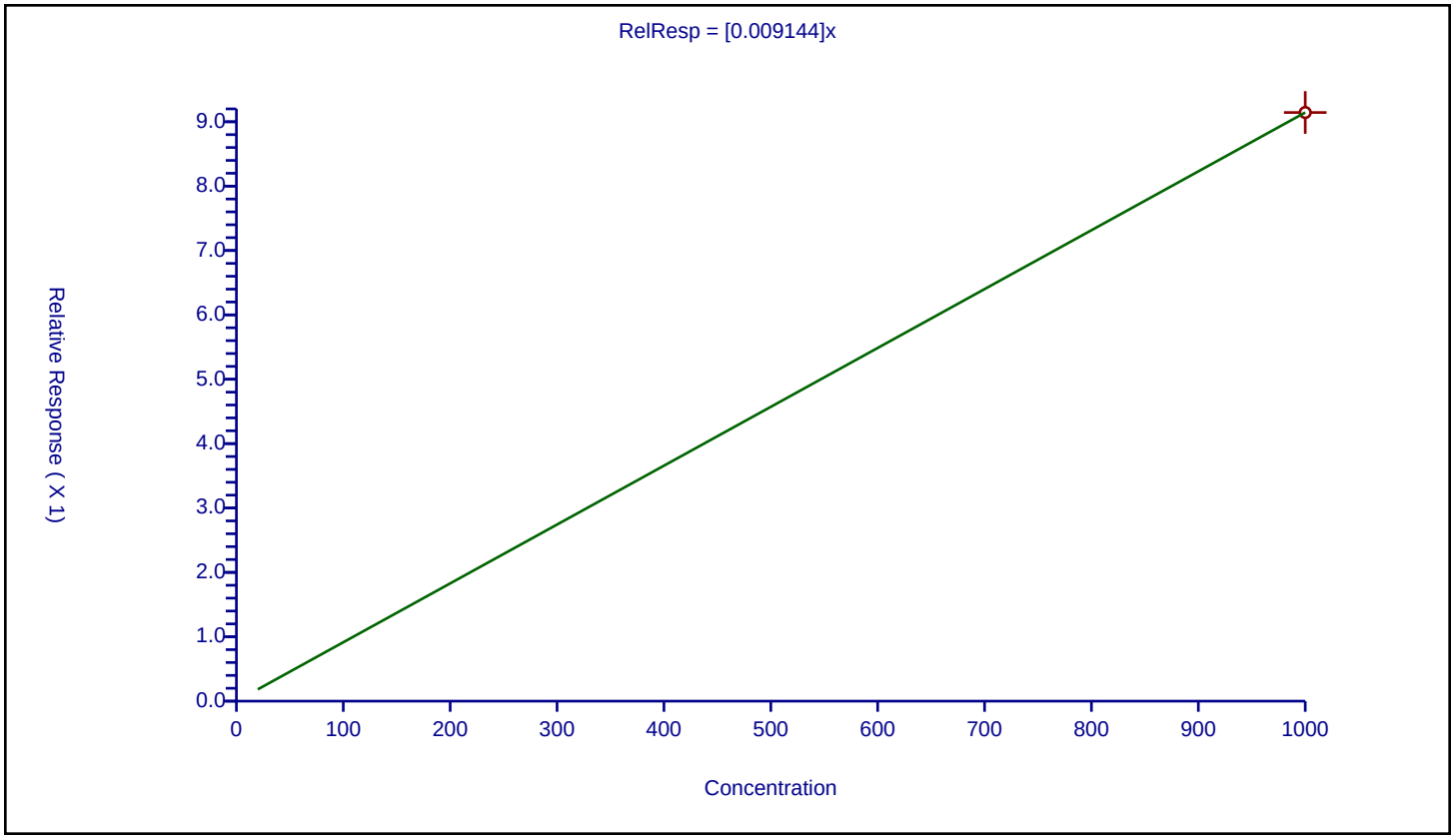
Curve Coefficients

Intercept:	0
Slope:	0.009144

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	9.143935	20.0	48433299.0	0.009144	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

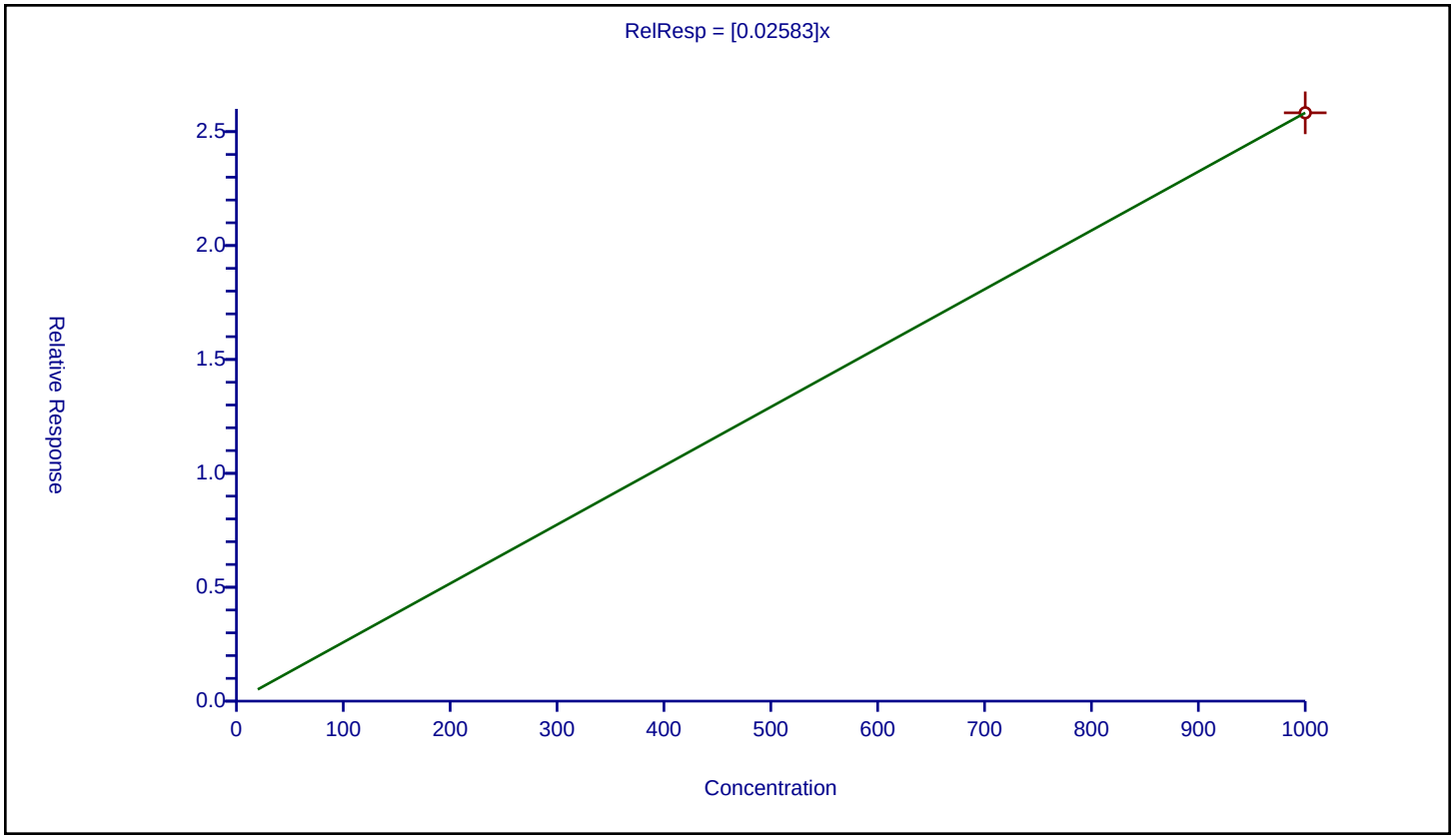
Curve Coefficients

Intercept:	0
Slope:	0.02583

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	25.827688	20.0	48433299.0	0.025828	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

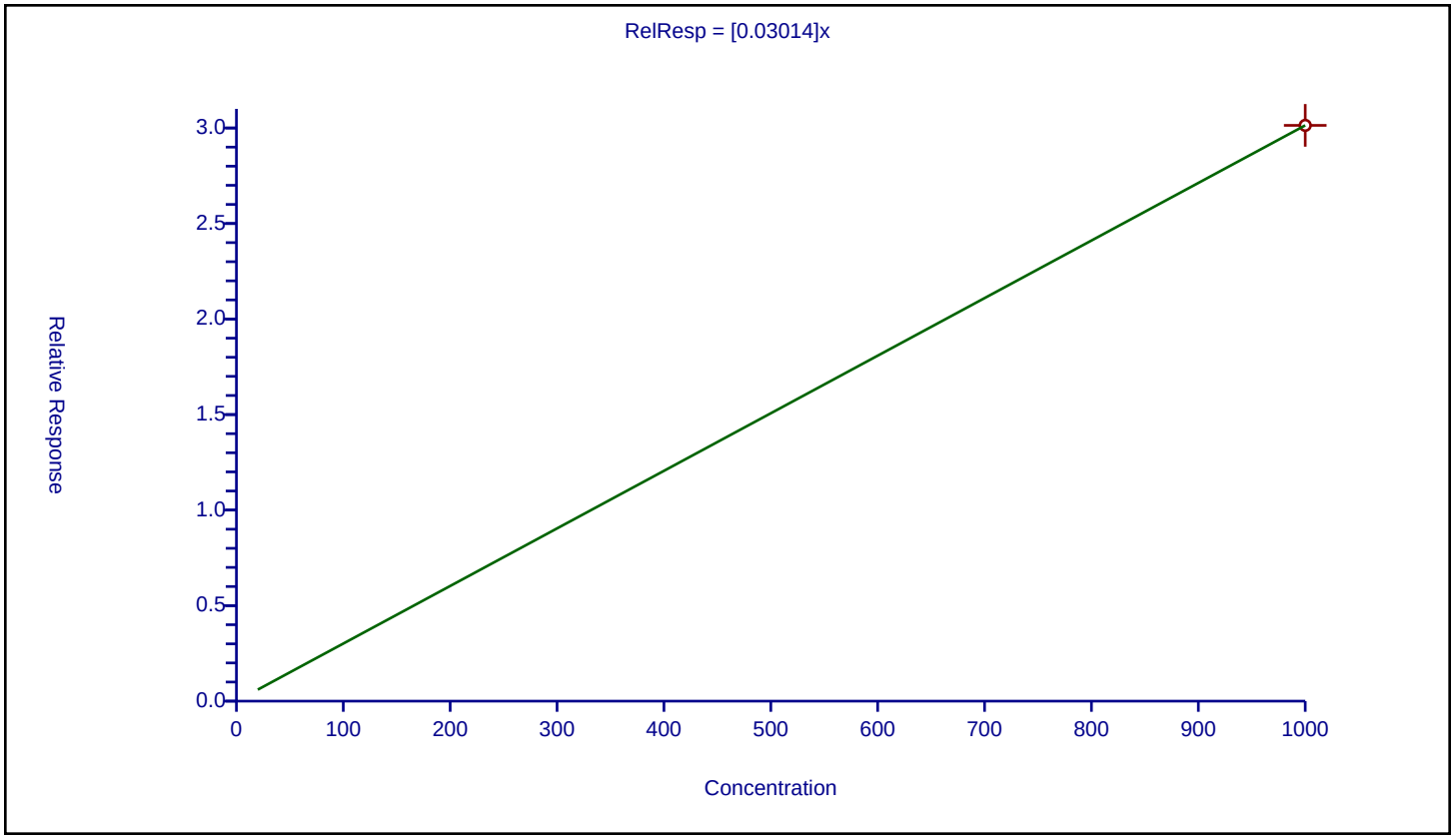
Curve Coefficients

Intercept:	0
Slope:	0.03014

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	30.136991	20.0	48433299.0	0.030137	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

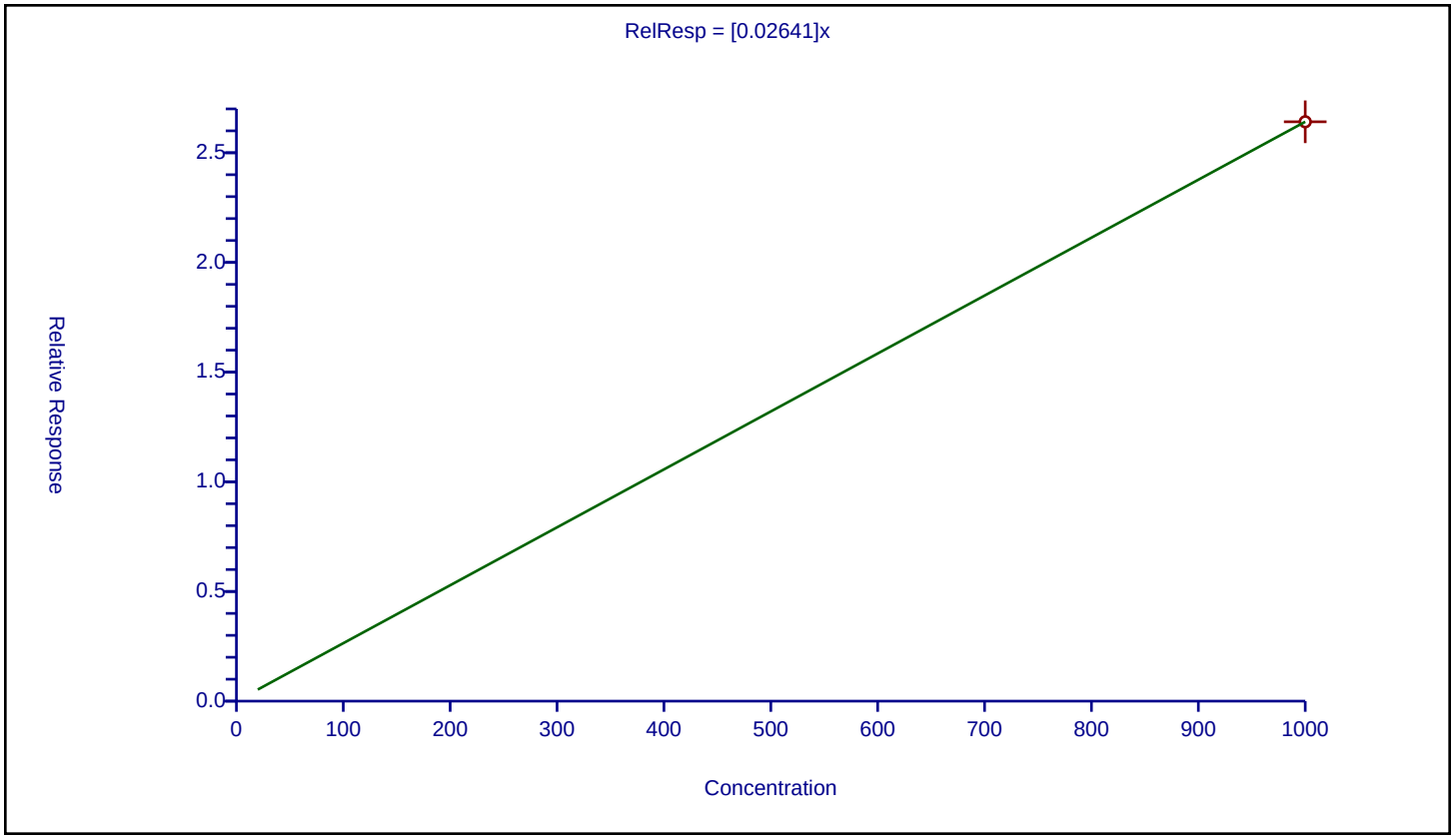
Curve Coefficients

Intercept:	0
Slope:	0.02641

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	26.411831	20.0	48433299.0	0.026412	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

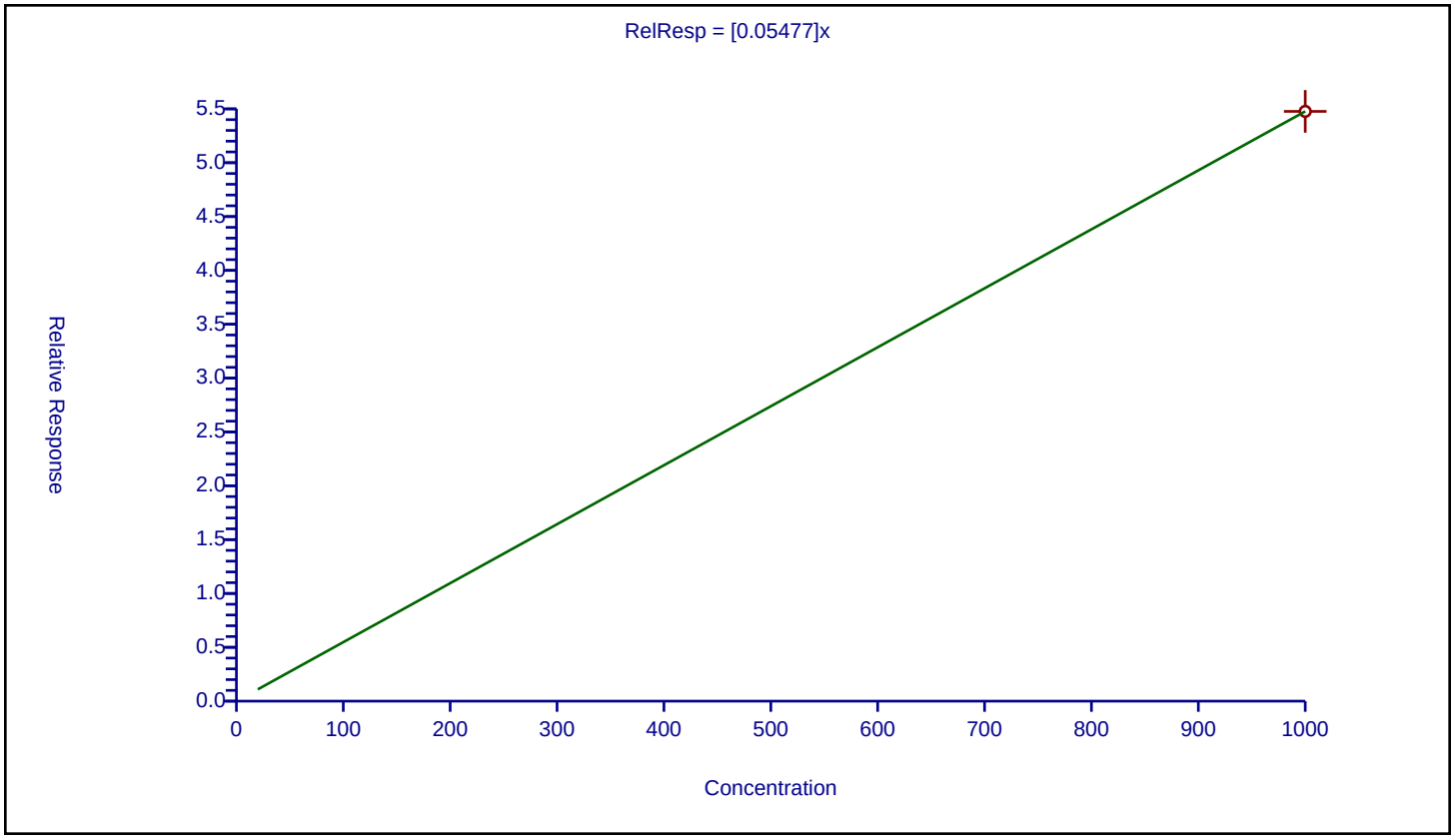
Curve Coefficients

Intercept:	0
Slope:	0.05477

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	54.767246	20.0	48433299.0	0.054767	Y



Calibration / PCB-1254 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

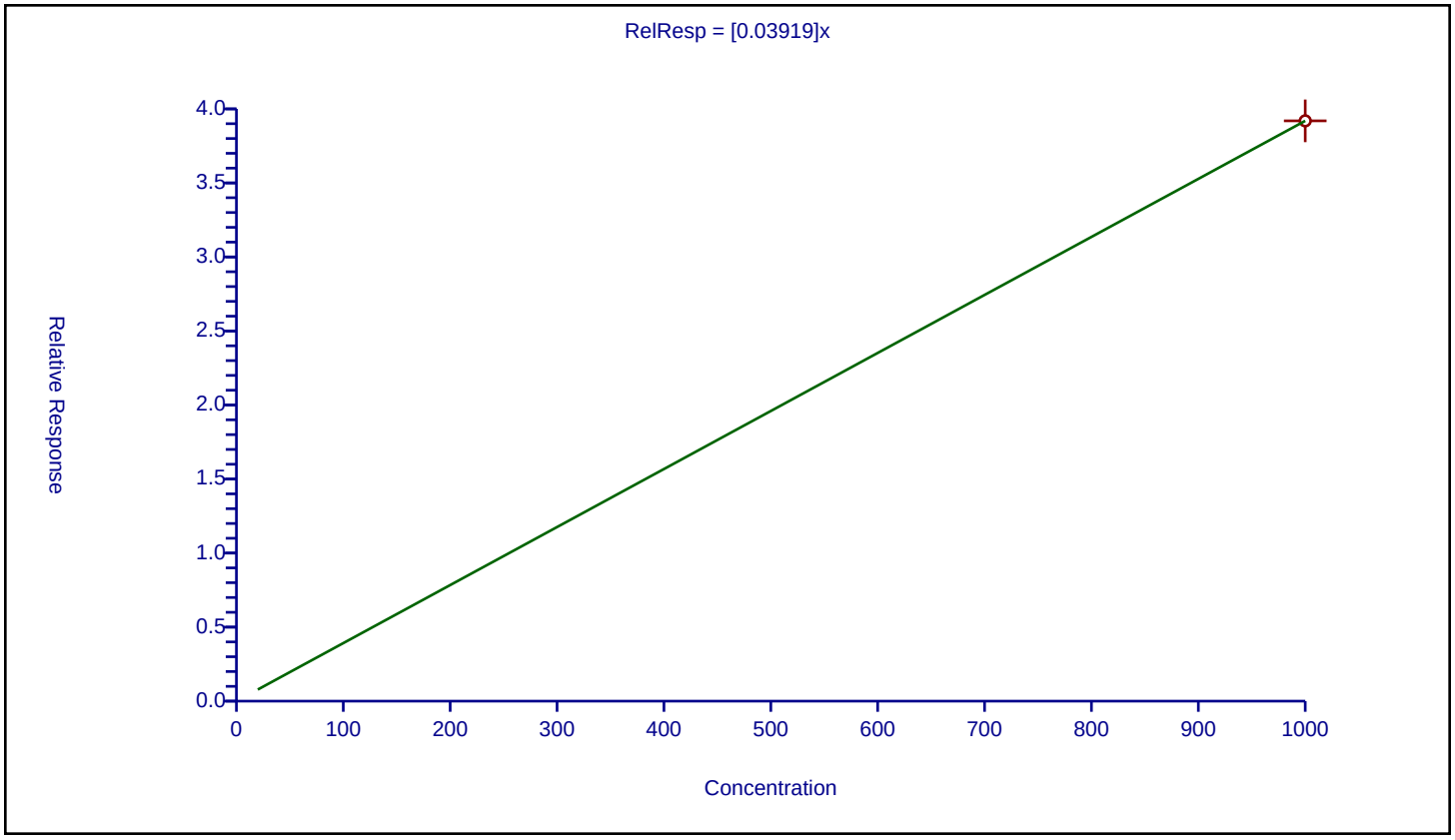
Curve Coefficients

Intercept:	0
Slope:	0.03919

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	39.192039	20.0	48433299.0	0.039192	Y



Calibration / PCB-1254 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

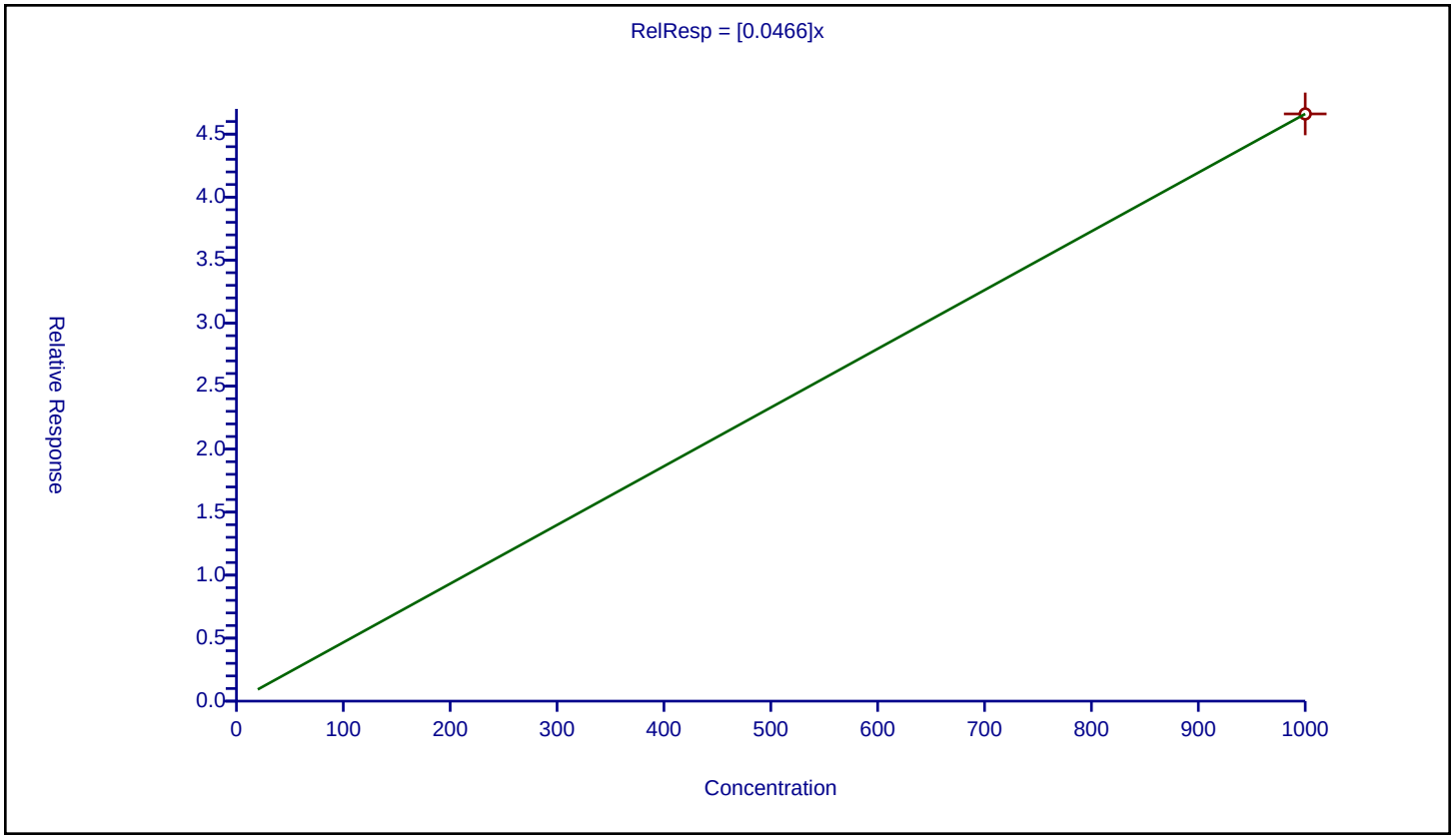
Curve Coefficients

Intercept:	0
Slope:	0.0466

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	46.601585	20.0	48433299.0	0.046602	Y



Calibration / PCB-1254 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

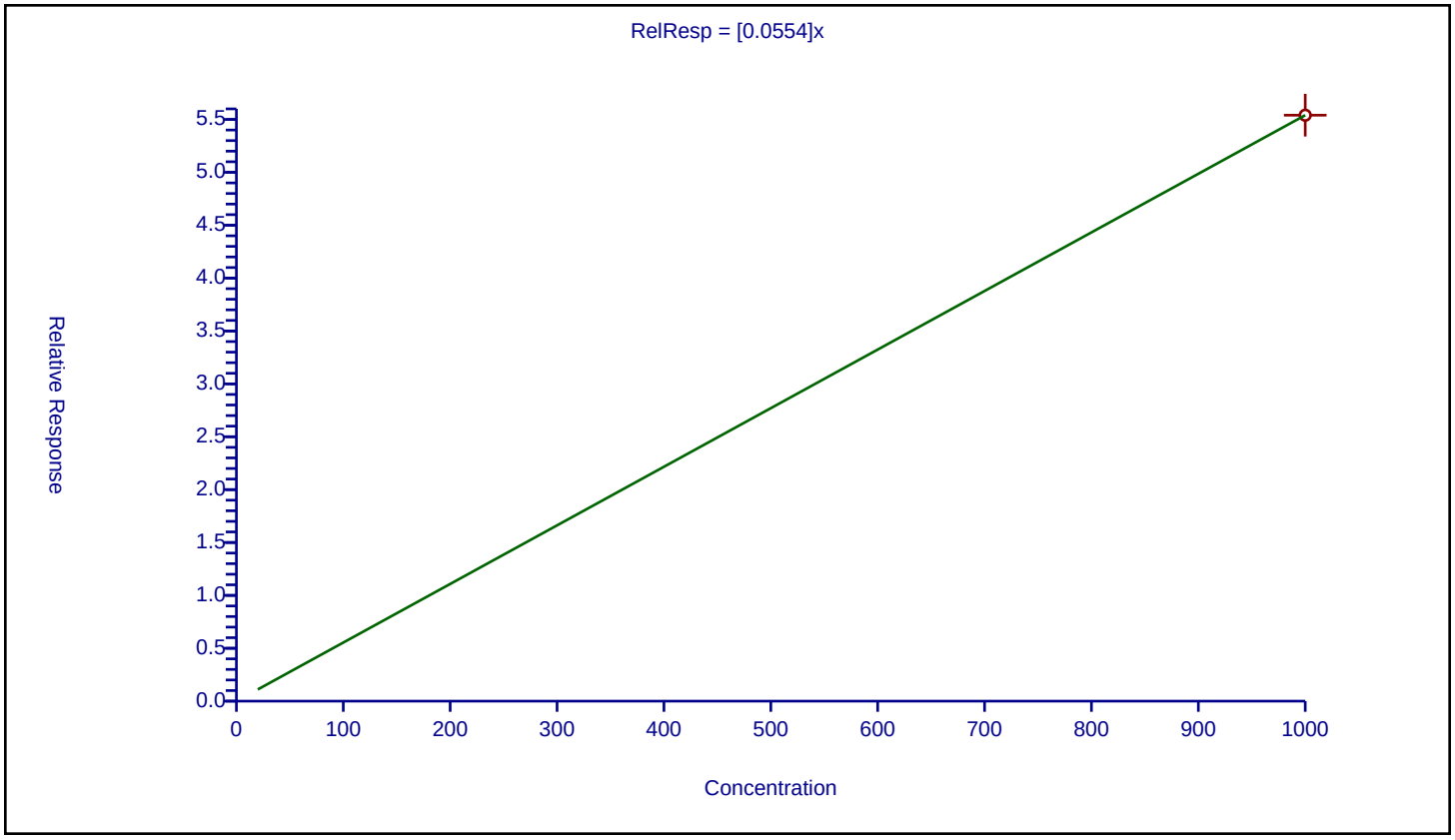
Curve Coefficients

Intercept:	0
Slope:	0.0554

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	55.403383	20.0	48433299.0	0.055403	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 Calibration End Date: 12/21/2023 13:30 Calibration ID: 95533

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1254 Peak 1	0.0126					Ave		0.0126						20.0			
PCB-1254 Peak 2	0.0346					Ave		0.0346						20.0			
PCB-1254 Peak 3	0.0524					Ave		0.0524						20.0			
PCB-1254 Peak 4	0.0411					Ave		0.0411						20.0			
PCB-1254 Peak 5	0.0657					Ave		0.0657						20.0			
PCB-1254 Peak 6	0.0550					Ave		0.0550						20.0			
PCB-1254 Peak 7	0.0450					Ave		0.0450						20.0			
PCB-1254 Peak 8	0.0681					Ave		0.0681						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:30 Calibration End Date: 12/21/2023 13:30 Calibration ID: 95533

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/12	11F0029077.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1254 Peak 1	BNB	Ave	28001150					1000				
PCB-1254 Peak 2	BNB	Ave	76685363					1000				
PCB-1254 Peak 3	BNB	Ave	116078429					1000				
PCB-1254 Peak 4	BNB	Ave	91185100					1000				
PCB-1254 Peak 5	BNB	Ave	145667574					1000				
PCB-1254 Peak 6	BNB	Ave	121873670					1000				
PCB-1254 Peak 7	BNB	Ave	99796819					1000				
PCB-1254 Peak 8	BNB	Ave	150905772					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Lims ID: IC 1254
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:30:05 ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-012
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub7

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:23 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:17:19

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	48433299	20.0	20.0	
2	1.226	1.226	0.000	44333667	20.0	20.0	M
						RPD = 0.00	
7 PCB-1254							M
1	4.690	4.690	0.000	22143548	1000.0	1000.0	
1	5.205	5.205	0.000	62546007	1000.0	1000.0	
1	5.440	5.440	0.000	72981695	1000.0	1000.0	
1	5.892	5.892	0.000	63960606	1000.0	1000.0	
1	6.056	6.056	0.000	132627919	1000.0	1000.0	
1	6.391	6.391	0.000	94909987	1000.0	1000.0	
1	6.950	6.950	0.000	112853426	1000.0	1000.0	
1	7.288	7.288	0.000	134168431	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	3.630	3.630	0.000	28001150	1000.0	1000.0	
2	4.062	4.062	0.000	76685363	1000.0	1000.0	
2	4.364	4.364	0.000	116078429	1000.0	1000.0	M
2	4.666	4.666	0.000	91185100	1000.0	1000.0	M
2	4.806	4.806	0.000	145667574	1000.0	1000.0	M
2	5.130	5.130	0.000	121873670	1000.0	1000.0	
2	5.349	5.349	0.000	99796819	1000.0	1000.0	
2	5.682	5.682	0.000	150905772	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

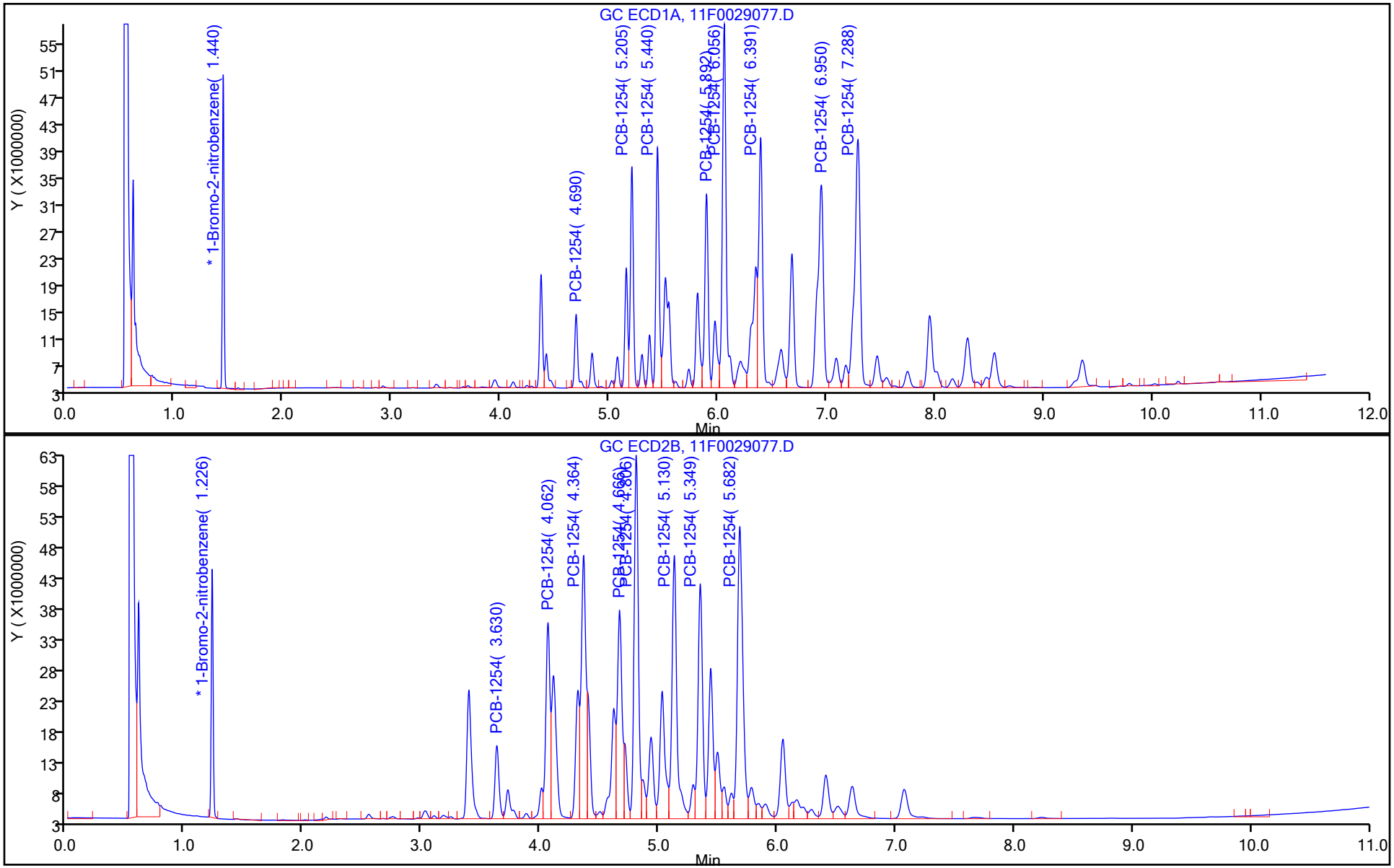
SG1254L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D

Injection Date:	21-Dec-2023 13:30:05	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1254			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Eurofins Edison

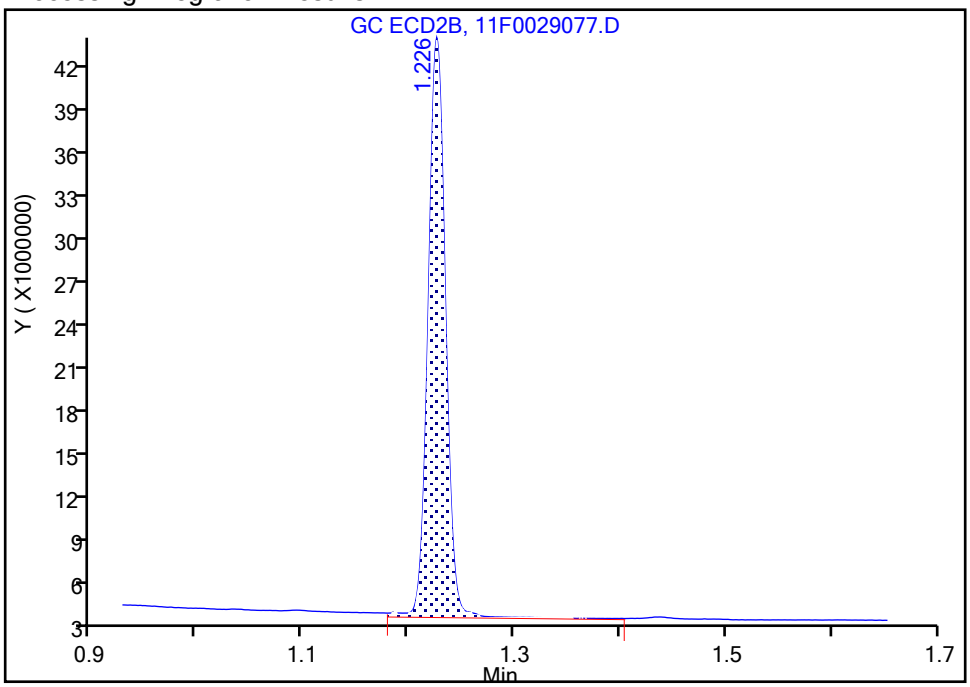
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Injection Date: 21-Dec-2023 13:30:05 Instrument ID: CPESTGC11
Lims ID: IC 1254
Client ID:
Operator ID: ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

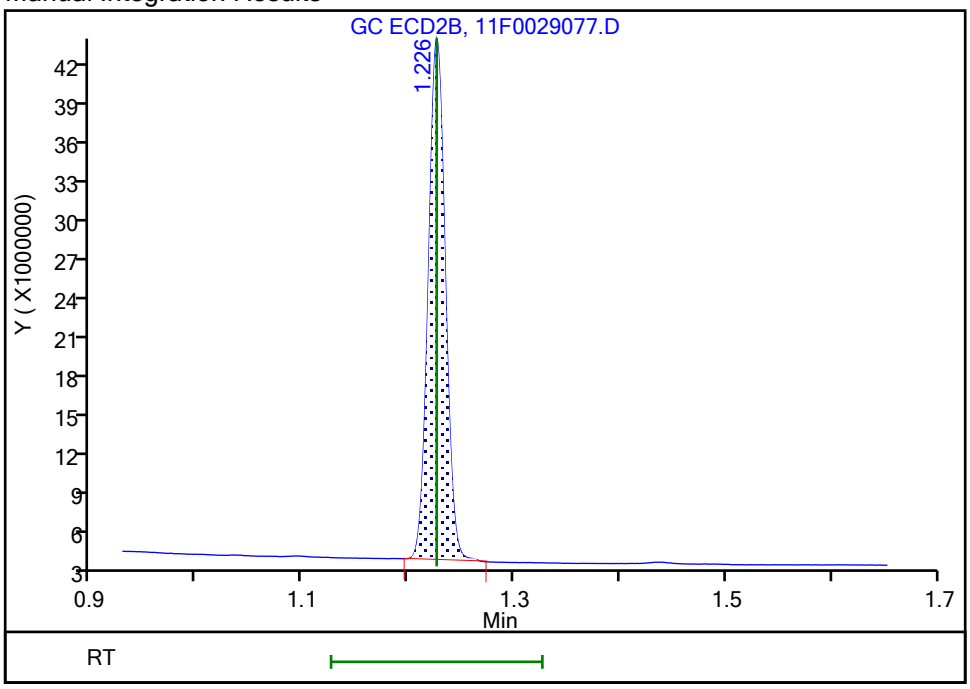
Processing Integration Results

RT: 1.23
Area: 45498498
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 44333667
Amount: 20.000000
Amount Units: ug/l



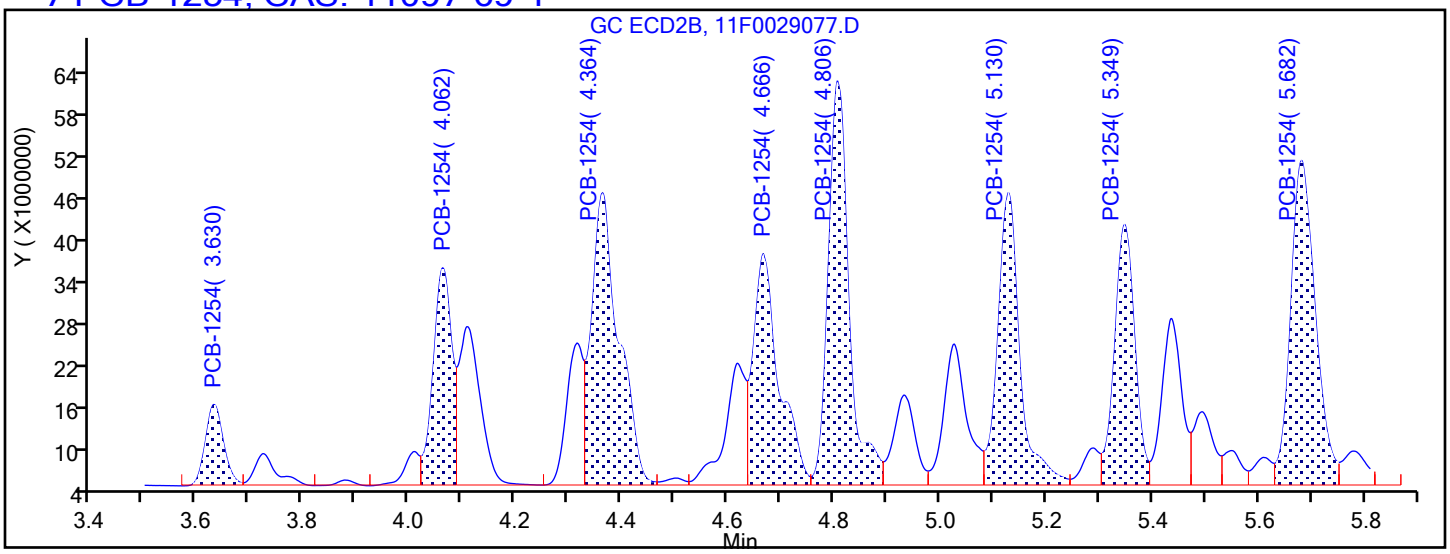
Reviewer: OR9X, 21-Dec-2023 14:17:13 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:24 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

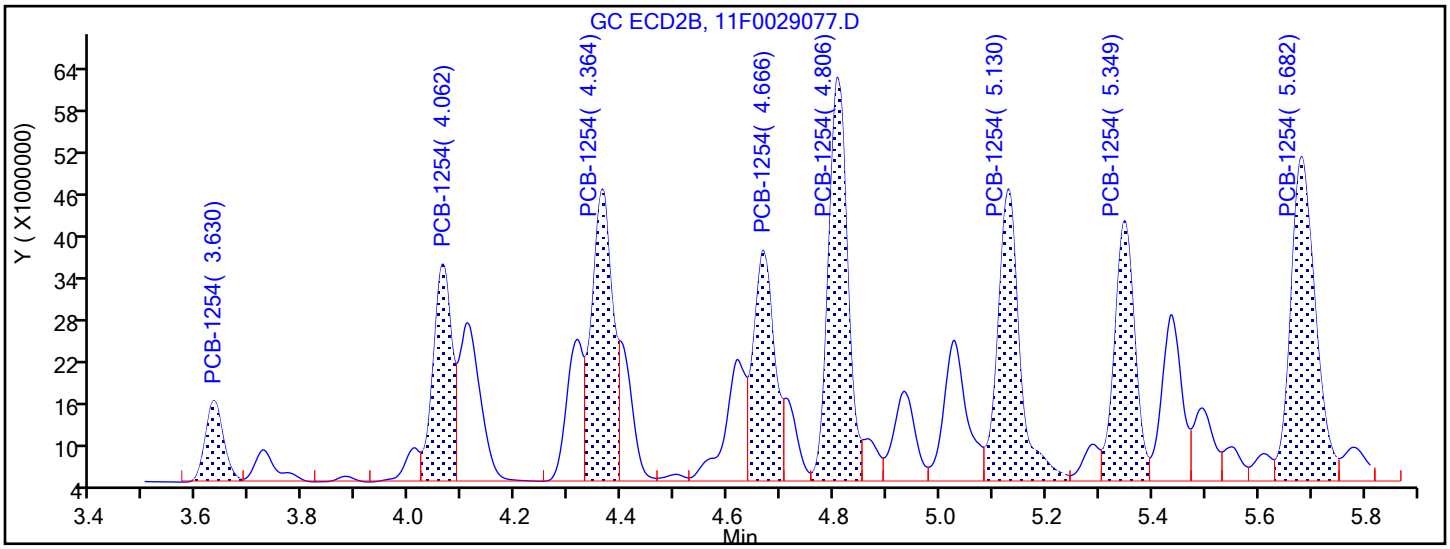
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029077.D
Injection Date: 21-Dec-2023 13:30:05 Instrument ID: CPESTGC11
Lims ID: IC 1254
Client ID:
Operator ID: ALS Bottle#: 28 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

7 PCB-1254, CAS: 11097-69-1



Processing Integration Results

3.630	Response = 28001150
4.062	Response = 76685363
4.364	Response = 148987375
4.666	Response = 111452899
4.806	Response = 158083193
5.130	Response = 121873670
5.349	Response = 99796819
5.682	Response = 150905772



Manual Integration Results

3.630	Response = 28001150	
4.062	Response = 76685363	
4.364	Response = 116078429	M
4.666	Response = 91185100	M
4.806	Response = 145667574	M
5.130	Response = 121873670	

Calibration / PCB-1254 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

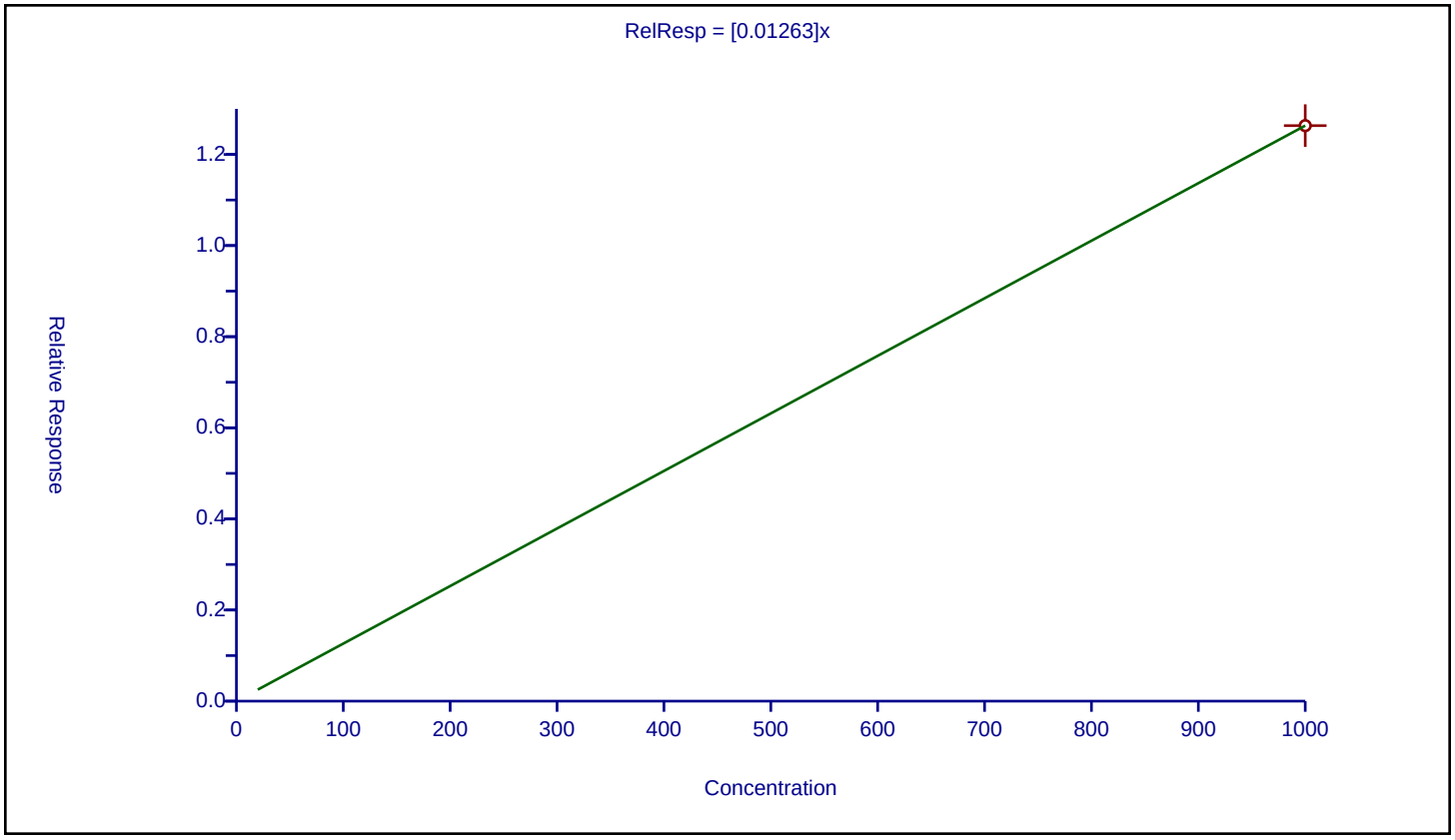
Curve Coefficients

Intercept:	0
Slope:	0.01263

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	12.632003	20.0	44333667.0	0.012632	Y



Calibration / PCB-1254 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

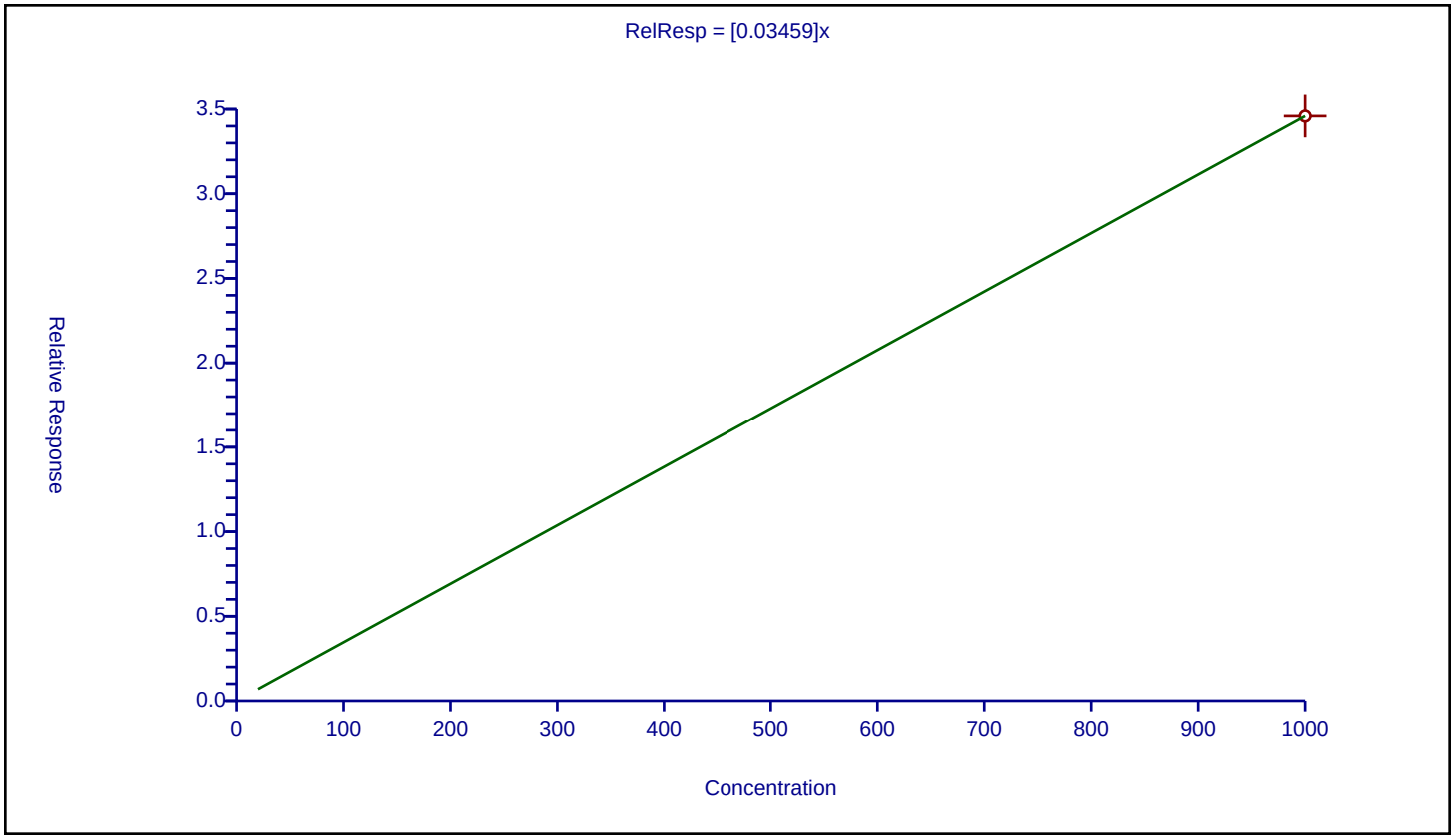
Curve Coefficients

Intercept:	0
Slope:	0.03459

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	34.59464	20.0	44333667.0	0.034595	Y



Calibration / PCB-1254 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

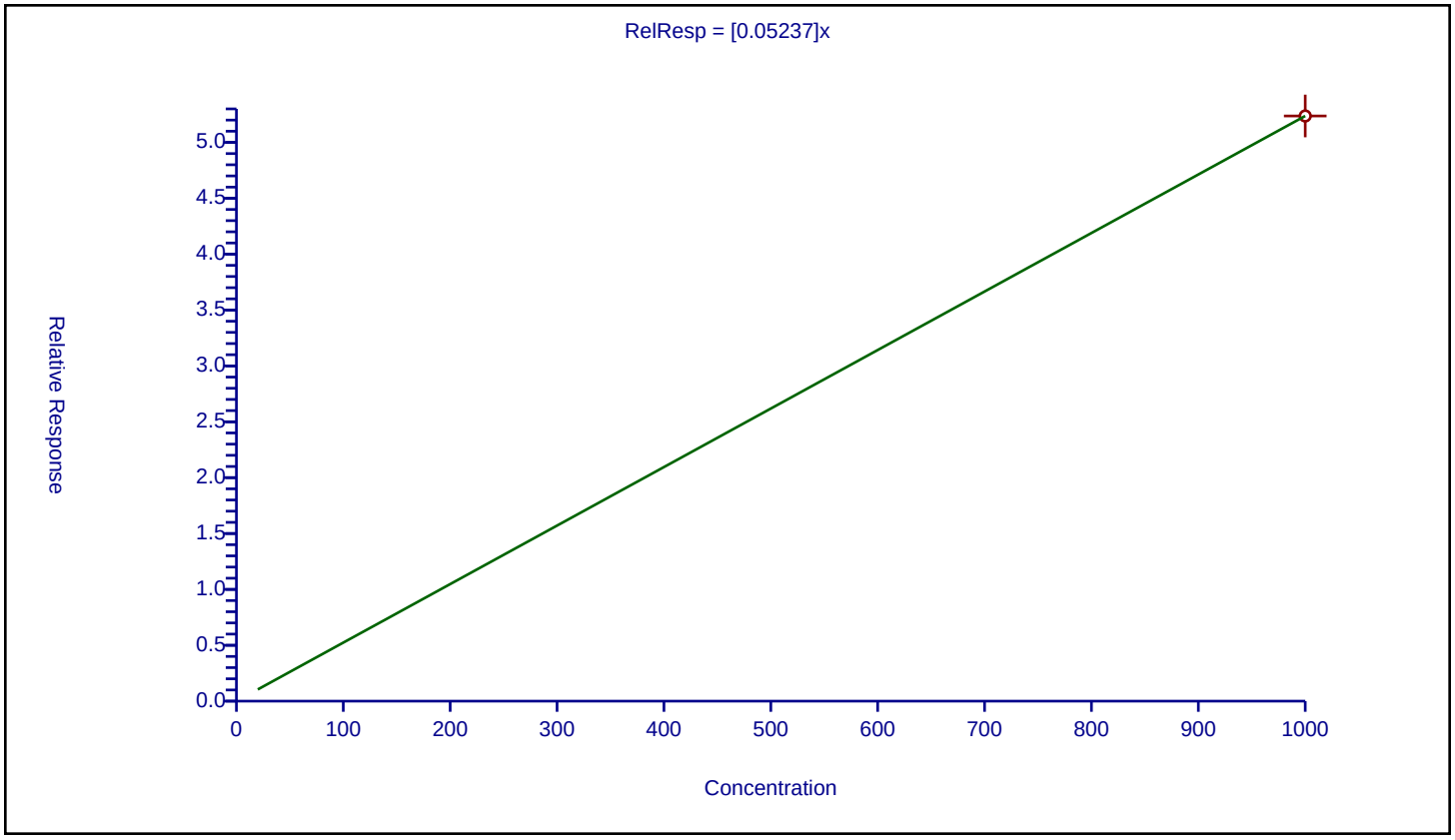
Curve Coefficients

Intercept:	0
Slope:	0.05237

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	52.365814	20.0	44333667.0	0.052366	Y



Calibration / PCB-1254 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

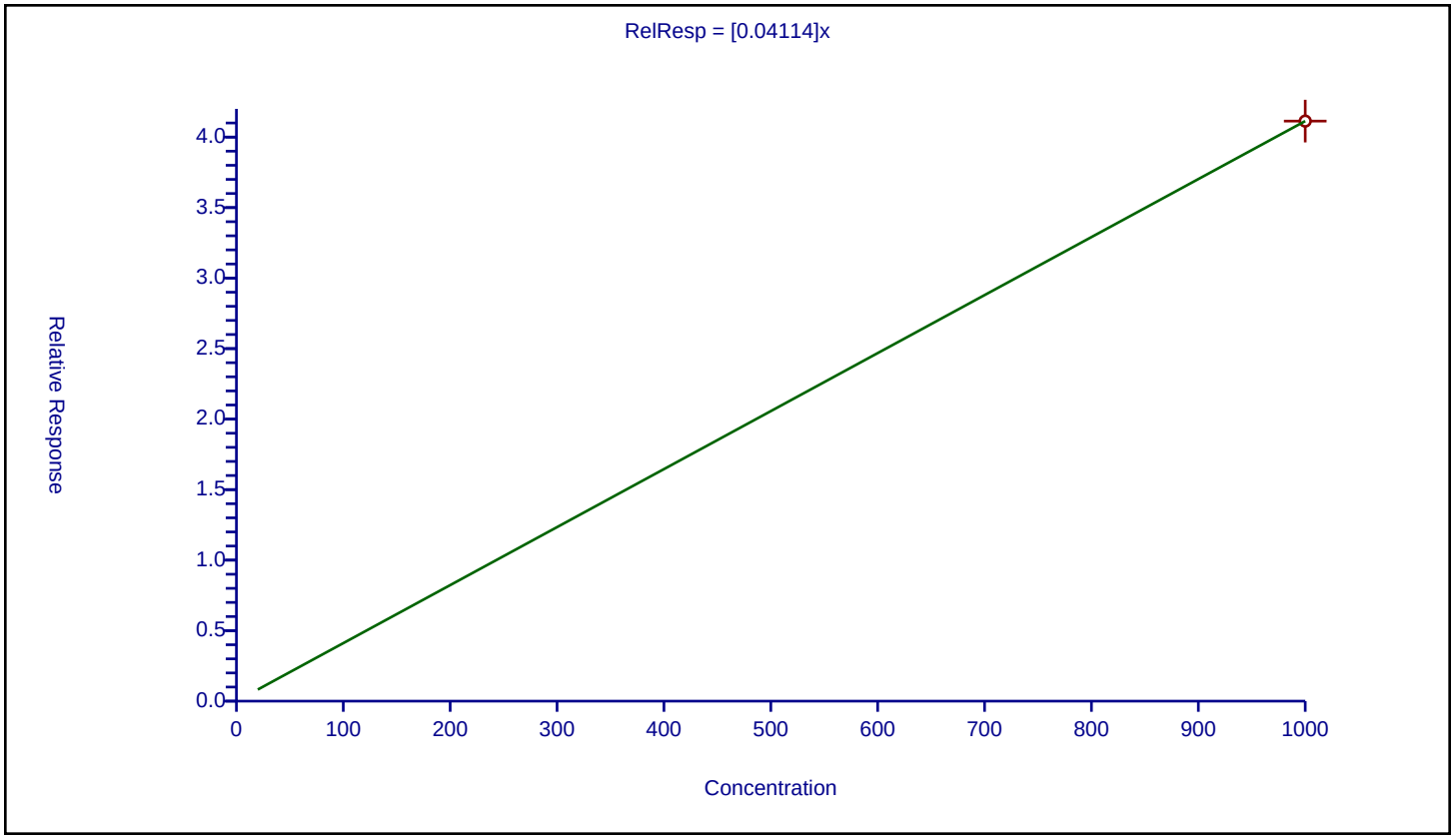
Curve Coefficients

Intercept:	0
Slope:	0.04114

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	41.135826	20.0	44333667.0	0.041136	Y



Calibration / PCB-1254 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

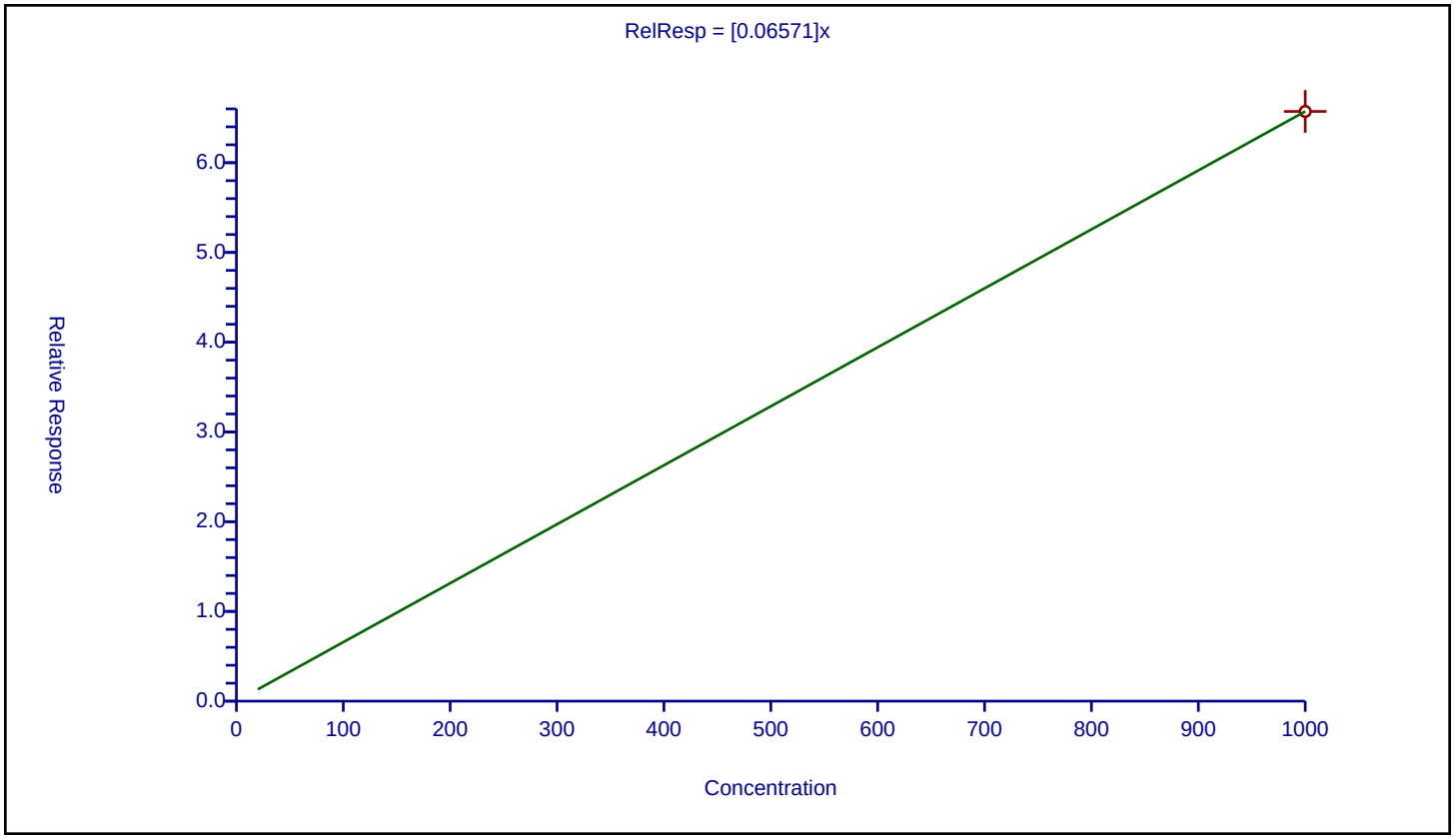
Curve Coefficients

Intercept:	0
Slope:	0.06571

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	65.7142	20.0	44333667.0	0.065714	Y



Calibration / PCB-1254 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

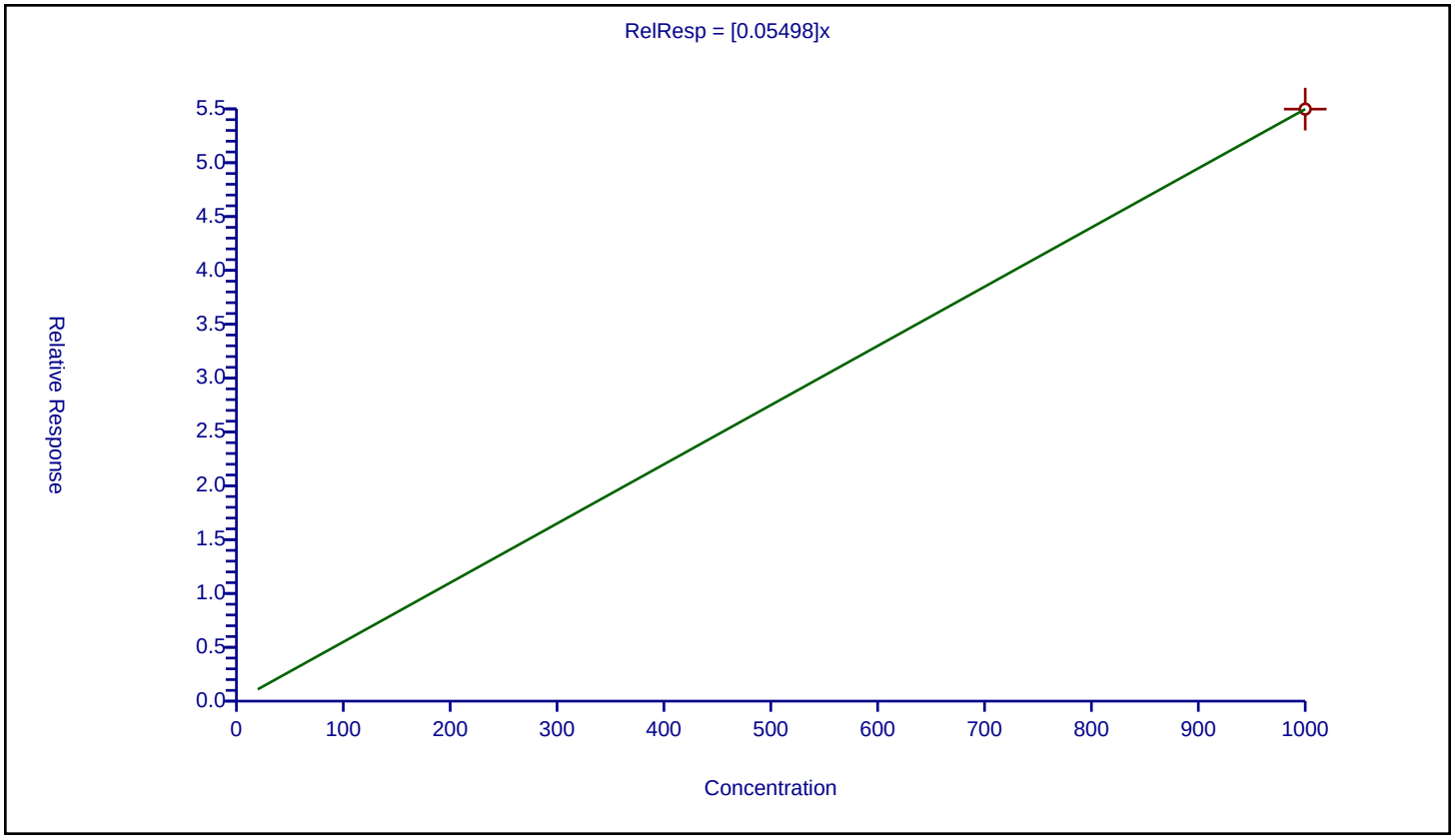
Curve Coefficients

Intercept:	0
Slope:	0.05498

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	54.980189	20.0	44333667.0	0.05498	Y



Calibration / PCB-1254 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

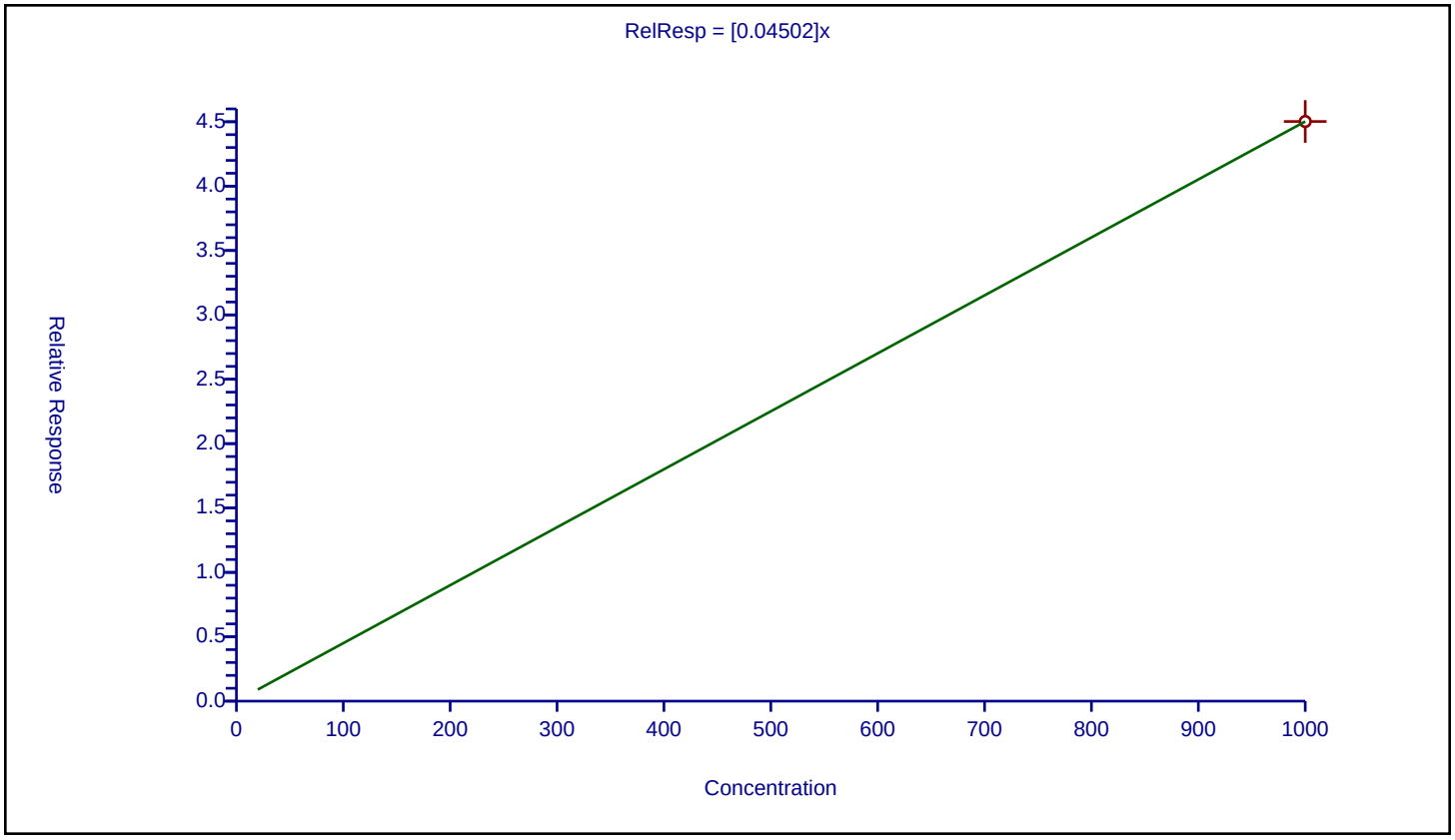
Curve Coefficients

Intercept:	0
Slope:	0.04502

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	45.020783	20.0	44333667.0	0.045021	Y



Calibration / PCB-1254 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

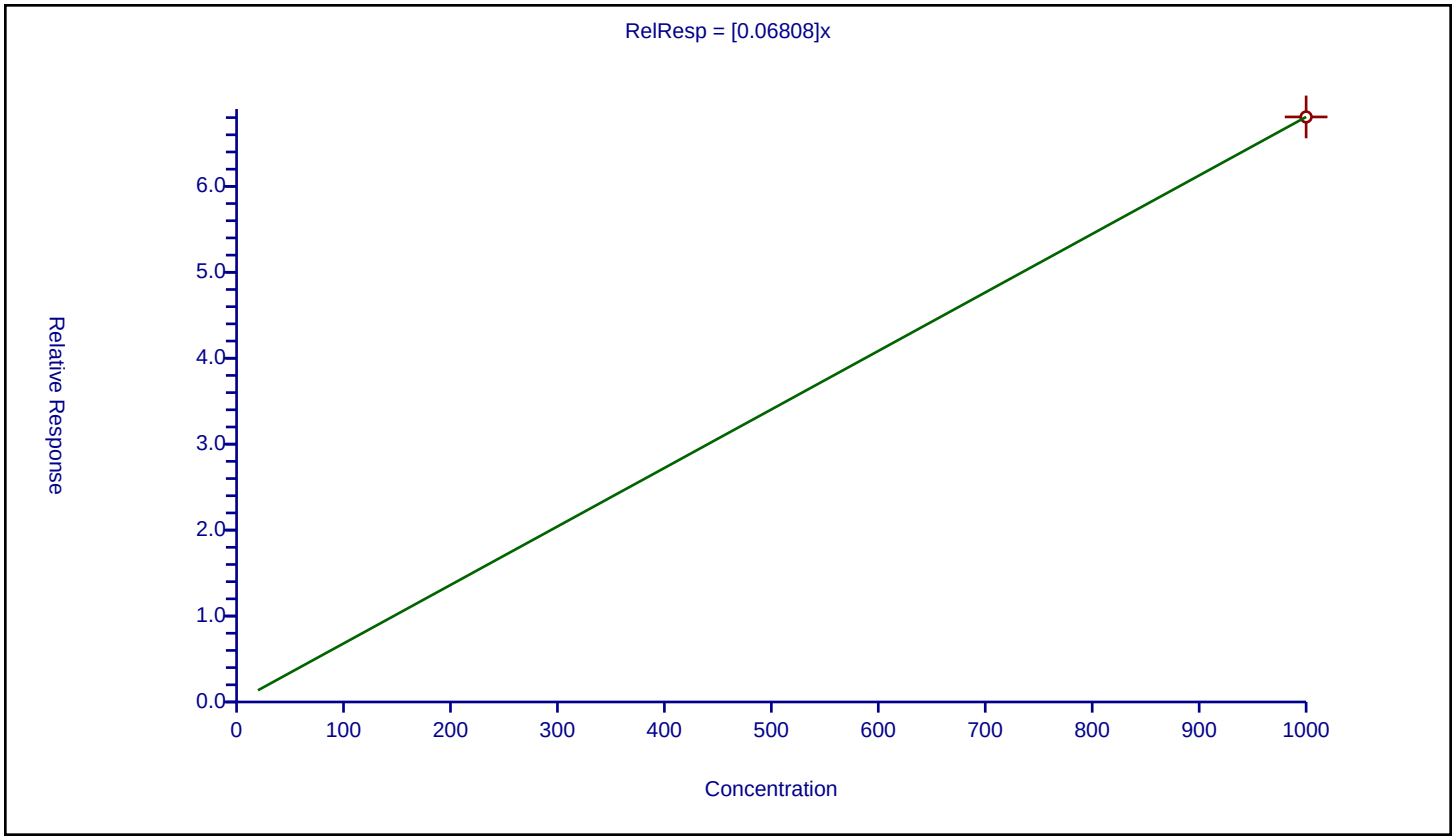
Curve Coefficients

Intercept:	0
Slope:	0.06808

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/12	1000.0	68.07728	20.0	44333667.0	0.068077	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 Calibration End Date: 12/21/2023 13:46 Calibration ID: 95538

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0320					Ave		0.0320						20.0			
PCB-1262 Peak 2	0.0386					Ave		0.0386						20.0			
PCB-1262 Peak 3	0.0601					Ave		0.0601						20.0			
PCB-1262 Peak 4	0.0572					Ave		0.0572						20.0			
PCB-1262 Peak 5	0.1326					Ave		0.1326						20.0			
PCB-1262 Peak 6	0.0224					Ave		0.0224						20.0			
PCB-1262 Peak 7	0.0539					Ave		0.0539						20.0			
PCB-1262 Peak 8	0.0186					Ave		0.0186						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 | Calibration End Date: 12/21/2023 13:46 | Calibration ID: 95538

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	76162496					1000				
PCB-1262 Peak 2	BNB	Ave	91833284					1000				
PCB-1262 Peak 3	BNB	Ave	143042847					1000				
PCB-1262 Peak 4	BNB	Ave	136136821					1000				
PCB-1262 Peak 5	BNB	Ave	315654511					1000				
PCB-1262 Peak 6	BNB	Ave	53229817					1000				
PCB-1262 Peak 7	BNB	Ave	128405514					1000				
PCB-1262 Peak 8	BNB	Ave	44369653					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:46:48 ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:27 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:16:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	47606359	20.0	20.0	
2	1.228	1.228	0.000	43525586	20.0	20.0	M
						RPD = 0.00	
9 PCB-1262							M
1	6.348	6.348	0.000	76162496	1000.0	1000.0	M
1	6.678	6.678	0.000	91833284	1000.0	1000.0	M
1	7.455	7.455	0.000	143042847	1000.0	1000.0	M
1	8.017	8.017	0.000	136136821	1000.0	1000.0	M
1	8.544	8.544	0.000	315654511	1000.0	1000.0	M
1	10.018	10.018	0.000	53229817	1000.0	1000.0	
1	10.233	10.233	0.000	128405514	1000.0	1000.0	
1	10.591	10.591	0.000	44369653	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.026	5.026	0.000	93077365	1000.0	1000.0	
2	6.165	6.165	0.000	217540550	1000.0	1000.0	
2	6.628	6.628	0.000	352079939	1000.0	1000.0	
2	7.070	7.070	0.000	113377891	1000.0	1000.0	
2	7.220	7.220	0.000	149132494	1000.0	1000.0	
2	7.710	7.710	0.000	56651470	1000.0	1000.0	
2	8.228	8.228	0.000	135158832	1000.0	1000.0	
2	8.829	8.829	0.000	48084099	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

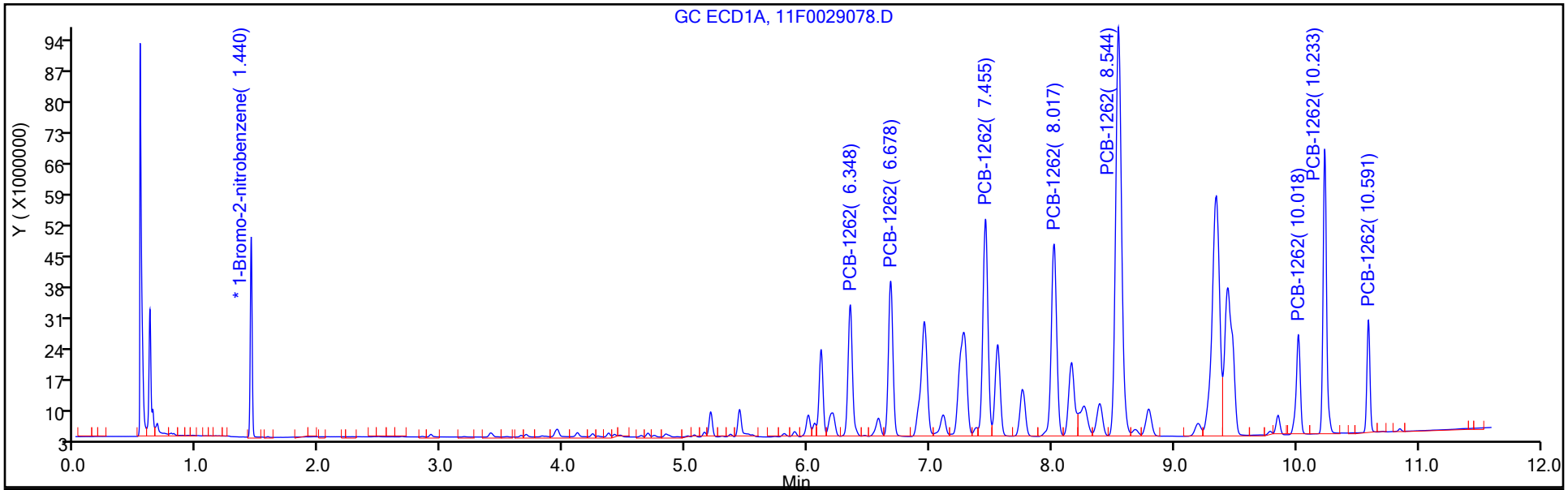
SG1262L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

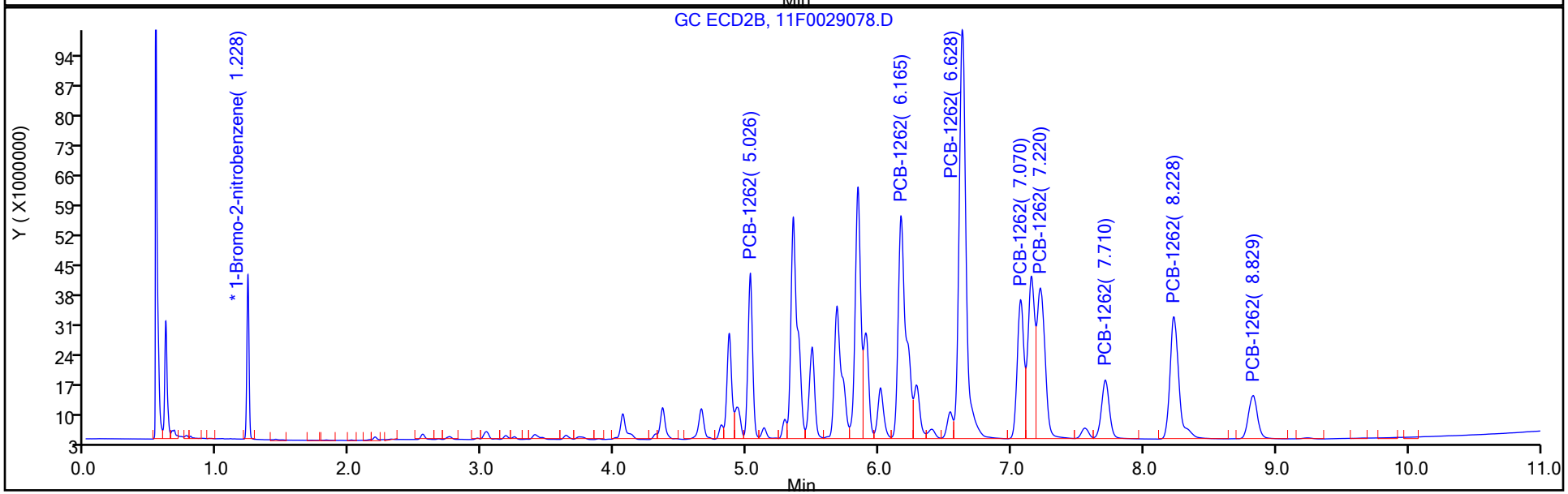
Report Date: 21-Dec-2023 14:24:28 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D

Injection Date:	21-Dec-2023 13:46:48	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





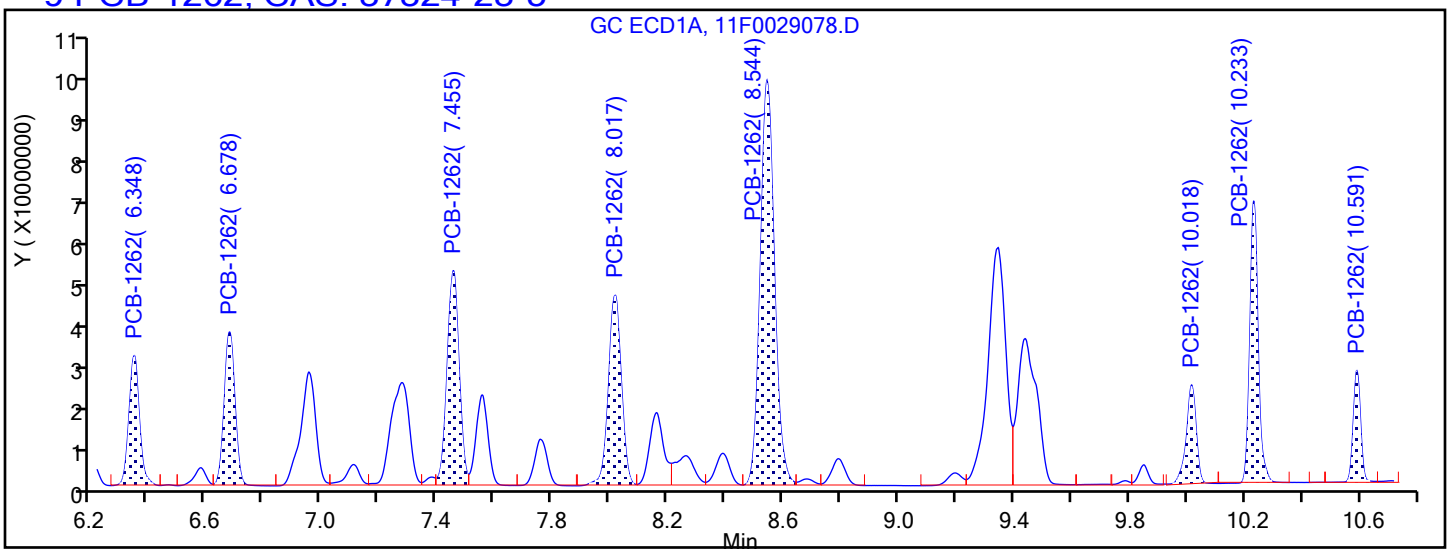
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:24:28 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

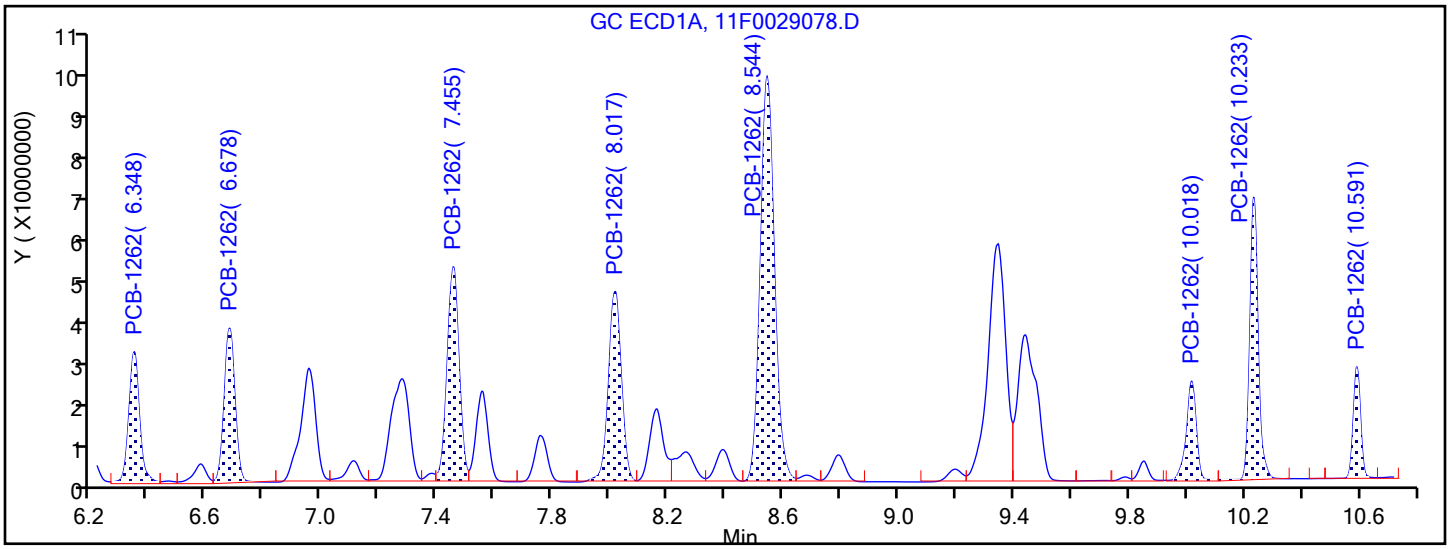
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Injection Date: 21-Dec-2023 13:46:48 Instrument ID: CPESTGC11
Lims ID: IC 1262
Client ID:
Operator ID: ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

9 PCB-1262, CAS: 37324-23-5



Processing Integration Results

6.348	Response = 76081844
6.678	Response = 91575285
7.455	Response = 142477499
8.017	Response = 134999609
8.544	Response = 314219564
10.018	Response = 53229817
10.233	Response = 128405514
10.591	Response = 44369653



Manual Integration Results

6.348	Response = 76162496	M
6.678	Response = 91833284	M
7.455	Response = 143042847	M
8.017	Response = 136136821	M
8.544	Response = 315654511	M
10.018	Response = 53229817	

Calibration / PCB-1262 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

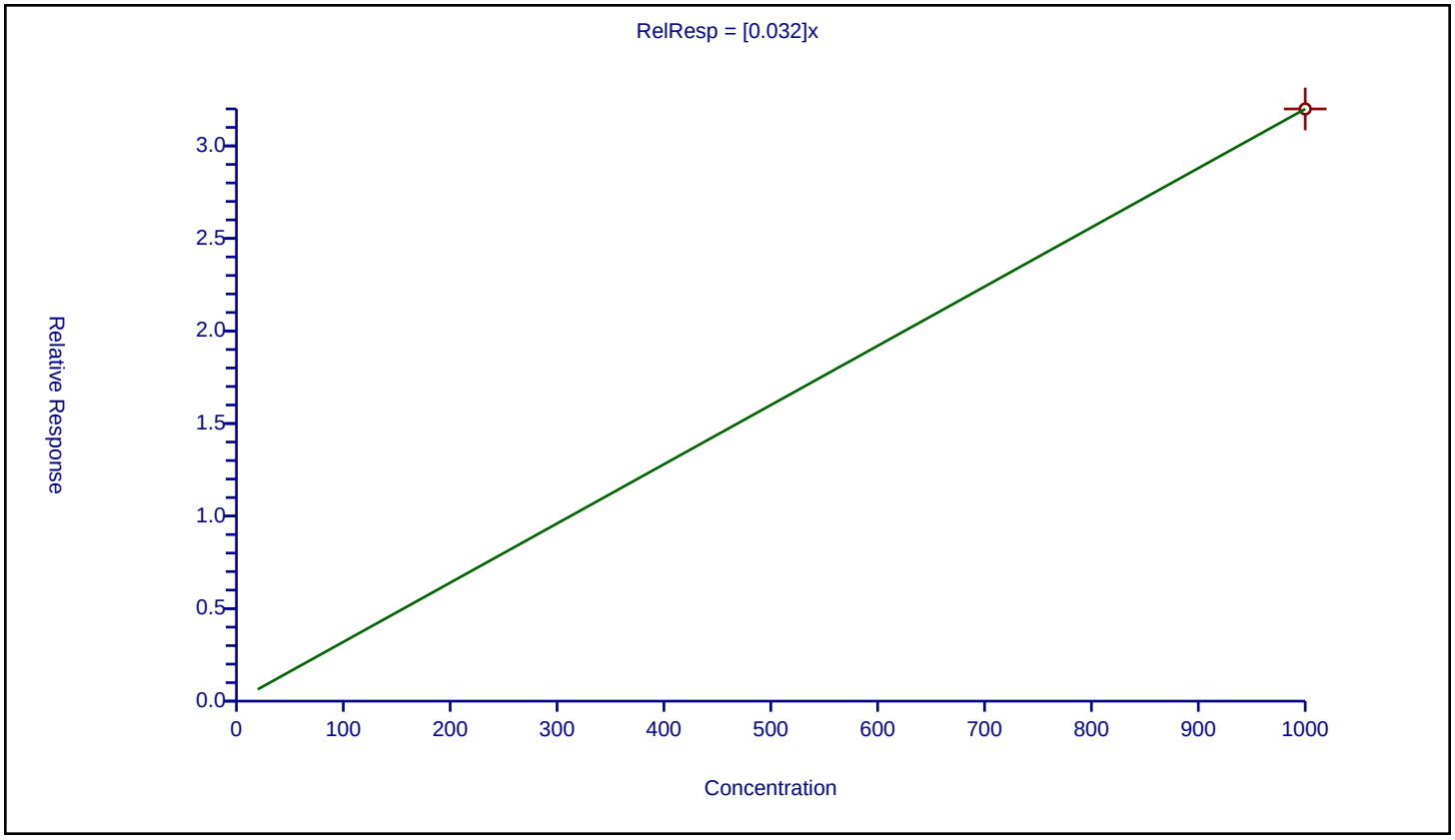
Curve Coefficients

Intercept:	0
Slope:	0.032

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	31.996774	20.0	47606359.0	0.031997	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

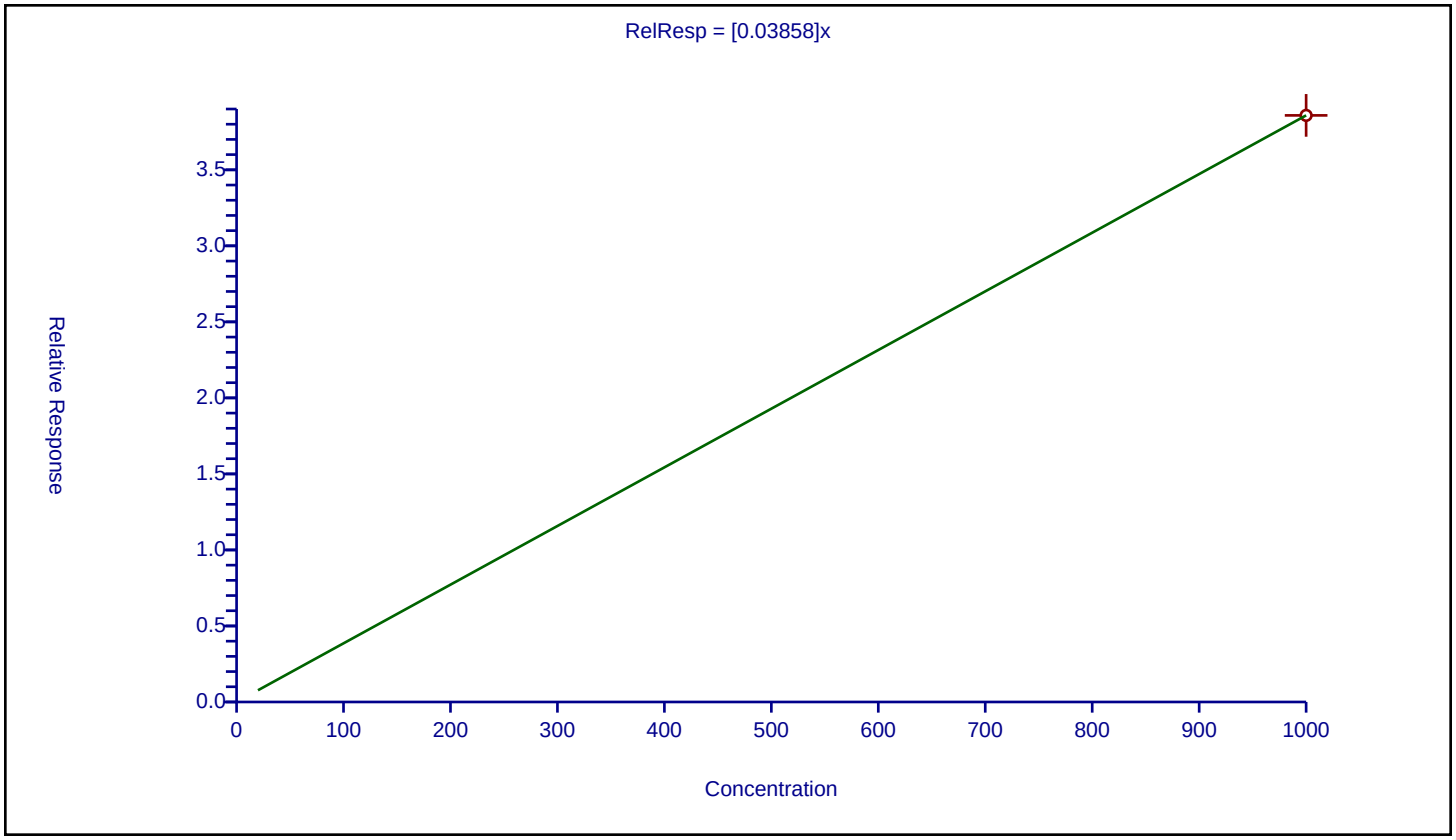
Curve Coefficients

Intercept:	0
Slope:	0.03858

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	38.580259	20.0	47606359.0	0.03858	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

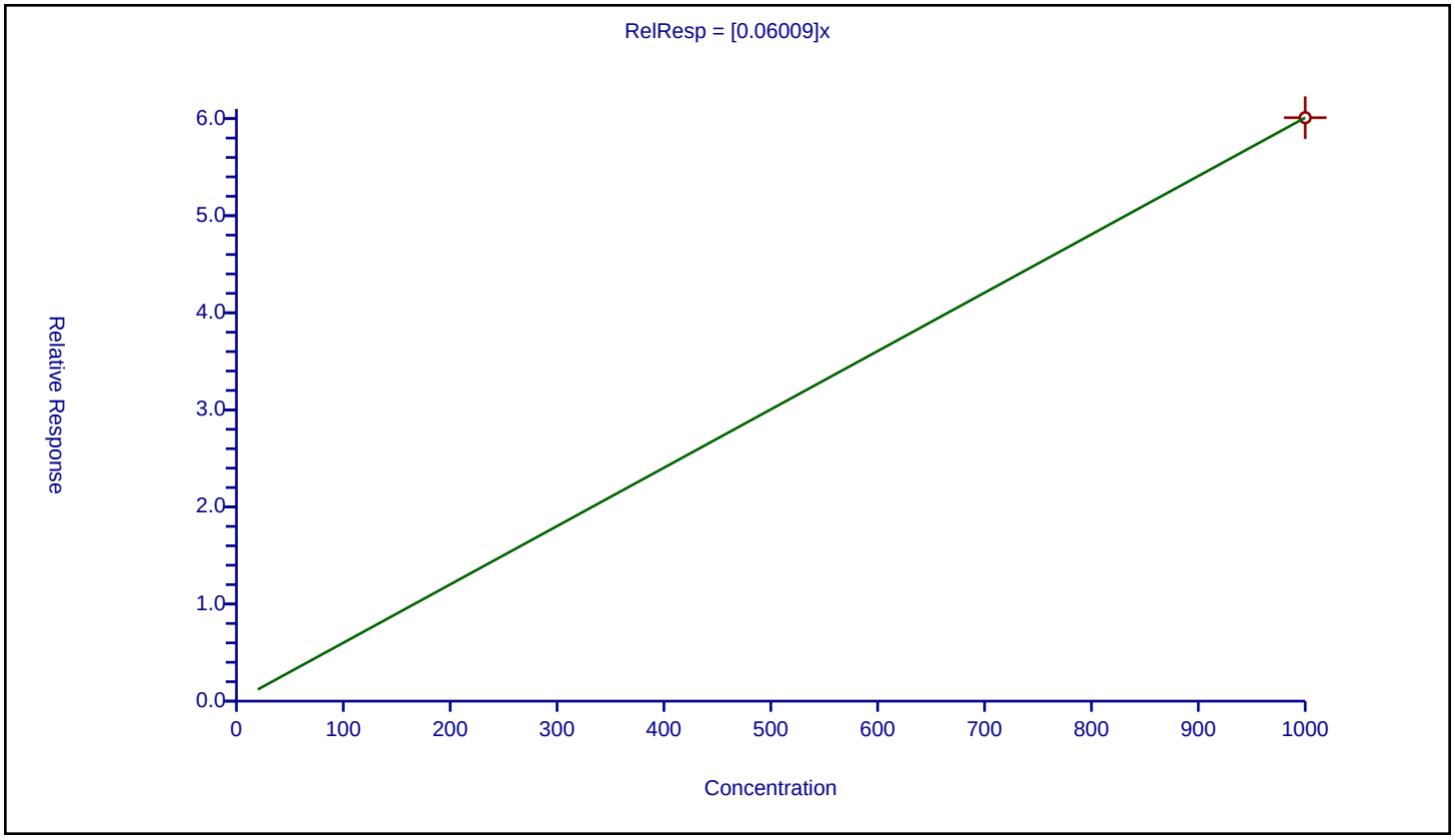
Curve Coefficients

Intercept:	0
Slope:	0.06009

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	60.094008	20.0	47606359.0	0.060094	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

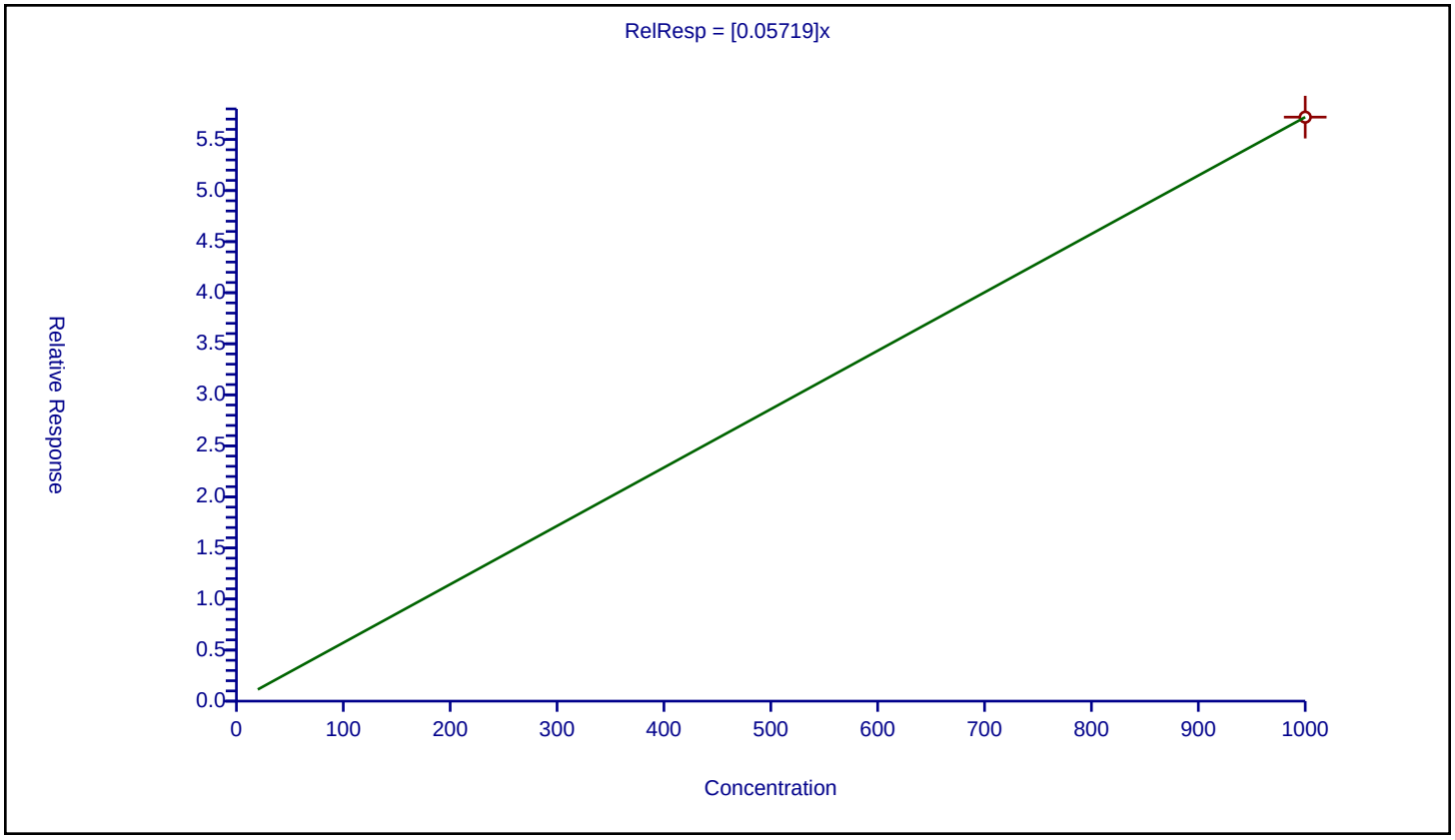
Curve Coefficients

Intercept:	0
Slope:	0.05719

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	57.192704	20.0	47606359.0	0.057193	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

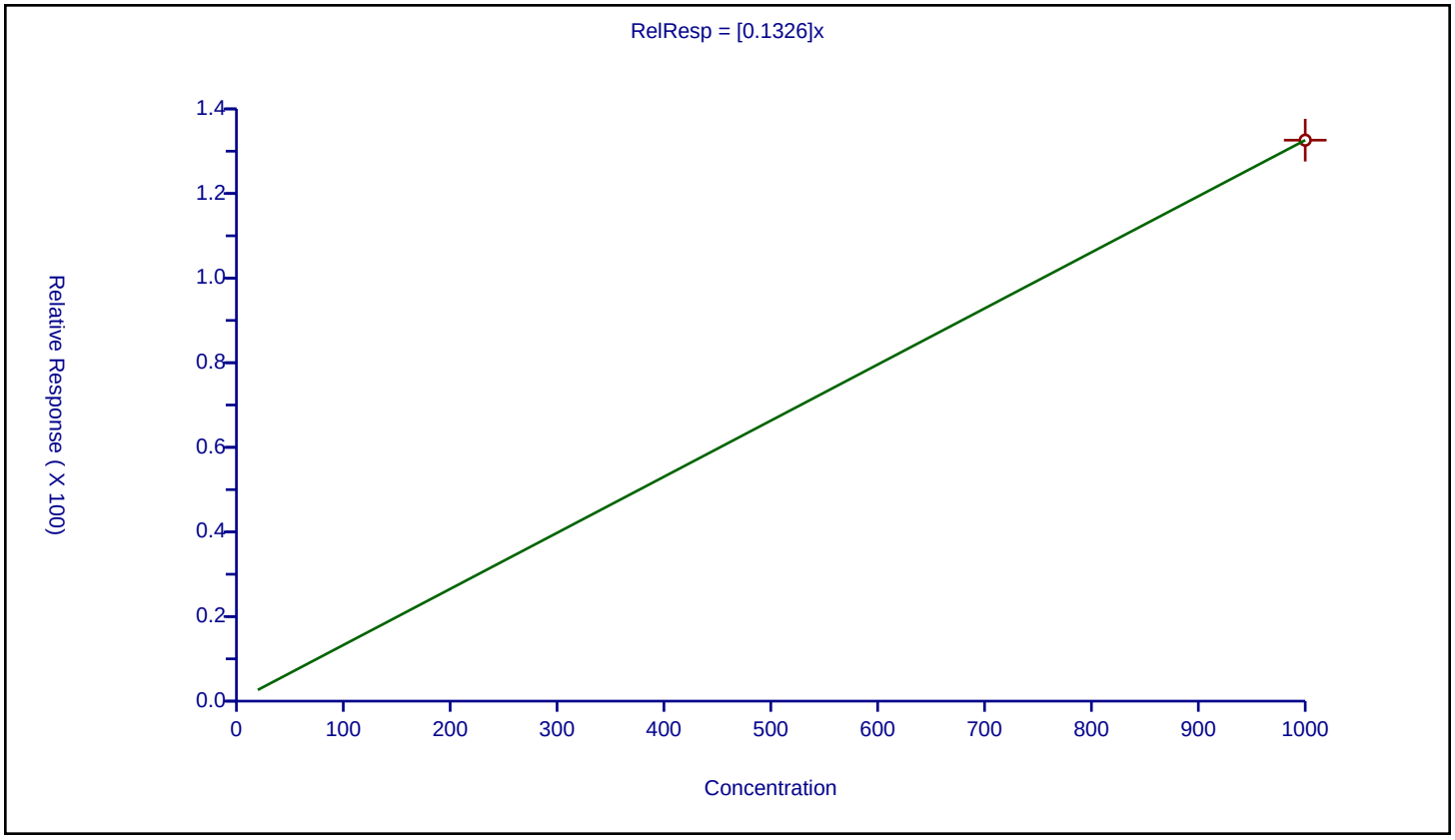
Curve Coefficients

Intercept:	0
Slope:	0.1326

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	132.61023	20.0	47606359.0	0.13261	Y



Calibration / PCB-1262 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

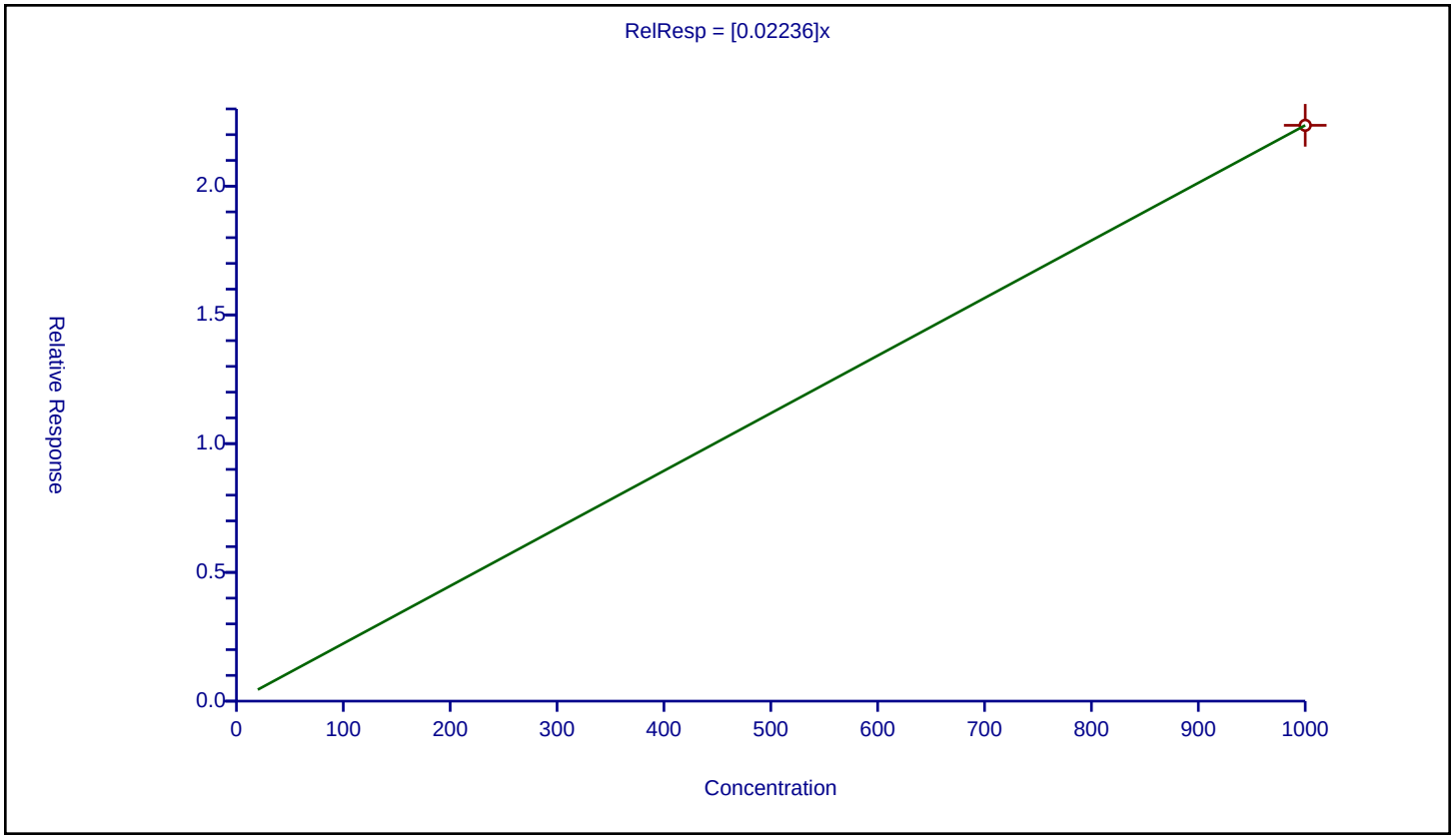
Curve Coefficients

Intercept:	0
Slope:	0.02236

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	22.362482	20.0	47606359.0	0.022362	Y



Calibration / PCB-1262 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

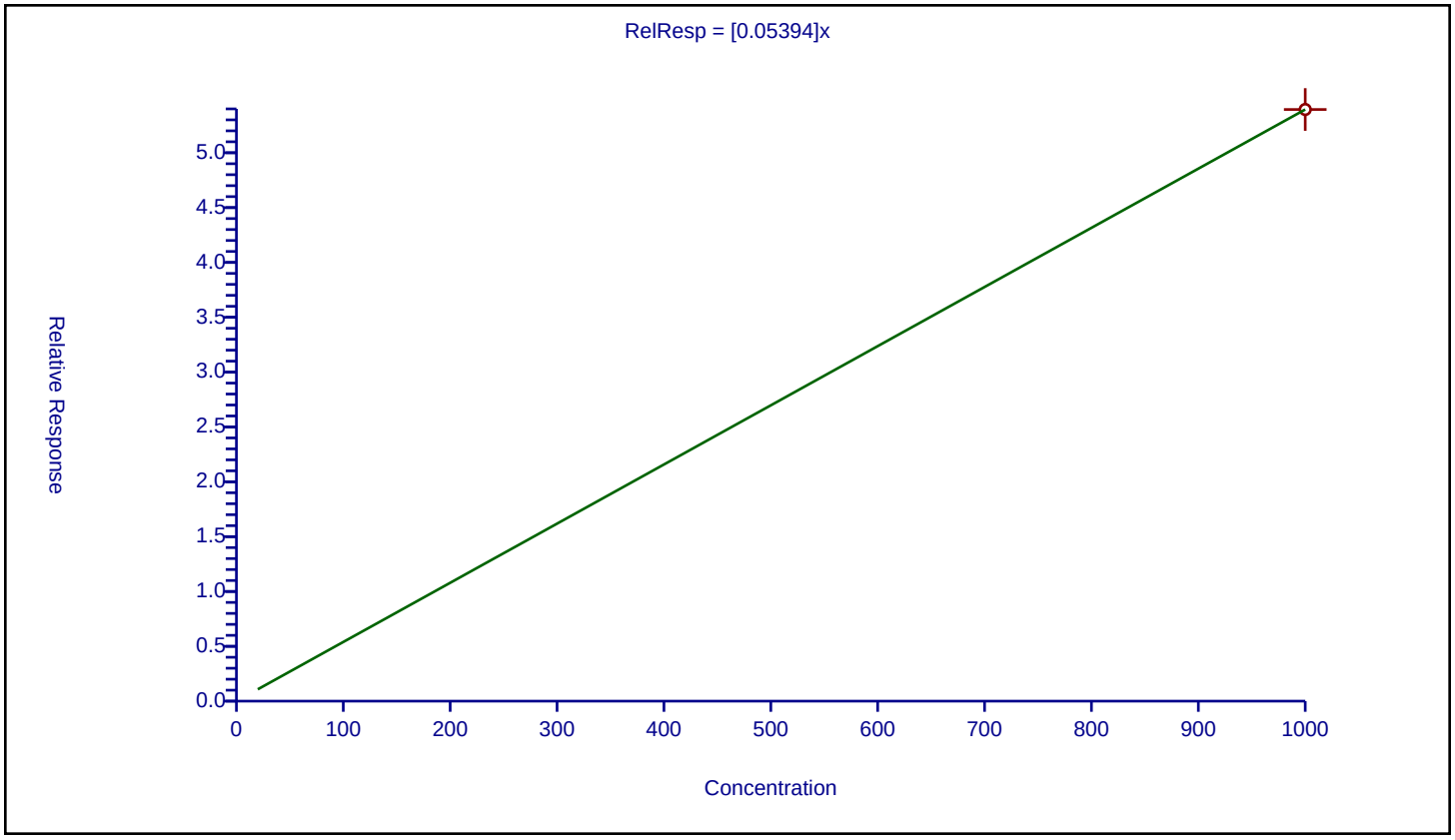
Curve Coefficients

Intercept:	0
Slope:	0.05394

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	53.94469	20.0	47606359.0	0.053945	Y



Calibration / PCB-1262 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

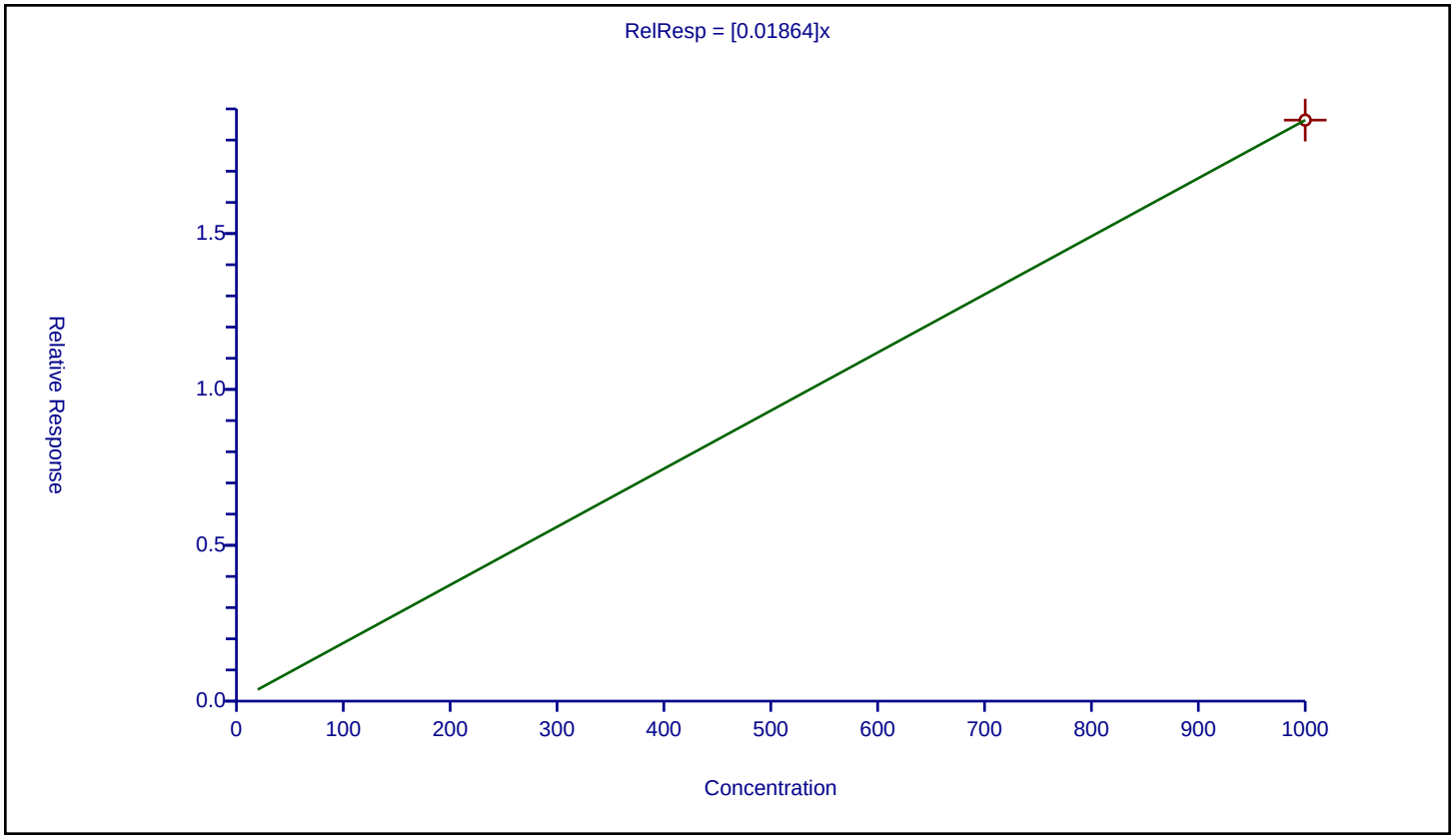
Curve Coefficients

Intercept:	0
Slope:	0.01864

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	18.640221	20.0	47606359.0	0.01864	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 Calibration End Date: 12/21/2023 13:46 Calibration ID: 95539

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1262 Peak 1	0.0428					Ave		0.0428						20.0			
PCB-1262 Peak 2	0.1000					Ave		0.1000						20.0			
PCB-1262 Peak 3	0.1618					Ave		0.1618						20.0			
PCB-1262 Peak 4	0.0521					Ave		0.0521						20.0			
PCB-1262 Peak 5	0.0685					Ave		0.0685						20.0			
PCB-1262 Peak 6	0.0260					Ave		0.0260						20.0			
PCB-1262 Peak 7	0.0621					Ave		0.0621						20.0			
PCB-1262 Peak 8	0.0221					Ave		0.0221						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 13:46 | Calibration End Date: 12/21/2023 13:46 | Calibration ID: 95539

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/13	11F0029078.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1262 Peak 1	BNB	Ave	93077365					1000				
PCB-1262 Peak 2	BNB	Ave	217540550					1000				
PCB-1262 Peak 3	BNB	Ave	352079939					1000				
PCB-1262 Peak 4	BNB	Ave	113377891					1000				
PCB-1262 Peak 5	BNB	Ave	149132494					1000				
PCB-1262 Peak 6	BNB	Ave	56651470					1000				
PCB-1262 Peak 7	BNB	Ave	135158832					1000				
PCB-1262 Peak 8	BNB	Ave	48084099					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Lims ID: IC 1262
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 13:46:48 ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-013
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub8

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:27 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:16:45

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	47606359	20.0	20.0	
2	1.228	1.228	0.000	43525586	20.0	20.0	M
						RPD = 0.00	
9 PCB-1262							M
1	6.348	6.348	0.000	76162496	1000.0	1000.0	M
1	6.678	6.678	0.000	91833284	1000.0	1000.0	M
1	7.455	7.455	0.000	143042847	1000.0	1000.0	M
1	8.017	8.017	0.000	136136821	1000.0	1000.0	M
1	8.544	8.544	0.000	315654511	1000.0	1000.0	M
1	10.018	10.018	0.000	53229817	1000.0	1000.0	
1	10.233	10.233	0.000	128405514	1000.0	1000.0	
1	10.591	10.591	0.000	44369653	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.026	5.026	0.000	93077365	1000.0	1000.0	
2	6.165	6.165	0.000	217540550	1000.0	1000.0	
2	6.628	6.628	0.000	352079939	1000.0	1000.0	
2	7.070	7.070	0.000	113377891	1000.0	1000.0	
2	7.220	7.220	0.000	149132494	1000.0	1000.0	
2	7.710	7.710	0.000	56651470	1000.0	1000.0	
2	8.228	8.228	0.000	135158832	1000.0	1000.0	
2	8.829	8.829	0.000	48084099	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend
Processing Flags

Review Flags

M - Manually Integrated

Reagents:

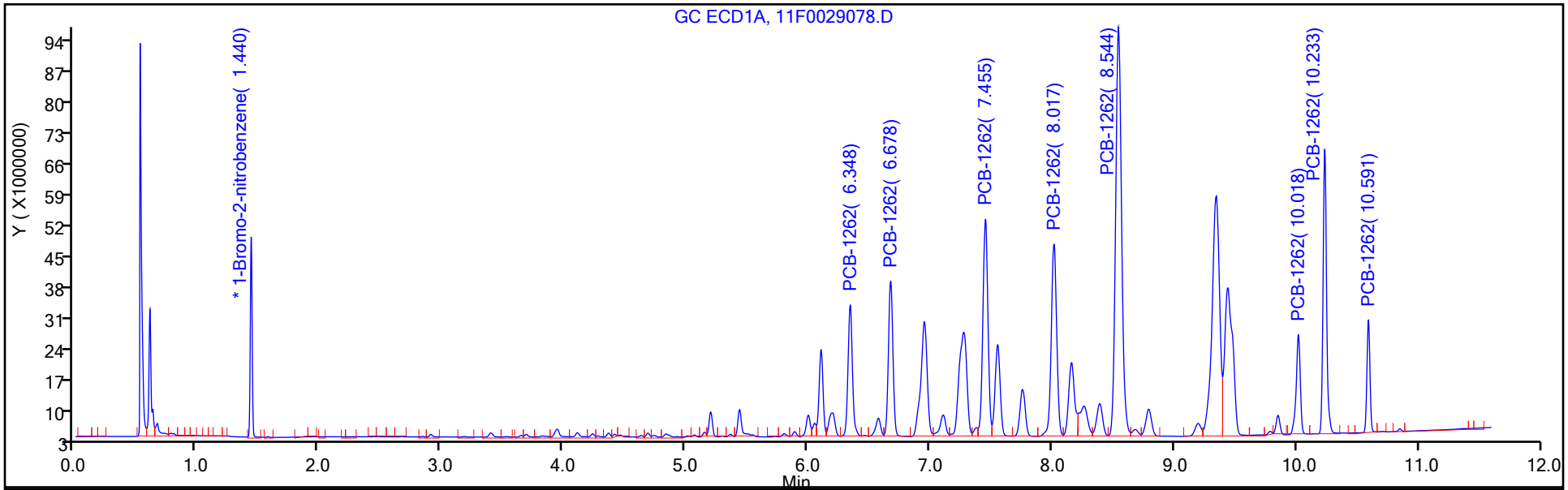
SG1262L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

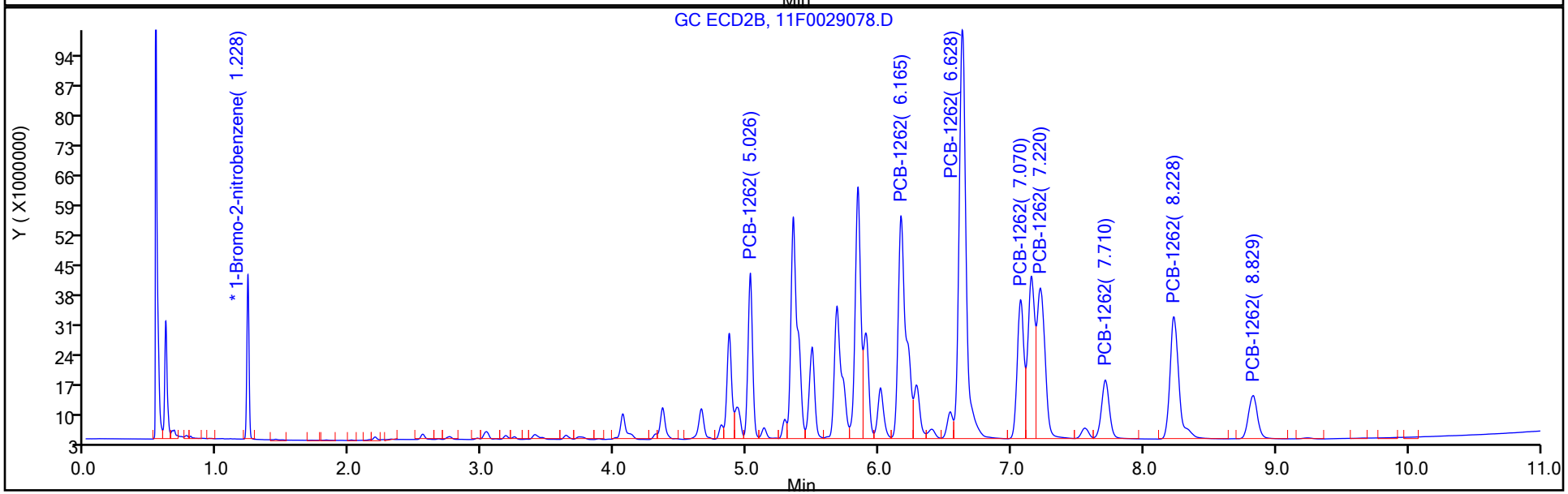
Report Date: 21-Dec-2023 14:24:29 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D

Injection Date:	21-Dec-2023 13:46:48	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1262			Worklist Smp#:	13
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

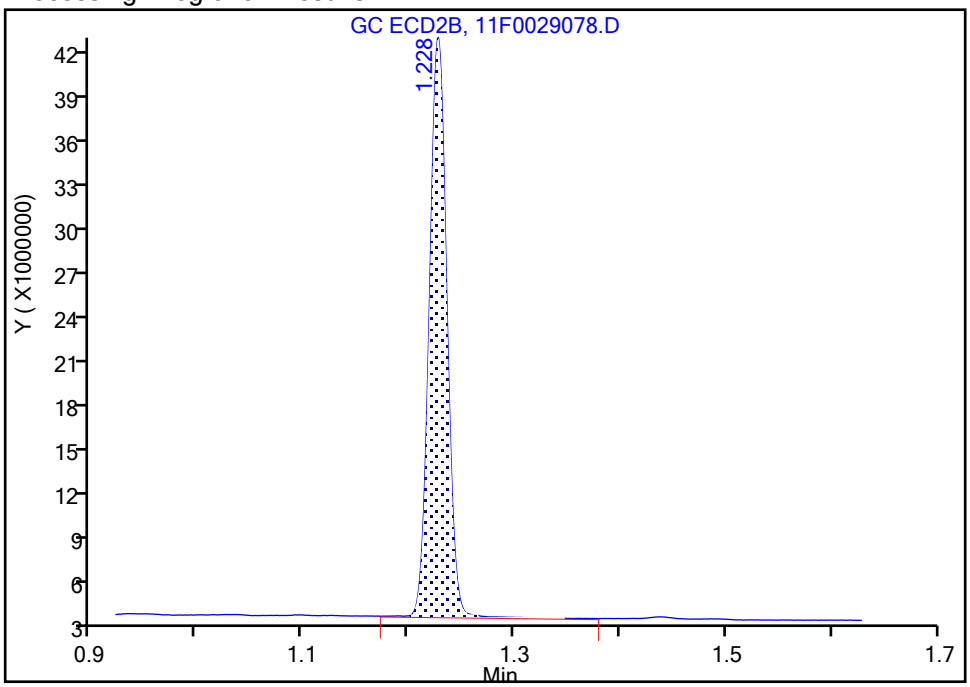
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029078.D
Injection Date: 21-Dec-2023 13:46:48 Instrument ID: CPESTGC11
Lims ID: IC 1262
Client ID:
Operator ID: ALS Bottle#: 29 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

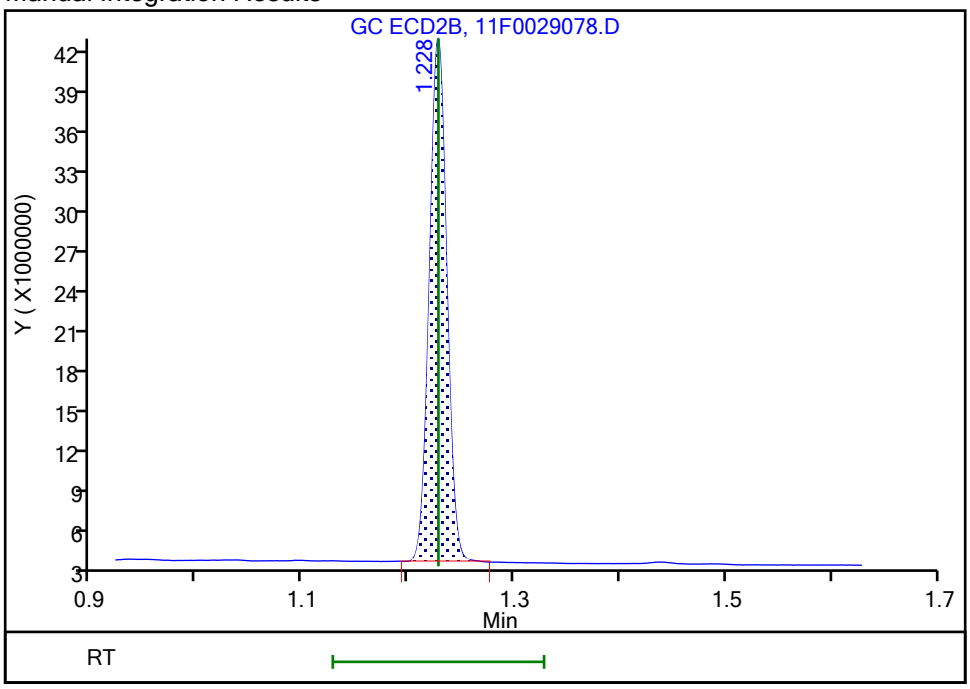
Processing Integration Results

RT: 1.23
Area: 44280714
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 43525586
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 14:16:27 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Calibration / PCB-1262 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

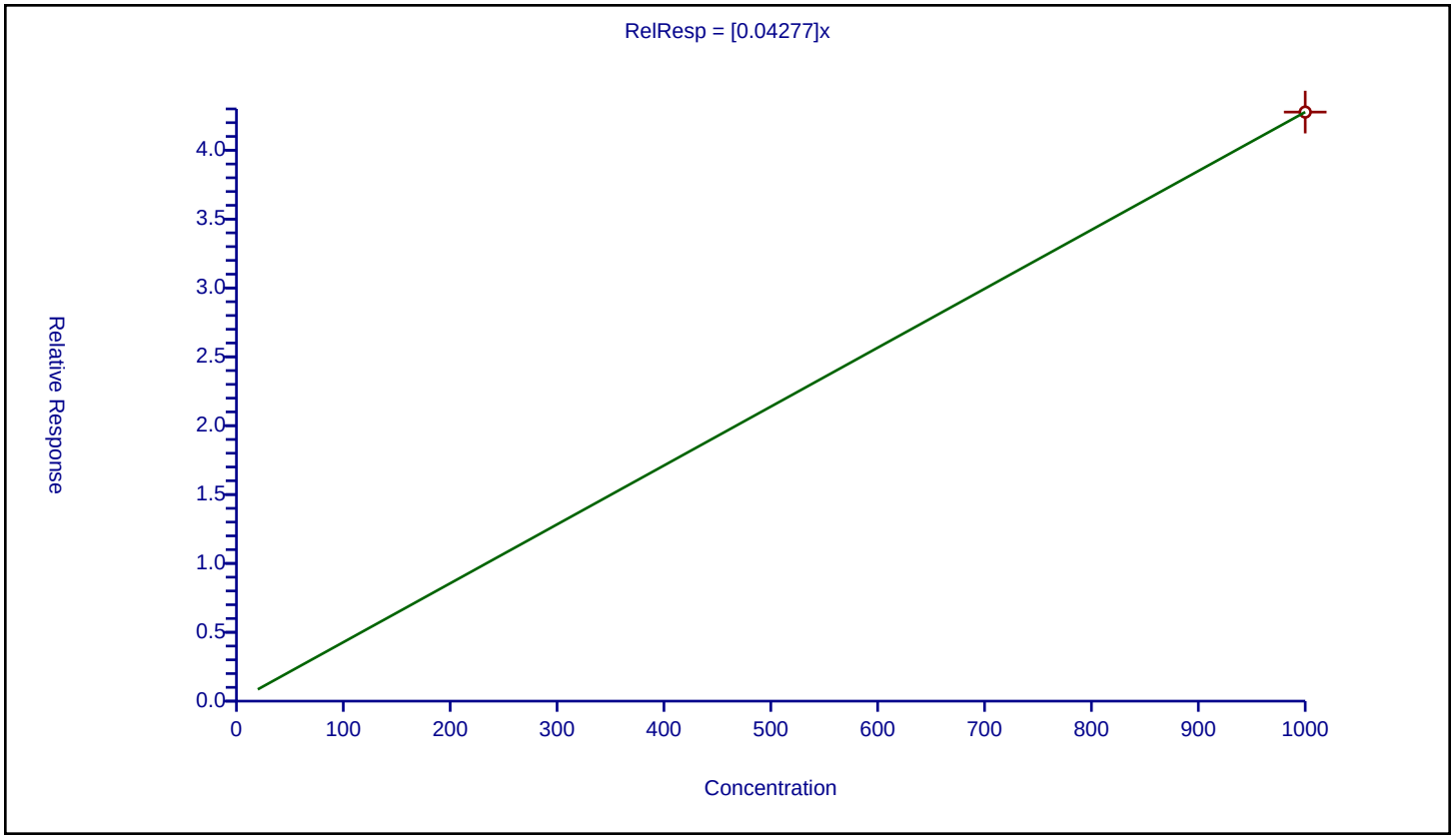
Curve Coefficients

Intercept:	0
Slope:	0.04277

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	42.769035	20.0	43525586.0	0.042769	Y



Calibration / PCB-1262 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

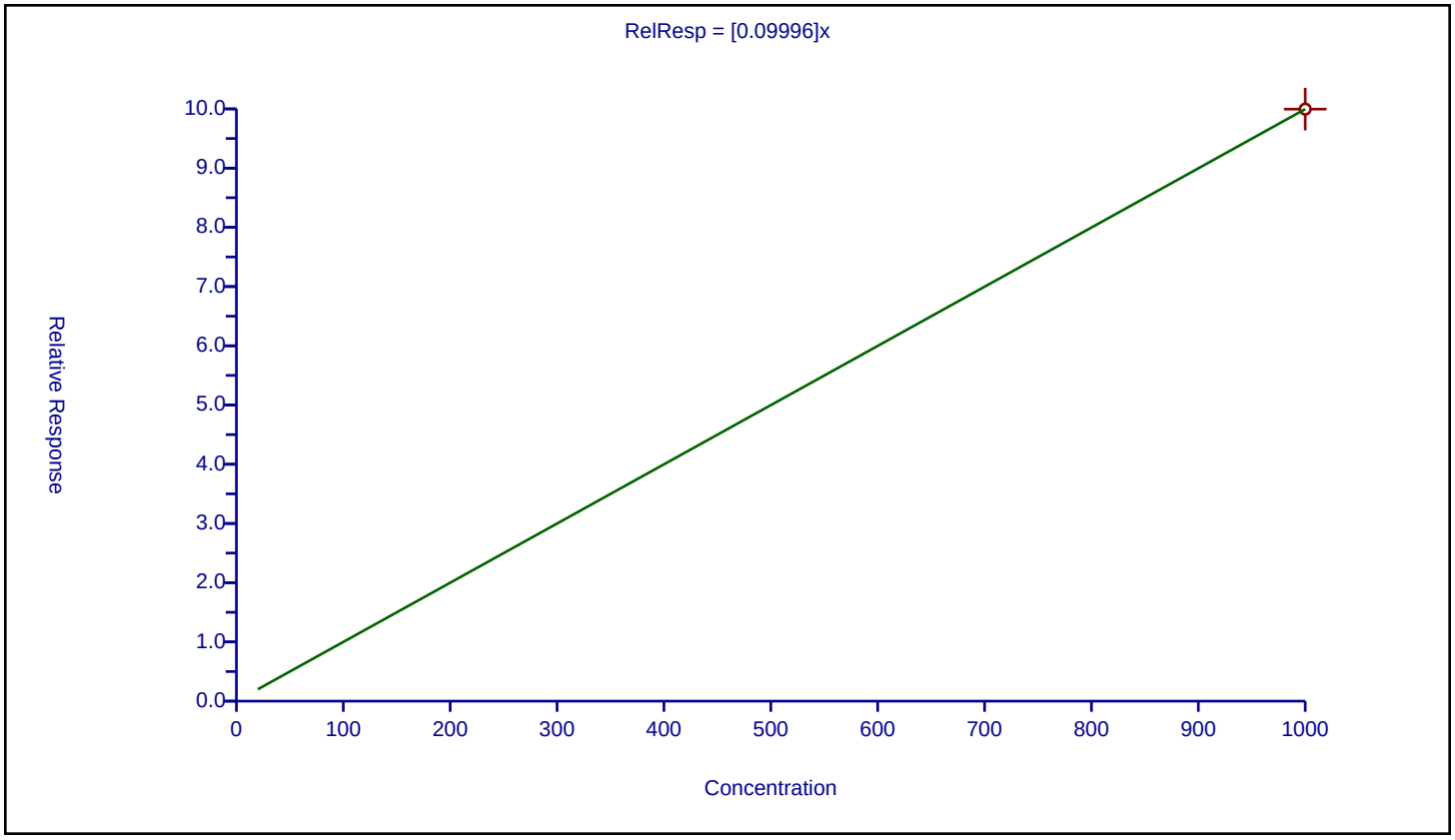
Curve Coefficients

Intercept:	0
Slope:	0.09996

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	99.959849	20.0	43525586.0	0.09996	Y



Calibration / PCB-1262 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

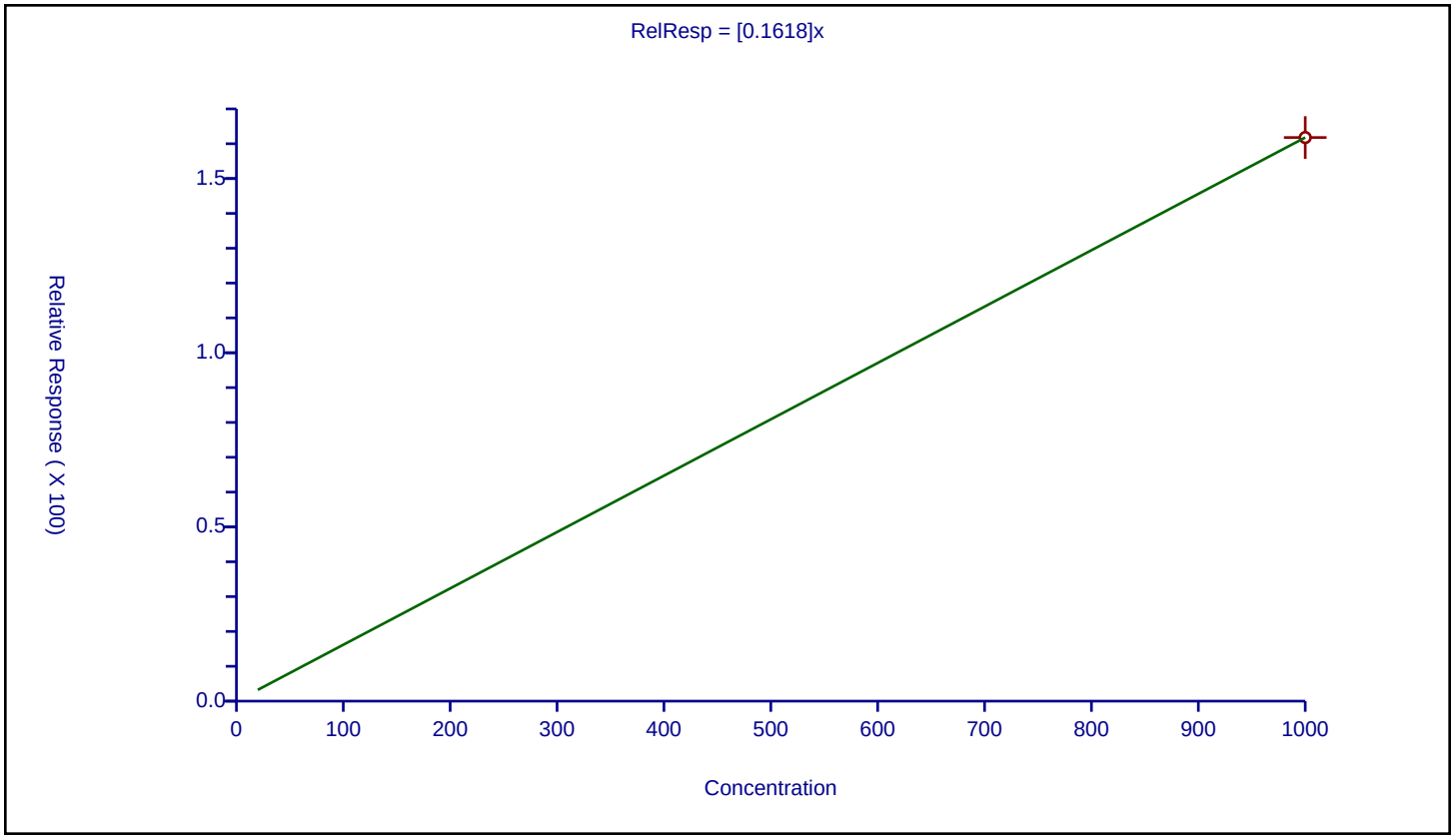
Curve Coefficients

Intercept:	0
Slope:	0.1618

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	161.780677	20.0	43525586.0	0.161781	Y



Calibration / PCB-1262 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

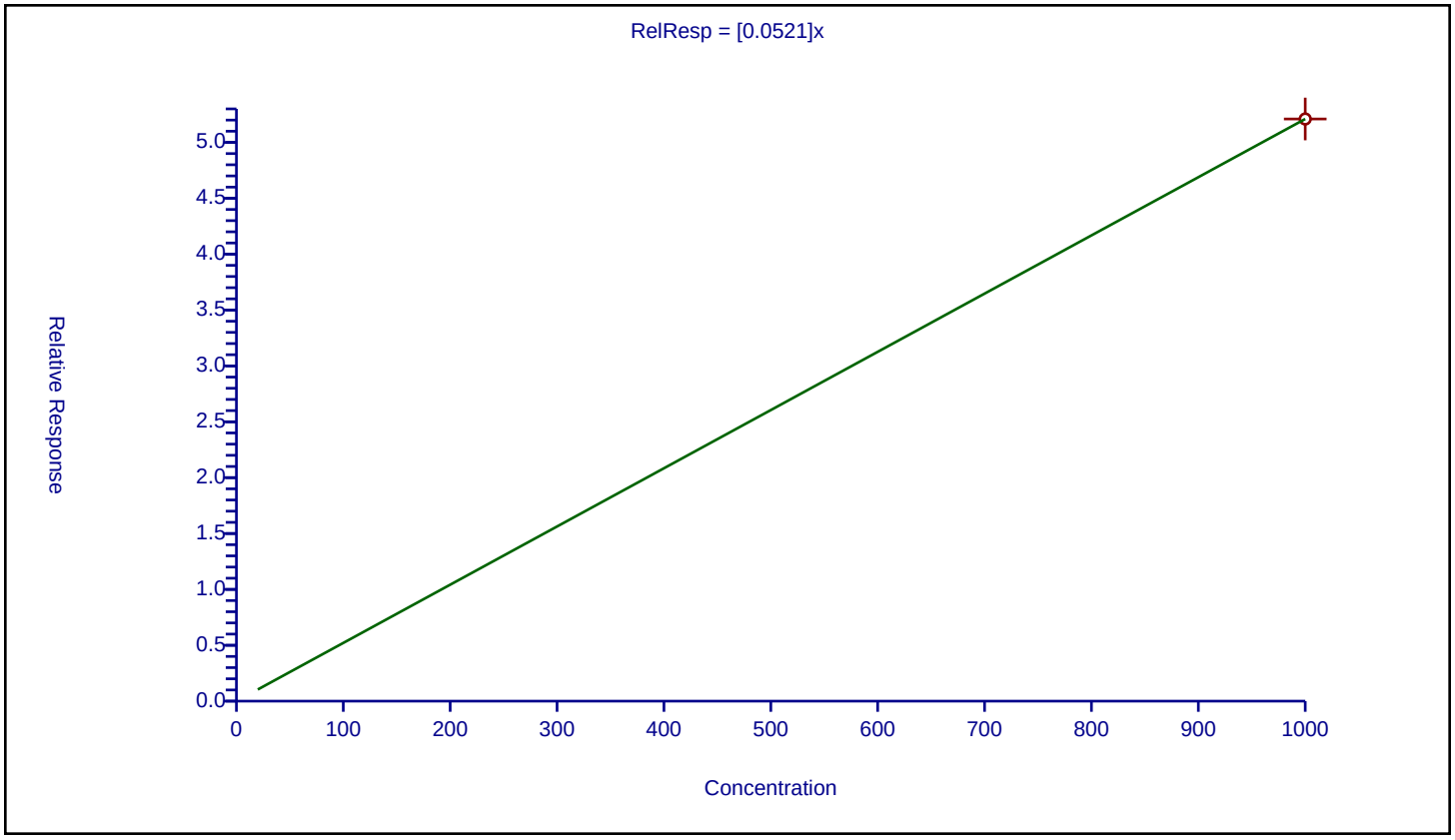
Curve Coefficients

Intercept:	0
Slope:	0.0521

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	52.097123	20.0	43525586.0	0.052097	Y



Calibration / PCB-1262 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

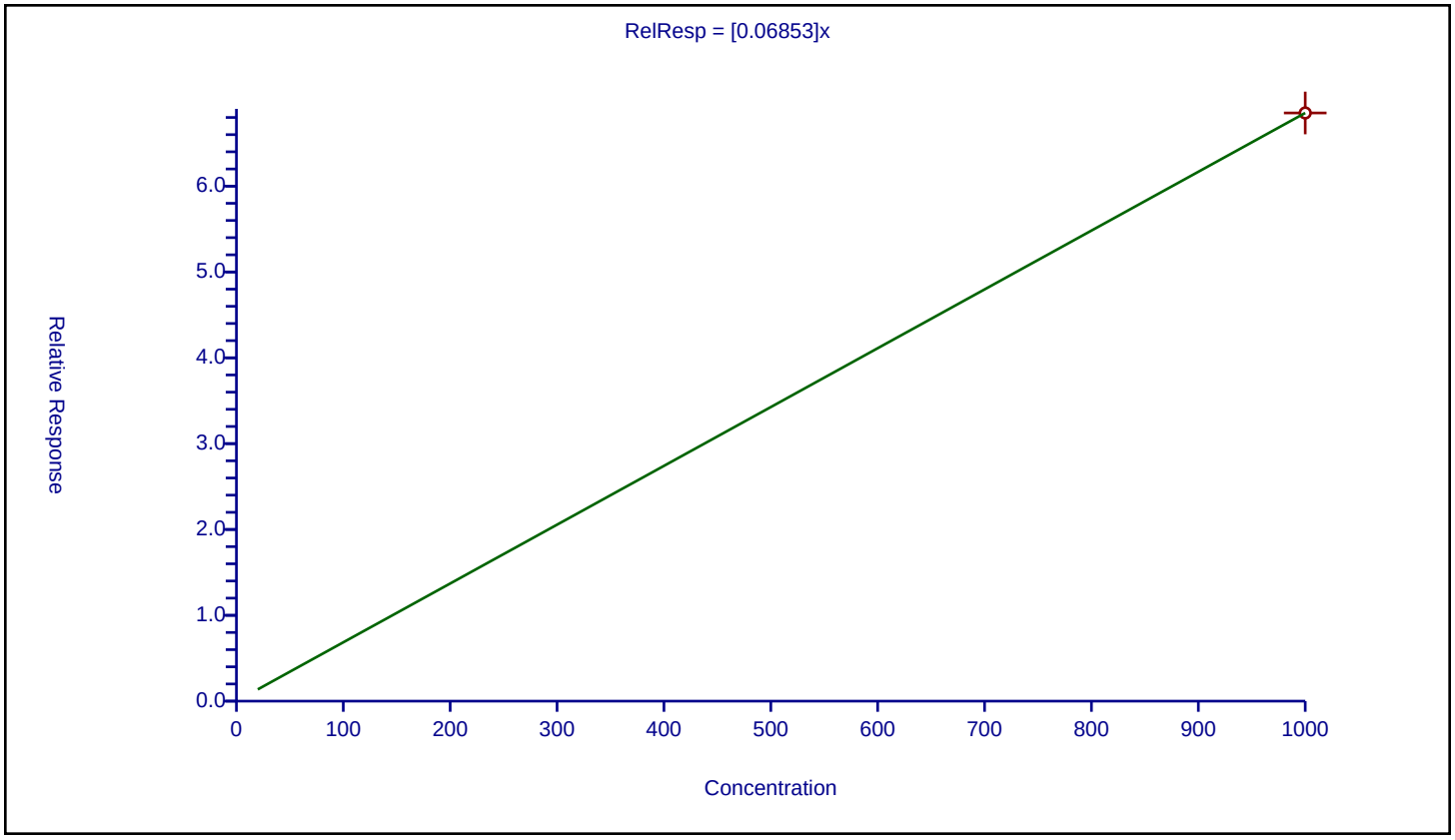
Curve Coefficients

Intercept:	0
Slope:	0.06853

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	68.526358	20.0	43525586.0	0.068526	Y



Calibration / PCB-1262 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

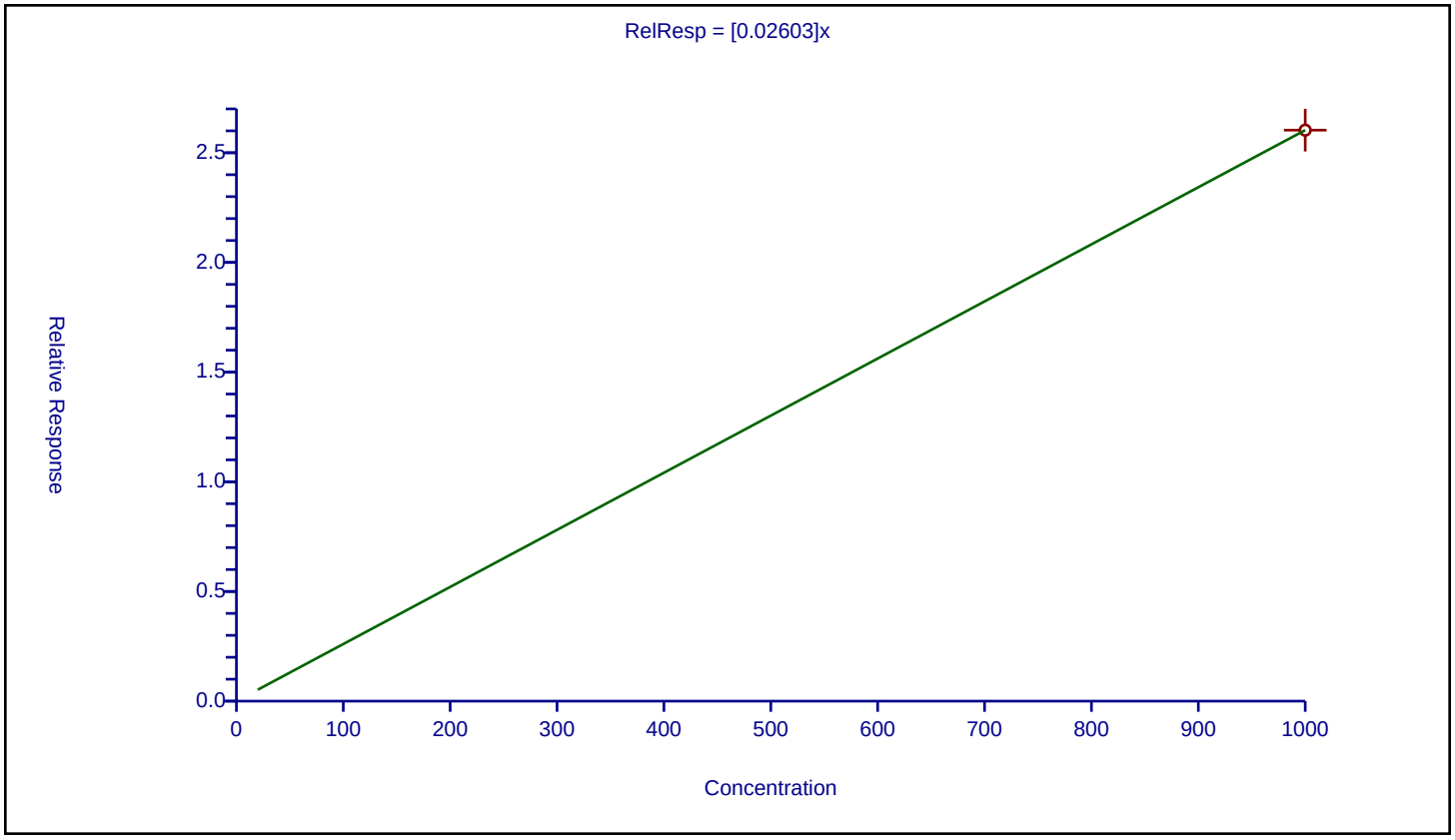
Curve Coefficients

Intercept:	0
Slope:	0.02603

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	26.031342	20.0	43525586.0	0.026031	Y



Calibration / PCB-1262 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

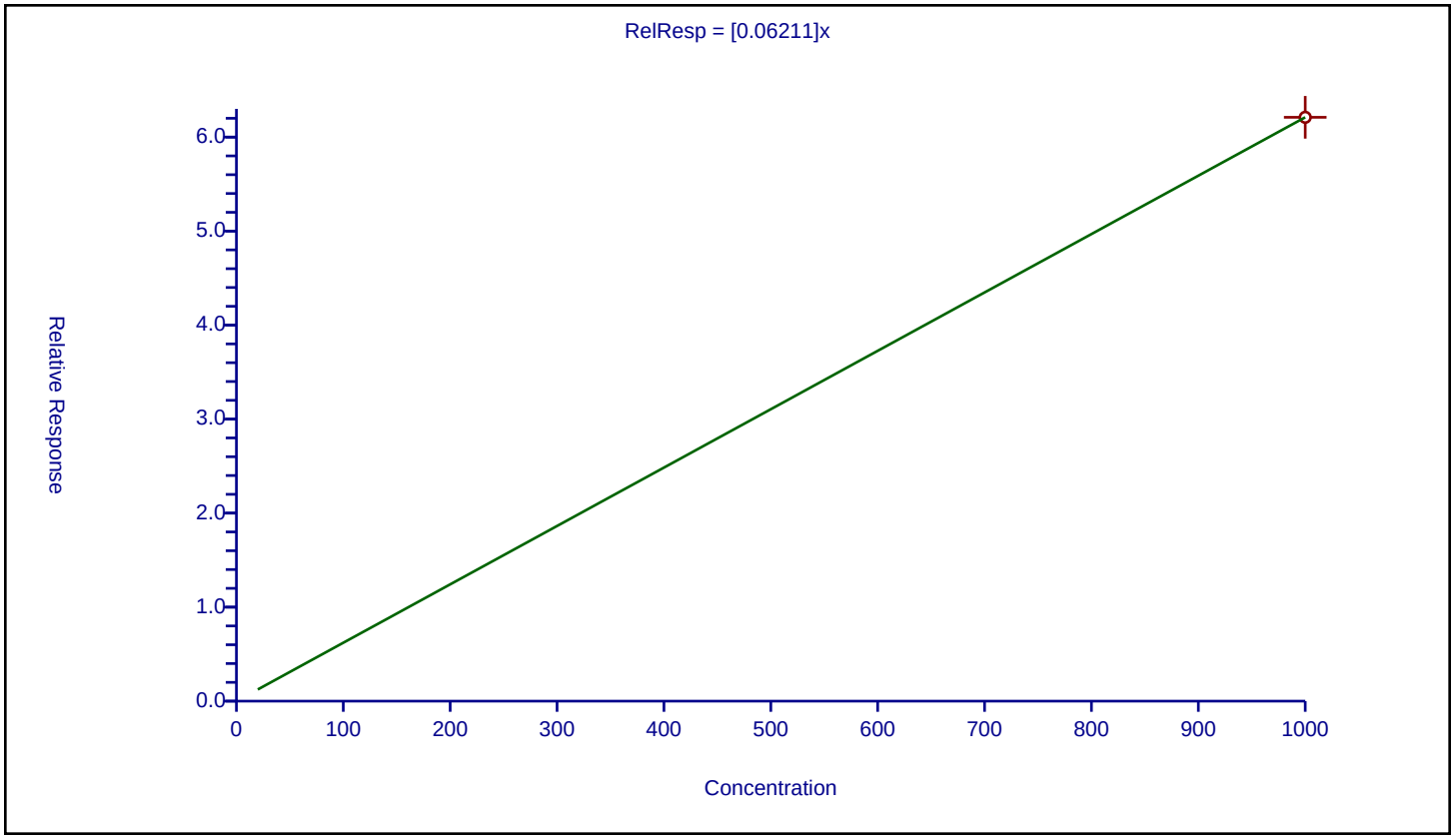
Curve Coefficients

Intercept:	0
Slope:	0.06211

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	1.00

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	62.105462	20.0	43525586.0	0.062105	Y



Calibration / PCB-1262 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

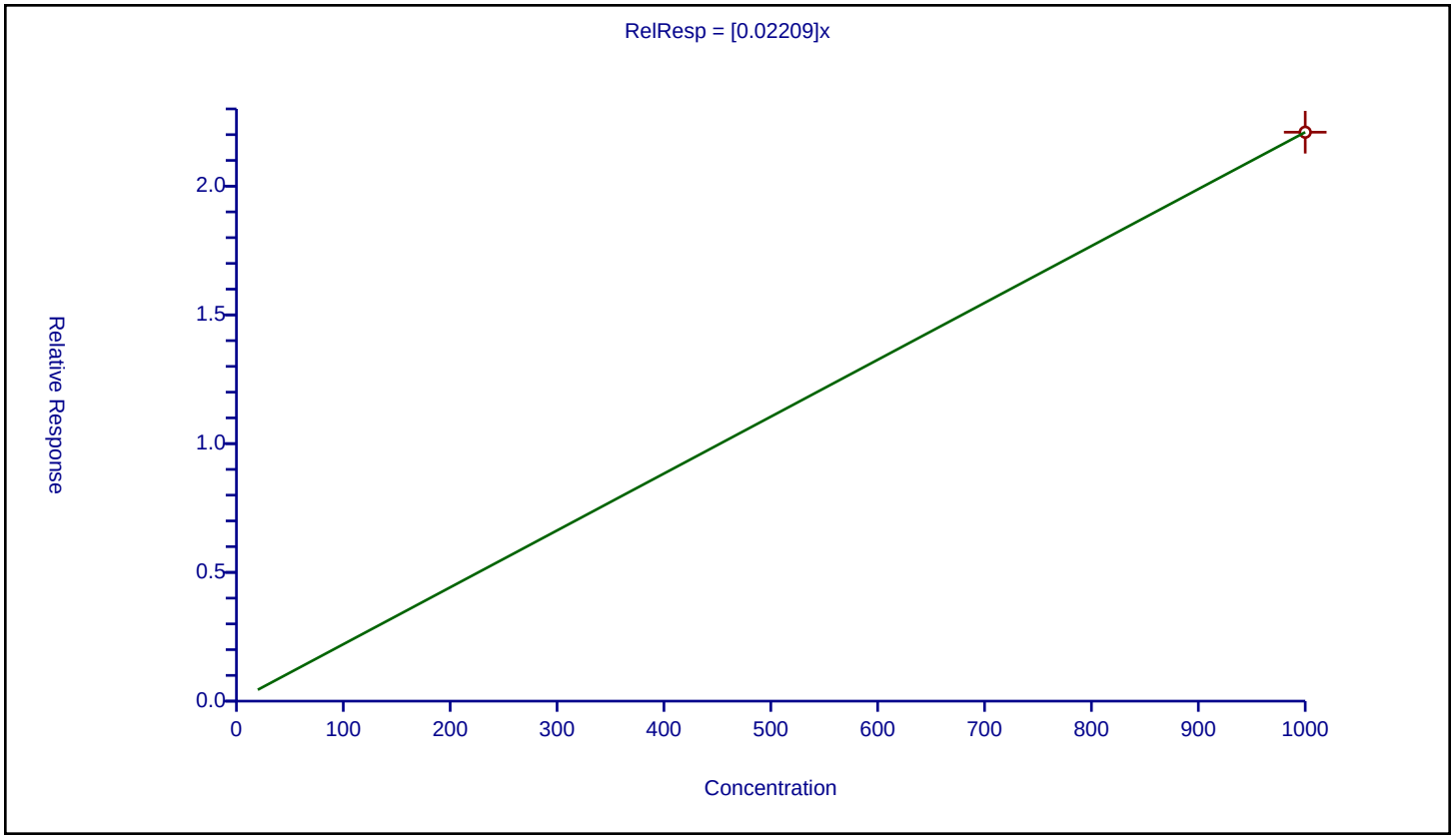
Curve Coefficients

Intercept:	0
Slope:	0.02209

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/13	1000.0	22.094636	20.0	43525586.0	0.022095	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: CLP-2 ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 Calibration End Date: 12/21/2023 14:03 Calibration ID: 95544

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0247					Ave		0.0247						20.0			
PCB-1268 Peak 2	0.0351					Ave		0.0351						20.0			
PCB-1268 Peak 3	0.1769					Ave		0.1769						20.0			
PCB-1268 Peak 4	0.1766					Ave		0.1766						20.0			
PCB-1268 Peak 5	0.1476					Ave		0.1476						20.0			
PCB-1268 Peak 6	0.0393					Ave		0.0393						20.0			
PCB-1268 Peak 7	0.0607					Ave		0.0607						20.0			
PCB-1268 Peak 8	0.4711					Ave		0.4711						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: CLP-2 | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 | Calibration End Date: 12/21/2023 14:03 | Calibration ID: 95544

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	61093551					1000				
PCB-1268 Peak 2	BNB	Ave	86989003					1000				
PCB-1268 Peak 3	BNB	Ave	437878073					1000				
PCB-1268 Peak 4	BNB	Ave	437096741					1000				
PCB-1268 Peak 5	BNB	Ave	365345679					1000				
PCB-1268 Peak 6	BNB	Ave	97203663					1000				
PCB-1268 Peak 7	BNB	Ave	150153988					1000				
PCB-1268 Peak 8	BNB	Ave	1166236049					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 14:03:31 ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:32 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:21:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49507891	20.0	20.0	
2	1.227	1.227	0.000	45332563	20.0	20.0	M
						RPD = 0.00	
10 PCB-1268							M
1	7.455	7.455	0.000	61093551	1000.0	1000.0	M
1	8.020	8.020	0.000	86989003	1000.0	1000.0	M
1	9.338	9.338	0.000	437878073	1000.0	1000.0	M
1	9.435	9.435	0.000	437096741	1000.0	1000.0	M
1	9.850	9.850	0.000	365345679	1000.0	1000.0	M
1	9.987	9.987	0.000	97203663	1000.0	1000.0	M
1	10.233	10.233	0.000	150153988	1000.0	1000.0	
1	10.592	10.592	0.000	1166236049	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.840	5.840	0.000	77603047	1000.0	1000.0	M
2	6.164	6.164	0.000	93329370	1000.0	1000.0	M
2	7.153	7.153	0.000	432950295	1000.0	1000.0	M
2	7.213	7.213	0.000	386101176	1000.0	1000.0	M
2	7.555	7.555	0.000	345020308	1000.0	1000.0	M
2	7.711	7.711	0.000	100828085	1000.0	1000.0	M
2	8.230	8.230	0.000	158349139	1000.0	1000.0	M
2	8.822	8.822	0.000	1134219122	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

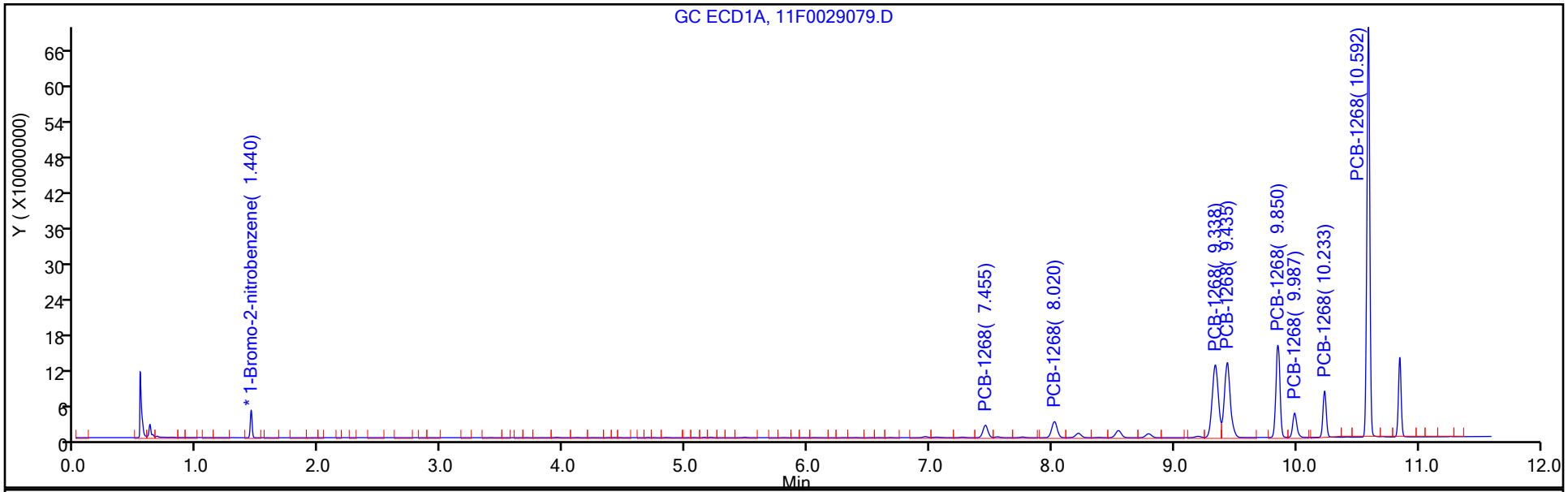
SG1268L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

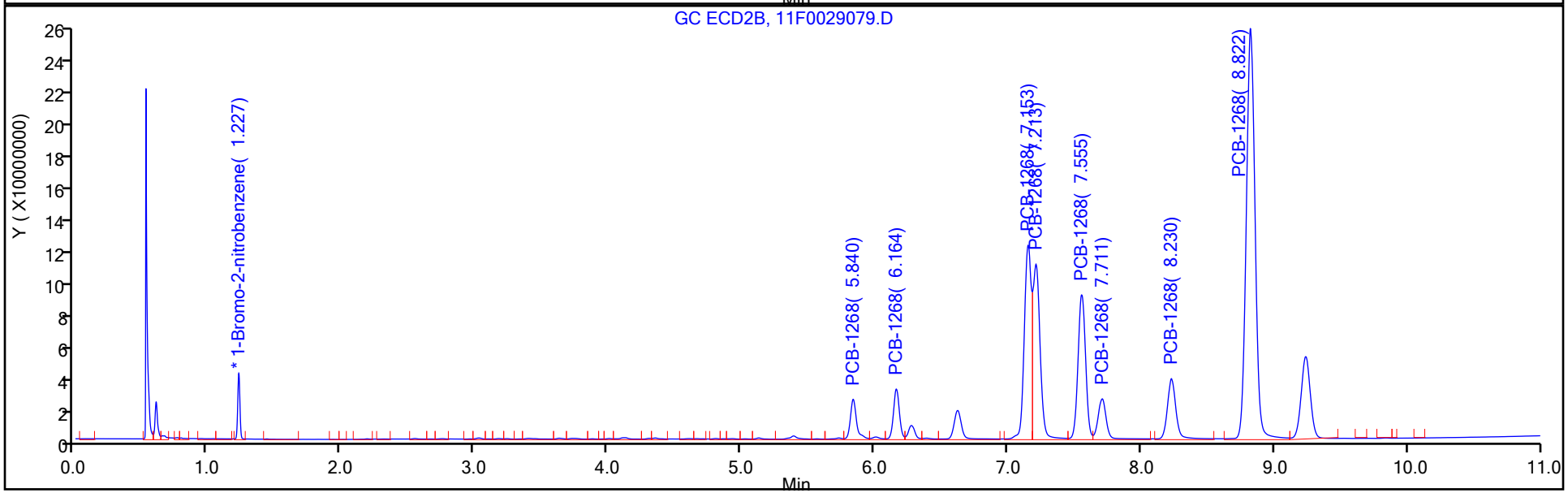
Report Date: 21-Dec-2023 14:24:32 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Injection Date:	21-Dec-2023 14:03:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





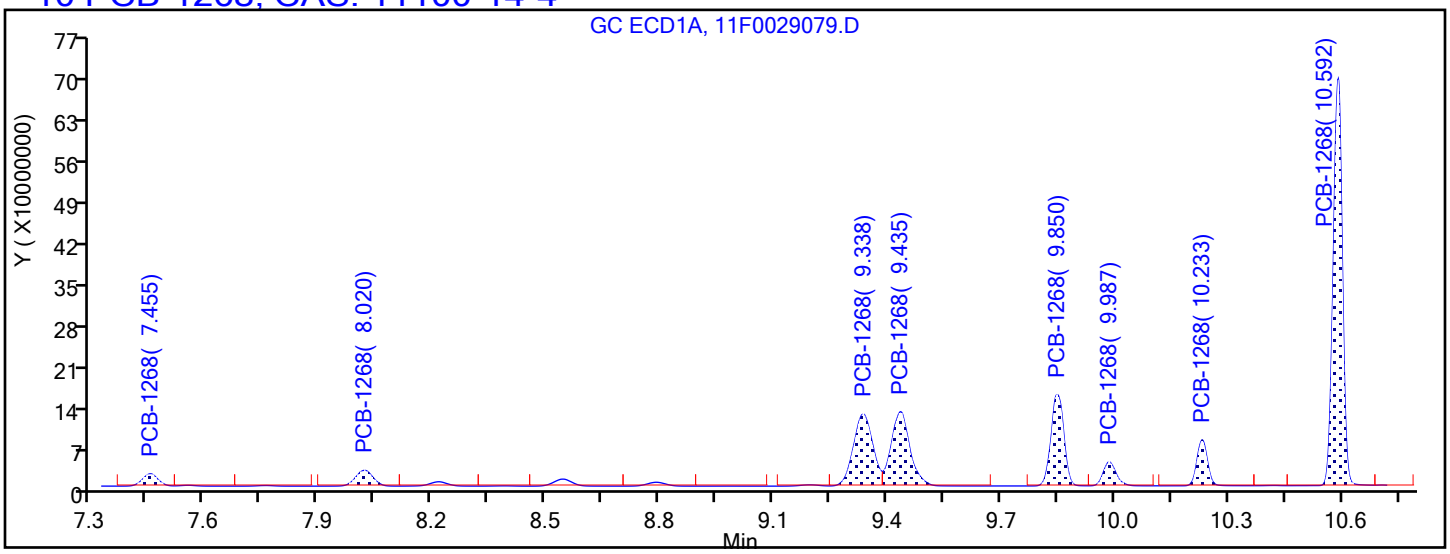
3/27/2024
11:47:49 AM

Report Date: 21-Dec-2023 14:24:33 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

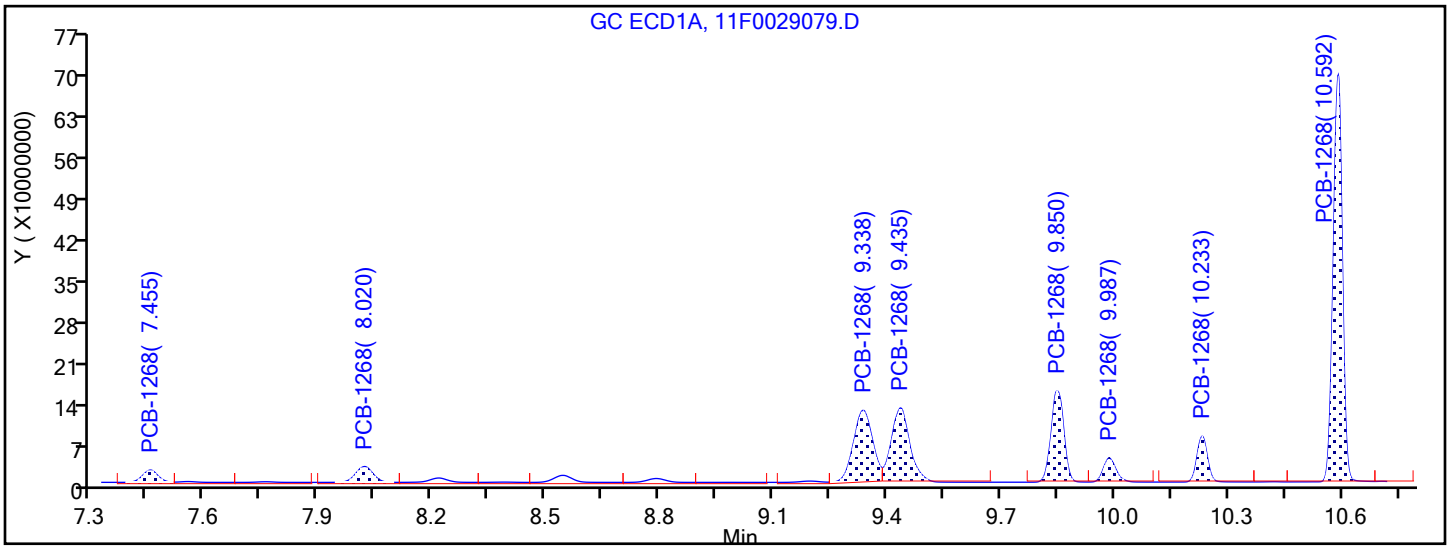
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results

7.455	Response = 60345501
8.020	Response = 86392339
9.338	Response = 435114322
9.435	Response = 434017864
9.850	Response = 364280429
9.987	Response = 96048467
10.233	Response = 150153988
10.592	Response = 1166236049



Manual Integration Results

7.455	Response = 61093551	M
8.020	Response = 86989003	M
9.338	Response = 437878073	M
9.435	Response = 437096741	M
9.850	Response = 365345679	M
9.987	Response = 97203663	M

Calibration / PCB-1268 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

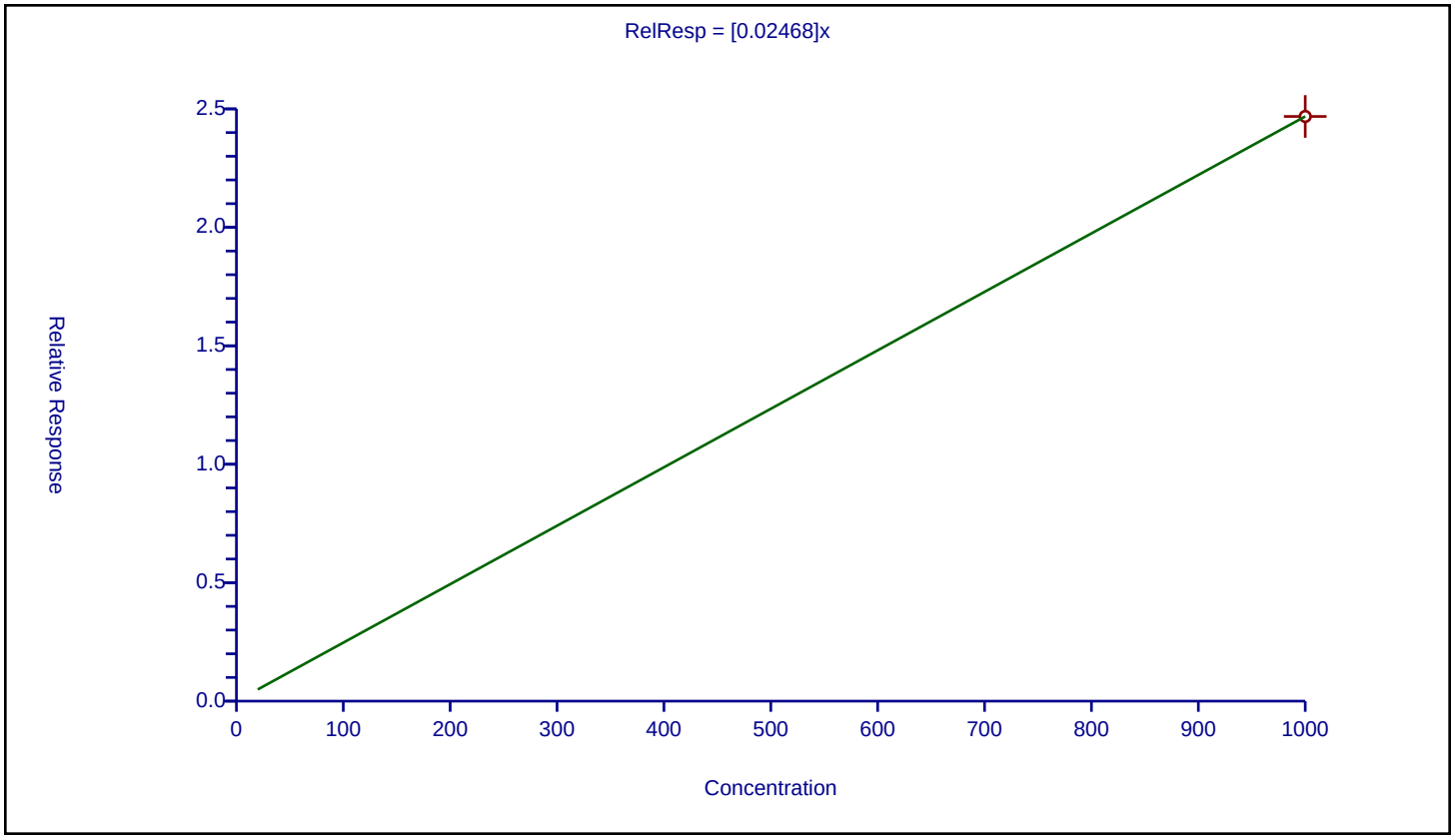
Curve Coefficients

Intercept:	0
Slope:	0.02468

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	24.680329	20.0	49507891.0	0.02468	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

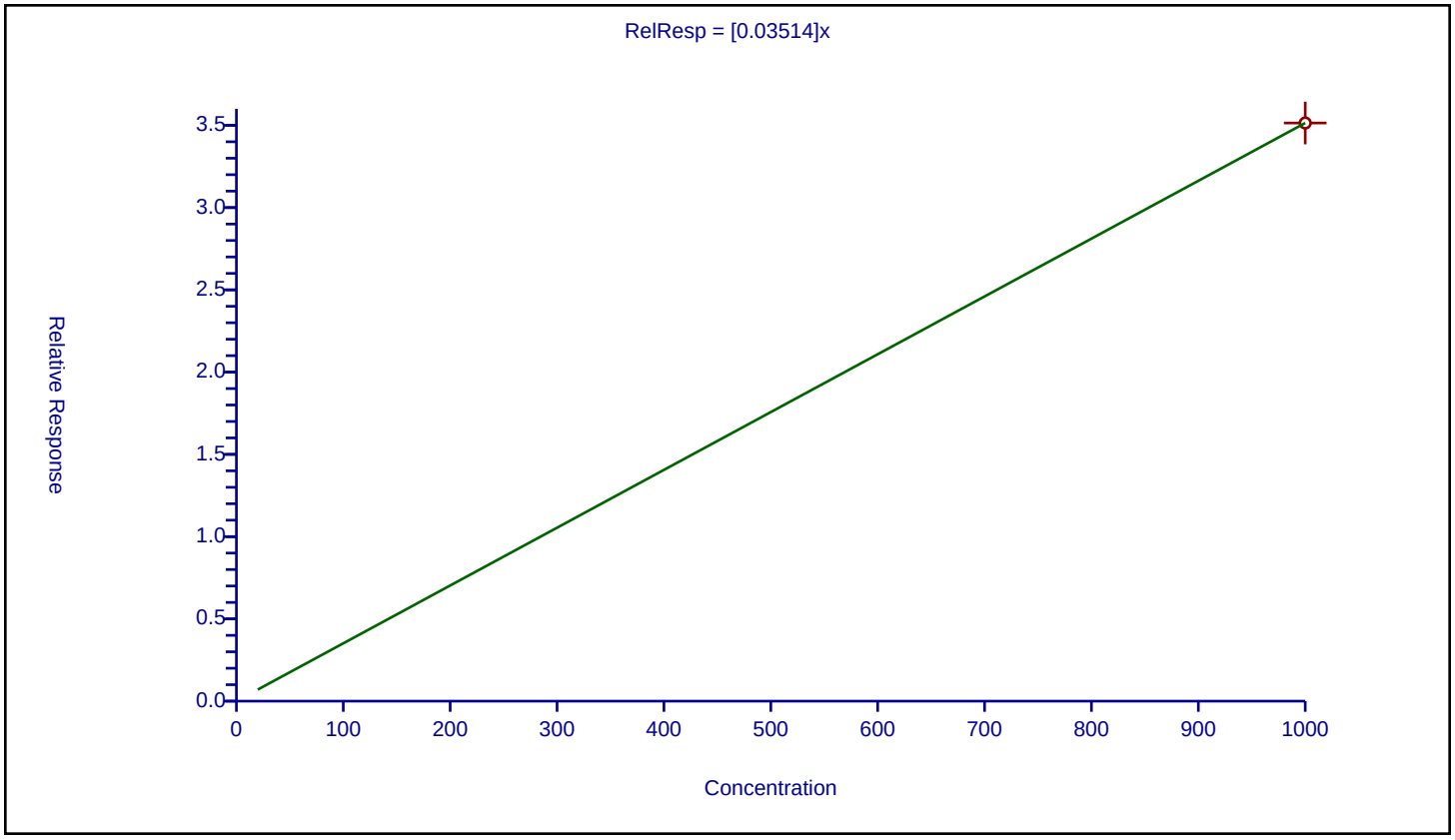
Curve Coefficients

Intercept:	0
Slope:	0.03514

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	35.14147	20.0	49507891.0	0.035141	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

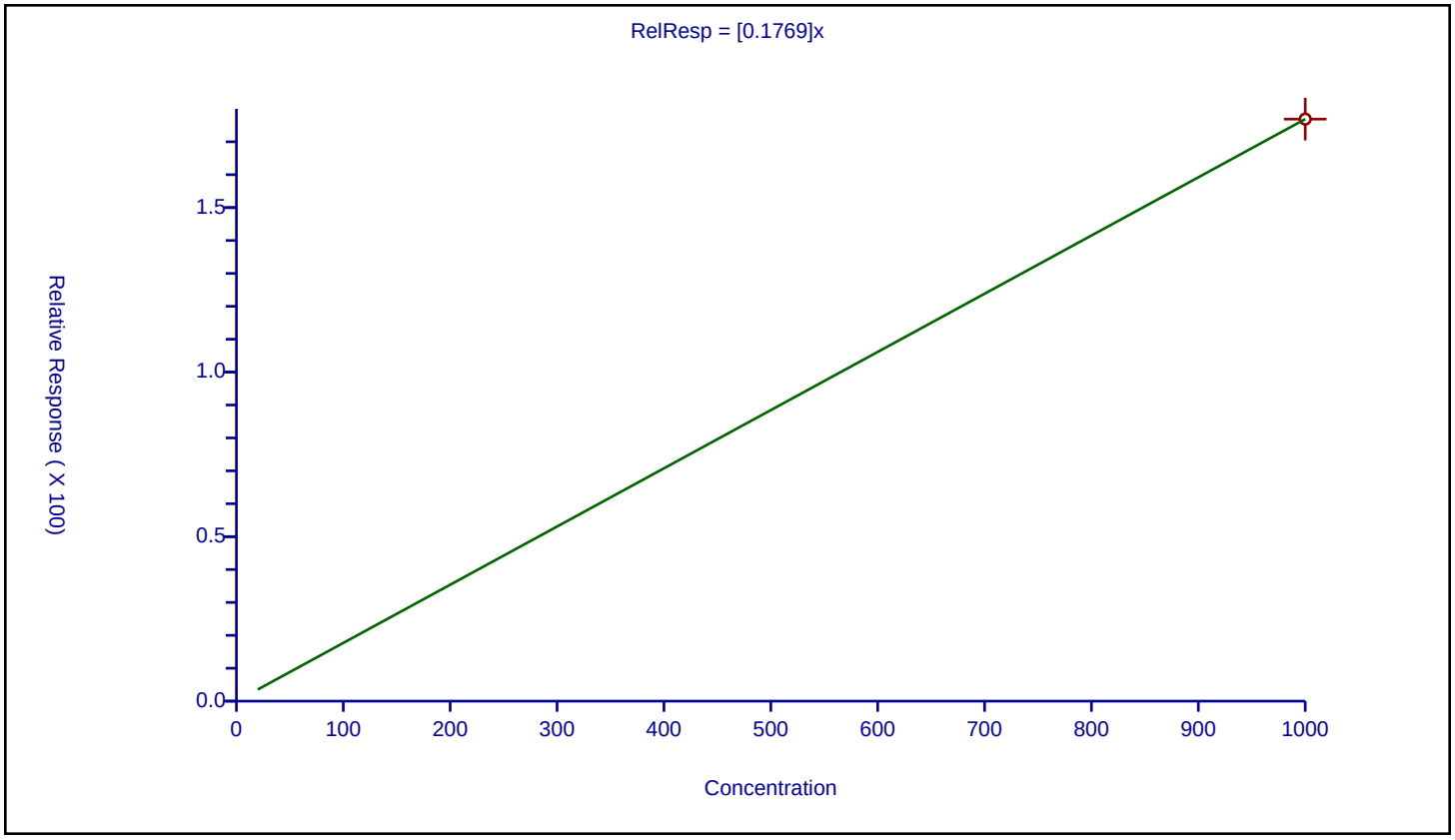
Curve Coefficients

Intercept:	0
Slope:	0.1769

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	176.892234	20.0	49507891.0	0.176892	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

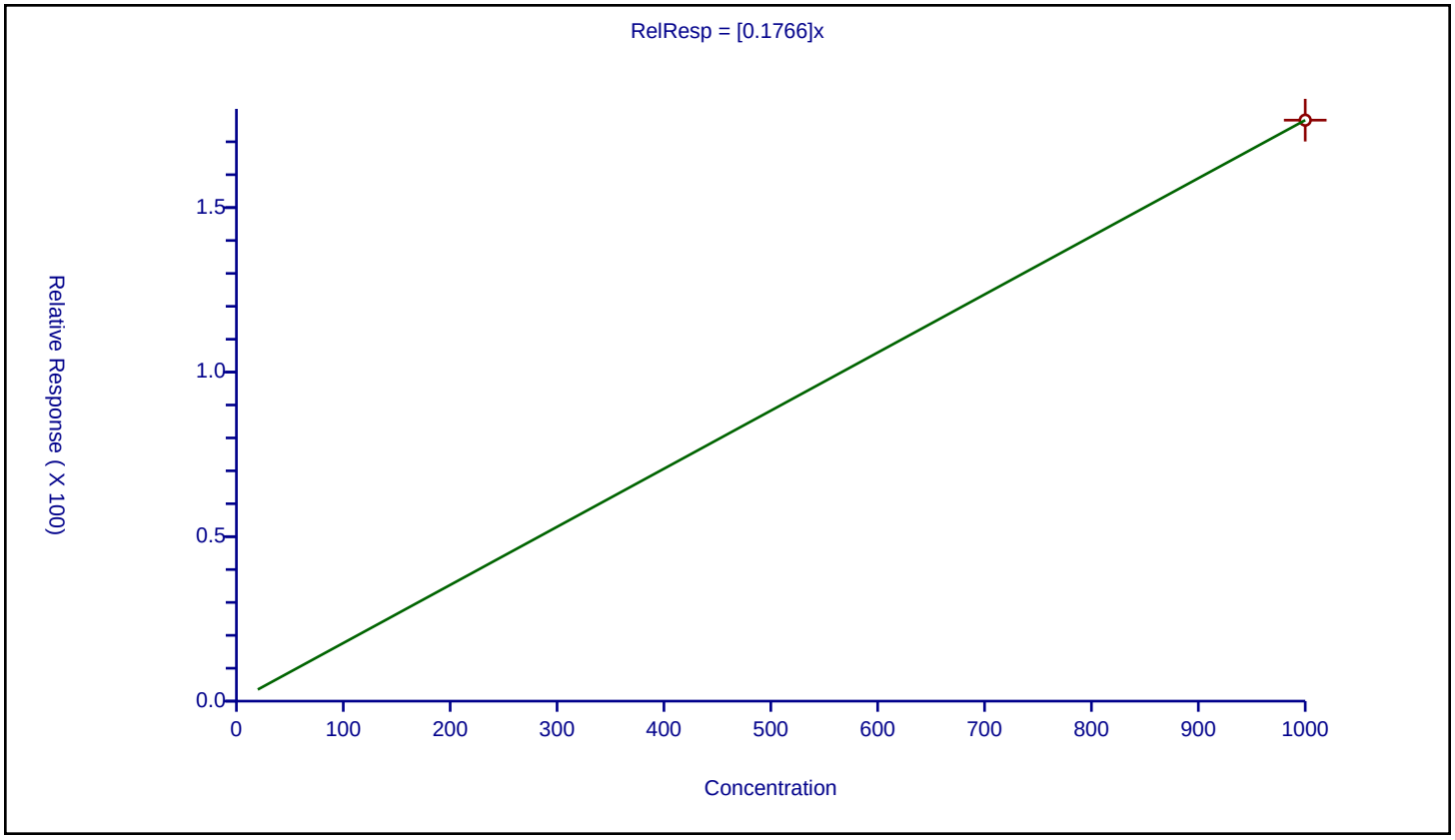
Curve Coefficients

Intercept:	0
Slope:	0.1766

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	176.576595	20.0	49507891.0	0.176577	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

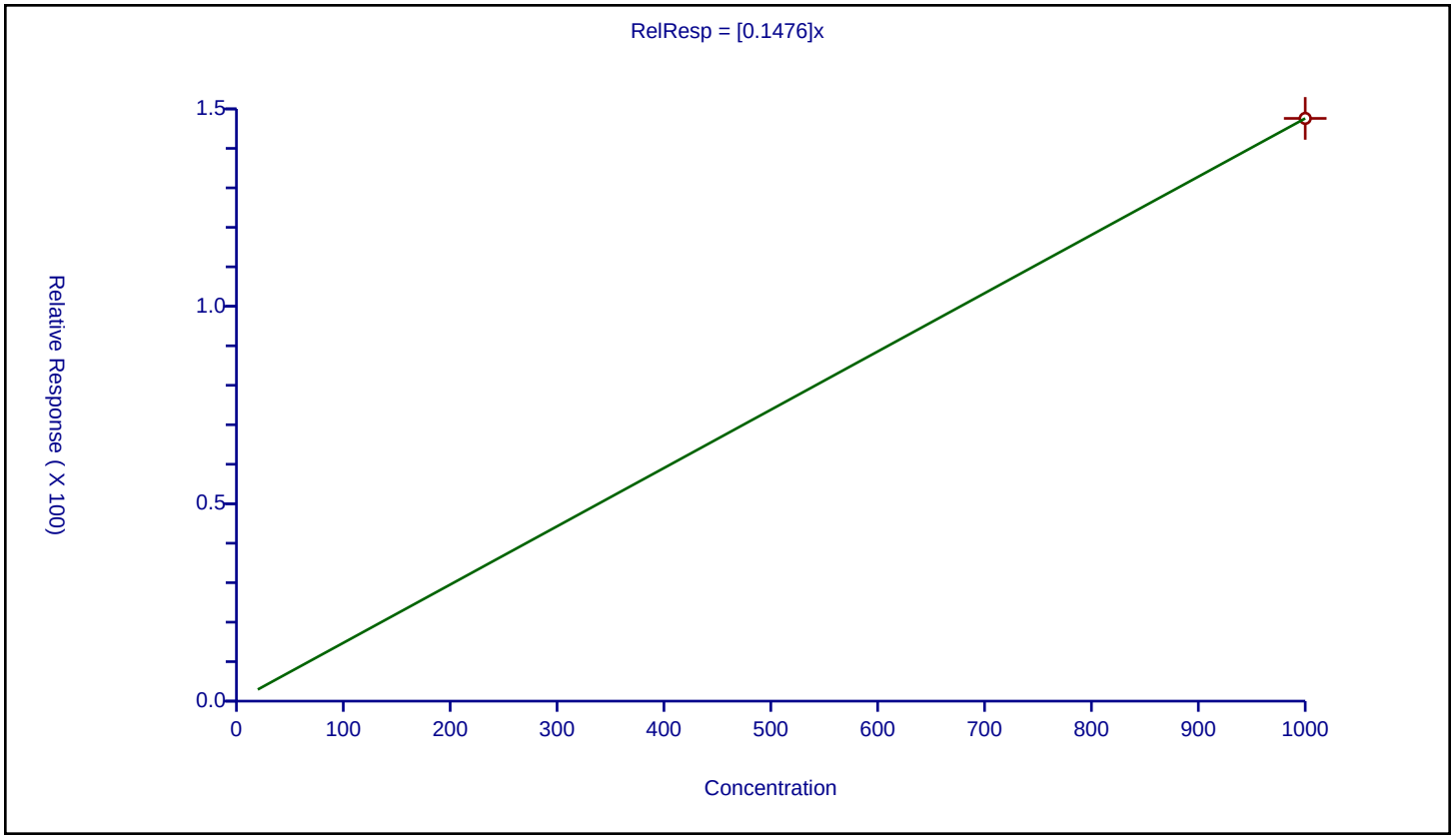
Curve Coefficients

Intercept:	0
Slope:	0.1476

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	147.590888	20.0	49507891.0	0.147591	Y



Calibration / PCB-1268 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

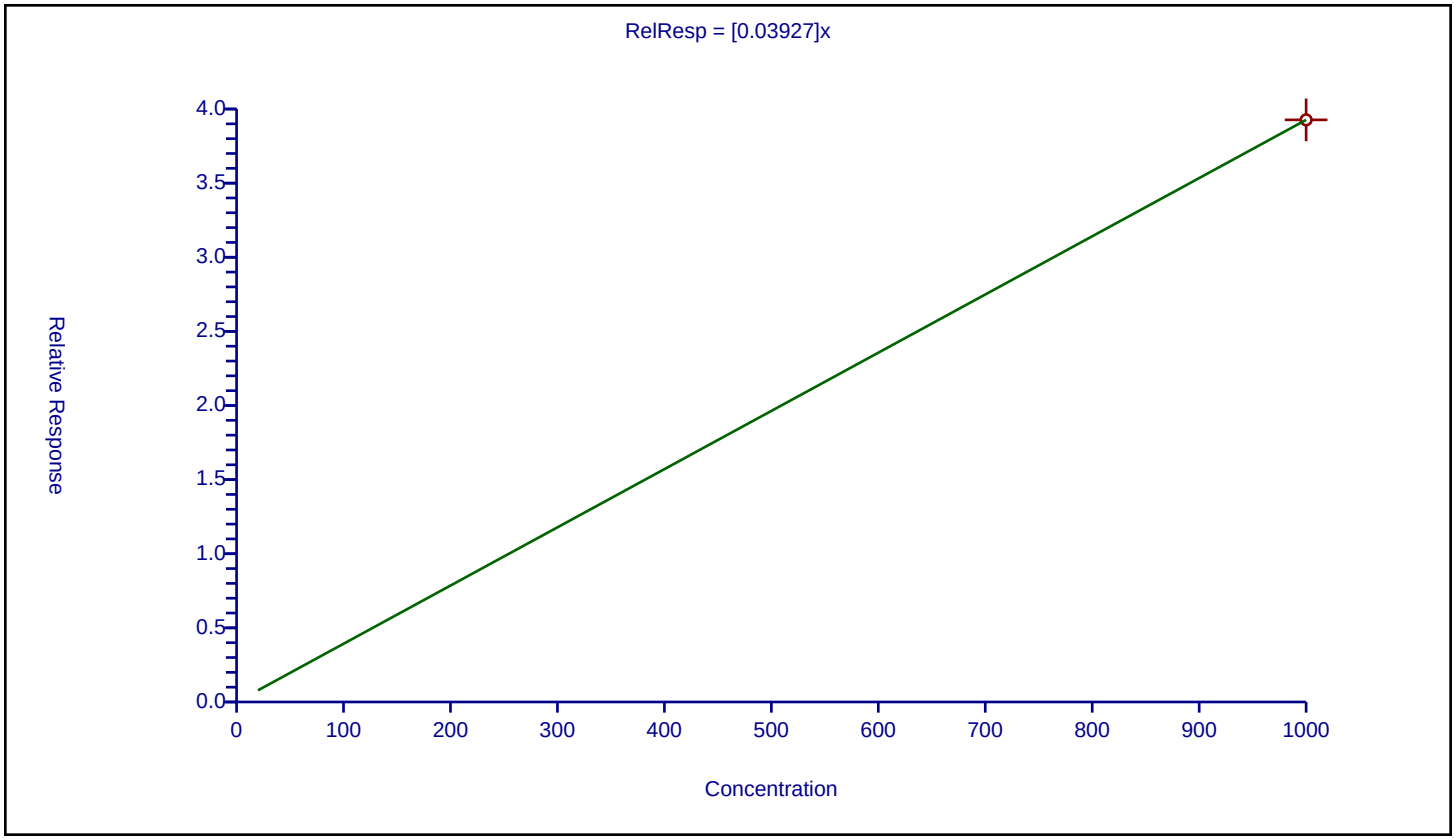
Curve Coefficients

Intercept:	0
Slope:	0.03927

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	39.267947	20.0	49507891.0	0.039268	Y



Calibration / PCB-1268 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

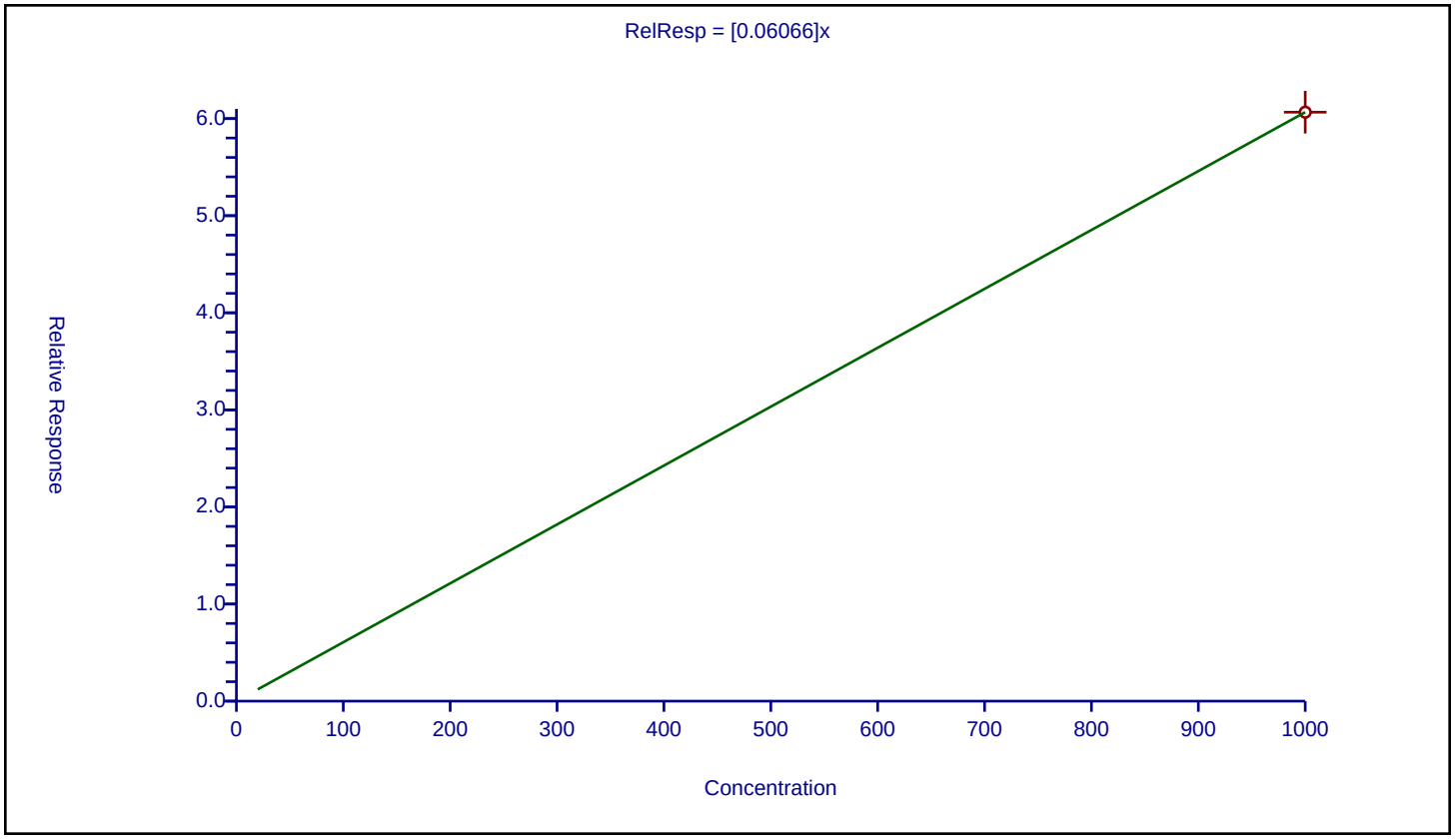
Curve Coefficients

Intercept:	0
Slope:	0.06066

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	60.658608	20.0	49507891.0	0.060659	Y



Calibration / PCB-1268 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

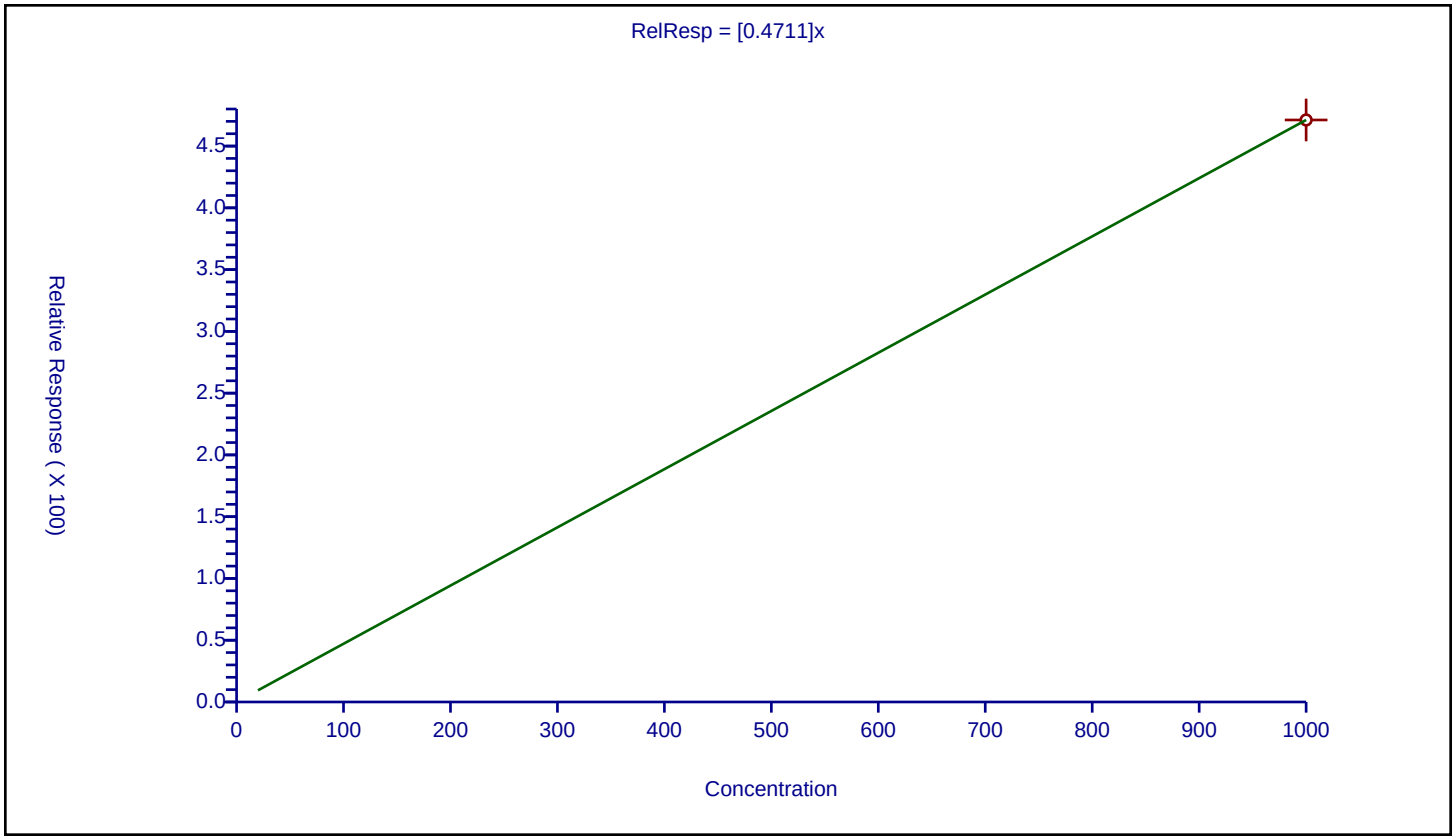
Curve Coefficients

Intercept:	0
Slope:	0.4711

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	471.131379	20.0	49507891.0	0.471131	Y



FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-300430-1 Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 GC Column: Rtx-CLP ID: 0.53(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 Calibration End Date: 12/21/2023 14:03 Calibration ID: 95545

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1						B	M1	M2								
PCB-1268 Peak 1	0.0342					Ave		0.0342						20.0			
PCB-1268 Peak 2	0.0412					Ave		0.0412						20.0			
PCB-1268 Peak 3	0.1910					Ave		0.1910						20.0			
PCB-1268 Peak 4	0.1703					Ave		0.1703						20.0			
PCB-1268 Peak 5	0.1522					Ave		0.1522						20.0			
PCB-1268 Peak 6	0.0445					Ave		0.0445						20.0			
PCB-1268 Peak 7	0.0699					Ave		0.0699						20.0			
PCB-1268 Peak 8	0.5004					Ave		0.5004						20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

FORM VI
PCBS BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-300430-1 | Analy Batch No.: 951474

SDG No.:

Instrument ID: CPESTGC11 | GC Column: Rtx-CLP | ID: 0.53(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 12/21/2023 14:03 | Calibration End Date: 12/21/2023 14:03 | Calibration ID: 95545

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 460-951474/14	11F0029079.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1					LVL 1				
PCB-1268 Peak 1	BNB	Ave	77603047					1000				
PCB-1268 Peak 2	BNB	Ave	93329370					1000				
PCB-1268 Peak 3	BNB	Ave	432950295					1000				
PCB-1268 Peak 4	BNB	Ave	386101176					1000				
PCB-1268 Peak 5	BNB	Ave	345020308					1000				
PCB-1268 Peak 6	BNB	Ave	100828085					1000				
PCB-1268 Peak 7	BNB	Ave	158349139					1000				
PCB-1268 Peak 8	BNB	Ave	1134219122					1000				

Curve Type Legend:
Ave = Average ISTD

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Lims ID: IC 1268
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 21-Dec-2023 14:03:31 ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-014
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub9

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:24:32 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 14:21:56

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49507891	20.0	20.0	
2	1.227	1.227	0.000	45332563	20.0	20.0	M
						RPD = 0.00	
10 PCB-1268							M
1	7.455	7.455	0.000	61093551	1000.0	1000.0	M
1	8.020	8.020	0.000	86989003	1000.0	1000.0	M
1	9.338	9.338	0.000	437878073	1000.0	1000.0	M
1	9.435	9.435	0.000	437096741	1000.0	1000.0	M
1	9.850	9.850	0.000	365345679	1000.0	1000.0	M
1	9.987	9.987	0.000	97203663	1000.0	1000.0	M
1	10.233	10.233	0.000	150153988	1000.0	1000.0	
1	10.592	10.592	0.000	1166236049	1000.0	1000.0	
		Average of Peak Amounts =				1000.0	
2	5.840	5.840	0.000	77603047	1000.0	1000.0	M
2	6.164	6.164	0.000	93329370	1000.0	1000.0	M
2	7.153	7.153	0.000	432950295	1000.0	1000.0	M
2	7.213	7.213	0.000	386101176	1000.0	1000.0	M
2	7.555	7.555	0.000	345020308	1000.0	1000.0	M
2	7.711	7.711	0.000	100828085	1000.0	1000.0	M
2	8.230	8.230	0.000	158349139	1000.0	1000.0	M
2	8.822	8.822	0.000	1134219122	1000.0	1000.0	M
		Average of Peak Amounts =				1000.0	
						RPD = 0.00	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

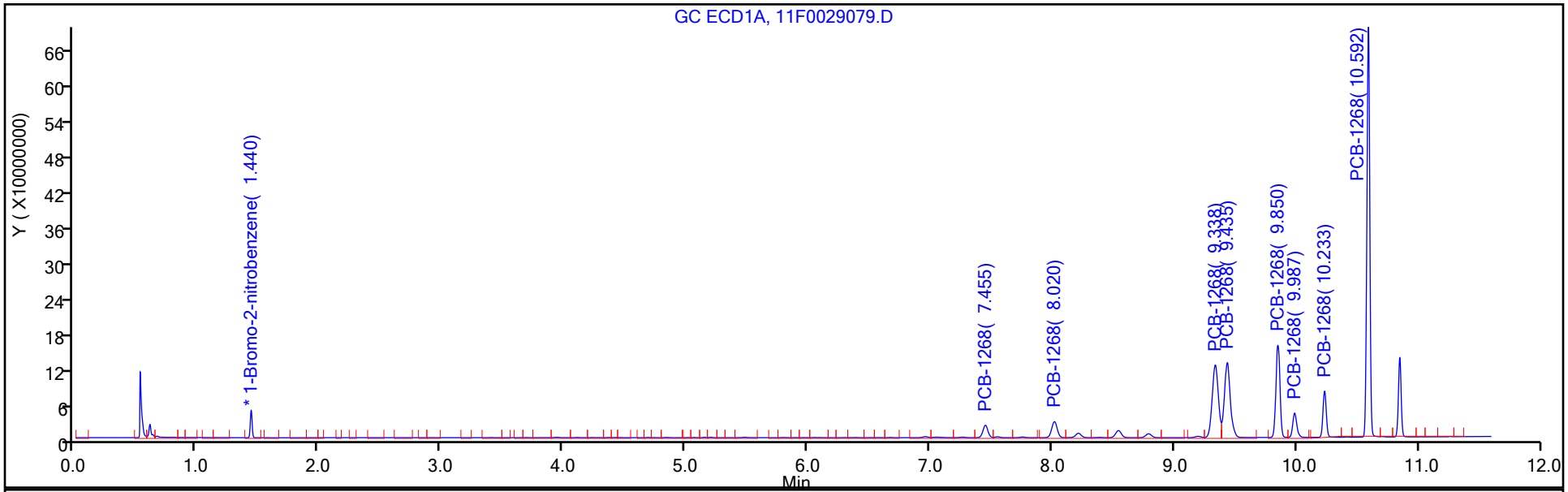
SG1268L4_00035	Amount Added:	1.00	Units: mL	
SGPCBISTD_00029	Amount Added:	20.00	Units: uL	Run Reagent

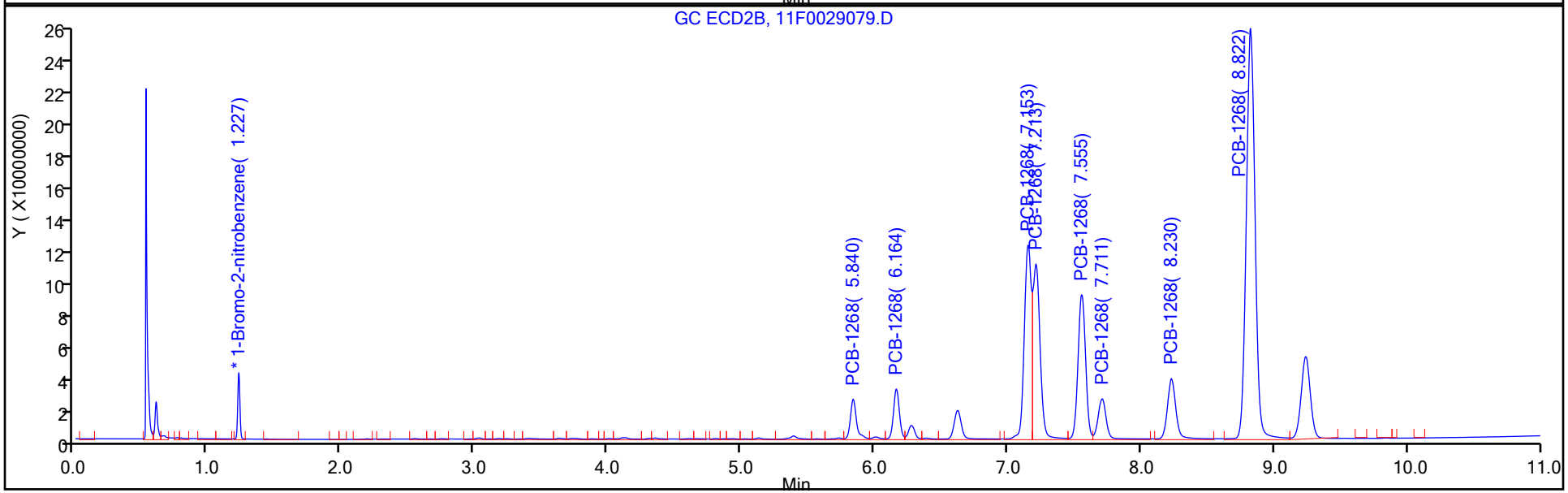
Report Date: 21-Dec-2023 14:24:33 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Injection Date:	21-Dec-2023 14:03:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	IC 1268			Worklist Smp#:	14
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

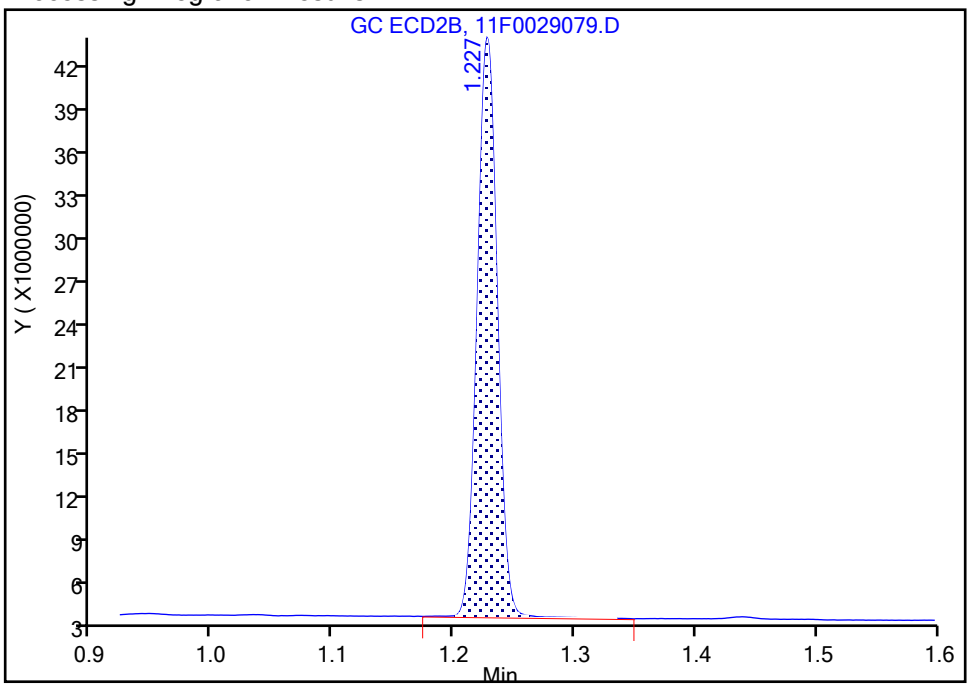
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

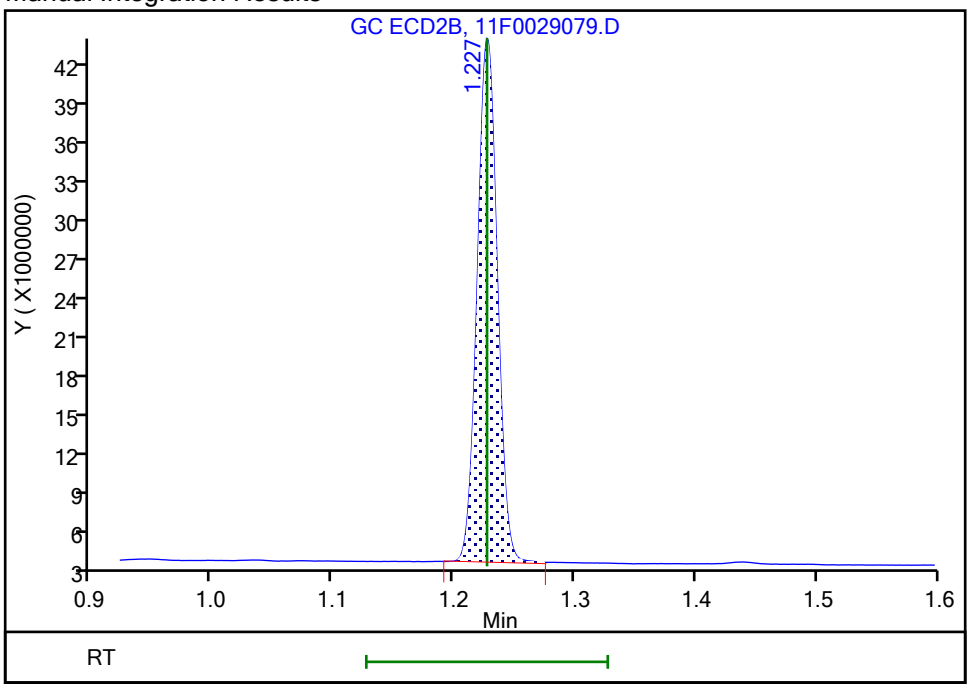
Processing Integration Results

RT: 1.23
Area: 45858996
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 45332563
Amount: 20.000000
Amount Units: ug/l



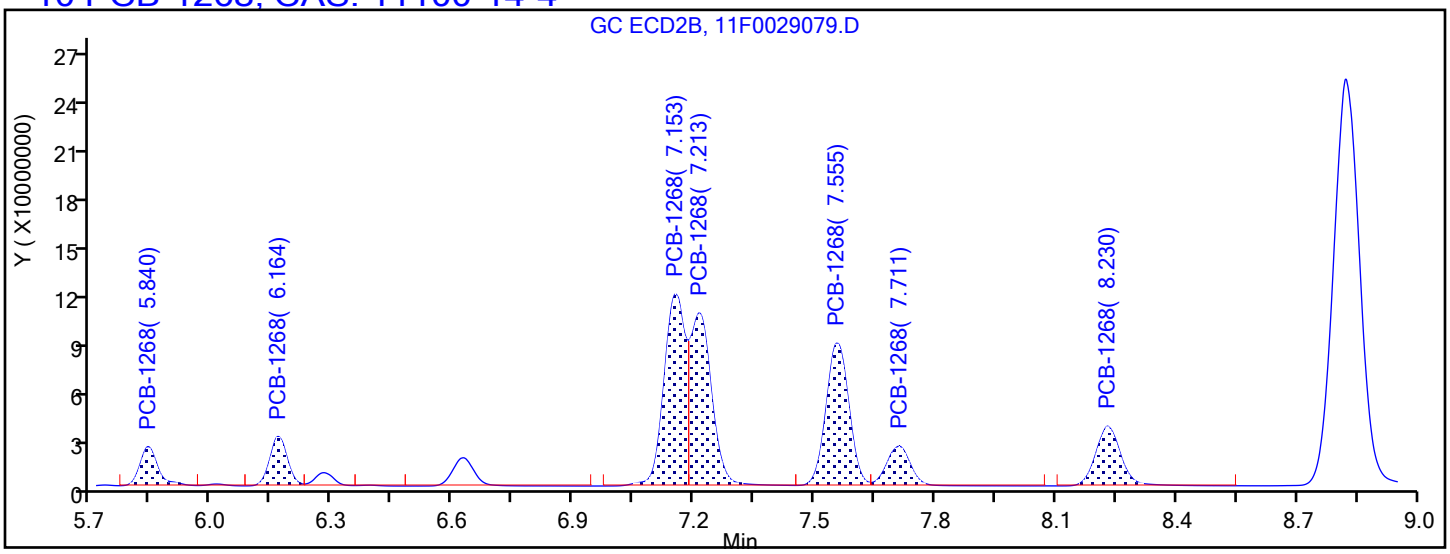
Reviewer: OR9X, 21-Dec-2023 14:21:51 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:24:34 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

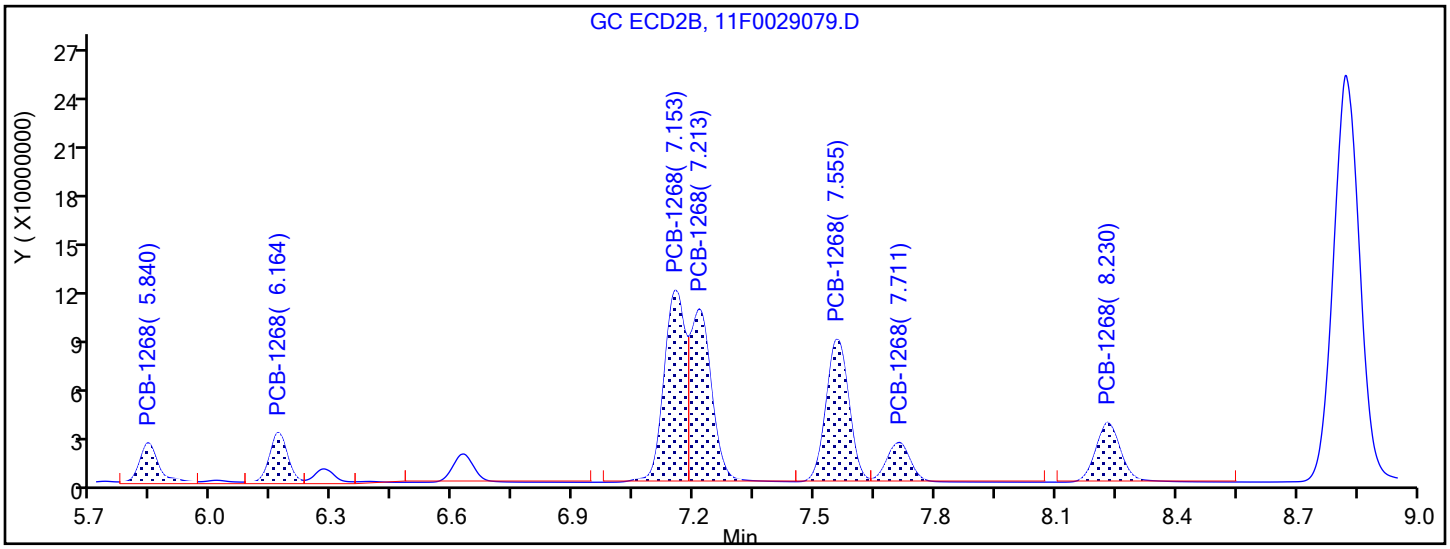
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D
Injection Date: 21-Dec-2023 14:03:31 Instrument ID: CPESTGC11
Lims ID: IC 1268
Client ID:
Operator ID: ALS Bottle#: 30 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

10 PCB-1268, CAS: 11100-14-4



Processing Integration Results

5.840	Response = 76942491
6.164	Response = 92938245
7.153	Response = 432366428
7.213	Response = 384901464
7.555	Response = 344201096
7.711	Response = 99800867
8.230	Response = 157893038
8.822	Response = 1133155416



Manual Integration Results

5.840	Response = 77603047	M
6.164	Response = 93329370	M
7.153	Response = 432950295	M
7.213	Response = 386101176	M
7.555	Response = 345020308	M
7.711	Response = 100828085	M

Calibration / PCB-1268 Peak 1

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

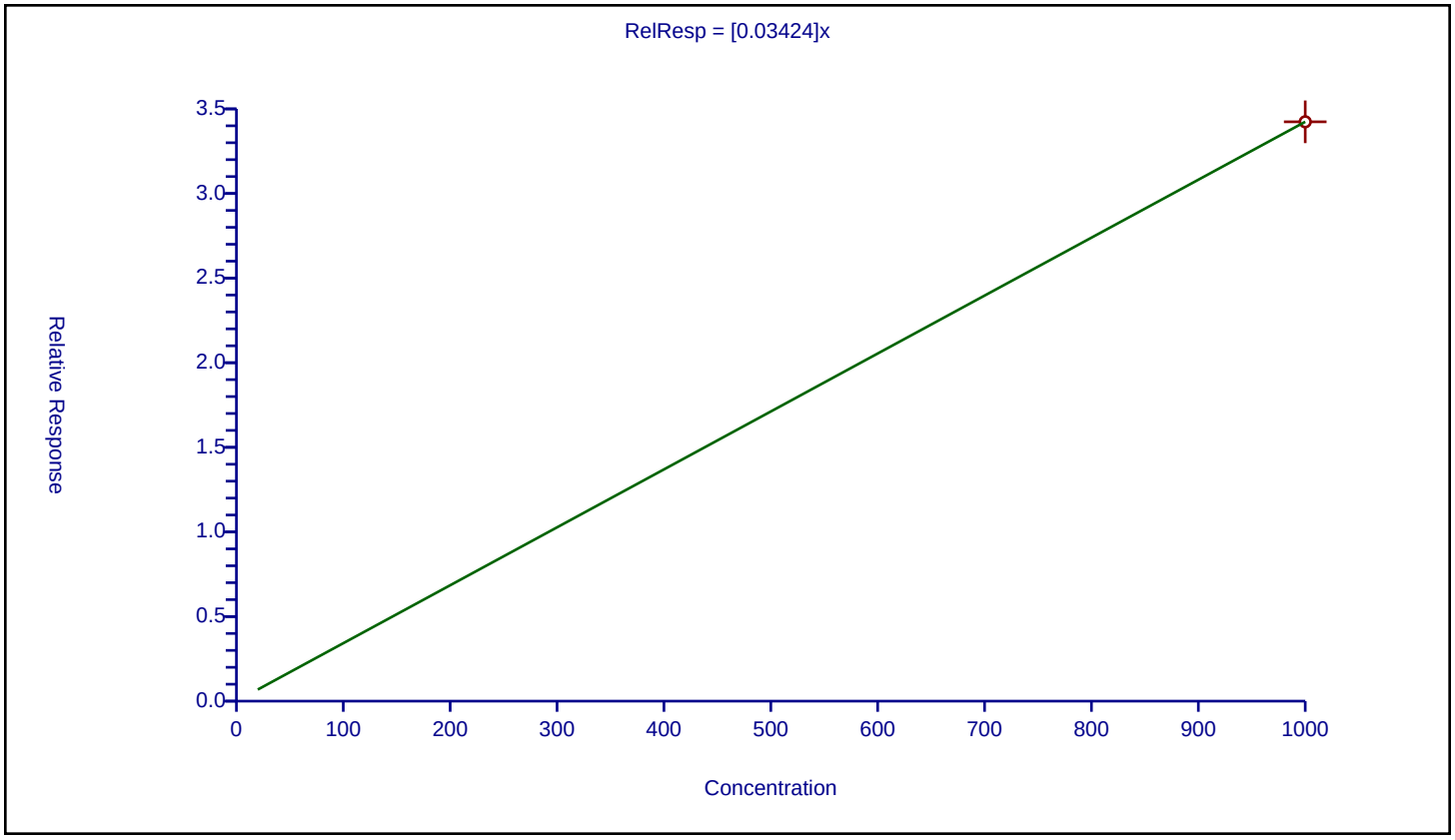
Curve Coefficients

Intercept:	0
Slope:	0.03424

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	34.23722	20.0	45332563.0	0.034237	Y



Calibration / PCB-1268 Peak 2

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

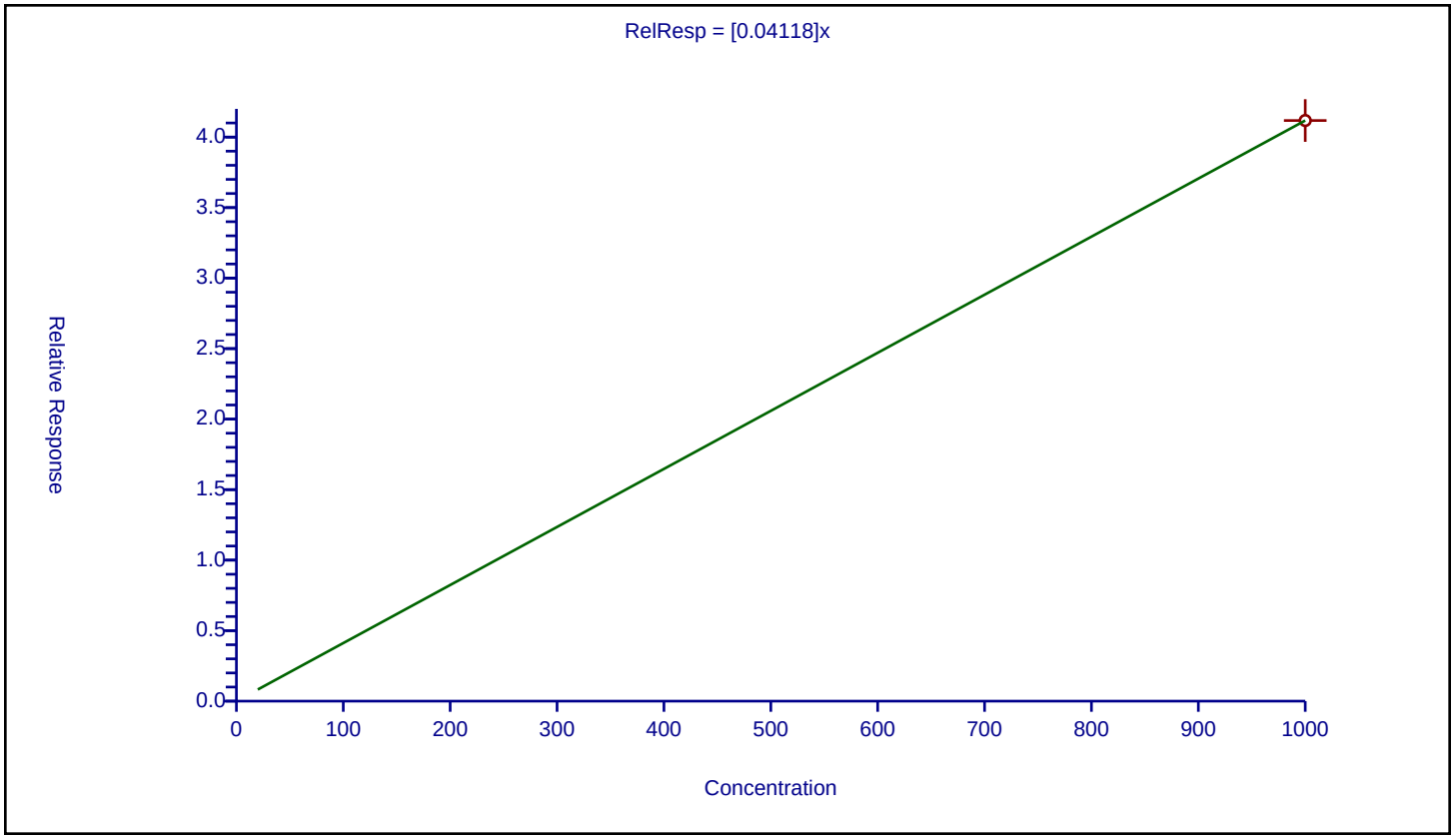
Curve Coefficients

Intercept:	0
Slope:	0.04118

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	41.175422	20.0	45332563.0	0.041175	Y



Calibration / PCB-1268 Peak 3

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

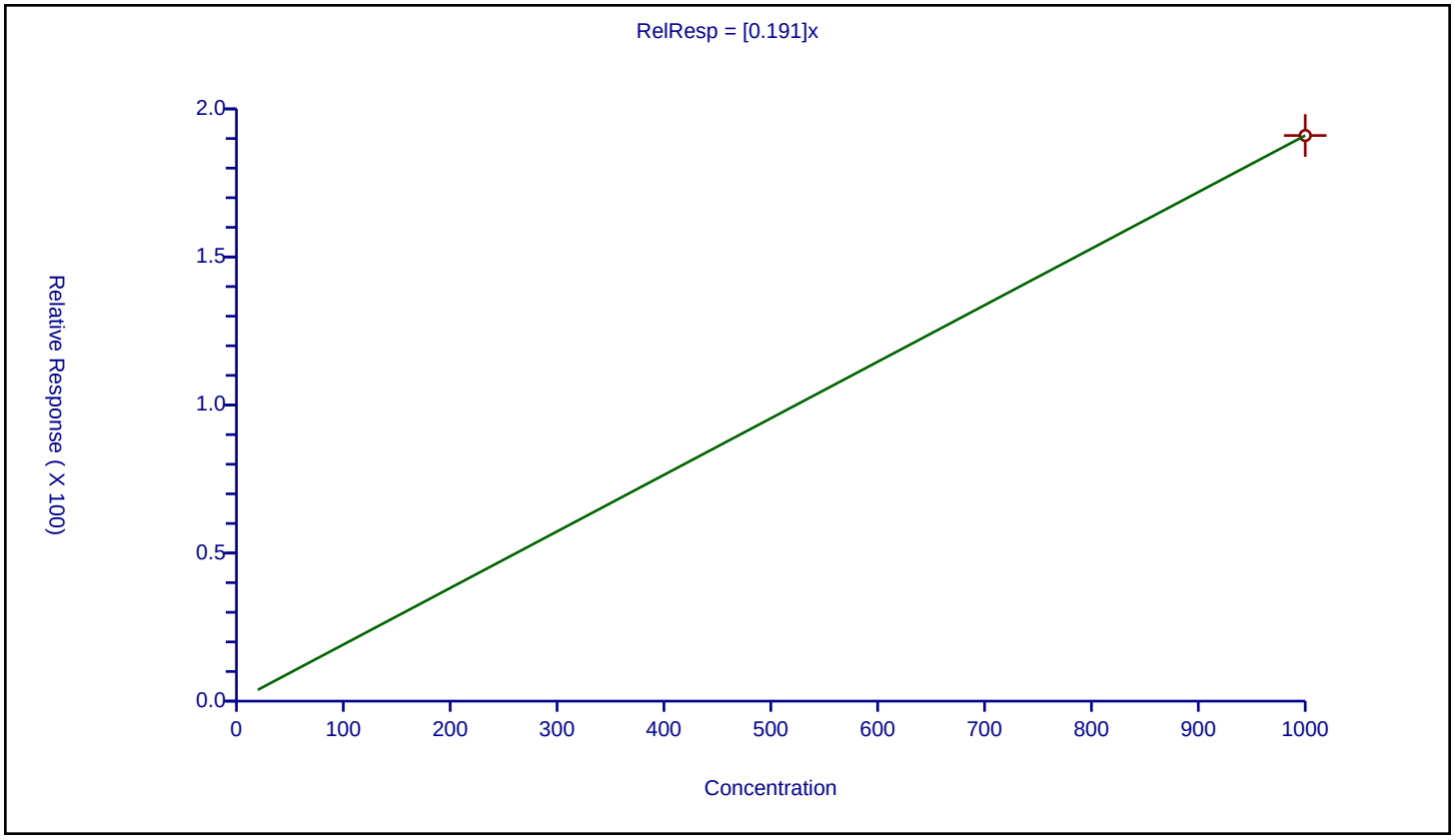
Curve Coefficients

Intercept:	0
Slope:	0.191

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	191.010729	20.0	45332563.0	0.191011	Y



Calibration / PCB-1268 Peak 4

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

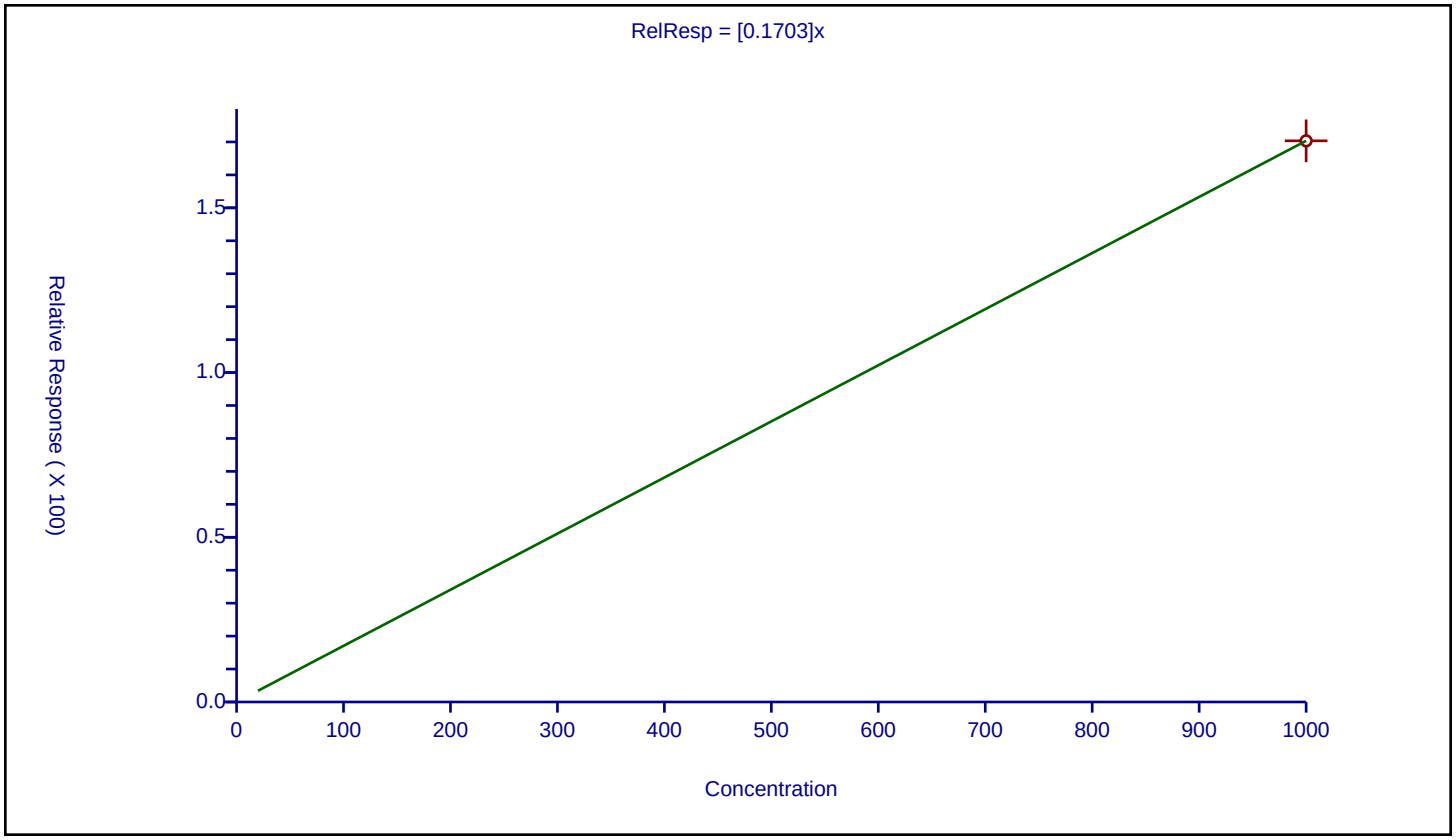
Curve Coefficients

Intercept:	0
Slope:	0.1703

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	170.341649	20.0	45332563.0	0.170342	Y



Calibration / PCB-1268 Peak 5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

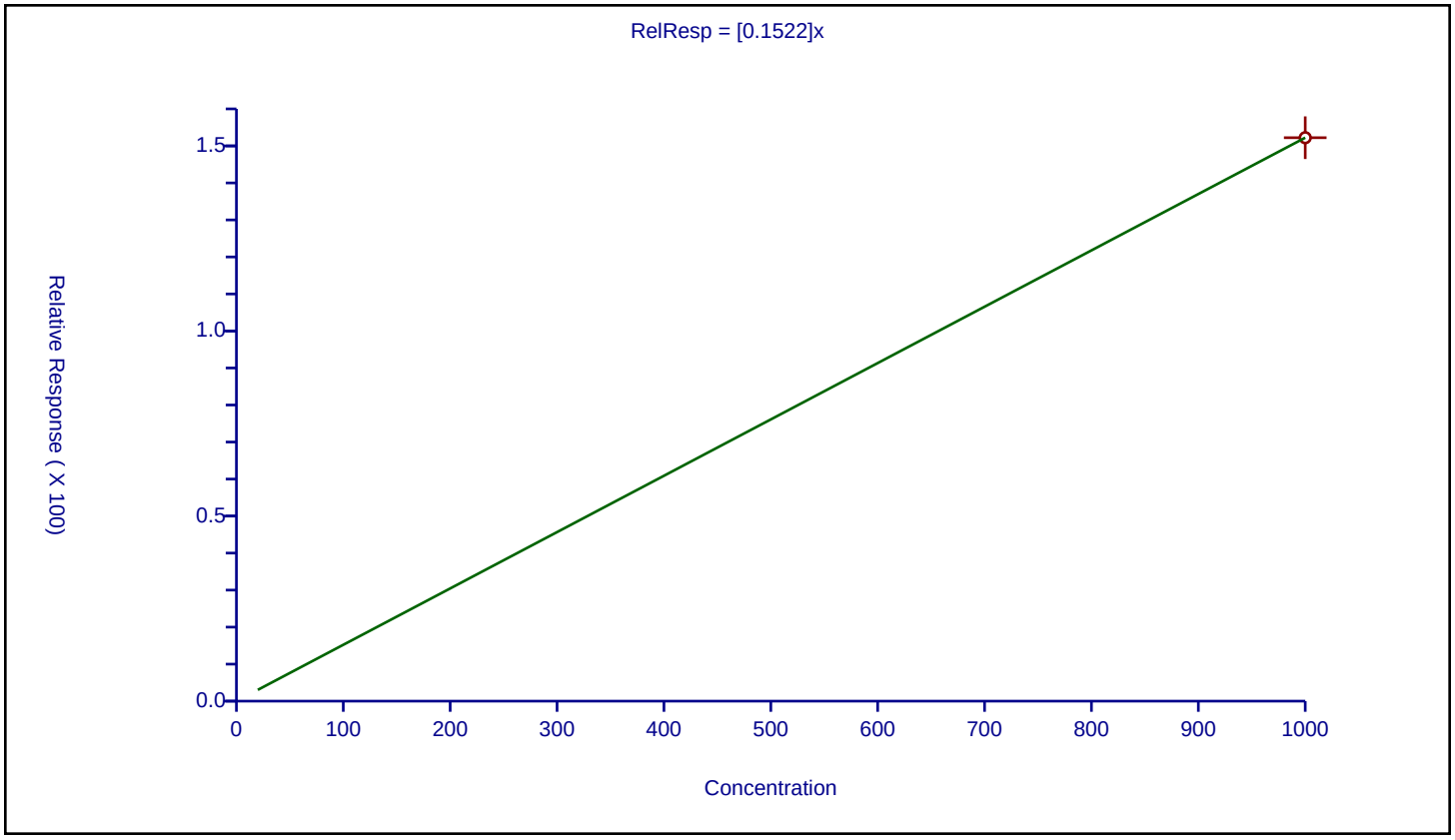
Curve Coefficients

Intercept:	0
Slope:	0.1522

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	152.217428	20.0	45332563.0	0.152217	Y



Calibration / PCB-1268 Peak 6

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

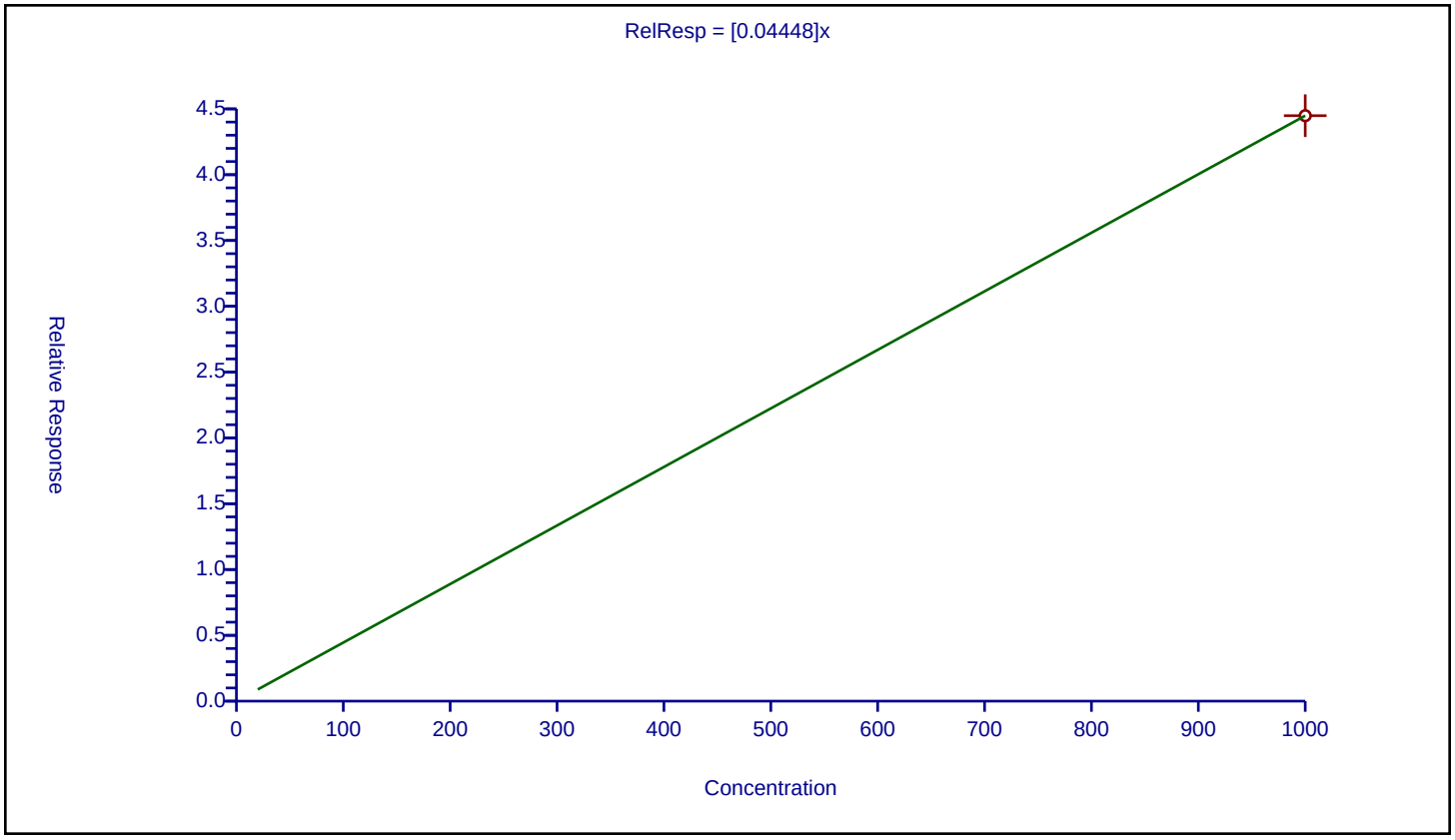
Curve Coefficients

Intercept:	0
Slope:	0.04448

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	44.483735	20.0	45332563.0	0.044484	Y



Calibration / PCB-1268 Peak 7

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

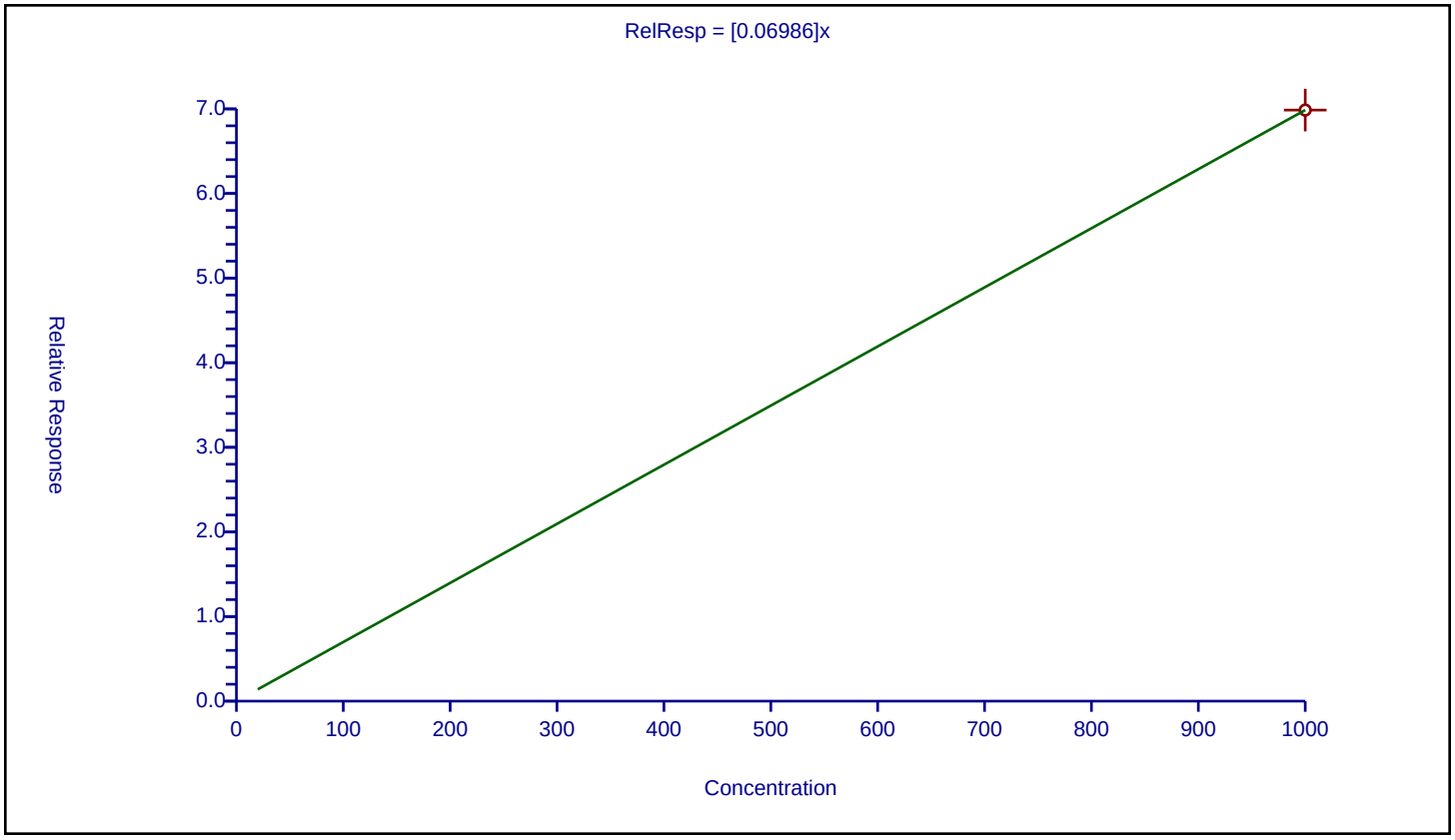
Curve Coefficients

Intercept:	0
Slope:	0.06986

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	69.861101	20.0	45332563.0	0.069861	Y



Calibration / PCB-1268 Peak 8

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

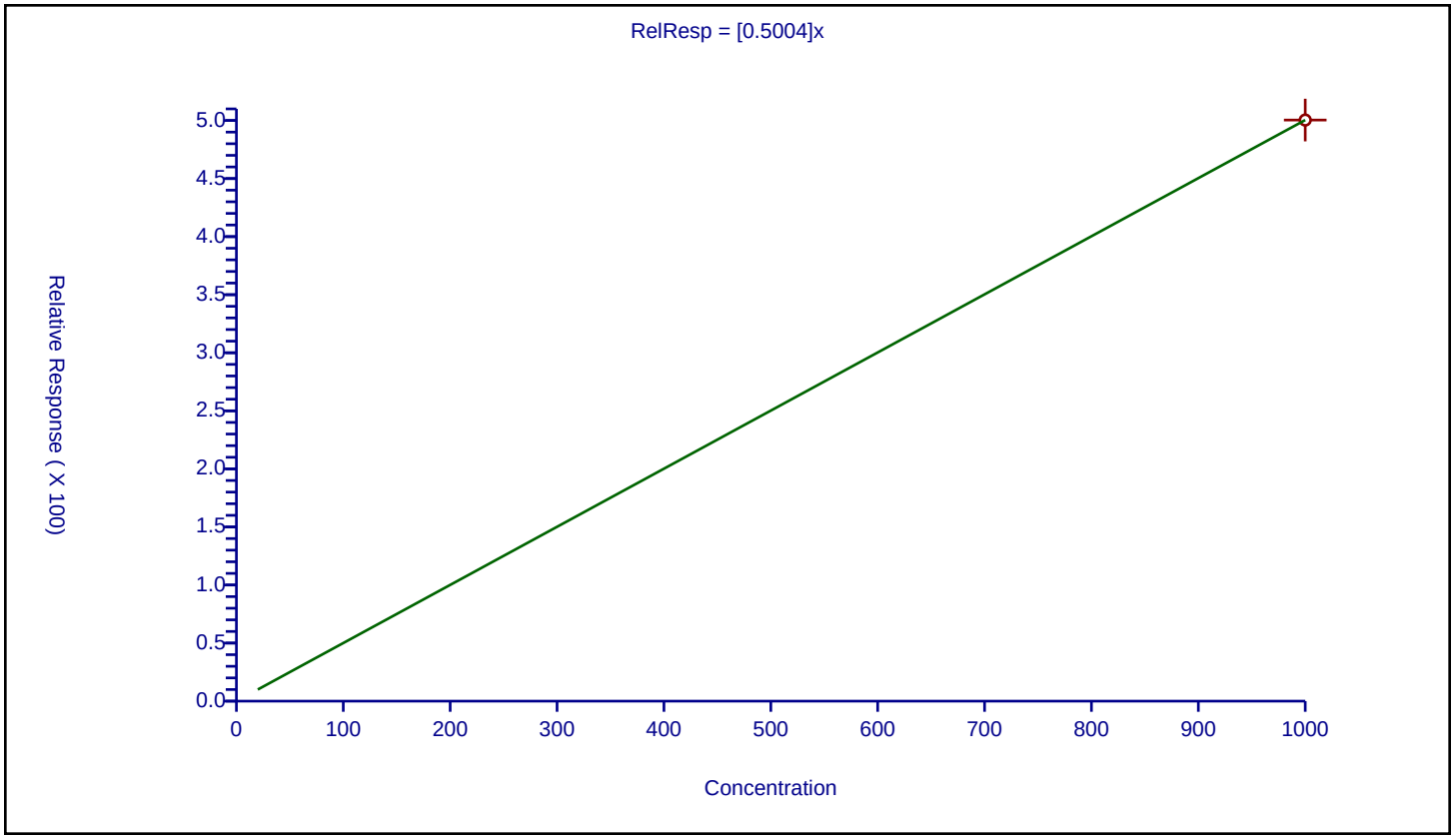
Curve Coefficients

Intercept:	0
Slope:	0.5004

Error Coefficients

Standard Error:	
Relative Standard Error:	0.0
Correlation Coefficient:	NA
Coefficient of Determination (Adjusted):	0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	IC 460-951474/14	1000.0	500.399292	20.0	45332563.0	0.500399	Y



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0141	0.0124		882	1000	-11.8	20.0
PCB-1016 Peak 2	Ave	0.0266	0.0254		953	1000	-4.7	20.0
PCB-1016 Peak 3	Ave	0.0602	0.0562		933	1000	-6.7	20.0
PCB-1016 Peak 4	Ave	0.0262	0.0241		922	1000	-7.8	20.0
PCB-1016 Peak 5	Ave	0.0213	0.0198		929	1000	-7.1	20.0
PCB-1016 Peak 6	Ave	0.0191	0.0175		920	1000	-8.0	20.0
PCB-1016 Peak 7	Ave	0.0234	0.0192		820	1000	-18.0	20.0
PCB-1016 Peak 8	Ave	0.0158	0.0115		726	1000	-27.4*	20.0
PCB-1260 Peak 1	Ave	0.0172	0.0158		918	1000	-8.2	20.0
PCB-1260 Peak 2	Ave	0.0402	0.0370		919	1000	-8.1	20.0
PCB-1260 Peak 3	Ave	0.0466	0.0425		912	1000	-8.8	20.0
PCB-1260 Peak 4	Ave	0.0410	0.0370		903	1000	-9.7	20.0
PCB-1260 Peak 5	Ave	0.0463	0.0425		917	1000	-8.3	20.0
PCB-1260 Peak 6	Ave	0.1131	0.1036		916	1000	-8.4	20.0
PCB-1260 Peak 7	Ave	0.0819	0.0754		920	1000	-8.0	20.0
PCB-1260 Peak 8	Ave	0.0381	0.0346		906	1000	-9.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.91	2.88	2.94
PCB-1016 Peak 2	3.40	3.37	3.43
PCB-1016 Peak 3	3.95	3.92	3.98
PCB-1016 Peak 4	4.11	4.08	4.14
PCB-1016 Peak 5	4.24	4.21	4.27
PCB-1016 Peak 6	4.69	4.66	4.72
PCB-1016 Peak 7	4.84	4.81	4.87
PCB-1016 Peak 8	5.20	5.17	5.23
PCB-1260 Peak 1	6.11	6.08	6.14
PCB-1260 Peak 2	6.35	6.32	6.38
PCB-1260 Peak 3	6.68	6.65	6.71
PCB-1260 Peak 4	7.46	7.43	7.49
PCB-1260 Peak 5	8.02	7.99	8.05
PCB-1260 Peak 6	8.54	8.51	8.57
PCB-1260 Peak 7	9.35	9.32	9.38
PCB-1260 Peak 8	10.23	10.21	10.27

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Dec-2023 12:06:31 ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-007
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:25:04 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:55:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49659519	20.0	20.0	M
2	1.226	1.227	-0.001	46035912	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.912	2.912	0.000	30887994	1000.0	882.5	
1	3.402	3.403	-0.001	62955715	1000.0	952.8	M
1	3.946	3.947	-0.001	139484721	1000.0	933.1	M
1	4.111	4.111	0.000	59894671	1000.0	921.5	M
1	4.236	4.238	-0.002	49086894	1000.0	928.5	M
1	4.690	4.689	0.001	43524050	1000.0	919.8	M
1	4.836	4.838	-0.002	47721154	1000.0	820.4	M
1	5.204	5.204	0.000	28548890	1000.0	726.5	M
		Average of Peak Amounts =				885.6	
2	2.189	2.189	0.000	38437835	1000.0	808.3	
2	2.550	2.549	0.001	81198600	1000.0	937.6	
2	2.750	2.750	0.000	53109278	1000.0	935.3	
2	3.030	3.030	0.000	172714030	1000.0	957.0	
2	3.176	3.176	0.000	72194232	1000.0	950.7	
2	3.241	3.242	-0.001	46299017	1000.0	937.9	
2	3.633	3.633	0.000	73965139	1000.0	920.7	
2	4.062	4.062	0.000	34961594	1000.0	846.9	
		Average of Peak Amounts =				911.8	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.107	6.108	-0.001	39201163	1000.0	917.8	M
1	6.347	6.346	0.001	91808518	1000.0	918.7	M
1	6.677	6.679	-0.002	105567427	1000.0	911.5	M
1	7.455	7.455	0.000	91984643	1000.0	902.8	M
1	8.016	8.015	0.001	105430482	1000.0	917.3	M
1	8.544	8.544	0.000	257213270	1000.0	915.8	M
1	9.347	9.350	-0.003	187124399	1000.0	920.2	
1	10.233	10.236	-0.003	85832431	1000.0	906.2	
		Average of Peak Amounts =				913.8	
2	5.025	5.026	-0.001	103866627	1000.0	923.7	
2	5.351	5.351	0.000	194115413	1000.0	929.8	
2	5.840	5.841	-0.001	111043395	1000.0	900.8	
2	6.166	6.166	0.000	165190745	1000.0	924.4	
2	6.631	6.628	0.003	280814854	1000.0	925.9	
2	7.069	7.072	-0.003	133248054	1000.0	929.1	
2	7.221	7.219	0.002	86389868	1000.0	920.9	
2	8.229	8.233	-0.004	90536528	1000.0	921.2	
		Average of Peak Amounts =				922.0	
						RPD = 0.89	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

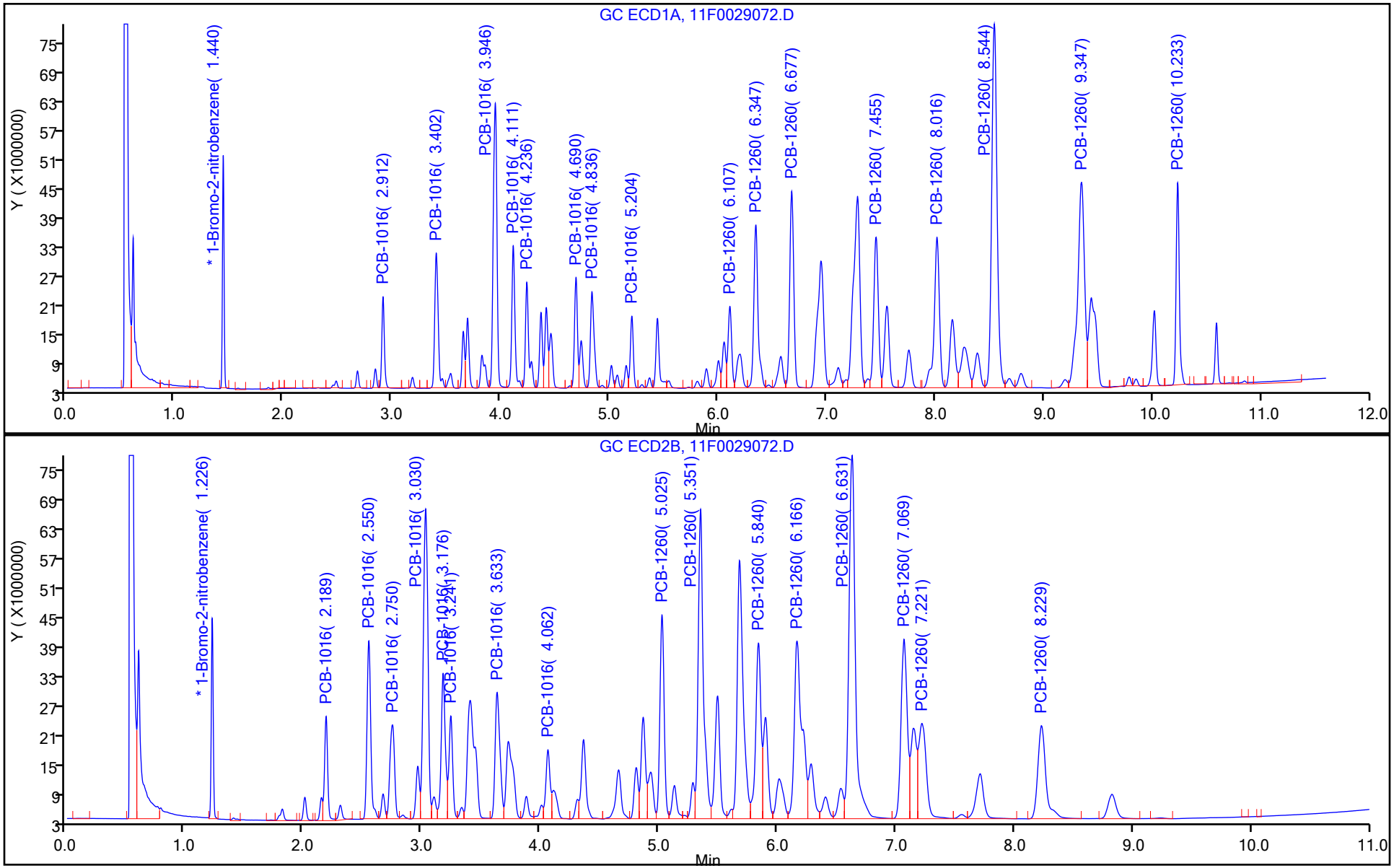
SGPCBICV_00032	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:25:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D

Injection Date:	21-Dec-2023 12:06:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

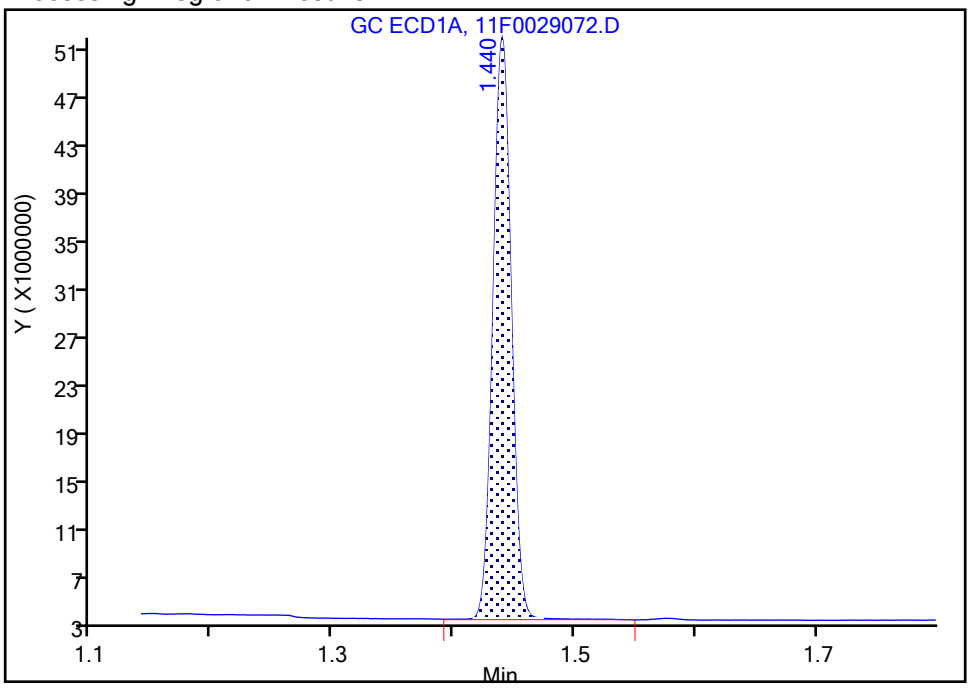
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 1

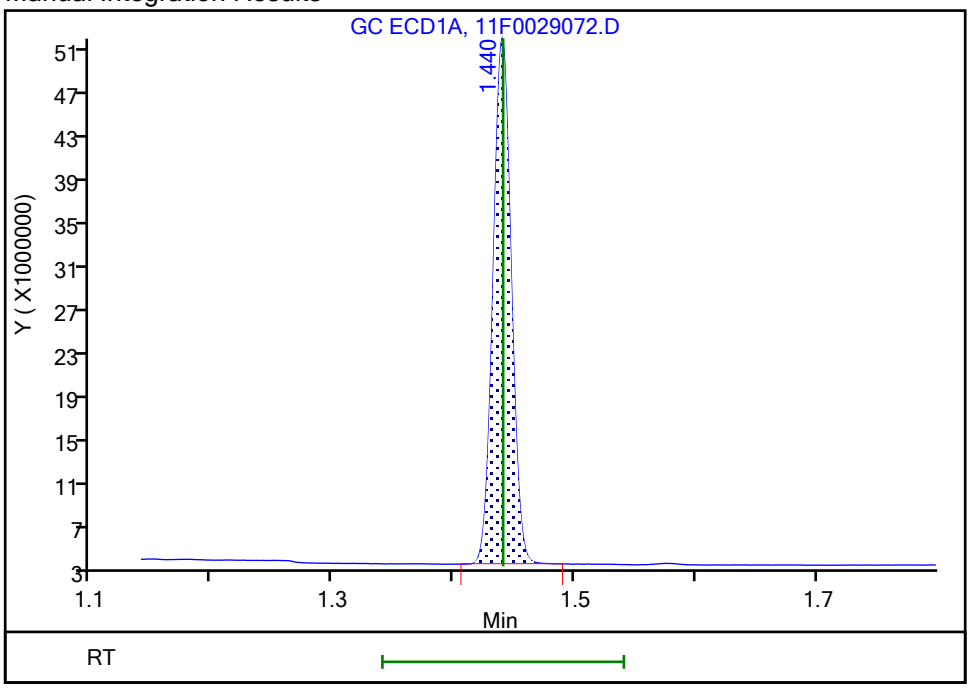
Processing Integration Results

RT: 1.44
Area: 49983528
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.44
Area: 49659519
Amount: 20.000000
Amount Units: ug/l



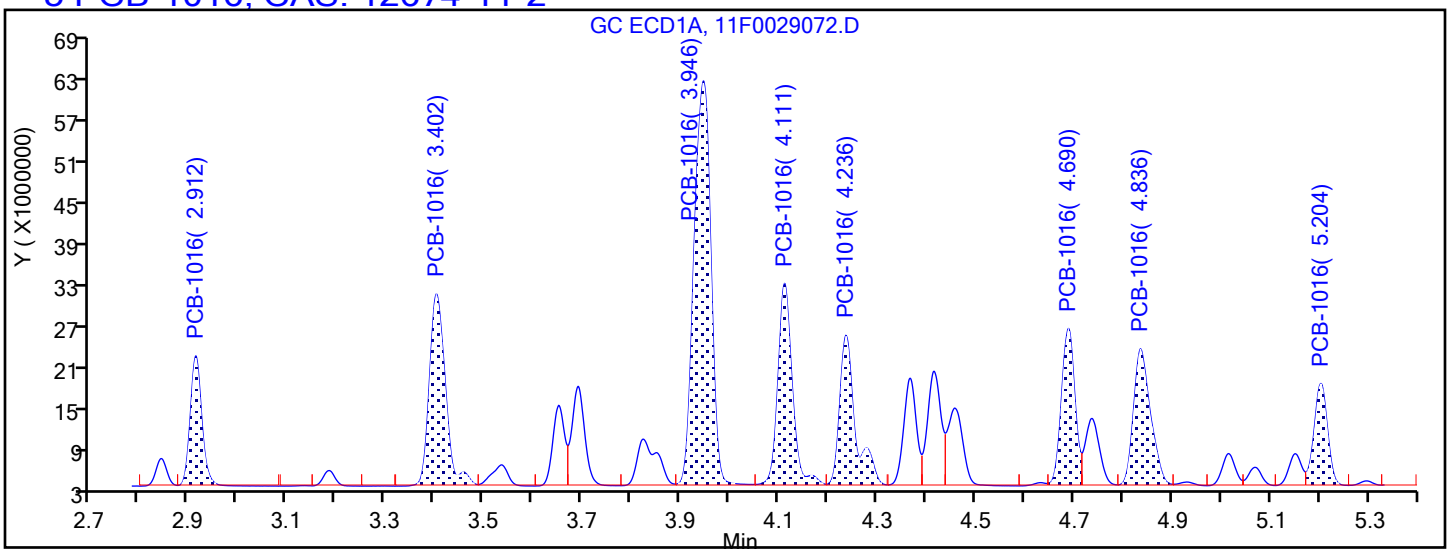
Reviewer: OR9X, 21-Dec-2023 12:55:01 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

Report Date: 21-Dec-2023 14:25:19 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

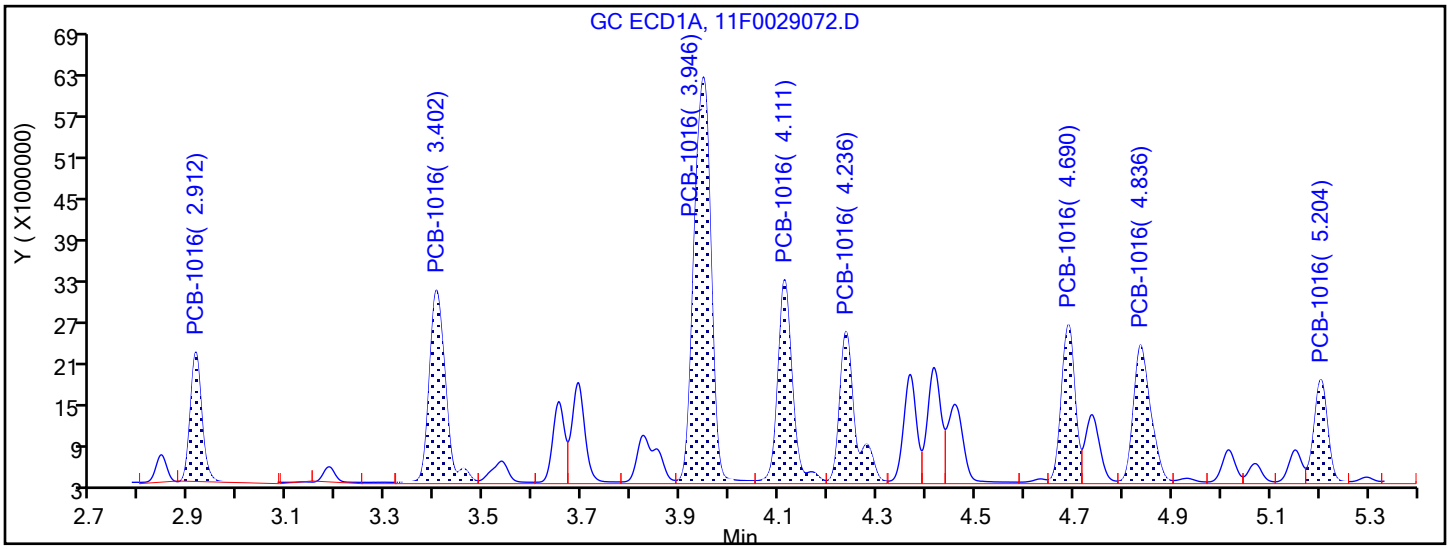
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.912	Response = 30887994
3.402	Response = 62426005
3.946	Response = 138064050
4.111	Response = 58636364
4.236	Response = 48073162
4.690	Response = 43171819
4.836	Response = 47107819
5.204	Response = 28207467



Manual Integration Results

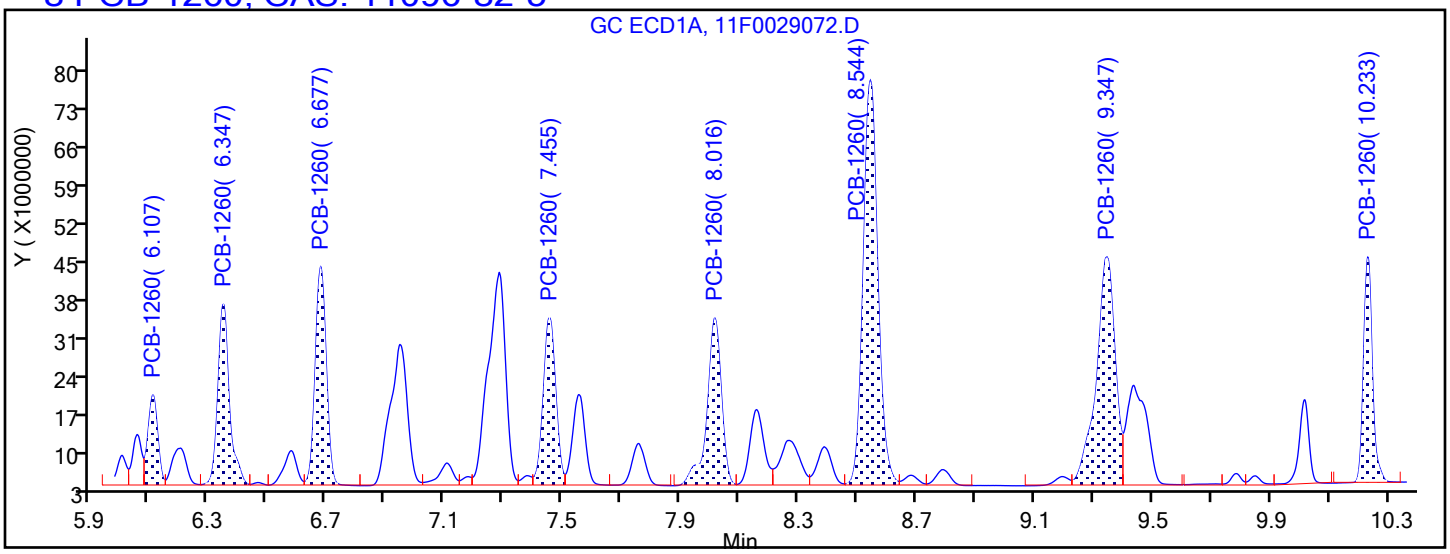
2.912	Response = 30887994	
3.402	Response = 62955715	M
3.946	Response = 139484721	M
4.111	Response = 59894671	M
4.236	Response = 49086894	M
4.690	Response = 43524050	M

Report Date: 21-Dec-2023 14:25:20 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

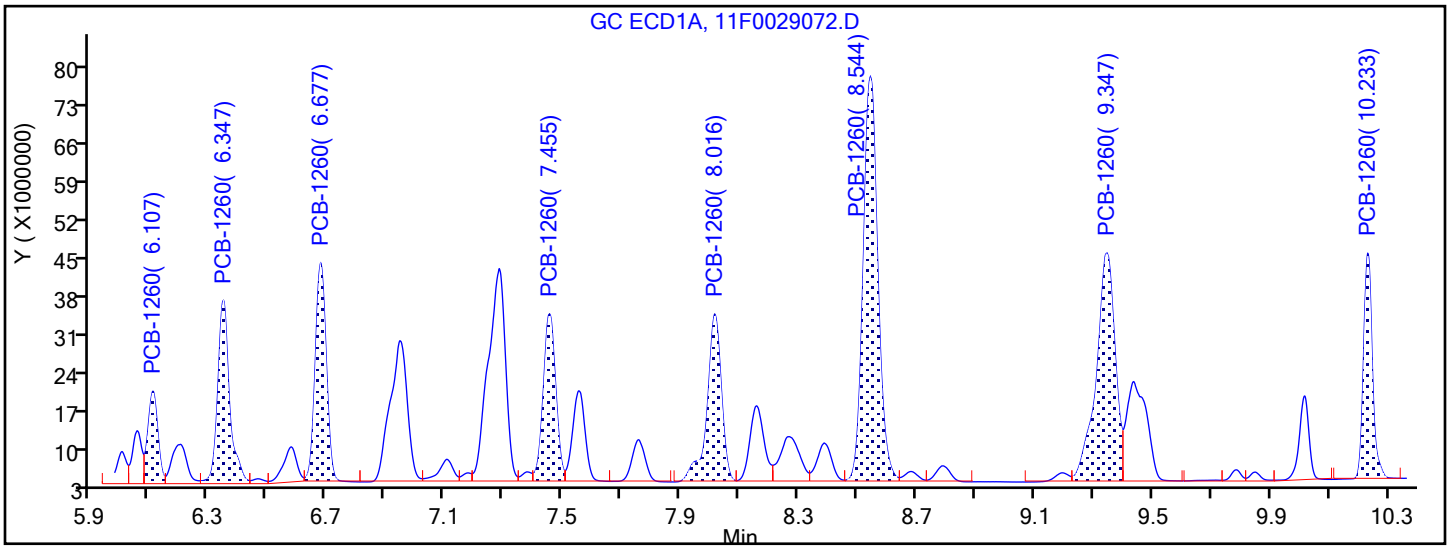
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5



Processing Integration Results

6.107	Response = 39081743
6.347	Response = 91479753
6.677	Response = 104984900
7.455	Response = 91231039
8.016	Response = 103867169
8.544	Response = 254580599
9.347	Response = 187124399
10.233	Response = 85832431



Manual Integration Results

6.107	Response = 39201163	M
6.347	Response = 91808518	M
6.677	Response = 105567427	M
7.455	Response = 91984643	M
8.016	Response = 105430482	M
8.544	Response = 257213270	M

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0207	0.0167		808	1000	-19.2	20.0
PCB-1016 Peak 2	Ave	0.0376	0.0353		938	1000	-6.2	20.0
PCB-1016 Peak 3	Ave	0.0247	0.0231		935	1000	-6.5	20.0
PCB-1016 Peak 4	Ave	0.0784	0.0750		957	1000	-4.3	20.0
PCB-1016 Peak 5	Ave	0.0330	0.0314		951	1000	-4.9	20.0
PCB-1016 Peak 6	Ave	0.0214	0.0201		938	1000	-6.2	20.0
PCB-1016 Peak 7	Ave	0.0349	0.0321		921	1000	-7.9	20.0
PCB-1016 Peak 8	Ave	0.0179	0.0152		847	1000	-15.3	20.0
PCB-1260 Peak 1	Ave	0.0489	0.0451		924	1000	-7.6	20.0
PCB-1260 Peak 2	Ave	0.0907	0.0843		930	1000	-7.0	20.0
PCB-1260 Peak 3	Ave	0.0536	0.0482		901	1000	-9.9	20.0
PCB-1260 Peak 4	Ave	0.0776	0.0718		924	1000	-7.6	20.0
PCB-1260 Peak 5	Ave	0.1318	0.1220		926	1000	-7.4	20.0
PCB-1260 Peak 6	Ave	0.0623	0.0579		929	1000	-7.1	20.0
PCB-1260 Peak 7	Ave	0.0408	0.0375		921	1000	-7.9	20.0
PCB-1260 Peak 8	Ave	0.0427	0.0393		921	1000	-7.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICV 460-951474/7 Calibration Date: 12/21/2023 12:06

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0029072.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.19	2.16	2.22
PCB-1016 Peak 2	2.55	2.52	2.58
PCB-1016 Peak 3	2.75	2.72	2.78
PCB-1016 Peak 4	3.03	3.00	3.06
PCB-1016 Peak 5	3.18	3.15	3.21
PCB-1016 Peak 6	3.24	3.21	3.27
PCB-1016 Peak 7	3.63	3.60	3.66
PCB-1016 Peak 8	4.06	4.03	4.09
PCB-1260 Peak 1	5.03	5.00	5.06
PCB-1260 Peak 2	5.35	5.32	5.38
PCB-1260 Peak 3	5.84	5.81	5.87
PCB-1260 Peak 4	6.17	6.14	6.20
PCB-1260 Peak 5	6.63	6.60	6.66
PCB-1260 Peak 6	7.07	7.04	7.10
PCB-1260 Peak 7	7.22	7.19	7.25
PCB-1260 Peak 8	8.23	8.20	8.26

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 21-Dec-2023 12:06:31 ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0170506-007
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 21-Dec-2023 14:25:04 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1611

First Level Reviewer: OR9X Date: 21-Dec-2023 12:55:18

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							M
1	1.440	1.440	0.000	49659519	20.0	20.0	M
2	1.226	1.227	-0.001	46035912	20.0	20.0	M
						RPD = 0.00	
5 PCB-1016							M
1	2.912	2.912	0.000	30887994	1000.0	882.5	
1	3.402	3.403	-0.001	62955715	1000.0	952.8	M
1	3.946	3.947	-0.001	139484721	1000.0	933.1	M
1	4.111	4.111	0.000	59894671	1000.0	921.5	M
1	4.236	4.238	-0.002	49086894	1000.0	928.5	M
1	4.690	4.689	0.001	43524050	1000.0	919.8	M
1	4.836	4.838	-0.002	47721154	1000.0	820.4	M
1	5.204	5.204	0.000	28548890	1000.0	726.5	M
		Average of Peak Amounts =				885.6	
2	2.189	2.189	0.000	38437835	1000.0	808.3	
2	2.550	2.549	0.001	81198600	1000.0	937.6	
2	2.750	2.750	0.000	53109278	1000.0	935.3	
2	3.030	3.030	0.000	172714030	1000.0	957.0	
2	3.176	3.176	0.000	72194232	1000.0	950.7	
2	3.241	3.242	-0.001	46299017	1000.0	937.9	
2	3.633	3.633	0.000	73965139	1000.0	920.7	
2	4.062	4.062	0.000	34961594	1000.0	846.9	
		Average of Peak Amounts =				911.8	
						RPD = 2.91	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
8 PCB-1260							M
1	6.107	6.108	-0.001	39201163	1000.0	917.8	M
1	6.347	6.346	0.001	91808518	1000.0	918.7	M
1	6.677	6.679	-0.002	105567427	1000.0	911.5	M
1	7.455	7.455	0.000	91984643	1000.0	902.8	M
1	8.016	8.015	0.001	105430482	1000.0	917.3	M
1	8.544	8.544	0.000	257213270	1000.0	915.8	M
1	9.347	9.350	-0.003	187124399	1000.0	920.2	
1	10.233	10.236	-0.003	85832431	1000.0	906.2	
		Average of Peak Amounts =				913.8	
2	5.025	5.026	-0.001	103866627	1000.0	923.7	
2	5.351	5.351	0.000	194115413	1000.0	929.8	
2	5.840	5.841	-0.001	111043395	1000.0	900.8	
2	6.166	6.166	0.000	165190745	1000.0	924.4	
2	6.631	6.628	0.003	280814854	1000.0	925.9	
2	7.069	7.072	-0.003	133248054	1000.0	929.1	
2	7.221	7.219	0.002	86389868	1000.0	920.9	
2	8.229	8.233	-0.004	90536528	1000.0	921.2	
		Average of Peak Amounts =				922.0	
						RPD = 0.89	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

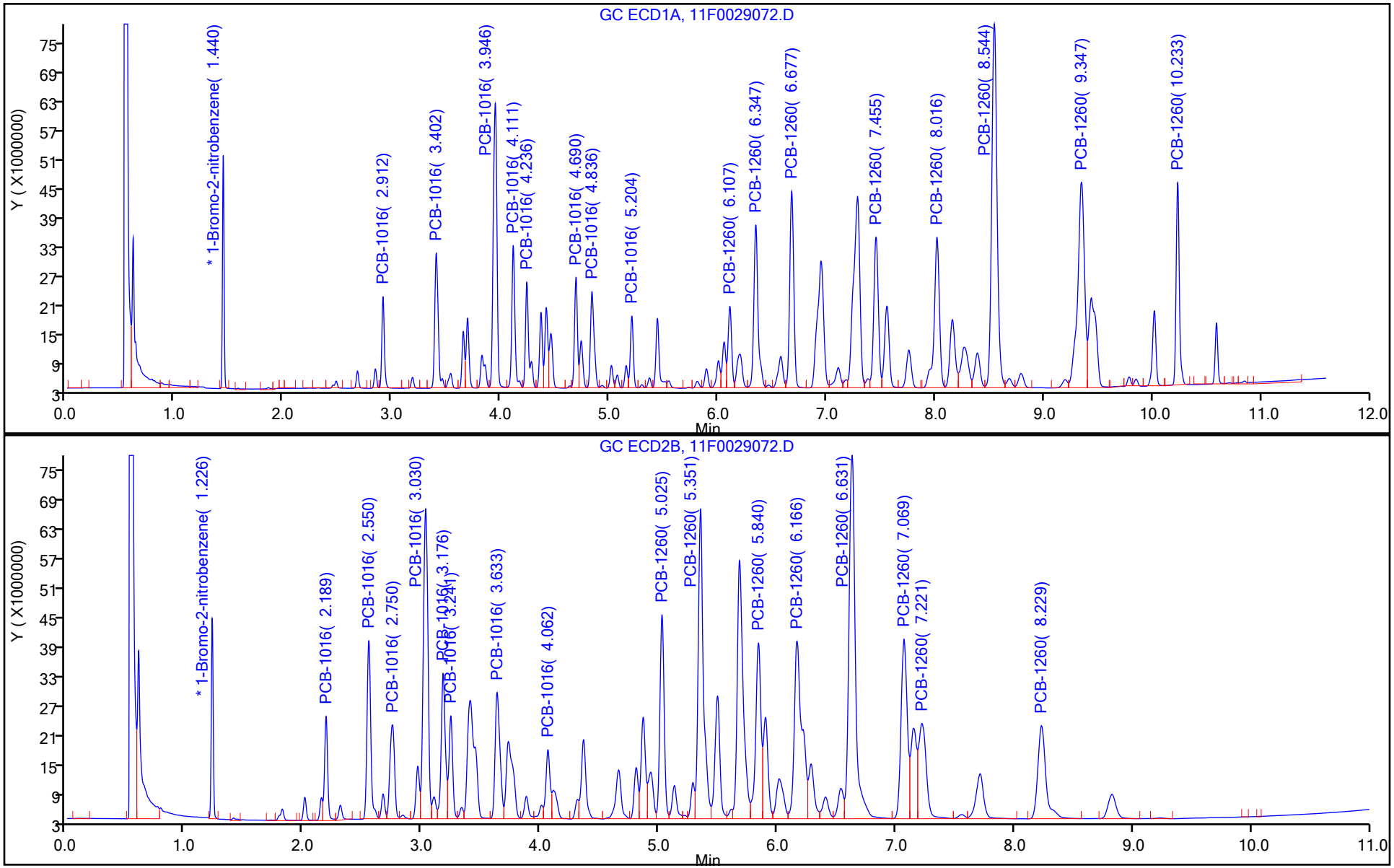
SGPCBICV_00032	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 21-Dec-2023 14:25:20 Chrom Revision: 2.3 15-Nov-2023 20:54:34

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D

Injection Date:	21-Dec-2023 12:06:31	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	ICV			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

Manual Integration/User Assign Peak Report

Eurofins Edison

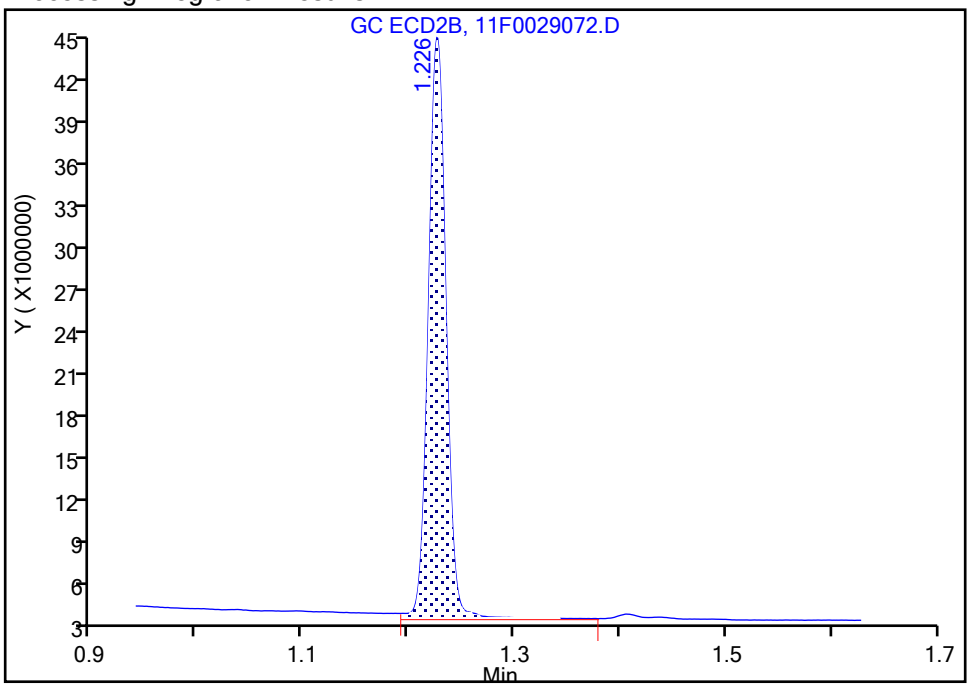
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029072.D
Injection Date: 21-Dec-2023 12:06:31 Instrument ID: CPESTGC11
Lims ID: ICV
Client ID:
Operator ID: ALS Bottle#: 23 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

* 13 1-Bromo-2-nitrobenzene, CAS: 577-19-5

Signal: 2

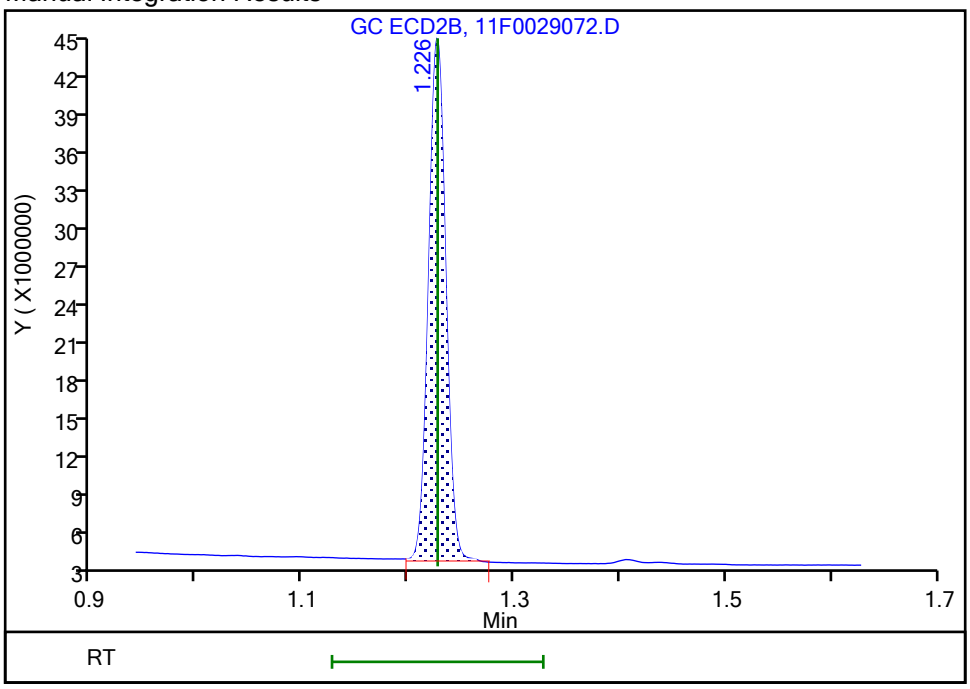
Processing Integration Results

RT: 1.23
Area: 47462586
Amount: 20.000000
Amount Units: ug/l



Manual Integration Results

RT: 1.23
Area: 46035912
Amount: 20.000000
Amount Units: ug/l



Reviewer: OR9X, 21-Dec-2023 12:54:56 -05:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Sample matrix interference

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0141	0.0141		1000	1000	0.0	20.0
PCB-1016 Peak 2	Ave	0.0266	0.0262		983	1000	-1.7	20.0
PCB-1016 Peak 3	Ave	0.0602	0.0595		988	1000	-1.2	20.0
PCB-1016 Peak 4	Ave	0.0262	0.0253		967	1000	-3.3	20.0
PCB-1016 Peak 5	Ave	0.0213	0.0171		801	1000	-19.9	20.0
PCB-1016 Peak 6	Ave	0.0191	0.0190		995	1000	-0.5	20.0
PCB-1016 Peak 7	Ave	0.0234	0.0239		1020	1000	1.9	20.0
PCB-1016 Peak 8	Ave	0.0158	0.0156		983	1000	-1.7	20.0
PCB-1260 Peak 1	Ave	0.0172	0.0168		975	1000	-2.5	20.0
PCB-1260 Peak 2	Ave	0.0402	0.0394		980	1000	-2.0	20.0
PCB-1260 Peak 3	Ave	0.0466	0.0467		1000	1000	0.2	20.0
PCB-1260 Peak 4	Ave	0.0410	0.0419		1020	1000	2.1	20.0
PCB-1260 Peak 5	Ave	0.0463	0.0463		1000	1000	0.0	20.0
PCB-1260 Peak 6	Ave	0.1131	0.1221		1080	1000	8.0	20.0
PCB-1260 Peak 7	Ave	0.0819	0.0861		1050	1000	5.2	20.0
PCB-1260 Peak 8	Ave	0.0381	0.0406		1060	1000	6.3	20.0
Tetrachloro-m-xylene	Ave	0.7852	0.8430		107	100	7.4	20.0
DCB Decachlorobiphenyl	Ave	1.011	1.068		106	100	5.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: CLP-2 ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.86	2.83	2.89
PCB-1016 Peak 2	3.35	3.32	3.38
PCB-1016 Peak 3	3.89	3.86	3.92
PCB-1016 Peak 4	4.05	4.02	4.08
PCB-1016 Peak 5	4.18	4.15	4.21
PCB-1016 Peak 6	4.63	4.60	4.66
PCB-1016 Peak 7	4.78	4.75	4.81
PCB-1016 Peak 8	5.14	5.11	5.17
PCB-1260 Peak 1	6.03	6.00	6.06
PCB-1260 Peak 2	6.27	6.24	6.30
PCB-1260 Peak 3	6.60	6.57	6.63
PCB-1260 Peak 4	7.36	7.33	7.39
PCB-1260 Peak 5	7.91	7.88	7.94
PCB-1260 Peak 6	8.43	8.40	8.46
PCB-1260 Peak 7	9.22	9.19	9.25
PCB-1260 Peak 8	10.17	10.14	10.20
Tetrachloro-m-xylene	2.27	2.24	2.30
DCB Decachlorobiphenyl	10.80	10.77	10.83

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 05:54:52 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:46:01 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.413	0.000	47107127	20.0	20.0	
2	1.205	1.205	0.000	40132371	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.274	2.274	0.000	198556341	100.0	107.4	
2	1.798	1.798	0.000	260747906	100.0	118.8	
						RPD = 10.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.864	2.864	0.000	33227471	1000.0	1000.7	
1	3.350	3.350	0.000	61616249	1000.0	983.0	
1	3.891	3.891	0.000	140059779	1000.0	987.7	
1	4.054	4.054	0.000	59618983	1000.0	967.0	
1	4.180	4.180	0.000	40174541	1000.0	801.1	
1	4.629	4.629	0.000	44676418	1000.0	995.3	
1	4.777	4.777	0.000	56205994	1000.0	1018.6	
1	5.143	5.143	0.000	36642077	1000.0	983.0	
		Average of Peak Amounts =				967.1	
2	2.152	2.152	0.000	46648143	1000.0	1125.3	
2	2.508	2.508	0.000	85495584	1000.0	1132.5	
2	2.703	2.703	0.000	56115418	1000.0	1133.6	
2	2.985	2.985	0.000	180755979	1000.0	1148.8	
2	3.129	3.129	0.000	75834813	1000.0	1145.6	
2	3.193	3.193	0.000	49721252	1000.0	1155.4	
2	3.582	3.582	0.000	79972416	1000.0	1141.9	
2	4.010	4.010	0.000	41473907	1000.0	1152.4	
		Average of Peak Amounts =				1141.9	
						RPD = 16.58	
8 PCB-1260							
1	6.033	6.033	0.000	39503956	1000.0	975.0	
1	6.265	6.265	0.000	92880343	1000.0	979.8	
1	6.595	6.595	0.000	110053031	1000.0	1001.8	
1	7.358	7.358	0.000	98645211	1000.0	1020.6	
1	7.908	7.908	0.000	109101123	1000.0	1000.7	
1	8.431	8.431	0.000	287627656	1000.0	1079.5	
1	9.223	9.223	0.000	202839220	1000.0	1051.6	
1	10.170	10.170	0.000	95547471	1000.0	1063.4	
		Average of Peak Amounts =				1021.6	
2	4.969	4.969	0.000	112731756	1000.0	1150.0	
2	5.292	5.292	0.000	210848468	1000.0	1158.5	
2	5.777	5.777	0.000	121074906	1000.0	1126.6	
2	6.094	6.094	0.000	180299173	1000.0	1157.4	
2	6.552	6.552	0.000	310854077	1000.0	1175.7	
2	6.984	6.984	0.000	144142367	1000.0	1153.0	
2	7.139	7.139	0.000	94952696	1000.0	1161.1	
2	8.130	8.130	0.000	99510804	1000.0	1161.4	
		Average of Peak Amounts =				1155.5	
						RPD = 12.30	
$ 11 DCB Decachlorobiphenyl							
1	10.799	10.799	0.000	251476007	100.0	105.6	
2	9.128	9.128	0.000	277891716	100.0	116.2	
						RPD = 9.56	

Reagents:

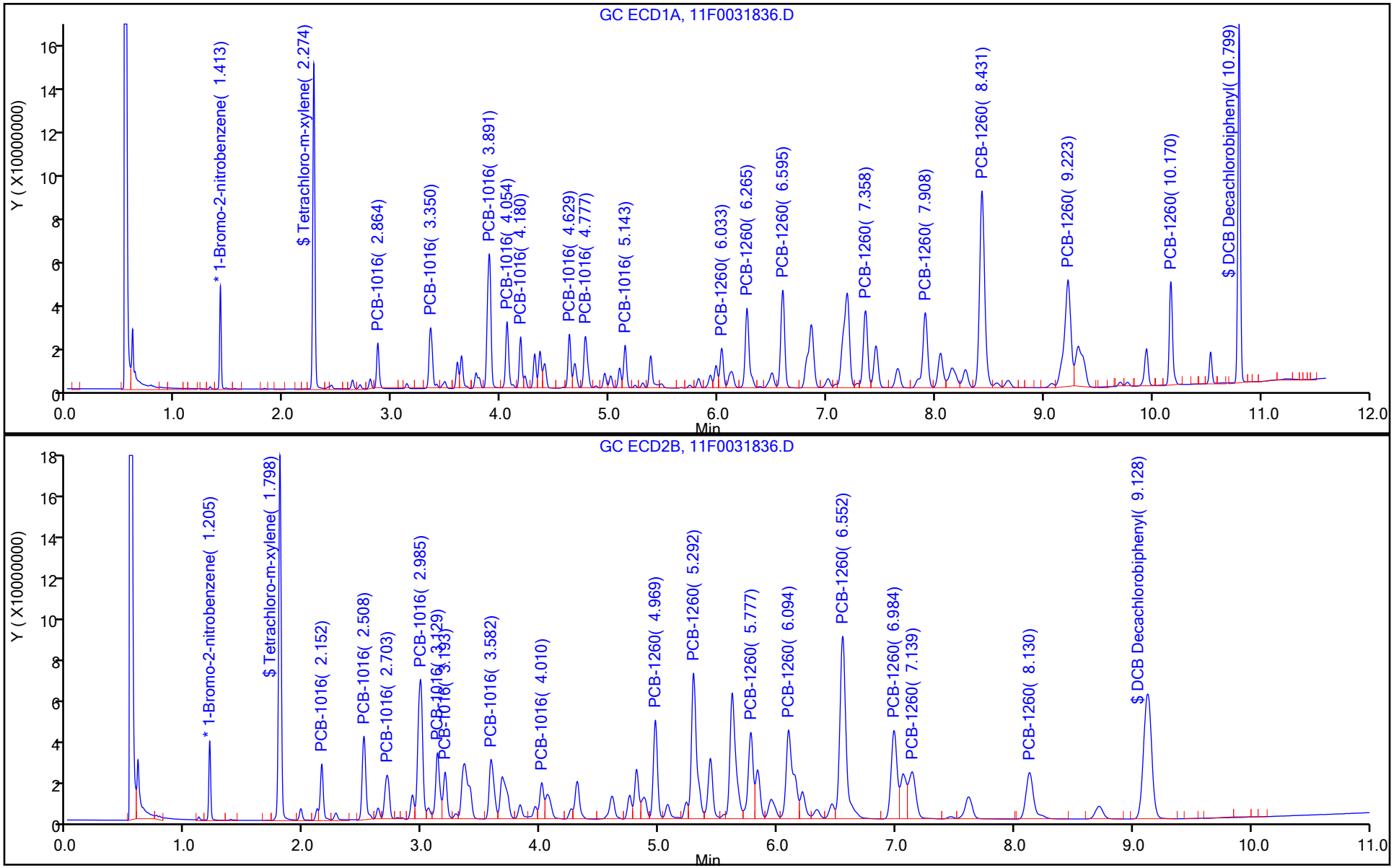
SG1660L3_00043	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 12:46:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D

Injection Date:	22-Mar-2024 05:54:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
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FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Ave	0.0207	0.0232		1130	1000	12.5	20.0
PCB-1016 Peak 2	Ave	0.0376	0.0426		1130	1000	13.2	20.0
PCB-1016 Peak 3	Ave	0.0247	0.0280		1130	1000	13.4	20.0
PCB-1016 Peak 4	Ave	0.0784	0.0901		1150	1000	14.9	20.0
PCB-1016 Peak 5	Ave	0.0330	0.0378		1150	1000	14.6	20.0
PCB-1016 Peak 6	Ave	0.0214	0.0248		1160	1000	15.5	20.0
PCB-1016 Peak 7	Ave	0.0349	0.0399		1140	1000	14.2	20.0
PCB-1016 Peak 8	Ave	0.0179	0.0207		1150	1000	15.2	20.0
PCB-1260 Peak 1	Ave	0.0489	0.0562		1150	1000	15.0	20.0
PCB-1260 Peak 2	Ave	0.0907	0.1051		1160	1000	15.8	20.0
PCB-1260 Peak 3	Ave	0.0536	0.0603		1130	1000	12.7	20.0
PCB-1260 Peak 4	Ave	0.0776	0.0899		1160	1000	15.7	20.0
PCB-1260 Peak 5	Ave	0.1318	0.1549		1180	1000	17.6	20.0
PCB-1260 Peak 6	Ave	0.0623	0.0718		1150	1000	15.3	20.0
PCB-1260 Peak 7	Ave	0.0408	0.0473		1160	1000	16.1	20.0
PCB-1260 Peak 8	Ave	0.0427	0.0496		1160	1000	16.1	20.0
Tetrachloro-m-xylene	Ave	1.094	1.299		119	100	18.8	20.0
DCB Decachlorobiphenyl	Ave	1.192	1.385		116	100	16.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: CCVIS 460-965367/2 Calibration Date: 03/22/2024 05:54

Instrument ID: CPESTGC11 Calib Start Date: 12/21/2023 10:43

GC Column: Rtx-CLP ID: 0.53(mm) Calib End Date: 12/21/2023 11:49

Lab File ID: 11F0031836.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	2.15	2.12	2.18
PCB-1016 Peak 2	2.51	2.48	2.54
PCB-1016 Peak 3	2.70	2.67	2.73
PCB-1016 Peak 4	2.99	2.96	3.02
PCB-1016 Peak 5	3.13	3.10	3.16
PCB-1016 Peak 6	3.19	3.16	3.22
PCB-1016 Peak 7	3.58	3.55	3.61
PCB-1016 Peak 8	4.01	3.98	4.04
PCB-1260 Peak 1	4.97	4.94	5.00
PCB-1260 Peak 2	5.29	5.26	5.32
PCB-1260 Peak 3	5.78	5.75	5.81
PCB-1260 Peak 4	6.09	6.06	6.12
PCB-1260 Peak 5	6.55	6.52	6.58
PCB-1260 Peak 6	6.98	6.95	7.01
PCB-1260 Peak 7	7.14	7.11	7.17
PCB-1260 Peak 8	8.13	8.10	8.16
Tetrachloro-m-xylene	1.80	1.77	1.83
DCB Decachlorobiphenyl	9.13	9.03	9.23

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 22-Mar-2024 05:54:52 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-002
Operator ID: Instrument ID: CPESTGC11
Sublist: chrom-8082 ISTD*sub2

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:46:01 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.413	0.000	47107127	20.0	20.0	
2	1.205	1.205	0.000	40132371	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.274	2.274	0.000	198556341	100.0	107.4	
2	1.798	1.798	0.000	260747906	100.0	118.8	
						RPD = 10.11	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.864	2.864	0.000	33227471	1000.0	1000.7	
1	3.350	3.350	0.000	61616249	1000.0	983.0	
1	3.891	3.891	0.000	140059779	1000.0	987.7	
1	4.054	4.054	0.000	59618983	1000.0	967.0	
1	4.180	4.180	0.000	40174541	1000.0	801.1	
1	4.629	4.629	0.000	44676418	1000.0	995.3	
1	4.777	4.777	0.000	56205994	1000.0	1018.6	
1	5.143	5.143	0.000	36642077	1000.0	983.0	
		Average of Peak Amounts =				967.1	
2	2.152	2.152	0.000	46648143	1000.0	1125.3	
2	2.508	2.508	0.000	85495584	1000.0	1132.5	
2	2.703	2.703	0.000	56115418	1000.0	1133.6	
2	2.985	2.985	0.000	180755979	1000.0	1148.8	
2	3.129	3.129	0.000	75834813	1000.0	1145.6	
2	3.193	3.193	0.000	49721252	1000.0	1155.4	
2	3.582	3.582	0.000	79972416	1000.0	1141.9	
2	4.010	4.010	0.000	41473907	1000.0	1152.4	
		Average of Peak Amounts =				1141.9	
						RPD = 16.58	
8 PCB-1260							
1	6.033	6.033	0.000	39503956	1000.0	975.0	
1	6.265	6.265	0.000	92880343	1000.0	979.8	
1	6.595	6.595	0.000	110053031	1000.0	1001.8	
1	7.358	7.358	0.000	98645211	1000.0	1020.6	
1	7.908	7.908	0.000	109101123	1000.0	1000.7	
1	8.431	8.431	0.000	287627656	1000.0	1079.5	
1	9.223	9.223	0.000	202839220	1000.0	1051.6	
1	10.170	10.170	0.000	95547471	1000.0	1063.4	
		Average of Peak Amounts =				1021.6	
2	4.969	4.969	0.000	112731756	1000.0	1150.0	
2	5.292	5.292	0.000	210848468	1000.0	1158.5	
2	5.777	5.777	0.000	121074906	1000.0	1126.6	
2	6.094	6.094	0.000	180299173	1000.0	1157.4	
2	6.552	6.552	0.000	310854077	1000.0	1175.7	
2	6.984	6.984	0.000	144142367	1000.0	1153.0	
2	7.139	7.139	0.000	94952696	1000.0	1161.1	
2	8.130	8.130	0.000	99510804	1000.0	1161.4	
		Average of Peak Amounts =				1155.5	
						RPD = 12.30	
$ 11 DCB Decachlorobiphenyl							
1	10.799	10.799	0.000	251476007	100.0	105.6	
2	9.128	9.128	0.000	277891716	100.0	116.2	
						RPD = 9.56	

Reagents:

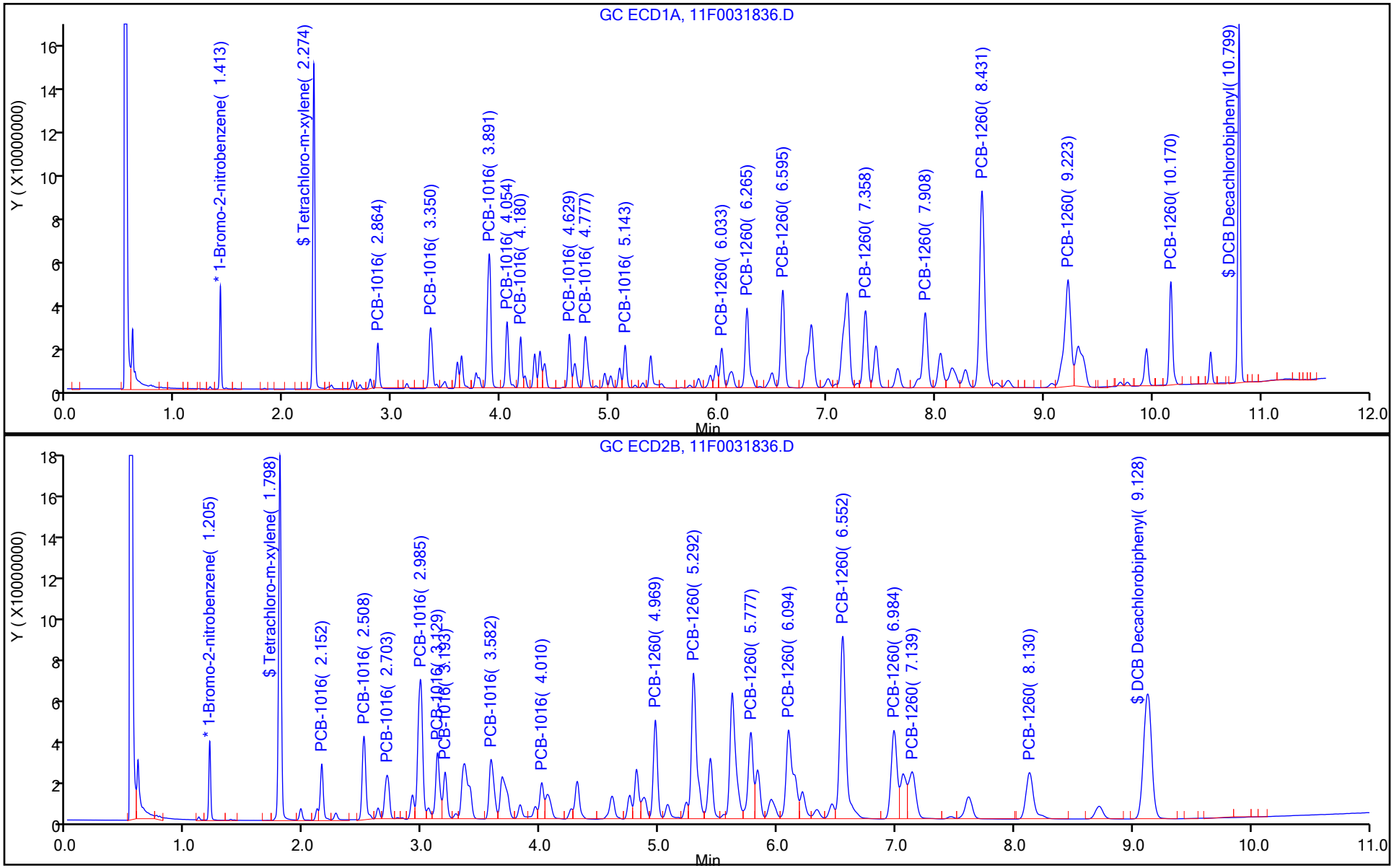
SG1660L3_00043	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

Report Date: 22-Mar-2024 12:46:02 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031836.D

Injection Date:	22-Mar-2024 05:54:52	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		



3/27/2024
11:47:49 AM

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965331/1-A

Matrix: Water | Lab File ID: 11F0031844.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.40*	*U*	*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*0.40*	*U*	*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.40*	*U*	*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	75		10-150
877-09-8	Tetrachloro-m-xylene	81		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D
Lims ID: MB 460-965331/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 08:08:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-010
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	42448469	20.0	20.0	
2	1.205	1.205	0.000	39973882	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	134469512	100.0	80.7	
2	1.798	1.798	0.000	184699514	100.0	84.5	
						RPD = 4.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.794	10.799	-0.005	161755608	100.0	75.4	
2	9.127	9.128	-0.001	194700206	100.0	81.7	
						RPD = 8.09	

Reagents:

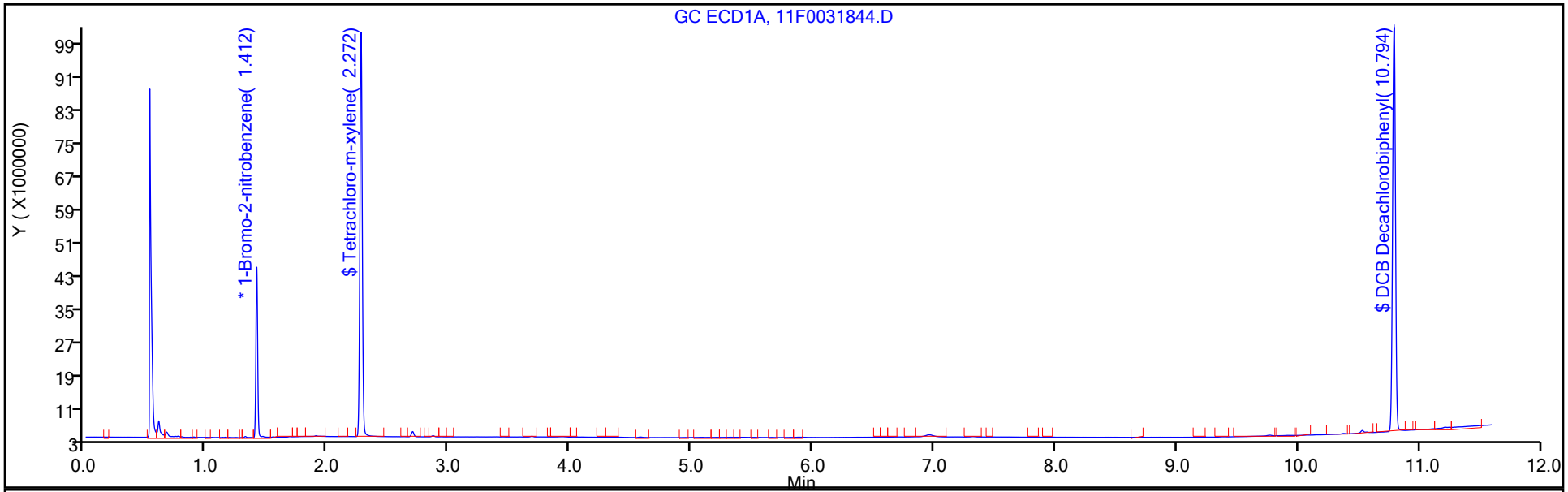
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

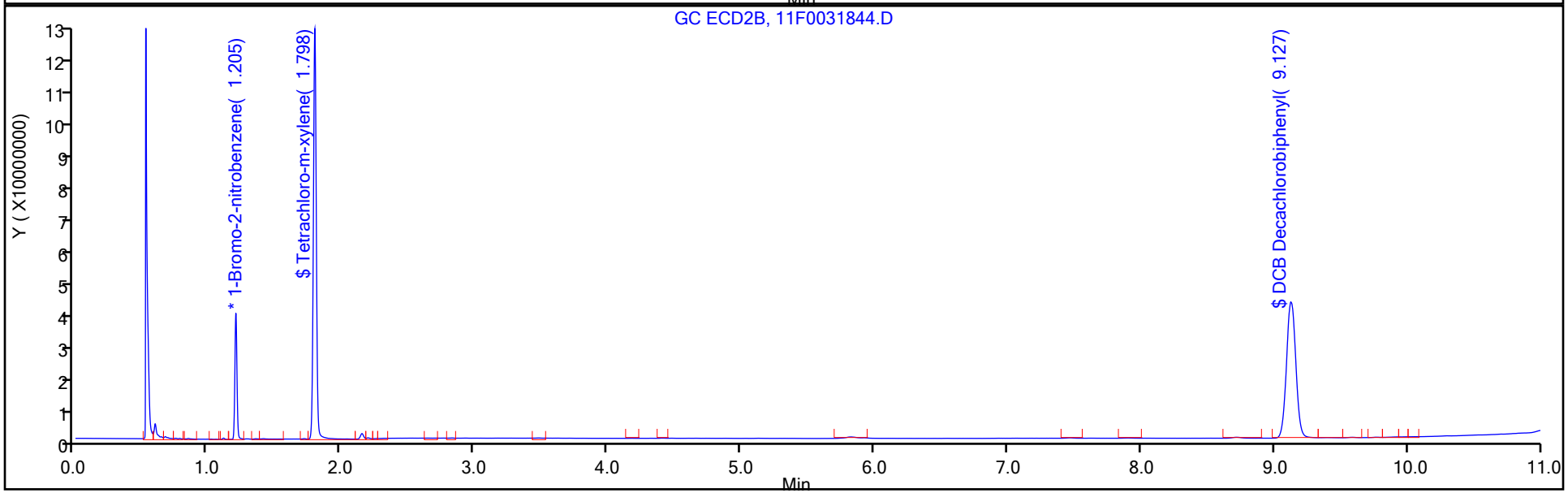
Report Date: 22-Mar-2024 12:45:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D

Injection Date:	22-Mar-2024 08:08:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-965331/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D				
Lims ID:	MB 460-965331/1-A				
Client ID:					
Sample Type:	MB				
Inject. Date:	22-Mar-2024 08:08:39	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-010				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				
First Level Reviewer: OR9X		Date:	22-Mar-2024 12:44:06		

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.7	80.69
$ 11 DCB Decachlorobiphenyl	100.0	75.4	75.38

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.5	84.48
$ 11 DCB Decachlorobiphenyl	100.0	81.7	81.73

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-965331/1-A

Matrix: Water | Lab File ID: 11F0031844.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	82		10-150
877-09-8	Tetrachloro-m-xylene	84		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D
Lims ID: MB 460-965331/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 08:08:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-010
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:06

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	42448469	20.0	20.0	
2	1.205	1.205	0.000	39973882	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.272	2.274	-0.002	134469512	100.0	80.7	
2	1.798	1.798	0.000	184699514	100.0	84.5	
						RPD = 4.59	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							
1	10.794	10.799	-0.005	161755608	100.0	75.4	
2	9.127	9.128	-0.001	194700206	100.0	81.7	
						RPD = 8.09	

Reagents:

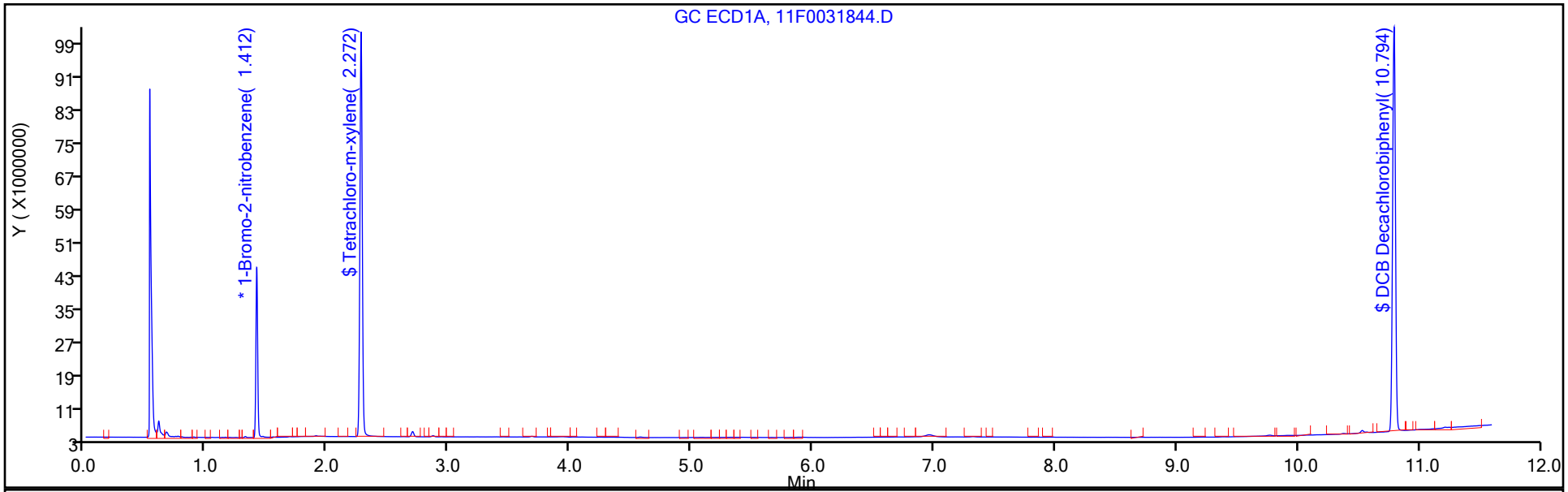
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

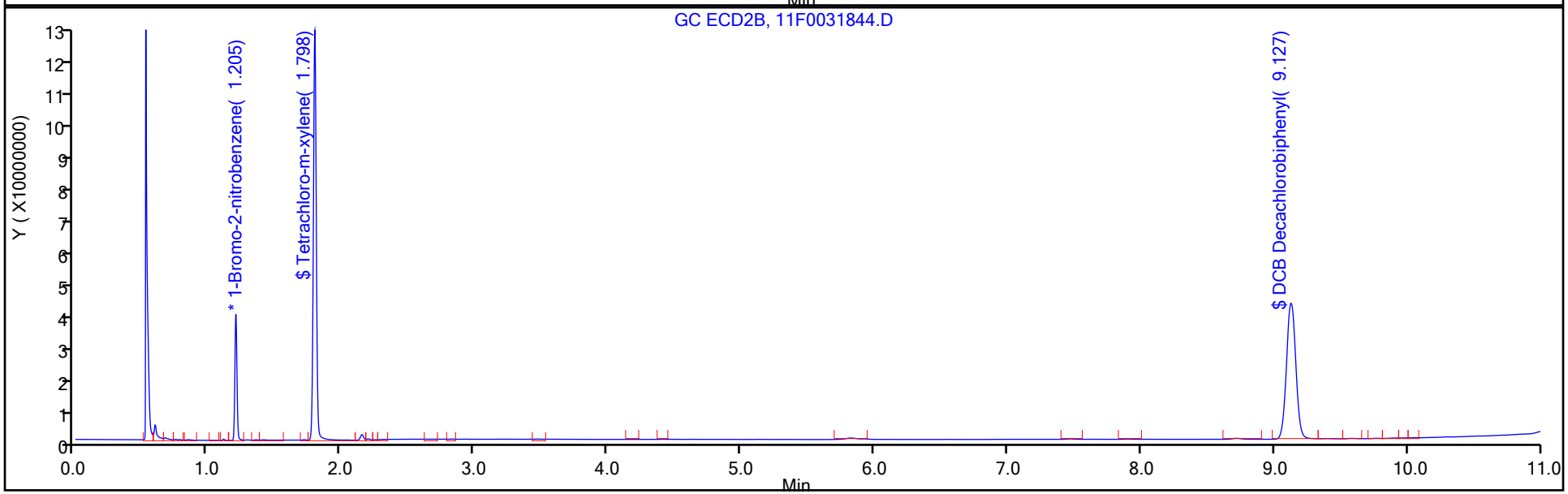
Report Date: 22-Mar-2024 12:45:17 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D

Injection Date:	22-Mar-2024 08:08:39	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	MB 460-965331/1-A			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031844.D
Lims ID: MB 460-965331/1-A
Client ID:
Sample Type: MB
Inject. Date: 22-Mar-2024 08:08:39 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-010
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:06

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.7	80.69
$ 11 DCB Decachlorobiphenyl	100.0	75.4	75.38

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	84.5	84.48
$ 11 DCB Decachlorobiphenyl	100.0	81.7	81.73

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-965367/1

Matrix: Water | Lab File ID: 11F0031835.D

Analysis Method: 8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/22/2024 05:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	0.40	U	0.40	0.12
11104-28-2	Aroclor 1221	0.40	U	0.40	0.12
11141-16-5	Aroclor 1232	0.40	U	0.40	0.12
53469-21-9	Aroclor 1242	0.40	U	0.40	0.12
12672-29-6	Aroclor 1248	0.40	U	0.40	0.12
11097-69-1	Aroclor 1254	0.40	U	0.40	0.11
11096-82-5	Aroclor 1260	0.40	U	0.40	0.11
11100-14-4	Aroclor 1268	0.40	U	0.40	0.11
37324-23-5	Aroclor-1262	0.40	U	0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	0.40	U	0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-150
877-09-8	Tetrachloro-m-xylene	105		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.419	1.412	0.007	51563378	20.0	20.0	
2	1.198	1.205	-0.007	39080412	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.285	2.274	0.011	42310380	20.0	20.9	
2	1.787	1.798	-0.011	50779488	20.0	23.8	
						RPD = 12.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							a
1	10.841	10.799	0.042	44914956	20.0	17.2	a
2	9.120	9.128	-0.008	49841179	20.0	21.4	
						RPD = 21.59	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

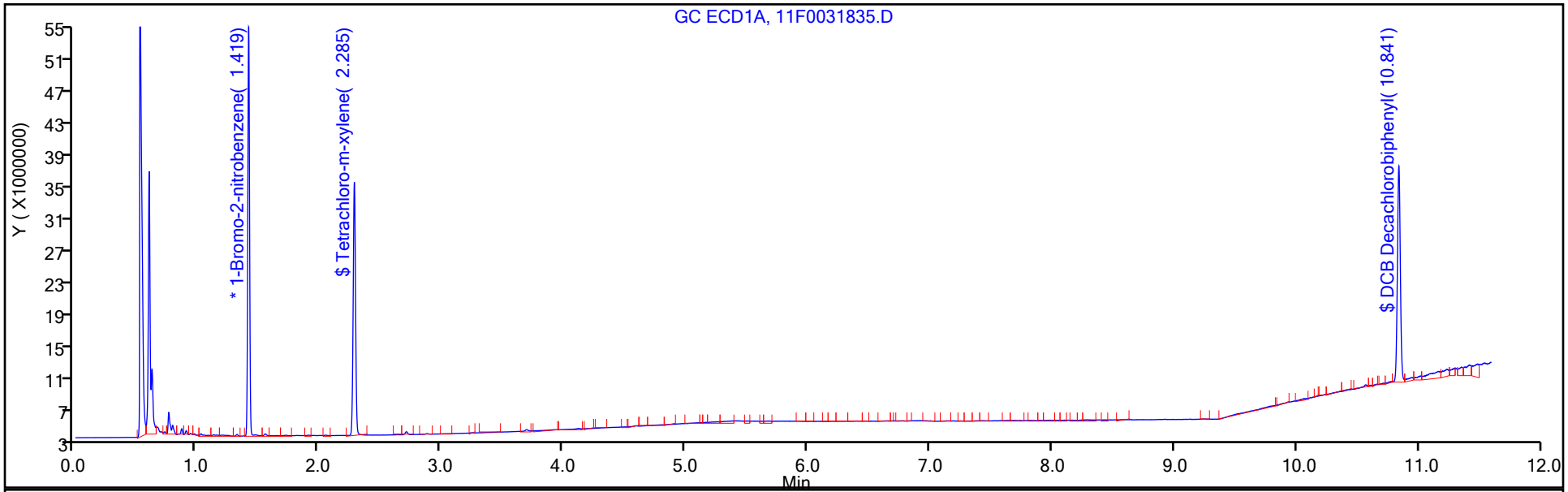
SGPIBLK_00035	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

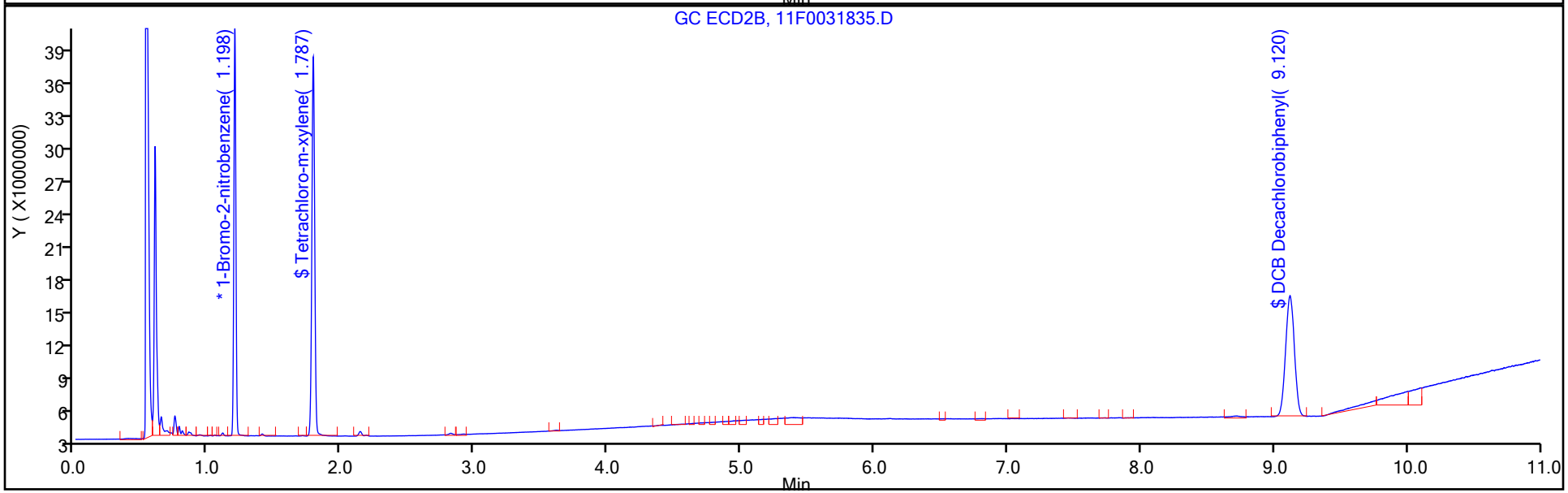
Report Date: 22-Mar-2024 12:46:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D

Injection Date:	22-Mar-2024 05:38:15	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	20.9	104.50
$ 11 DCB Decachlorobiphenyl	20.0	17.2	86.15

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	23.8	118.78
$ 11 DCB Decachlorobiphenyl	20.0	21.4	107.00

Manual Integration/User Assign Peak Report

Eurofins Edison

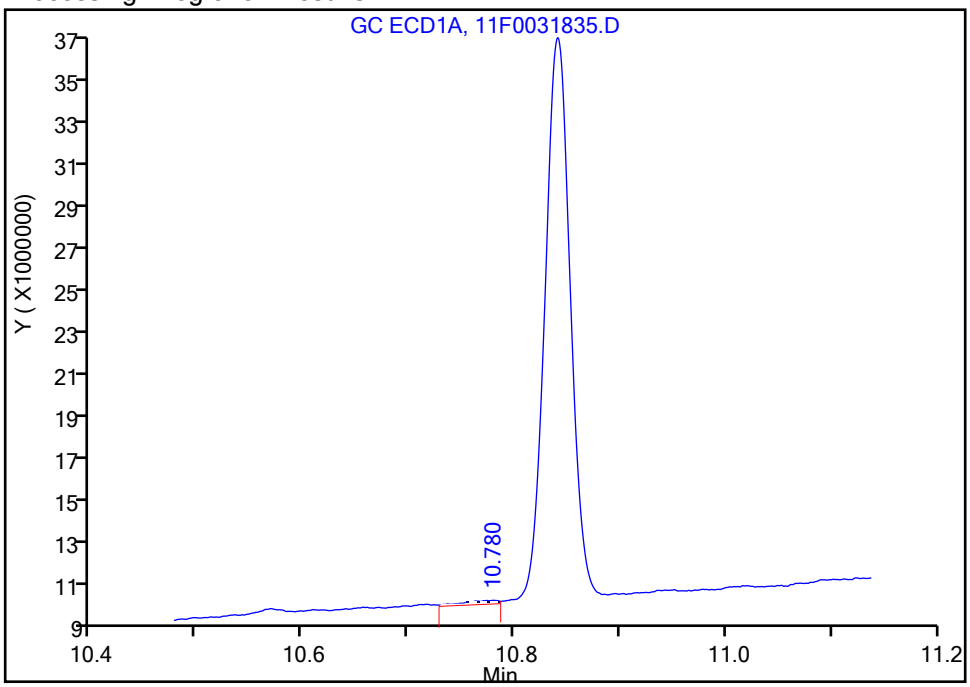
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Injection Date: 22-Mar-2024 05:38:15 Instrument ID: CPESTGC11
Lims ID: PIBLK
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD1A

$ 11 DCB Decachlorobiphenyl, CAS: 2051-24-3

Signal: 1

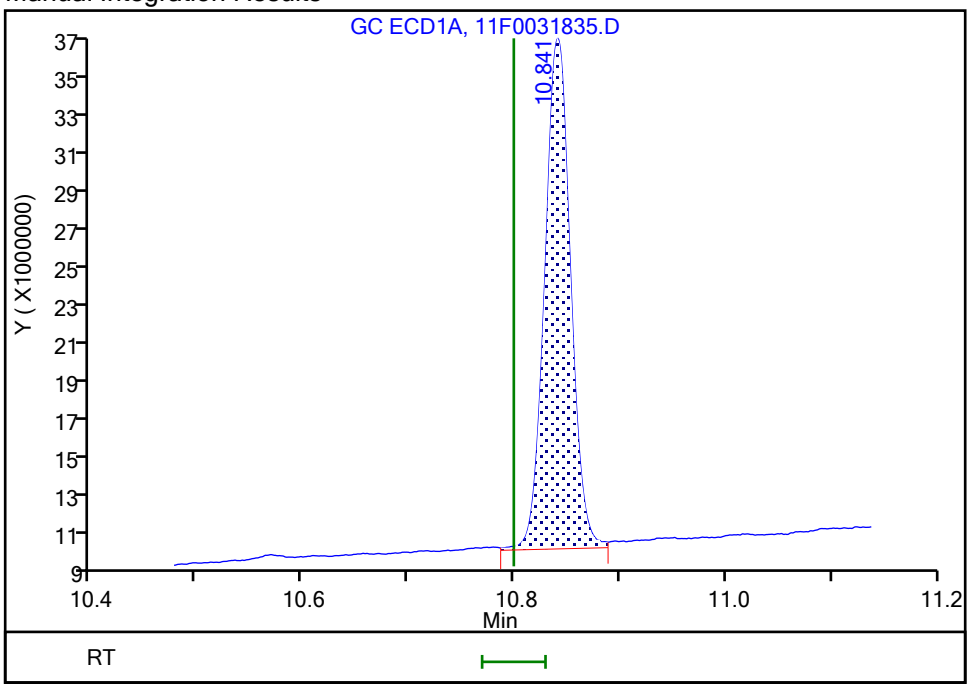
Processing Integration Results

RT: 10.78
Area: 300367
Amount: 0.115227
Amount Units: ug/l



Manual Integration Results

RT: 10.84
Area: 44914956
Amount: 17.230361
Amount Units: ug/l



Reviewer: ESS0, 22-Mar-2024 06:38:45 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak not integrated

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: PIBLK 460-965367/1

Matrix: Water | Lab File ID: 11F0031835.D

Analysis Method: 8082A | Date Collected:

Extraction Method: | Date Extracted:

Sample wt/vol: 1(mL) | Date Analyzed: 03/22/2024 05:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*0.40*	*U*	*0.40*	*0.12*
11104-28-2	*Aroclor 1221*	*0.40*	*U*	*0.40*	*0.12*
11141-16-5	*Aroclor 1232*	*0.40*	*U*	*0.40*	*0.12*
53469-21-9	*Aroclor 1242*	*0.40*	*U*	*0.40*	*0.12*
12672-29-6	*Aroclor 1248*	*0.40*	*U*	*0.40*	*0.12*
11097-69-1	*Aroclor 1254*	*0.40*	*U*	*0.40*	*0.11*
11096-82-5	*Aroclor 1260*	*0.40*	*U*	*0.40*	*0.11*
11100-14-4	*Aroclor 1268*	*0.40*	*U*	*0.40*	*0.11*
37324-23-5	*Aroclor-1262*	*0.40*	*U*	*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*0.40*	*U*	*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	107		10-150
877-09-8	Tetrachloro-m-xylene	119		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.419	1.412	0.007	51563378	20.0	20.0	
2	1.198	1.205	-0.007	39080412	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.285	2.274	0.011	42310380	20.0	20.9	
2	1.787	1.798	-0.011	50779488	20.0	23.8	
						RPD = 12.79	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 11 DCB Decachlorobiphenyl							a
1	10.841	10.799	0.042	44914956	20.0	17.2	a
2	9.120	9.128	-0.008	49841179	20.0	21.4	
						RPD = 21.59	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

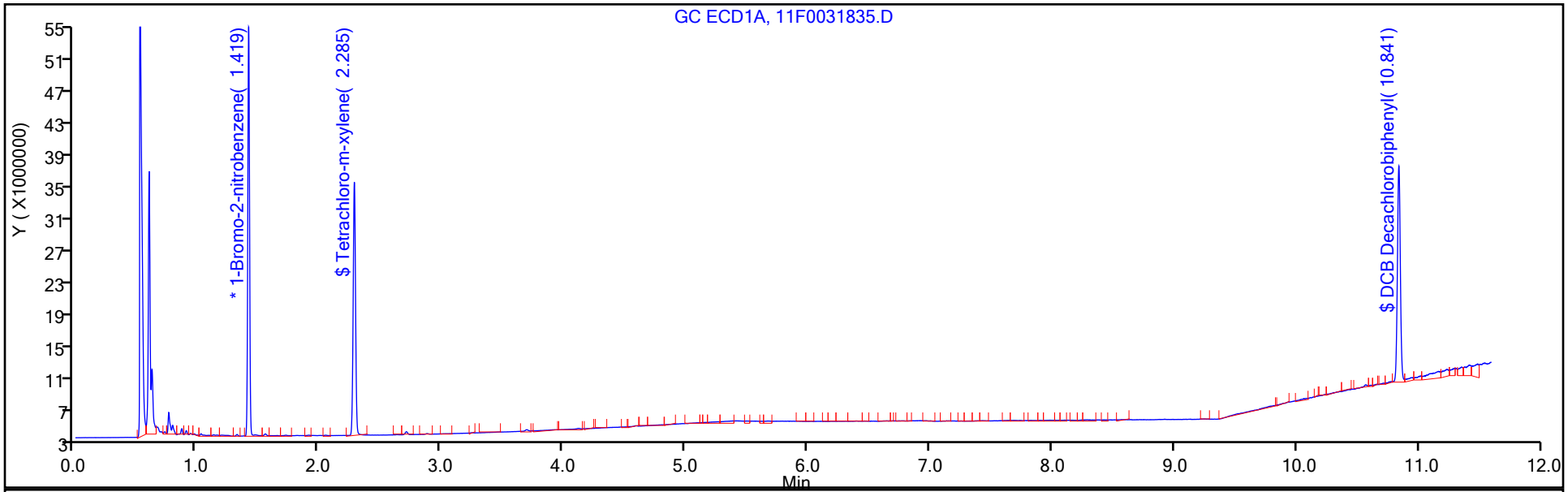
SGPIBLK_00035	Amount Added: 1.00	Units: mL	
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

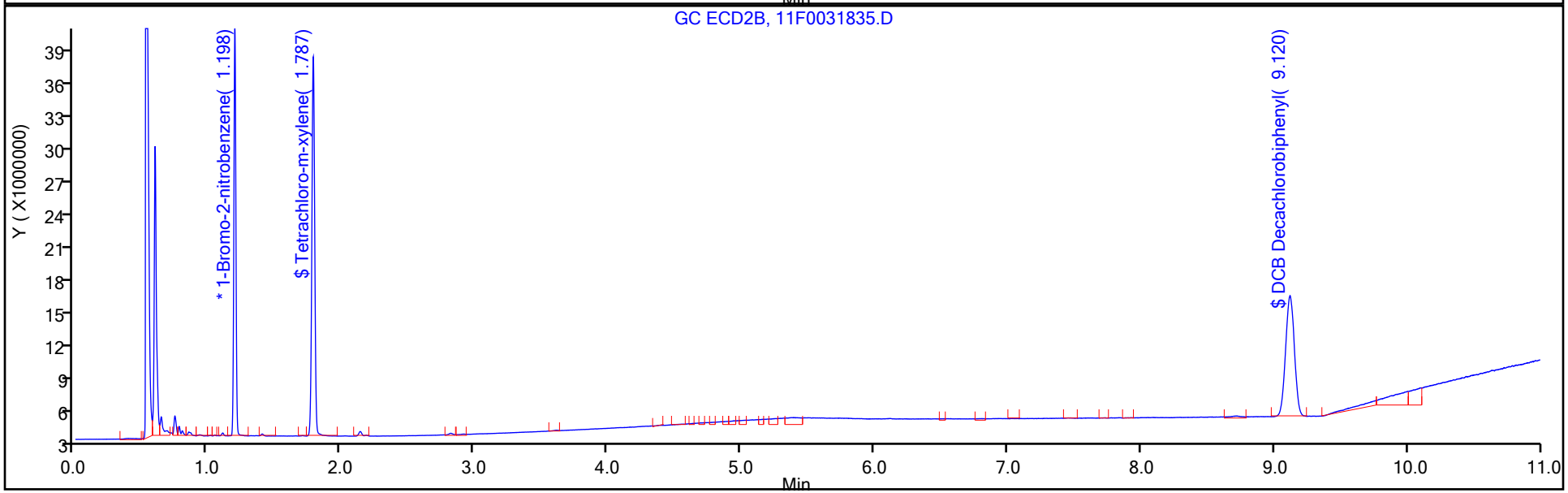
Report Date: 22-Mar-2024 12:46:00 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D

Injection Date:	22-Mar-2024 05:38:15	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	PIBLK			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031835.D
Lims ID: PIBLK
Client ID:
Sample Type: PIBLK
Inject. Date: 22-Mar-2024 05:38:15 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-001
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: ESS0 Date: 22-Mar-2024 06:38:52

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	20.9	104.50
$ 11 DCB Decachlorobiphenyl	20.0	17.2	86.15

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	20.0	23.8	118.78
$ 11 DCB Decachlorobiphenyl	20.0	21.4	107.00

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965331/2-A

Matrix: Water | Lab File ID: 11F0031845.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*2.92*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*3.08*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*6.00*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		10-150
877-09-8	Tetrachloro-m-xylene	87		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.412	0.001	44566697	20.0	20.0	
2	1.206	1.205	0.001	42664286	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	152469098	100.0	87.1	
2	1.798	1.798	0.000	208024660	100.0	89.1	
						RPD = 2.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.861	2.864	-0.003	23694762	1000.0	754.3	
1	3.347	3.350	-0.003	41783573	1000.0	704.6	
1	3.888	3.891	-0.003	99533345	1000.0	742.0	
1	4.053	4.054	-0.001	42251486	1000.0	724.4	
1	4.176	4.180	-0.004	34639603	1000.0	730.1	
1	4.627	4.629	-0.002	30963781	1000.0	729.1	
1	4.774	4.777	-0.003	38553822	1000.0	738.5	
1	5.140	5.143	-0.003	25078242	1000.0	711.1	
		Average of Peak Amounts =				729.3	
2	2.152	2.152	0.000	34969650	1000.0	793.5	
2	2.508	2.508	0.000	62763922	1000.0	782.0	M
2	2.707	2.703	0.004	41432951	1000.0	787.3	M
2	2.986	2.985	0.001	131552637	1000.0	786.5	M
2	3.129	3.129	0.000	55567065	1000.0	789.6	M
2	3.196	3.193	0.003	36750755	1000.0	803.3	M
2	3.584	3.582	0.002	58237768	1000.0	782.2	M
2	4.009	4.010	-0.001	30864808	1000.0	806.7	M
		Average of Peak Amounts =				791.4	
						RPD = 8.17	
8 PCB-1260							
1	6.029	6.033	-0.004	28487830	1000.0	743.2	
1	6.262	6.265	-0.003	66338825	1000.0	739.7	
1	6.591	6.595	-0.004	79502777	1000.0	764.9	
1	7.352	7.358	-0.006	71283799	1000.0	779.6	
1	7.903	7.908	-0.005	77952357	1000.0	755.8	
1	8.427	8.431	-0.004	203211108	1000.0	806.2	
1	9.219	9.223	-0.004	143764012	1000.0	787.8	
1	10.166	10.170	-0.004	67002863	1000.0	788.3	
		Average of Peak Amounts =				770.7	
2	4.970	4.969	0.001	83458304	1000.0	800.9	
2	5.293	5.292	0.001	153096481	1000.0	791.2	
2	5.778	5.777	0.001	89456614	1000.0	783.0	
2	6.098	6.094	0.004	131349876	1000.0	793.1	
2	6.554	6.552	0.002	225860411	1000.0	803.5	
2	6.988	6.984	0.004	105326934	1000.0	792.5	
2	7.139	7.139	0.000	67667904	1000.0	778.4	
2	8.133	8.130	0.003	72620379	1000.0	797.3	
		Average of Peak Amounts =				792.5	
						RPD = 2.79	
$ 11 DCB Decachlorobiphenyl							
1	10.798	10.799	-0.001	197789683	100.0	87.8	
2	9.132	9.128	0.004	228540495	100.0	89.9	
						RPD = 2.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

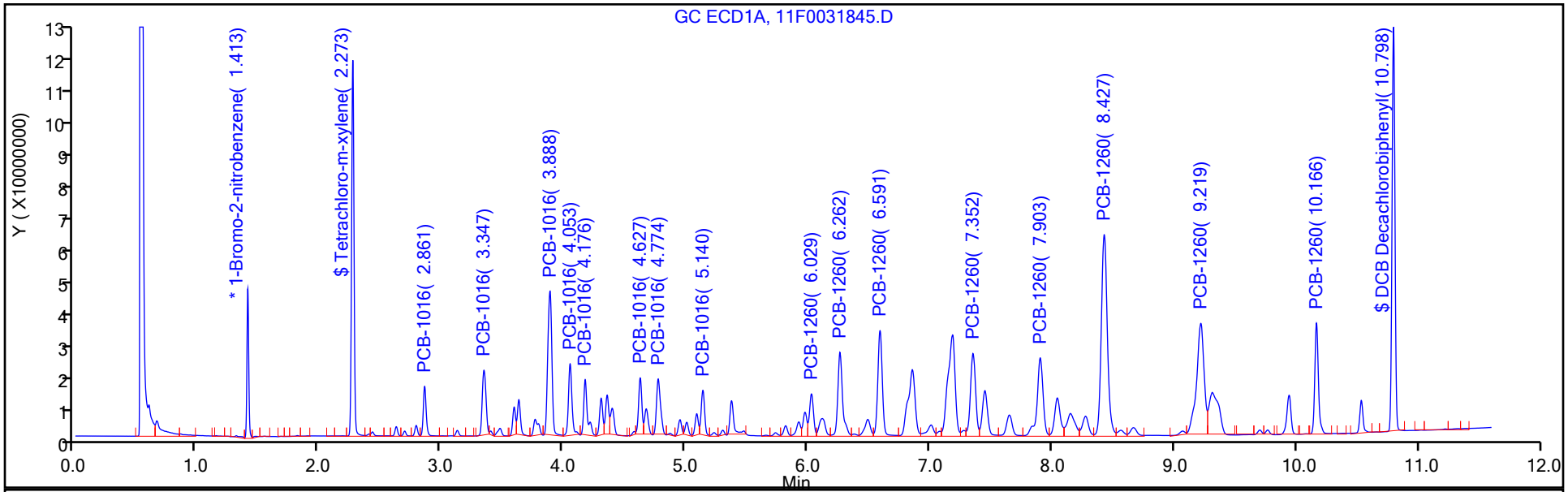
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

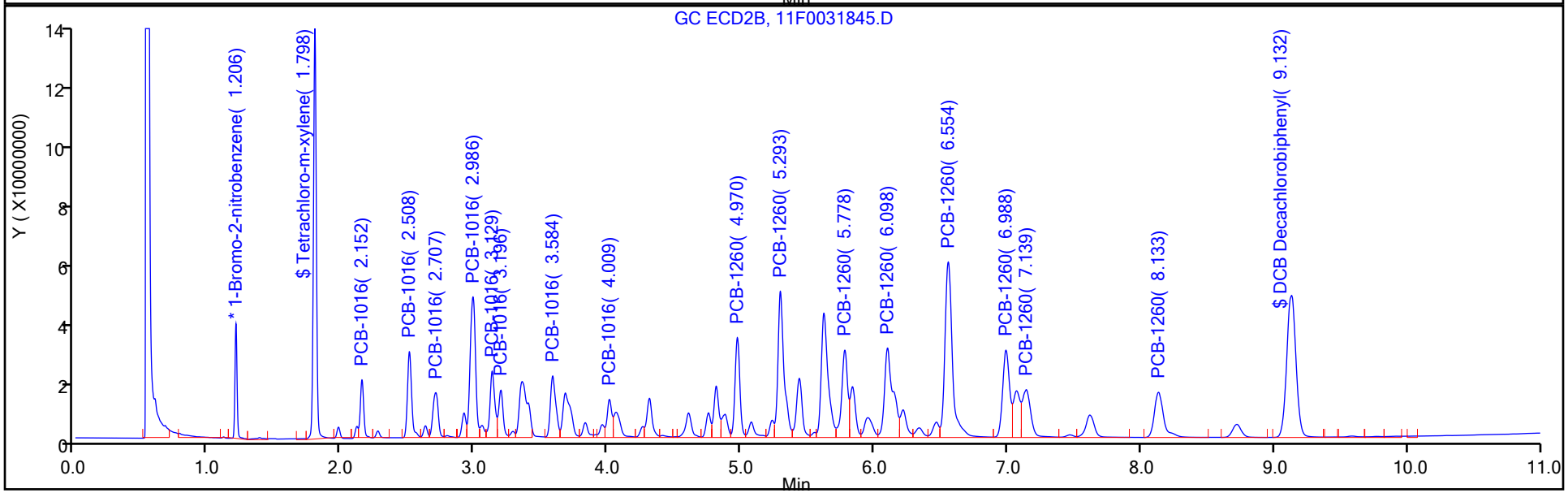
Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date:	22-Mar-2024 08:25:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-965331/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
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Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.1	87.14
$ 11 DCB Decachlorobiphenyl	100.0	87.8	87.79

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.1	89.15
$ 11 DCB Decachlorobiphenyl	100.0	89.9	89.89

Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11

Lims ID: LCS 460-965331/2-A

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

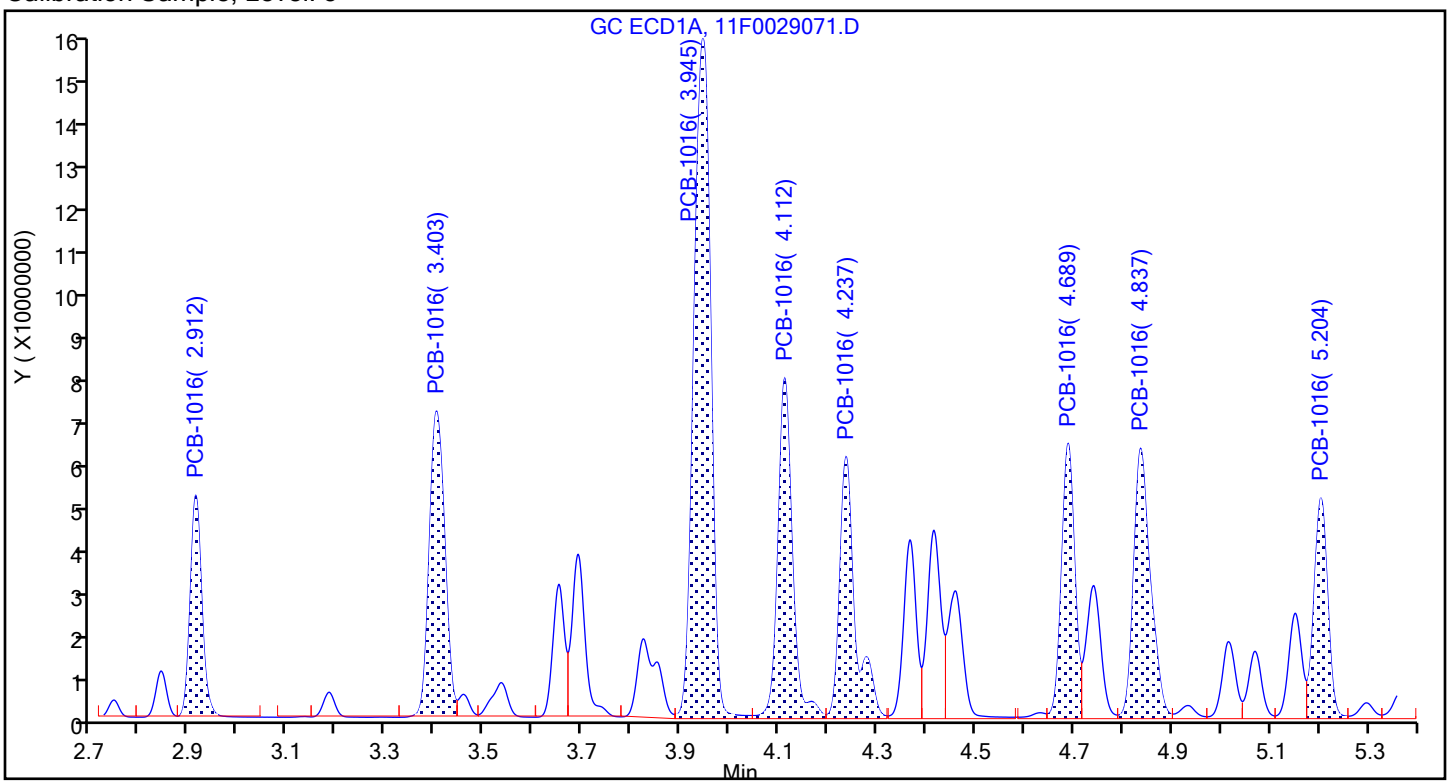
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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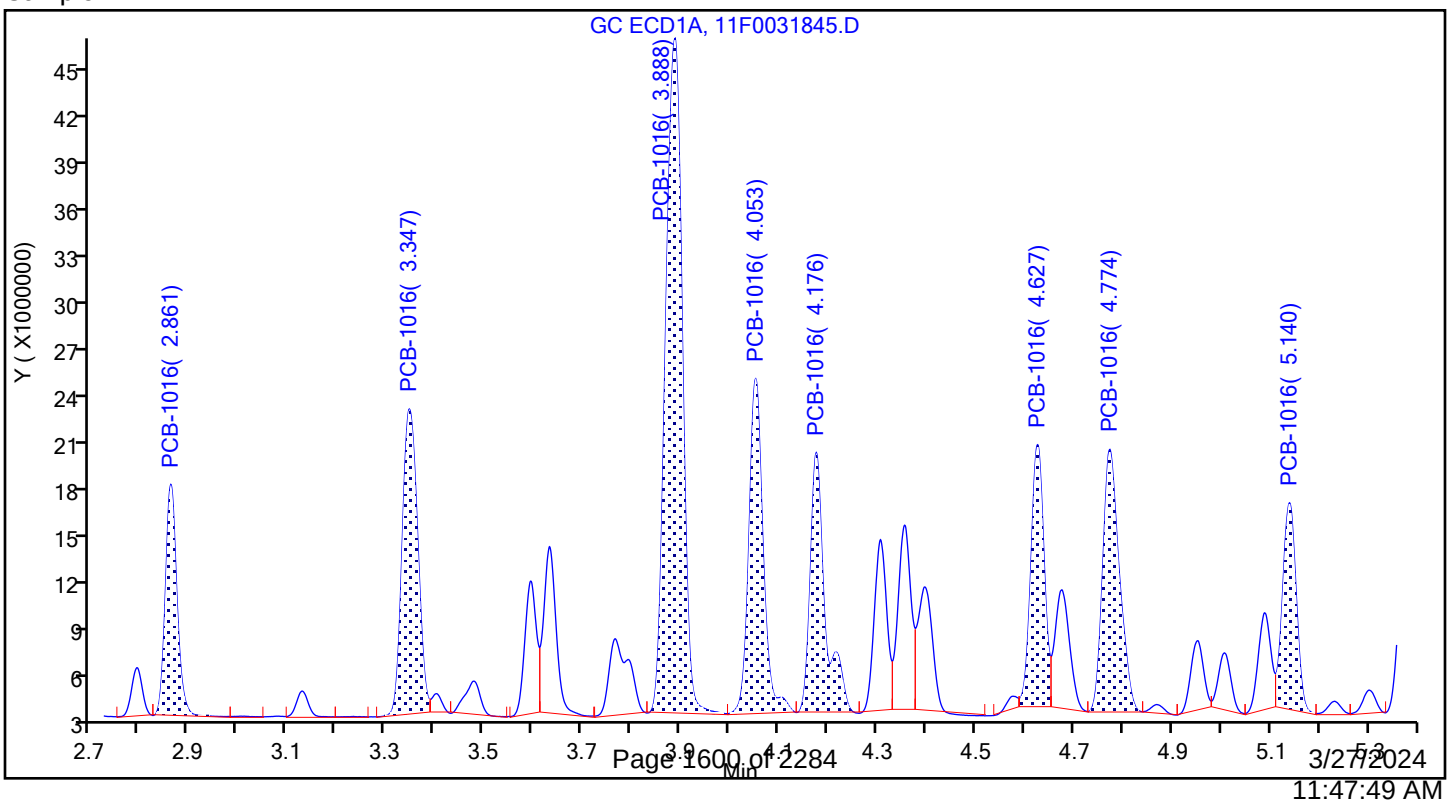


Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11

Lims ID: LCS 460-965331/2-A

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

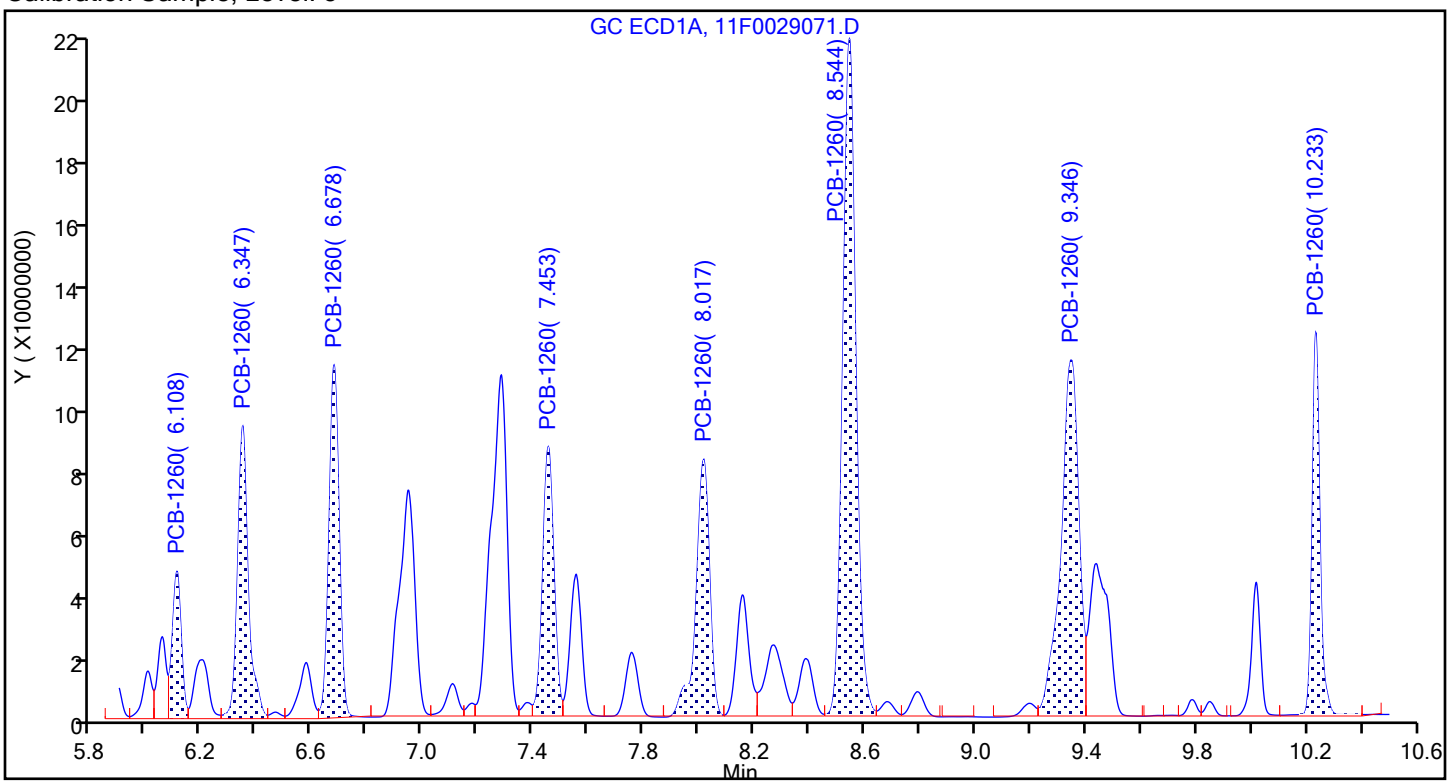
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

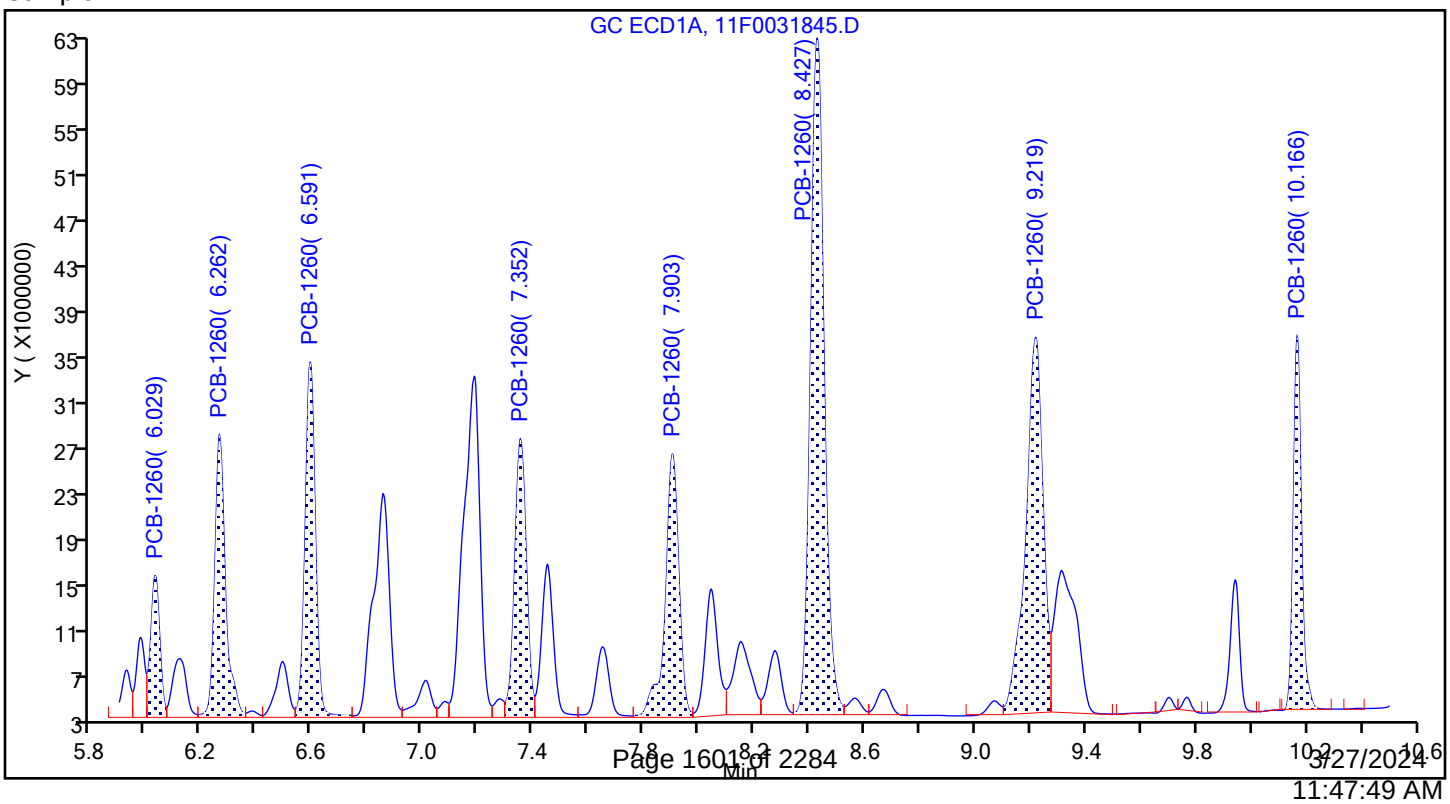
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-965331/2-A

Matrix: Water | Lab File ID: 11F0031845.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:25

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.17		0.40	0.12
11096-82-5	Aroclor 1260	3.17		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	6.34		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	90		10-150
877-09-8	Tetrachloro-m-xylene	89		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.413	1.412	0.001	44566697	20.0	20.0	
2	1.206	1.205	0.001	42664286	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	152469098	100.0	87.1	
2	1.798	1.798	0.000	208024660	100.0	89.1	
						RPD = 2.28	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							M
1	2.861	2.864	-0.003	23694762	1000.0	754.3	
1	3.347	3.350	-0.003	41783573	1000.0	704.6	
1	3.888	3.891	-0.003	99533345	1000.0	742.0	
1	4.053	4.054	-0.001	42251486	1000.0	724.4	
1	4.176	4.180	-0.004	34639603	1000.0	730.1	
1	4.627	4.629	-0.002	30963781	1000.0	729.1	
1	4.774	4.777	-0.003	38553822	1000.0	738.5	
1	5.140	5.143	-0.003	25078242	1000.0	711.1	
		Average of Peak Amounts =				729.3	
2	2.152	2.152	0.000	34969650	1000.0	793.5	
2	2.508	2.508	0.000	62763922	1000.0	782.0	M
2	2.707	2.703	0.004	41432951	1000.0	787.3	M
2	2.986	2.985	0.001	131552637	1000.0	786.5	M
2	3.129	3.129	0.000	55567065	1000.0	789.6	M
2	3.196	3.193	0.003	36750755	1000.0	803.3	M
2	3.584	3.582	0.002	58237768	1000.0	782.2	M
2	4.009	4.010	-0.001	30864808	1000.0	806.7	M
		Average of Peak Amounts =				791.4	
						RPD = 8.17	
8 PCB-1260							
1	6.029	6.033	-0.004	28487830	1000.0	743.2	
1	6.262	6.265	-0.003	66338825	1000.0	739.7	
1	6.591	6.595	-0.004	79502777	1000.0	764.9	
1	7.352	7.358	-0.006	71283799	1000.0	779.6	
1	7.903	7.908	-0.005	77952357	1000.0	755.8	
1	8.427	8.431	-0.004	203211108	1000.0	806.2	
1	9.219	9.223	-0.004	143764012	1000.0	787.8	
1	10.166	10.170	-0.004	67002863	1000.0	788.3	
		Average of Peak Amounts =				770.7	
2	4.970	4.969	0.001	83458304	1000.0	800.9	
2	5.293	5.292	0.001	153096481	1000.0	791.2	
2	5.778	5.777	0.001	89456614	1000.0	783.0	
2	6.098	6.094	0.004	131349876	1000.0	793.1	
2	6.554	6.552	0.002	225860411	1000.0	803.5	
2	6.988	6.984	0.004	105326934	1000.0	792.5	
2	7.139	7.139	0.000	67667904	1000.0	778.4	
2	8.133	8.130	0.003	72620379	1000.0	797.3	
		Average of Peak Amounts =				792.5	
						RPD = 2.79	
$ 11 DCB Decachlorobiphenyl							
1	10.798	10.799	-0.001	197789683	100.0	87.8	
2	9.132	9.128	0.004	228540495	100.0	89.9	
						RPD = 2.36	

QC Flag Legend

Review Flags

M - Manually Integrated

Reagents:

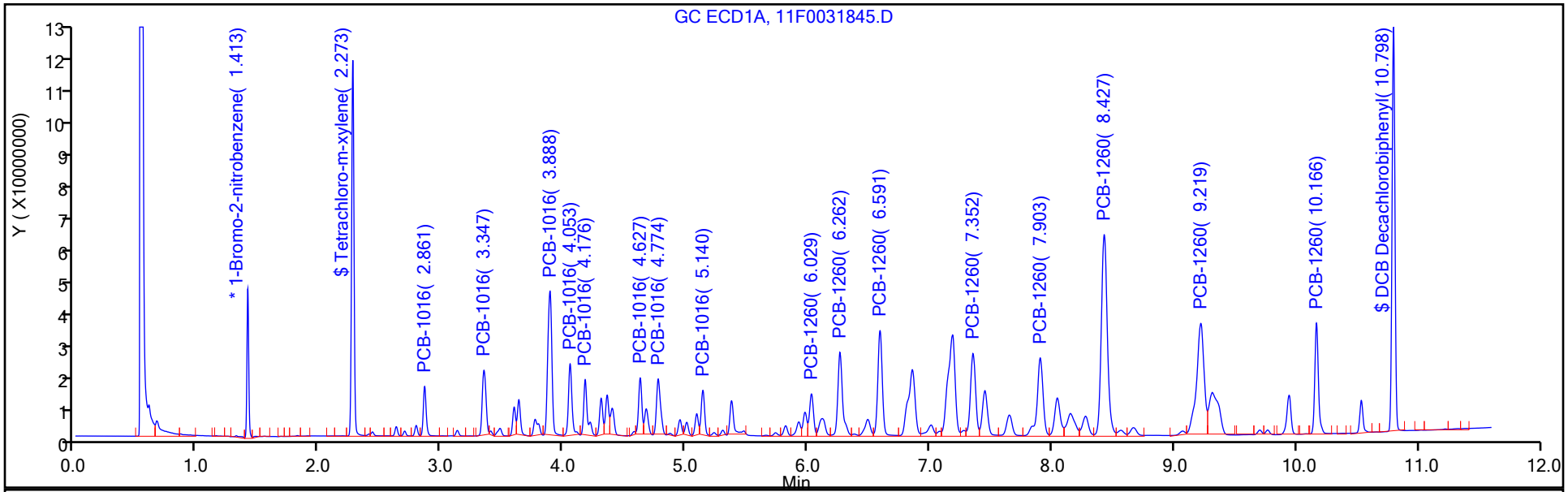
SGPCBISTD_00029	Amount Added: 20.00	Units: uL	Run Reagent

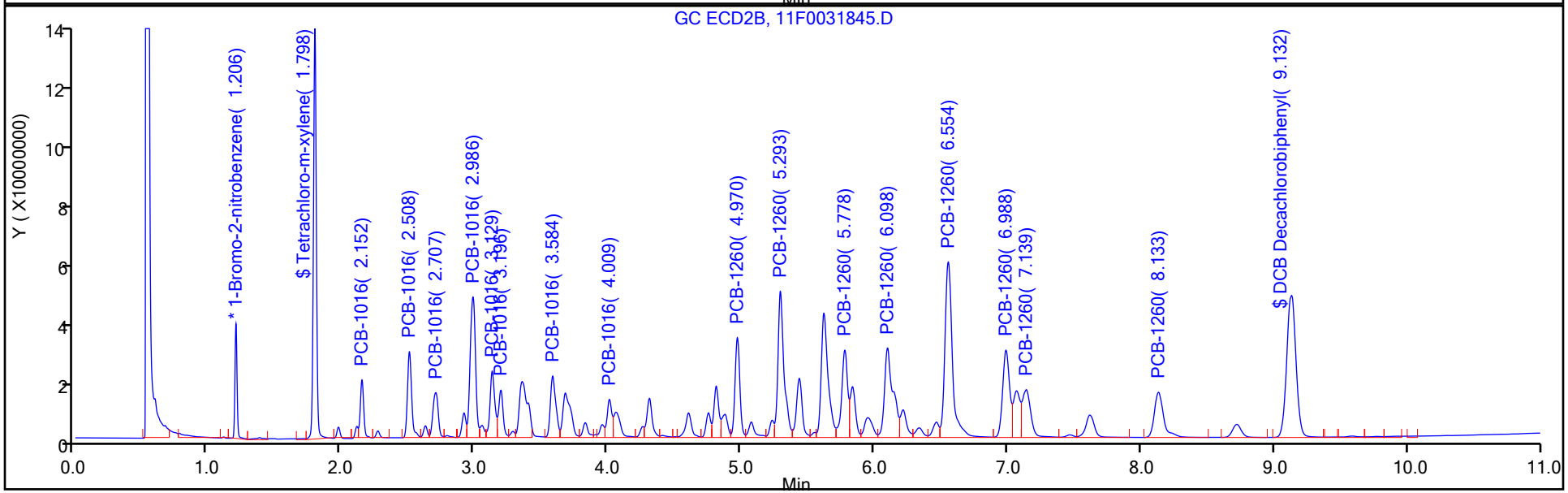
Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date:	22-Mar-2024 08:25:21	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCS 460-965331/2-A			Worklist Smp#:	11
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Lims ID: LCS 460-965331/2-A
Client ID:
Sample Type: LCS
Inject. Date: 22-Mar-2024 08:25:21 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-011
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

First Level Reviewer: OR9X Date: 22-Mar-2024 12:44:01

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	87.1	87.14
$ 11 DCB Decachlorobiphenyl	100.0	87.8	87.79

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	89.1	89.15
$ 11 DCB Decachlorobiphenyl	100.0	89.9	89.89

Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D

Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11

Lims ID: LCS 460-965331/2-A

Client ID:

Operator ID: ALS Bottle#: 11 Worklist Smp#: 11

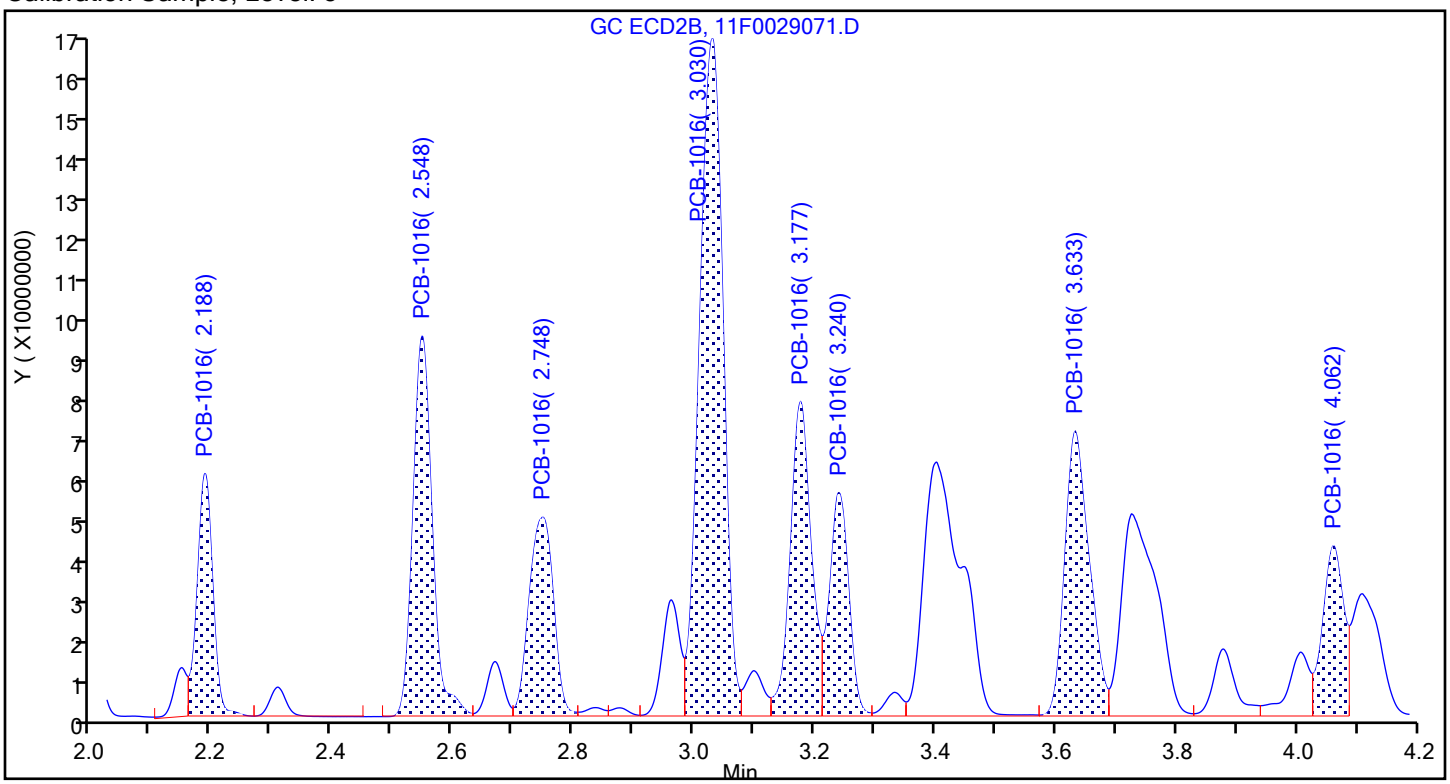
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

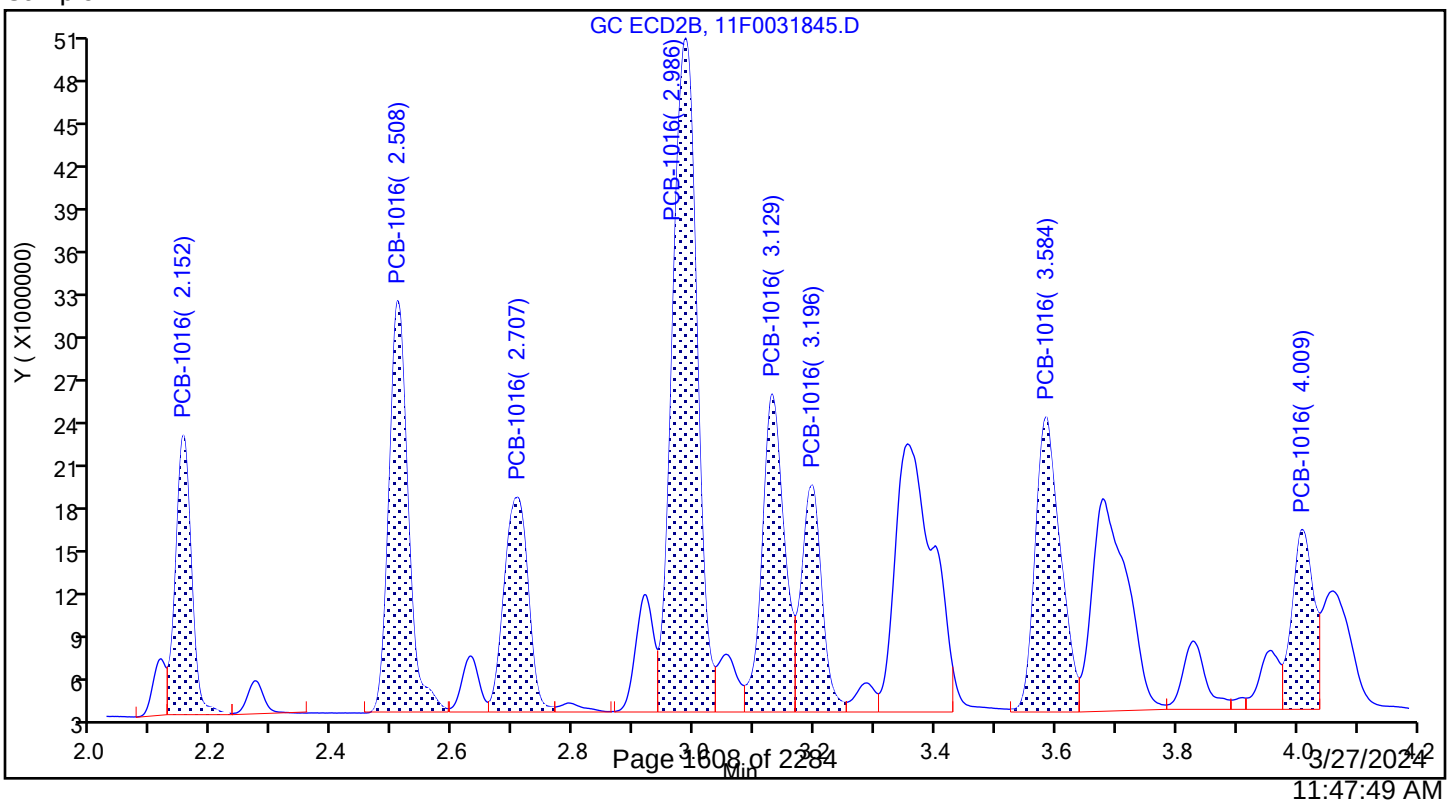
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



Sample



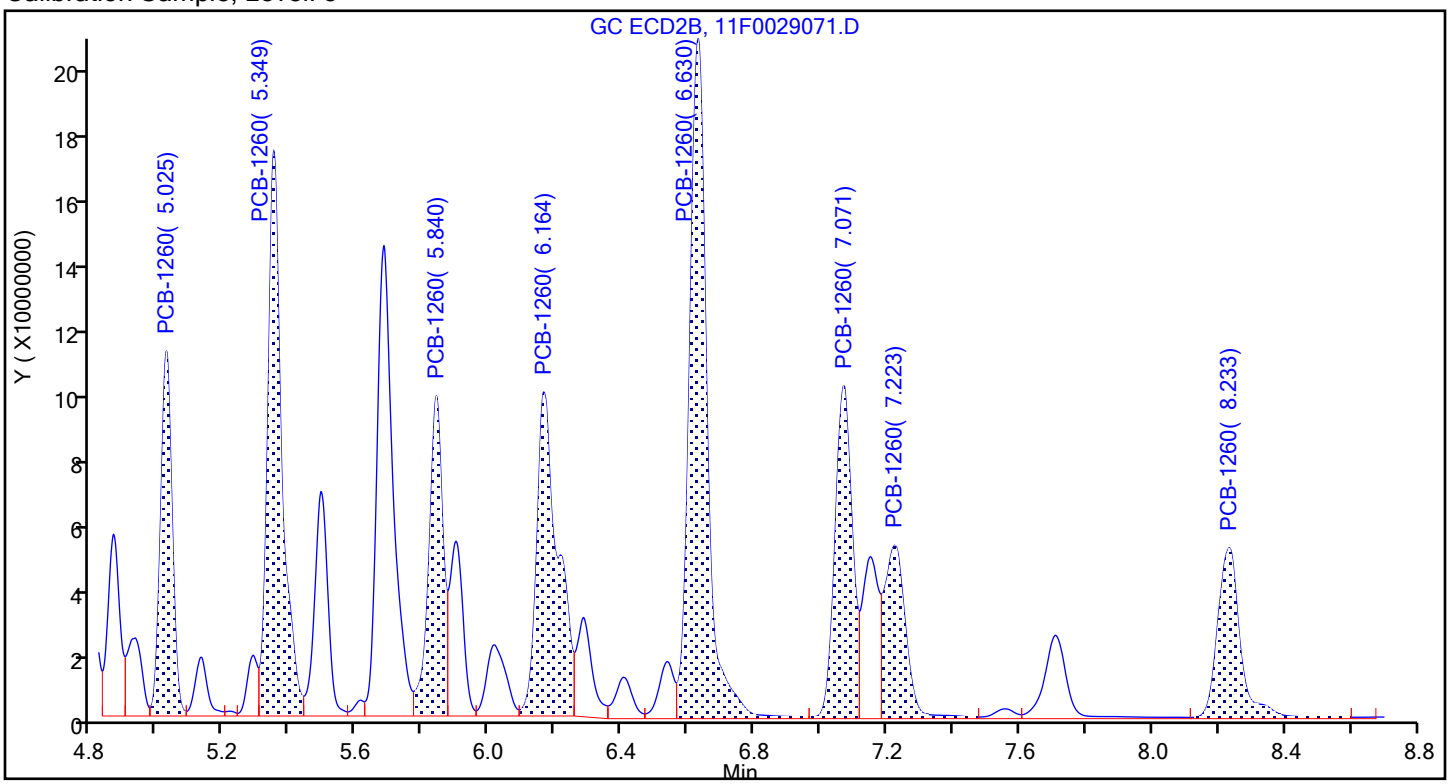
Report Date: 22-Mar-2024 12:45:20 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

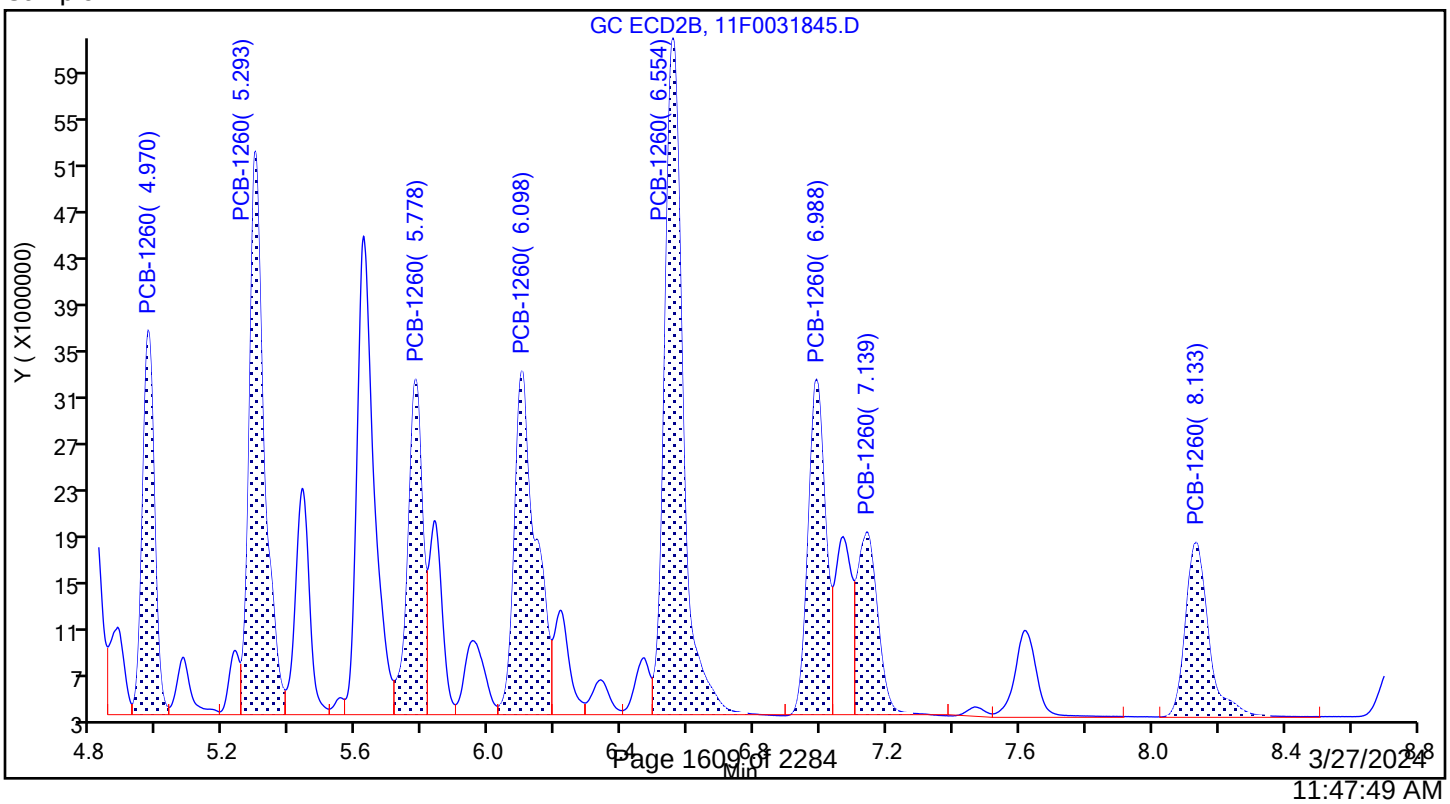
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11
Lims ID: LCS 460-965331/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample

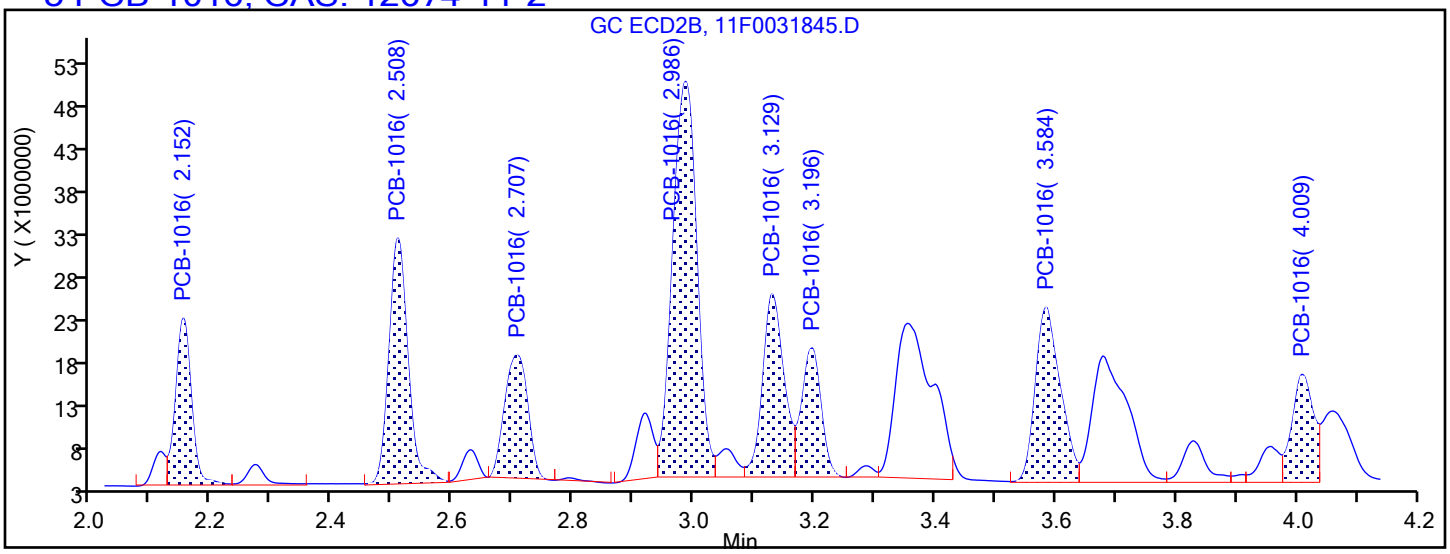


Report Date: 22-Mar-2024 12:45:19 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

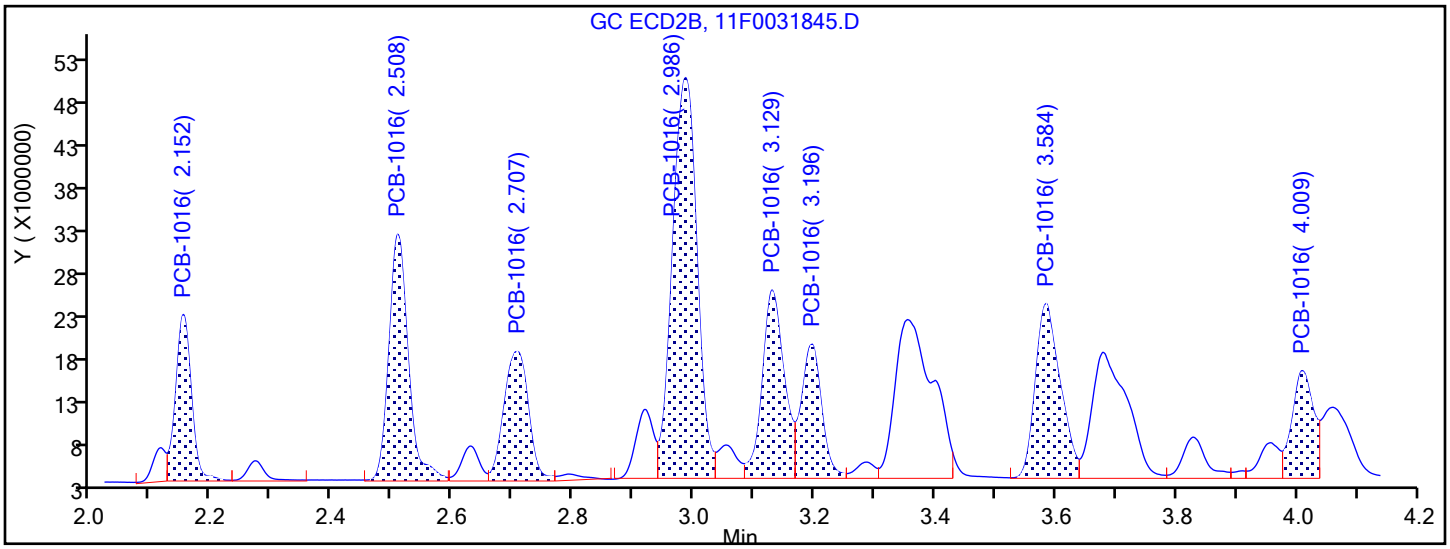
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031845.D
Injection Date: 22-Mar-2024 08:25:21 Instrument ID: CPESTGC11
Lims ID: LCS 460-965331/2-A
Client ID:
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2



Processing Integration Results

2.152	Response = 34969650
2.508	Response = 61637202
2.707	Response = 38067452
2.986	Response = 127074618
3.129	Response = 52006421
3.196	Response = 33473462
3.584	Response = 57503202
4.009	Response = 30706853



Manual Integration Results

2.152	Response = 34969650	
2.508	Response = 62763922	M
2.707	Response = 41432951	M
2.986	Response = 131552637	M
3.129	Response = 55567065	M
3.196	Response = 36750755	M

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965331/3-A

Matrix: Water | Lab File ID: 11F0031846.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP-2 ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	*Aroclor 1016*	*2.99*		*0.40*	*0.12*
11096-82-5	*Aroclor 1260*	*3.14*		*0.40*	*0.11*
1336-36-3	*Polychlorinated biphenyls, Total*	*6.13*		*0.40*	*0.12*

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		10-150
877-09-8	Tetrachloro-m-xylene	81		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Lims ID: LCSD 460-965331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 08:42:02 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-012
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	44363439	20.0	20.0	
2	1.205	1.205	0.000	41324611	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	140773549	100.0	80.8	
2	1.799	1.798	0.001	195250544	100.0	86.4	
						RPD = 6.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.862	2.864	-0.002	23553816	1000.0	753.3	
1	3.347	3.350	-0.003	43869652	1000.0	743.2	
1	3.889	3.891	-0.002	98484165	1000.0	737.5	
1	4.052	4.054	-0.002	42901456	1000.0	738.9	
1	4.177	4.180	-0.003	35326359	1000.0	748.0	
1	4.627	4.629	-0.002	31442635	1000.0	743.8	
1	4.774	4.777	-0.003	39383620	1000.0	757.9	
1	5.140	5.143	-0.003	26374118	1000.0	751.3	
		Average of Peak Amounts =				746.7	
2	2.152	2.152	0.000	35696654	1000.0	836.3	
2	2.508	2.508	0.000	61810869	1000.0	795.1	
2	2.707	2.703	0.004	40724475	1000.0	798.9	
2	2.984	2.985	-0.001	128176038	1000.0	791.2	
2	3.130	3.129	0.001	54134028	1000.0	794.2	
2	3.195	3.193	0.002	35736988	1000.0	806.5	
2	3.583	3.582	0.001	57256203	1000.0	793.9	
2	4.010	4.010	0.000	30232776	1000.0	815.8	
		Average of Peak Amounts =				804.0	
						RPD = 7.39	
8 PCB-1260							
1	6.030	6.033	-0.003	28732673	1000.0	753.0	
1	6.262	6.265	-0.003	66766200	1000.0	747.9	
1	6.590	6.595	-0.005	79427261	1000.0	767.7	
1	7.353	7.358	-0.005	71222185	1000.0	782.5	
1	7.901	7.908	-0.007	79255039	1000.0	771.9	
1	8.425	8.431	-0.006	206380800	1000.0	822.5	
1	9.220	9.223	-0.003	147516479	1000.0	812.0	
1	10.170	10.170	0.000	69415580	1000.0	820.4	
		Average of Peak Amounts =				784.7	
2	4.970	4.969	0.001	81882610	1000.0	811.2	
2	5.294	5.292	0.002	152378077	1000.0	813.1	
2	5.776	5.777	-0.001	87152059	1000.0	787.6	
2	6.096	6.094	0.002	129750203	1000.0	808.9	
2	6.552	6.552	0.000	222470178	1000.0	817.1	
2	6.988	6.984	0.004	101423661	1000.0	787.9	
2	7.138	7.139	-0.001	68837595	1000.0	817.5	
2	8.130	8.130	0.000	72171579	1000.0	818.0	
		Average of Peak Amounts =				807.7	
						RPD = 2.88	
$ 11 DCB Decachlorobiphenyl							
1	10.801	10.799	0.002	192893067	100.0	86.0	
2	9.129	9.128	0.001	216761492	100.0	88.0	
						RPD = 2.31	

Reagents:

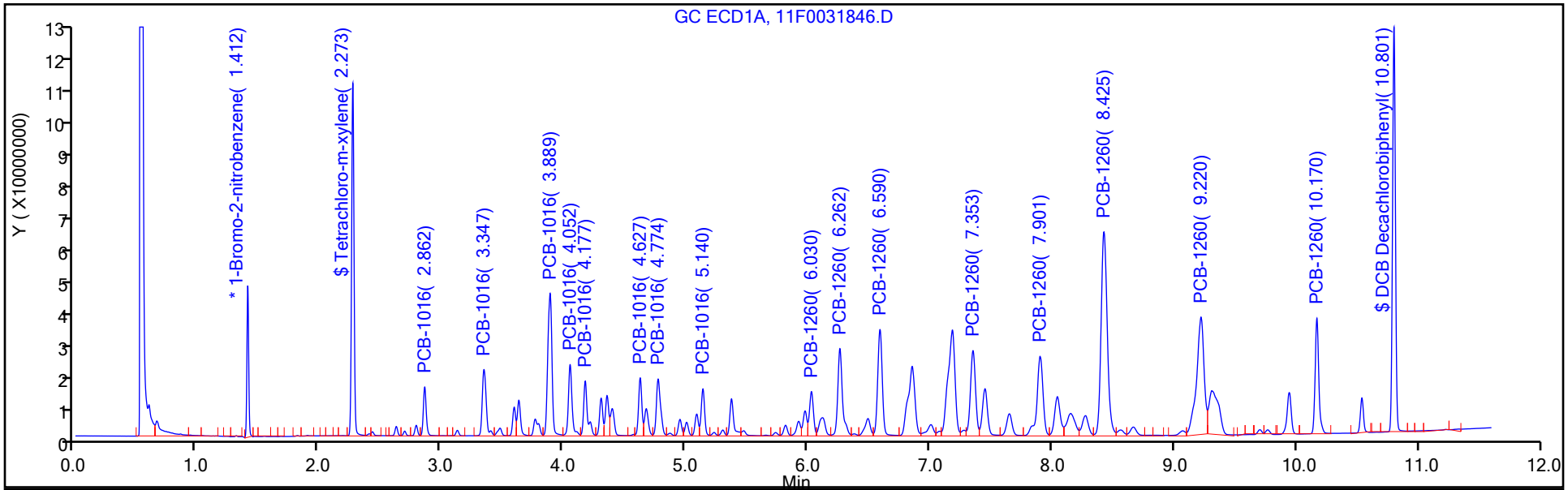
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

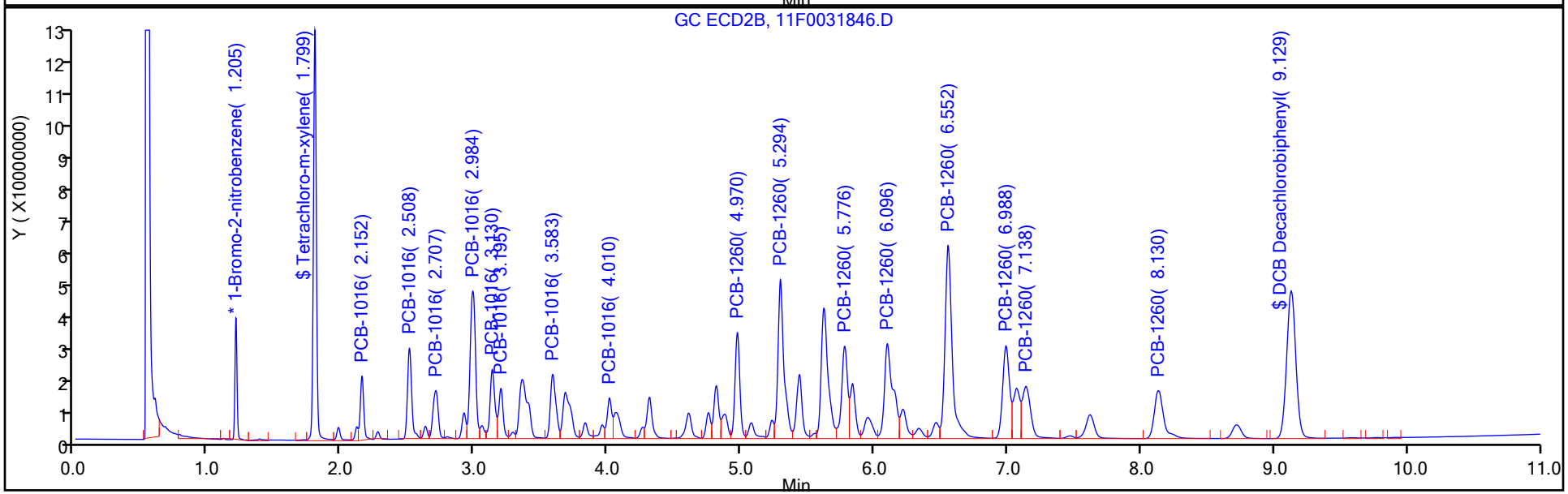
Report Date: 22-Mar-2024 12:45:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date:	22-Mar-2024 08:42:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCSD 460-965331/3-A			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D				
Lims ID:	LCSD 460-965331/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	22-Mar-2024 08:42:02	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-012				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.8	80.83
$ 11 DCB Decachlorobiphenyl	100.0	86.0	86.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	86.4	86.38
$ 11 DCB Decachlorobiphenyl	100.0	88.0	88.02

Report Date: 22-Mar-2024 12:45:21 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11

Lims ID: LCSD 460-965331/3-A

Client ID:

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

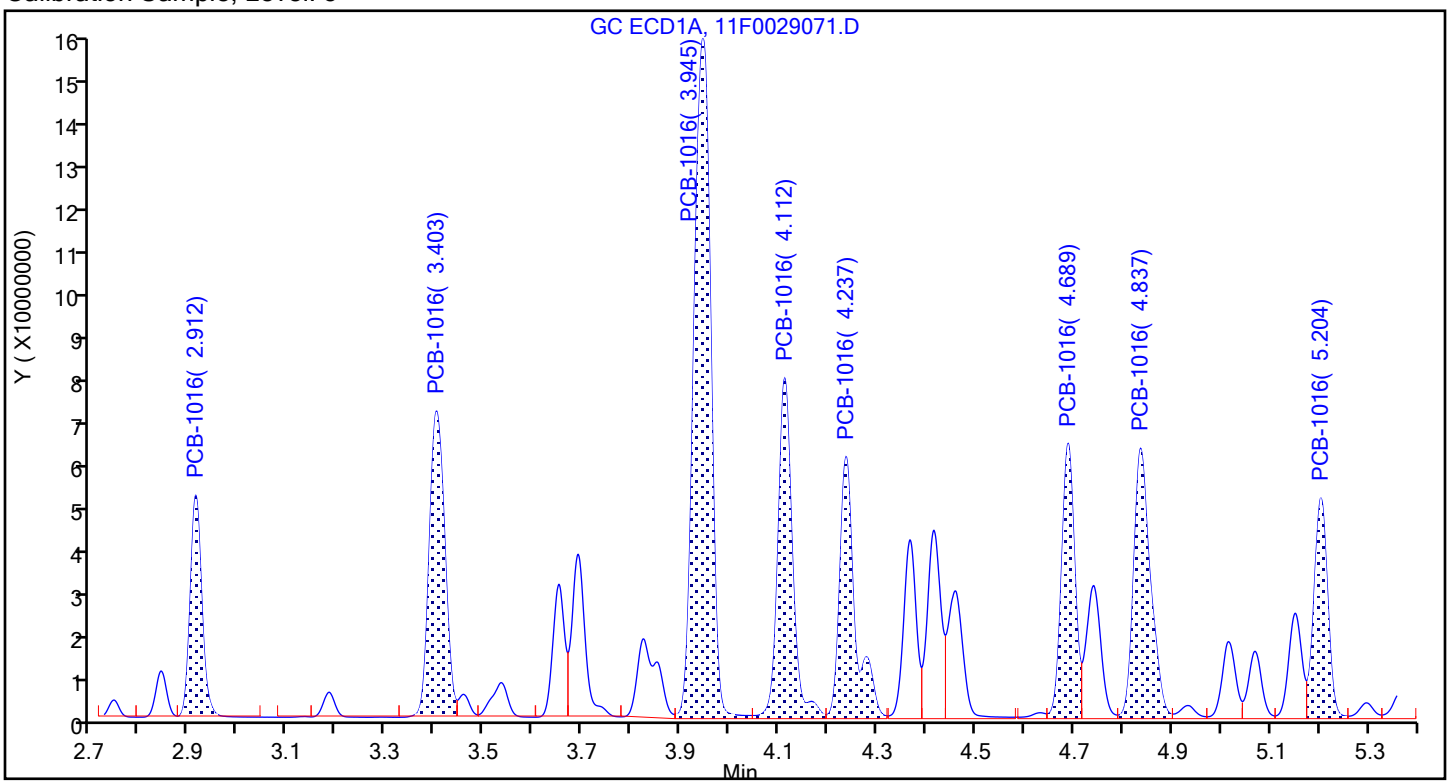
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

Column: Detector GC ECD1A

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



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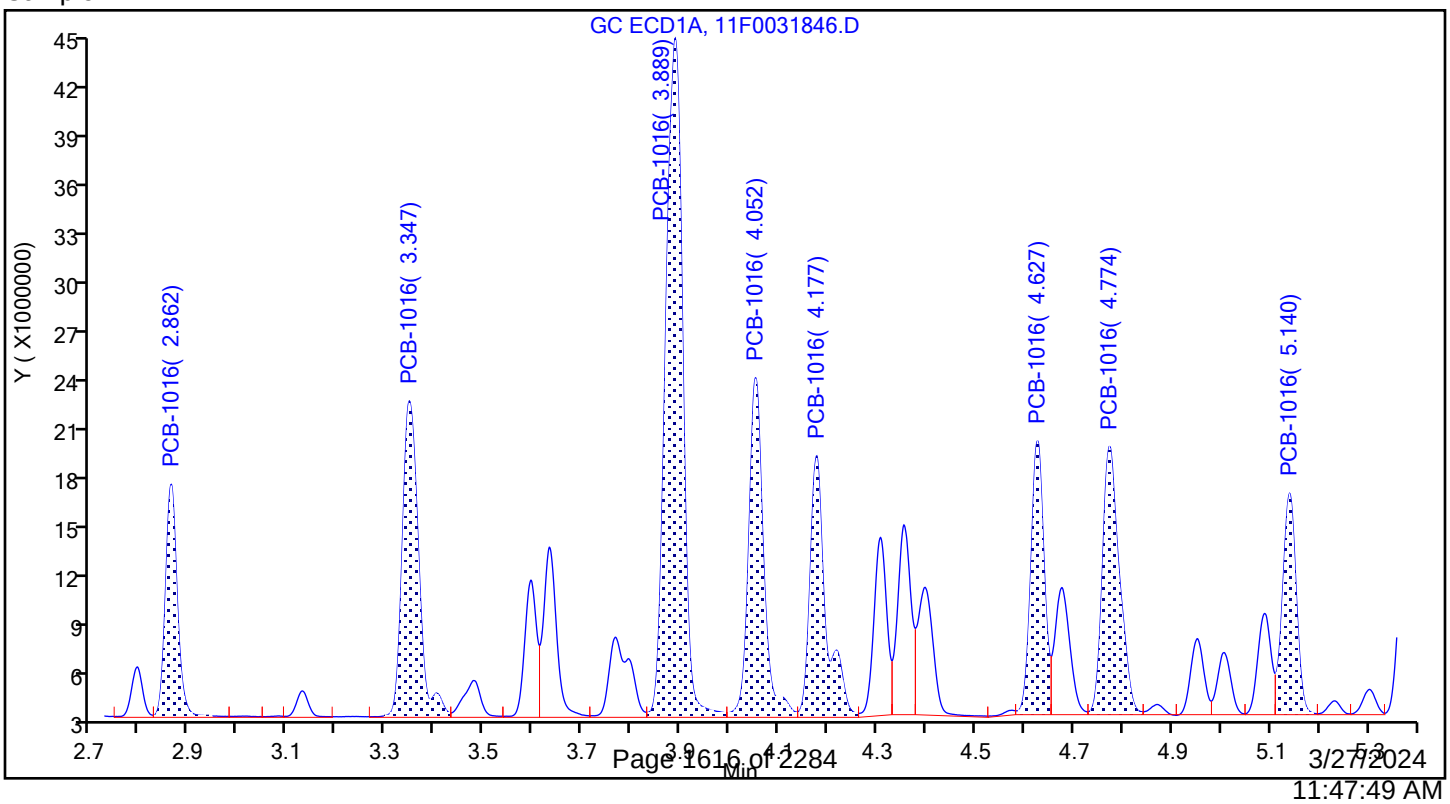


Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11

Lims ID: LCSD 460-965331/3-A

Client ID:

Operator ID: ALS Bottle#: 12 Worklist Smp#: 12

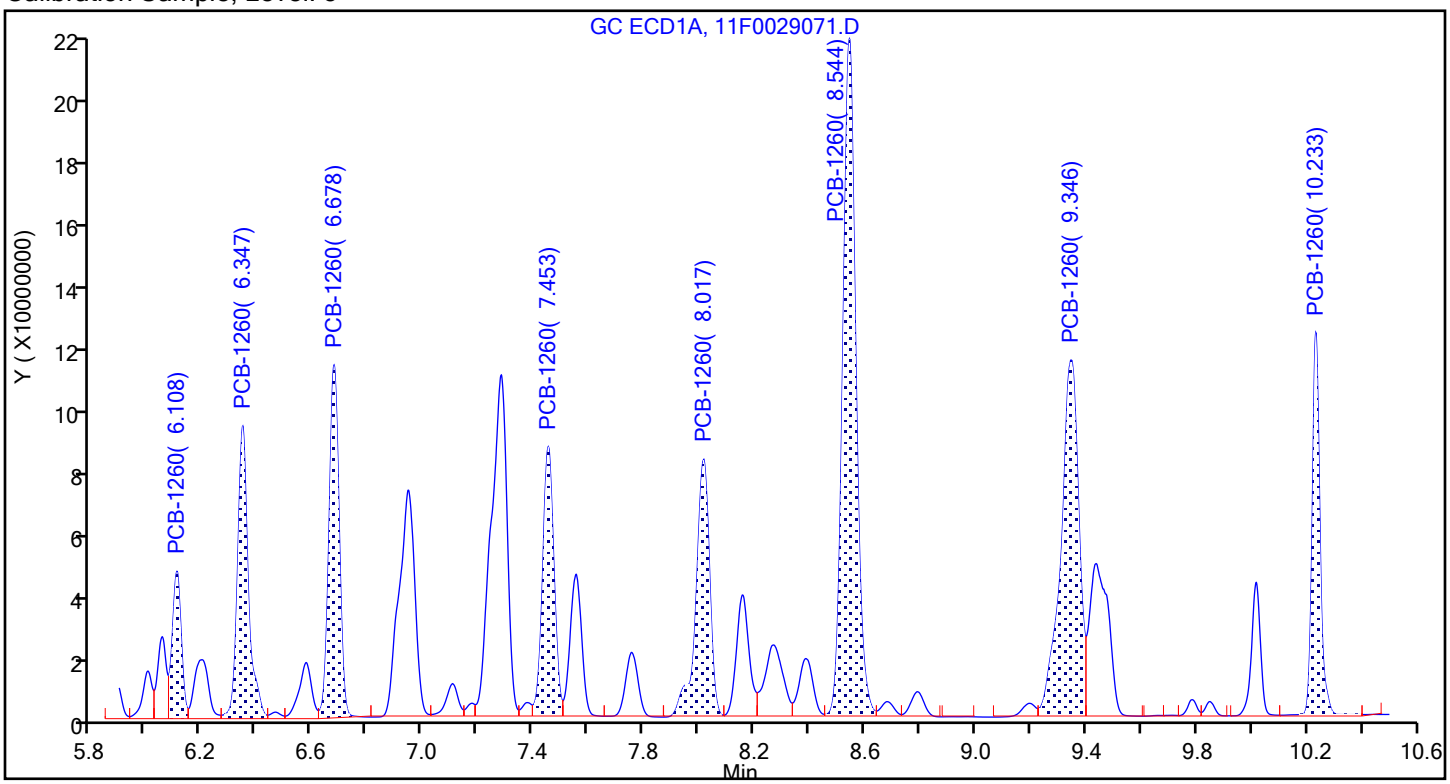
Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD

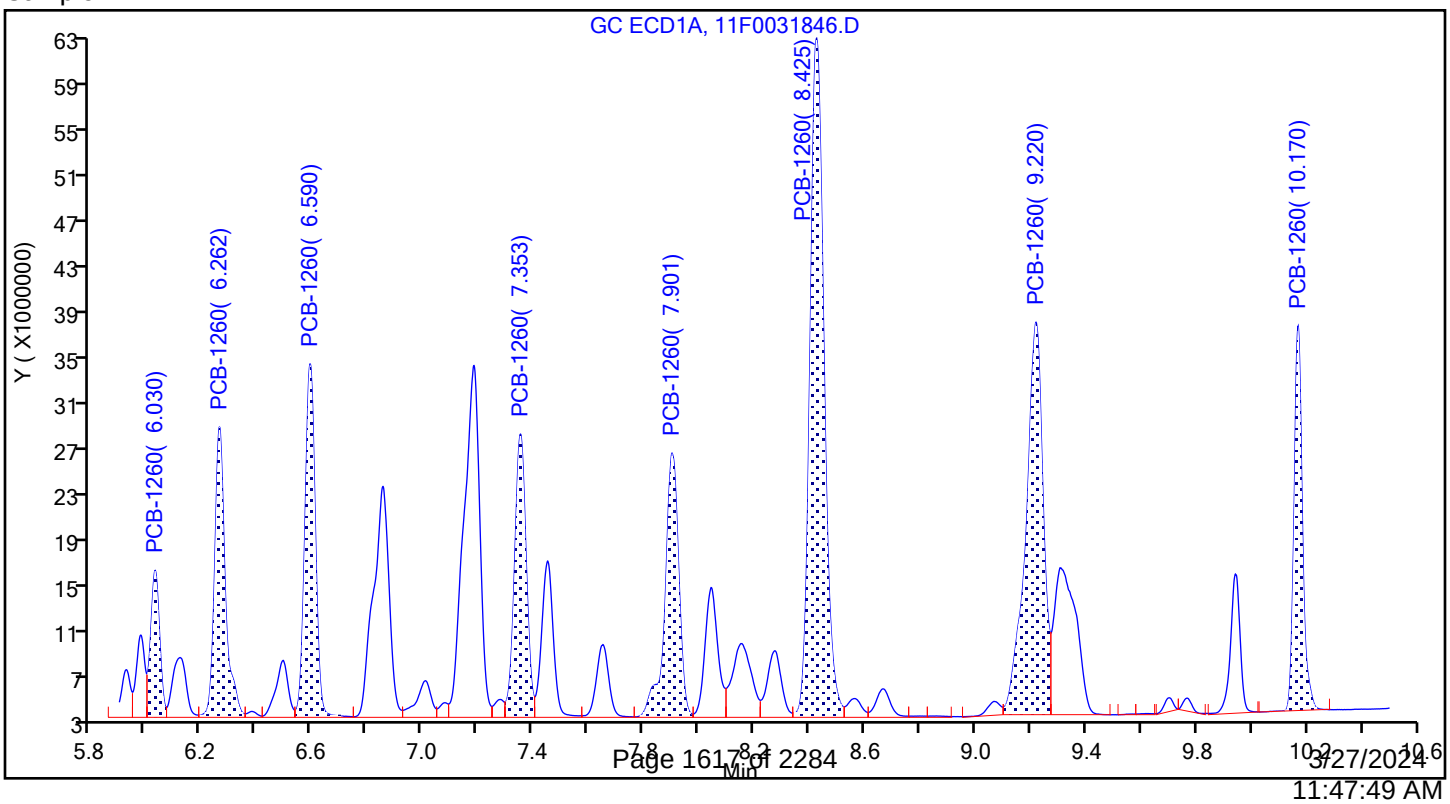
Column: Detector GC ECD1A

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-965331/3-A

Matrix: Water | Lab File ID: 11F0031846.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3510C | Date Extracted: 03/21/2024 20:26

Sample wt/vol: 250(mL) | Date Analyzed: 03/22/2024 08:42

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtx-CLP ID: 0.53(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor:

Analysis Batch No.: 965367 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
12674-11-2	Aroclor 1016	3.22		0.40	0.12
11096-82-5	Aroclor 1260	3.23		0.40	0.11
1336-36-3	Polychlorinated biphenyls, Total	6.45		0.40	0.12

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	88		10-150
877-09-8	Tetrachloro-m-xylene	86		10-147

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Lims ID: LCSD 460-965331/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 22-Mar-2024 08:42:02 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0173672-012
Operator ID: Instrument ID: CPESTGC11

Method: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m
Limit Group: GC 8082A PCB ISTD
Last Update: 22-Mar-2024 12:44:48 Calib Date: 21-Dec-2023 14:03:31
Integrator: Falcon
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D

Column 1 : Det: GC ECD1A
Column 2 : Det: GC ECD2B
Process Host: CTX1606

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 13 1-Bromo-2-nitrobenzene							
1	1.412	1.412	0.000	44363439	20.0	20.0	
2	1.205	1.205	0.000	41324611	20.0	20.0	
						RPD = 0.00	
$ 2 Tetrachloro-m-xylene							
1	2.273	2.274	-0.001	140773549	100.0	80.8	
2	1.799	1.798	0.001	195250544	100.0	86.4	
						RPD = 6.65	

Col	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
5 PCB-1016							
1	2.862	2.864	-0.002	23553816	1000.0	753.3	
1	3.347	3.350	-0.003	43869652	1000.0	743.2	
1	3.889	3.891	-0.002	98484165	1000.0	737.5	
1	4.052	4.054	-0.002	42901456	1000.0	738.9	
1	4.177	4.180	-0.003	35326359	1000.0	748.0	
1	4.627	4.629	-0.002	31442635	1000.0	743.8	
1	4.774	4.777	-0.003	39383620	1000.0	757.9	
1	5.140	5.143	-0.003	26374118	1000.0	751.3	
		Average of Peak Amounts =				746.7	
2	2.152	2.152	0.000	35696654	1000.0	836.3	
2	2.508	2.508	0.000	61810869	1000.0	795.1	
2	2.707	2.703	0.004	40724475	1000.0	798.9	
2	2.984	2.985	-0.001	128176038	1000.0	791.2	
2	3.130	3.129	0.001	54134028	1000.0	794.2	
2	3.195	3.193	0.002	35736988	1000.0	806.5	
2	3.583	3.582	0.001	57256203	1000.0	793.9	
2	4.010	4.010	0.000	30232776	1000.0	815.8	
		Average of Peak Amounts =				804.0	
						RPD = 7.39	
8 PCB-1260							
1	6.030	6.033	-0.003	28732673	1000.0	753.0	
1	6.262	6.265	-0.003	66766200	1000.0	747.9	
1	6.590	6.595	-0.005	79427261	1000.0	767.7	
1	7.353	7.358	-0.005	71222185	1000.0	782.5	
1	7.901	7.908	-0.007	79255039	1000.0	771.9	
1	8.425	8.431	-0.006	206380800	1000.0	822.5	
1	9.220	9.223	-0.003	147516479	1000.0	812.0	
1	10.170	10.170	0.000	69415580	1000.0	820.4	
		Average of Peak Amounts =				784.7	
2	4.970	4.969	0.001	81882610	1000.0	811.2	
2	5.294	5.292	0.002	152378077	1000.0	813.1	
2	5.776	5.777	-0.001	87152059	1000.0	787.6	
2	6.096	6.094	0.002	129750203	1000.0	808.9	
2	6.552	6.552	0.000	222470178	1000.0	817.1	
2	6.988	6.984	0.004	101423661	1000.0	787.9	
2	7.138	7.139	-0.001	68837595	1000.0	817.5	
2	8.130	8.130	0.000	72171579	1000.0	818.0	
		Average of Peak Amounts =				807.7	
						RPD = 2.88	
$ 11 DCB Decachlorobiphenyl							
1	10.801	10.799	0.002	192893067	100.0	86.0	
2	9.129	9.128	0.001	216761492	100.0	88.0	
						RPD = 2.31	

Reagents:

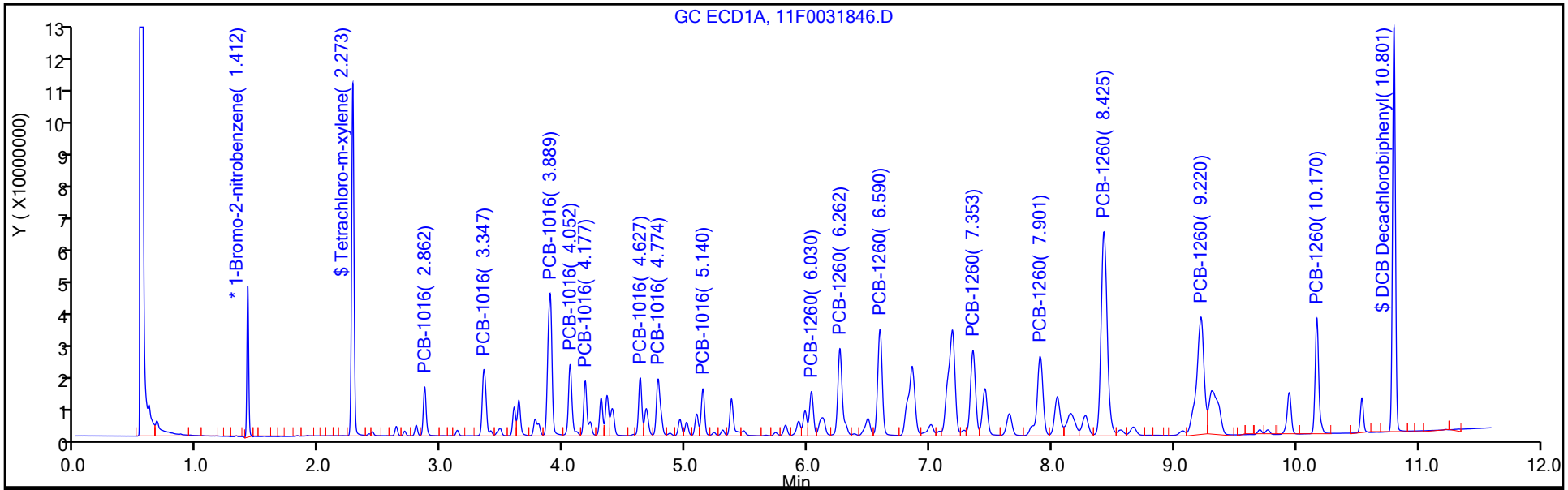
SGPCBISTD_00029 Amount Added: 20.00 Units: uL Run Reagent

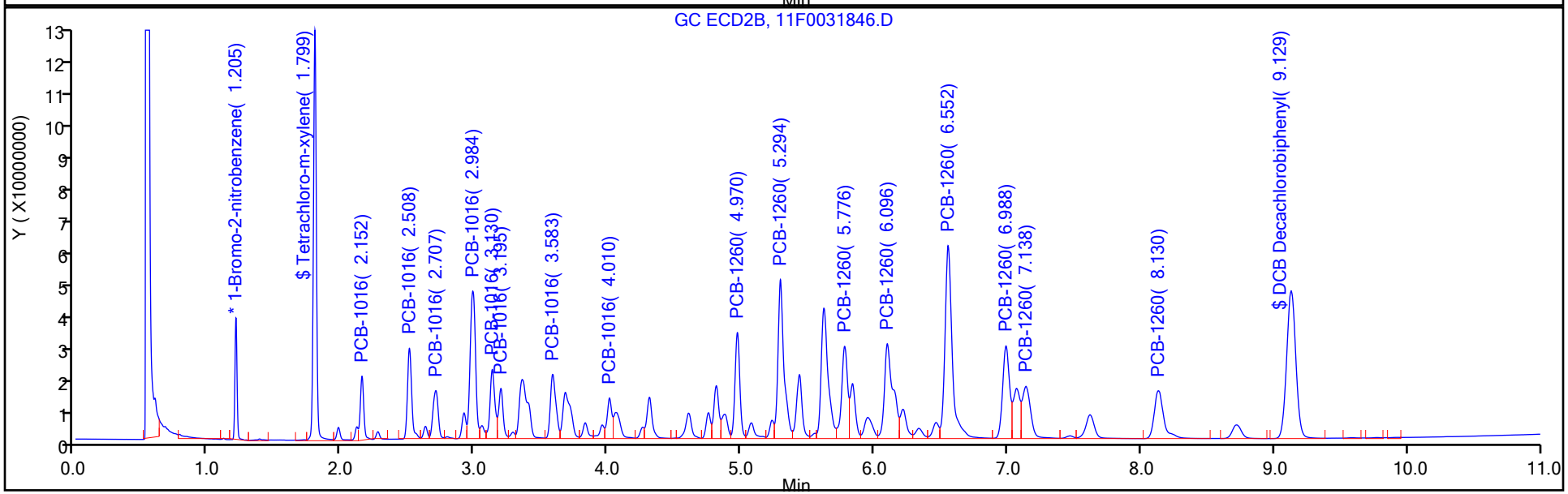
Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D

Injection Date:	22-Mar-2024 08:42:02	Instrument ID:	CPESTGC11	Operator ID:	
Lims ID:	LCSD 460-965331/3-A			Worklist Smp#:	12
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8082 ISTD	Limit Group:	GC 8082A PCB ISTD		





3/27/2024
11:47:49 AM

Eurofins Edison
Recovery Report

Data File:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D				
Lims ID:	LCSD 460-965331/3-A				
Client ID:					
Sample Type:	LCSD				
Inject. Date:	22-Mar-2024 08:42:02	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0173672-012				
Operator ID:		Instrument ID:	CPESTGC11		
Method:	\\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\8082 ISTD.m				
Limit Group:	GC 8082A PCB ISTD				
Last Update:	22-Mar-2024 12:44:48	Calib Date:	21-Dec-2023 14:03:31		
Integrator:	Falcon				
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CPESTGC11\20231221-170506.b\11F0029079.D				
Column 1 :			Det: GC ECD1A		
Column 2 :			Det: GC ECD2B		
Process Host:	CTX1606				

Surrogate Recovery, Detector: GC ECD1A

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	80.8	80.83
$ 11 DCB Decachlorobiphenyl	100.0	86.0	86.01

Surrogate Recovery, Detector: GC ECD2B

Compound	Amount Added	Amount Recovered	% Rec.
$ 2 Tetrachloro-m-xylene	100.0	86.4	86.38
$ 11 DCB Decachlorobiphenyl	100.0	88.0	88.02

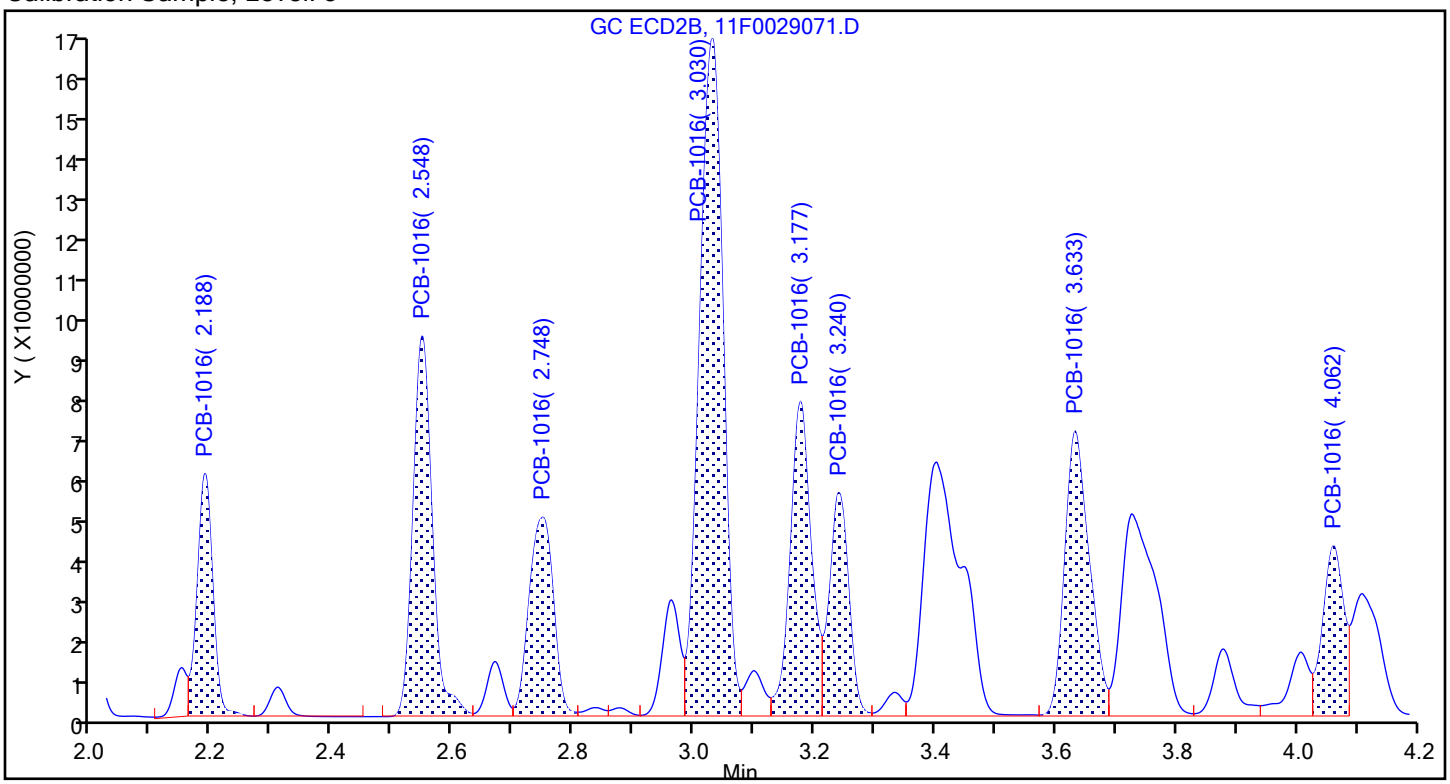
Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

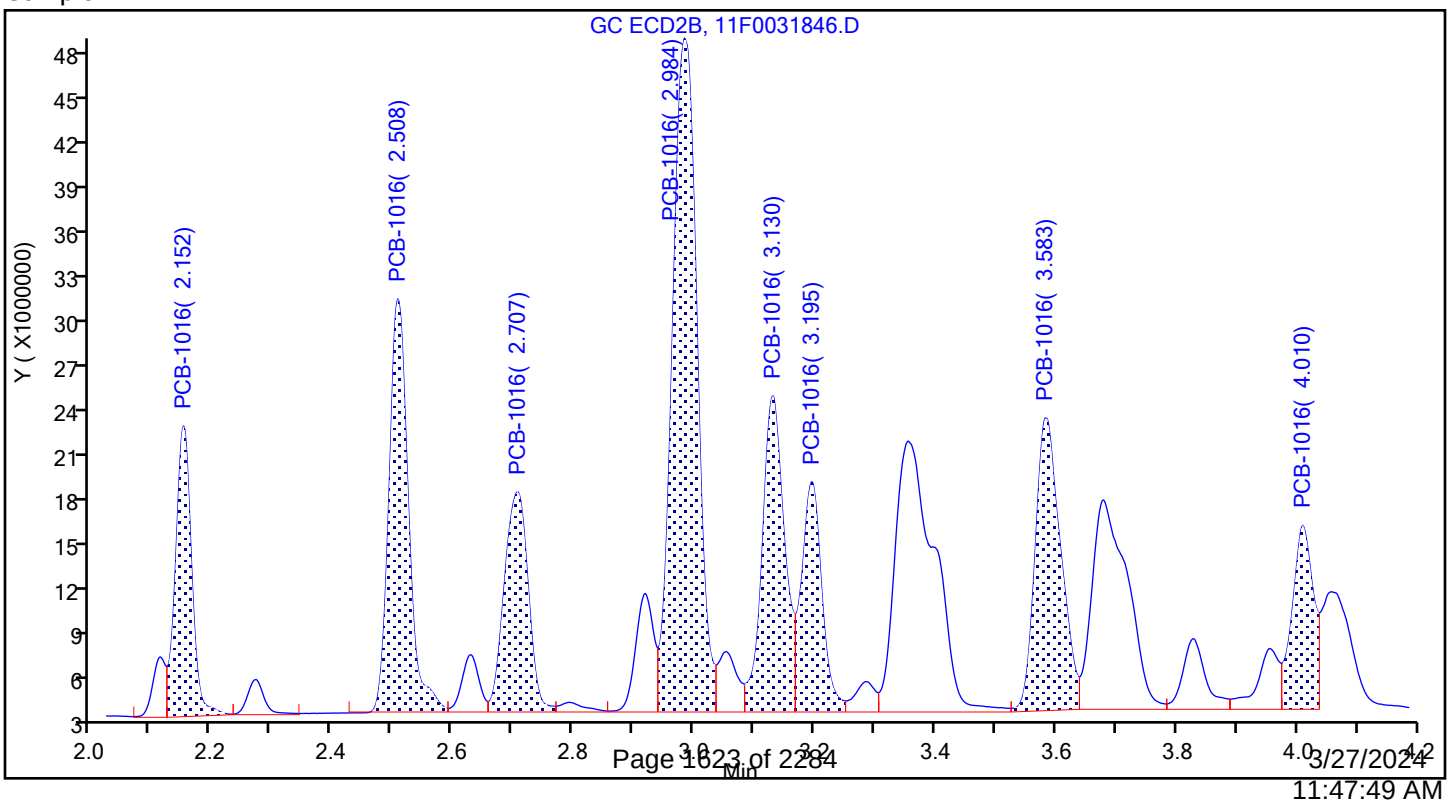
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11
Lims ID: LCSD 460-965331/3-A
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

5 PCB-1016, CAS: 12674-11-2

Calibration Sample, Level: 5



Sample



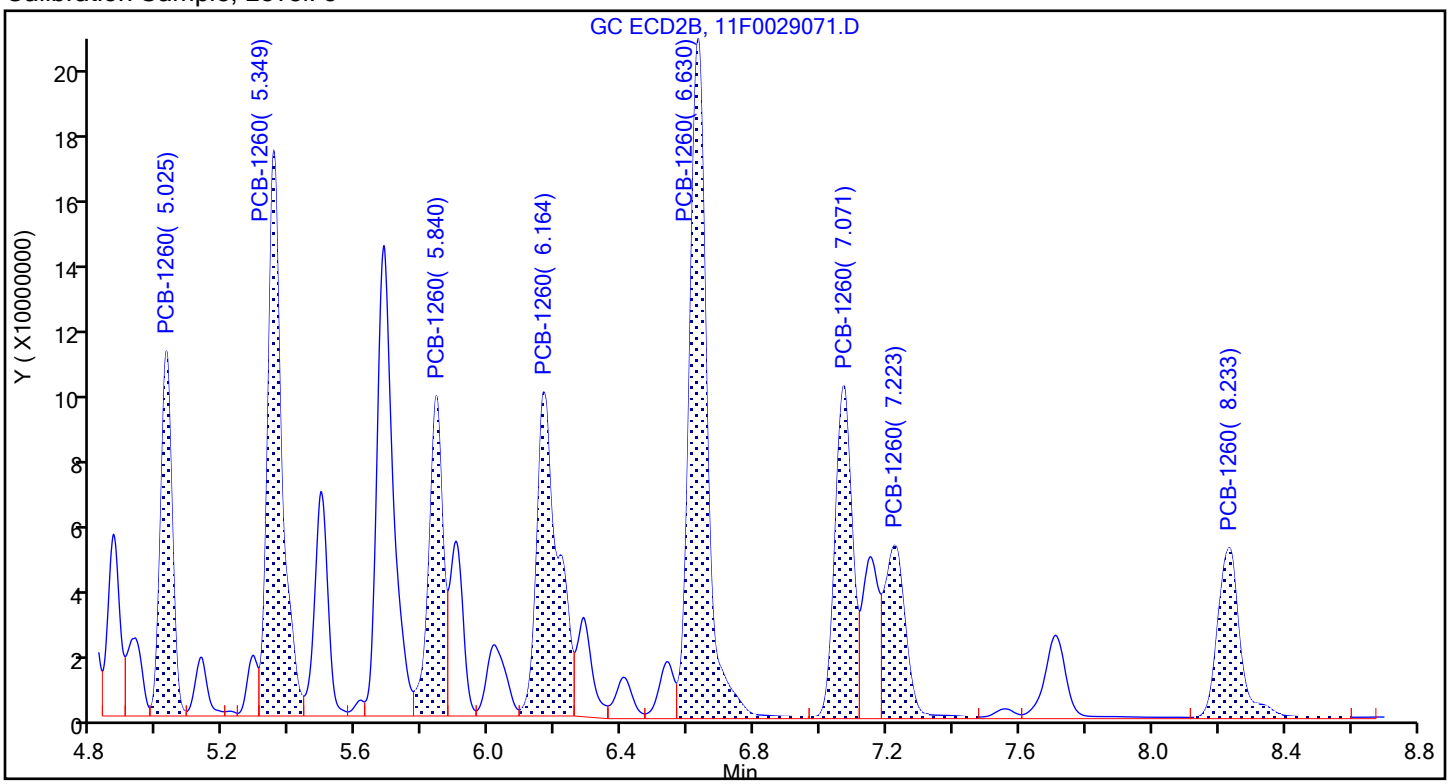
Report Date: 22-Mar-2024 12:45:22 Chrom Revision: 2.3 23-Feb-2024 16:51:14

Eurofins Edison

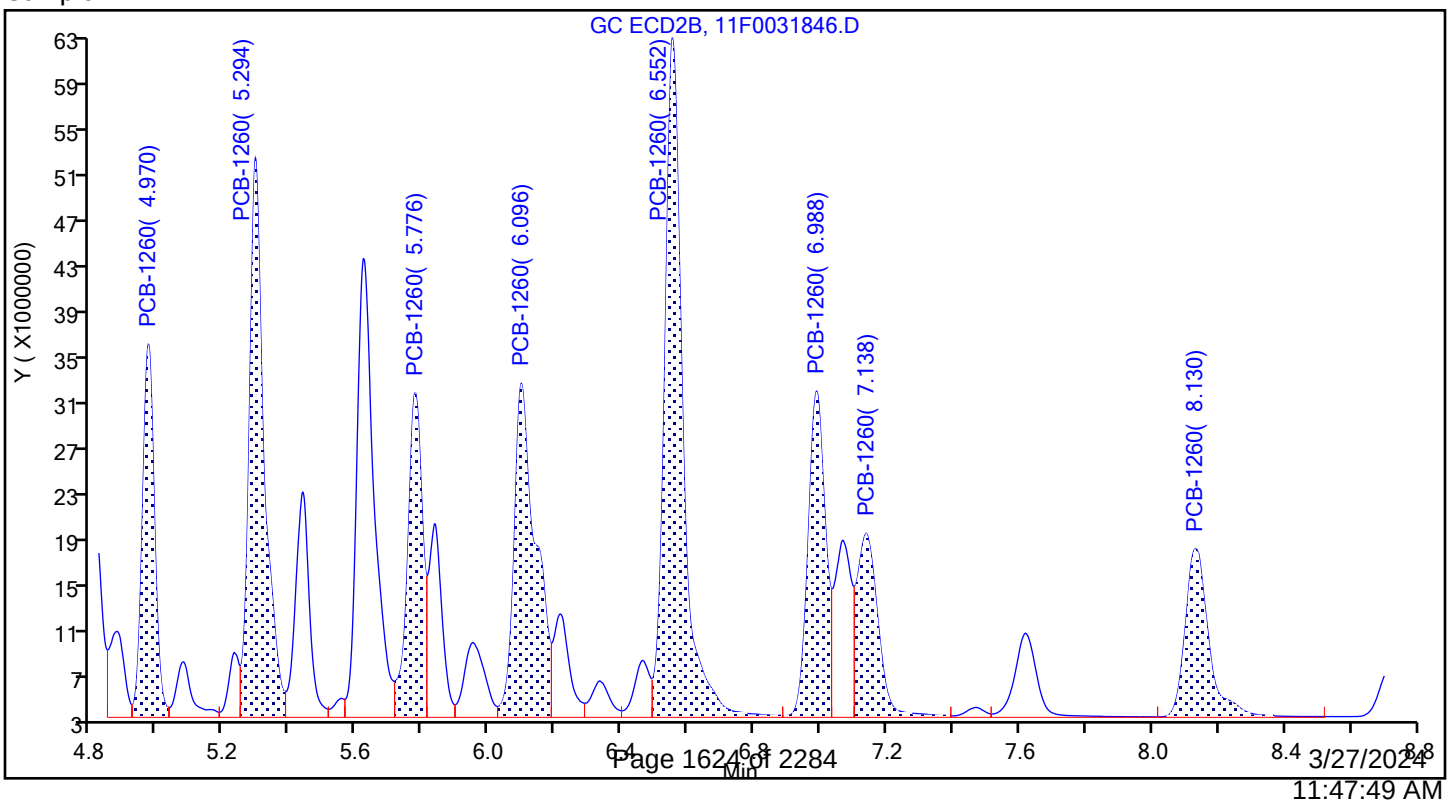
Data File: \\chromfs\Edison\ChromData\CPESTGC11\20240322-173672.b\11F0031846.D
Injection Date: 22-Mar-2024 08:42:02 Instrument ID: CPESTGC11
Lims ID: LCSD 460-965331/3-A
Client ID:
Operator ID: ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8082 ISTD Limit Group: GC 8082A PCB ISTD
Column: Detector GC ECD2B

8 PCB-1260, CAS: 11096-82-5

Calibration Sample, Level: 5



Sample



PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 12/21/2023 10:26

Analysis Batch Number: 951474 End Date: 12/21/2023 14:03

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-951474/1		12/21/2023 10:26	1		CLP-2 0.53(mm)
PIBLK 460-951474/1		12/21/2023 10:26	1		Rtx-CLP 0.53(mm)
IC 460-951474/2		12/21/2023 10:43	1	11F0029067.D	CLP-2 0.53(mm)
IC 460-951474/2		12/21/2023 10:43	1	11F0029067.D	Rtx-CLP 0.53(mm)
IC 460-951474/3		12/21/2023 10:59	1	11F0029068.D	CLP-2 0.53(mm)
IC 460-951474/3		12/21/2023 10:59	1	11F0029068.D	Rtx-CLP 0.53(mm)
IC 460-951474/4 ICIS		12/21/2023 11:16	1	11F0029069.D	CLP-2 0.53(mm)
IC 460-951474/4 ICIS		12/21/2023 11:16	1	11F0029069.D	Rtx-CLP 0.53(mm)
IC 460-951474/5		12/21/2023 11:33	1	11F0029070.D	CLP-2 0.53(mm)
IC 460-951474/5		12/21/2023 11:33	1	11F0029070.D	Rtx-CLP 0.53(mm)
IC 460-951474/6		12/21/2023 11:49	1	11F0029071.D	CLP-2 0.53(mm)
IC 460-951474/6		12/21/2023 11:49	1	11F0029071.D	Rtx-CLP 0.53(mm)
ICV 460-951474/7		12/21/2023 12:06	1	11F0029072.D	CLP-2 0.53(mm)
ICV 460-951474/7		12/21/2023 12:06	1	11F0029072.D	Rtx-CLP 0.53(mm)
IC 460-951474/8		12/21/2023 12:23	1	11F0029073.D	CLP-2 0.53(mm)
IC 460-951474/8		12/21/2023 12:23	1	11F0029073.D	Rtx-CLP 0.53(mm)
IC 460-951474/9		12/21/2023 12:39	1	11F0029074.D	CLP-2 0.53(mm)
IC 460-951474/9		12/21/2023 12:39	1	11F0029074.D	Rtx-CLP 0.53(mm)
IC 460-951474/10		12/21/2023 12:56	1	11F0029075.D	CLP-2 0.53(mm)
IC 460-951474/10		12/21/2023 12:56	1	11F0029075.D	Rtx-CLP 0.53(mm)
IC 460-951474/11		12/21/2023 13:13	1	11F0029076.D	CLP-2 0.53(mm)
IC 460-951474/11		12/21/2023 13:13	1	11F0029076.D	Rtx-CLP 0.53(mm)
IC 460-951474/12		12/21/2023 13:30	1	11F0029077.D	CLP-2 0.53(mm)
IC 460-951474/12		12/21/2023 13:30	1	11F0029077.D	Rtx-CLP 0.53(mm)
IC 460-951474/13		12/21/2023 13:46	1	11F0029078.D	CLP-2 0.53(mm)
IC 460-951474/13		12/21/2023 13:46	1	11F0029078.D	Rtx-CLP 0.53(mm)
IC 460-951474/14		12/21/2023 14:03	1	11F0029079.D	CLP-2 0.53(mm)
IC 460-951474/14		12/21/2023 14:03	1	11F0029079.D	Rtx-CLP 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 03/22/2024 05:38

Analysis Batch Number: 965367 End Date: 03/22/2024 17:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PIBLK 460-965367/1		03/22/2024 05:38	1	11F0031835.D	CLP-2 0.53(mm)
PIBLK 460-965367/1		03/22/2024 05:38	1	11F0031835.D	Rtx-CLP 0.53(mm)
CCVIS 460-965367/2		03/22/2024 05:54	1	11F0031836.D	CLP-2 0.53(mm)
CCVIS 460-965367/2		03/22/2024 05:54	1	11F0031836.D	Rtx-CLP 0.53(mm)
CCV 460-965367/3		03/22/2024 06:11	1		CLP-2 0.53(mm)
CCV 460-965367/3		03/22/2024 06:11	1		Rtx-CLP 0.53(mm)
CCV 460-965367/4		03/22/2024 06:28	1		CLP-2 0.53(mm)
CCV 460-965367/4		03/22/2024 06:28	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 06:45	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 06:45	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:01	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:01	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:18	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:18	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:35	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:35	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 07:51	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 07:51	1		Rtx-CLP 0.53(mm)
MB 460-965331/1-A		03/22/2024 08:08	1	11F0031844.D	CLP-2 0.53(mm)
MB 460-965331/1-A		03/22/2024 08:08	1	11F0031844.D	Rtx-CLP 0.53(mm)
LCS 460-965331/2-A		03/22/2024 08:25	1	11F0031845.D	CLP-2 0.53(mm)
LCS 460-965331/2-A		03/22/2024 08:25	1	11F0031845.D	Rtx-CLP 0.53(mm)
LCSD 460-965331/3-A		03/22/2024 08:42	1	11F0031846.D	CLP-2 0.53(mm)
LCSD 460-965331/3-A		03/22/2024 08:42	1	11F0031846.D	Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 08:58	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 08:58	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:15	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:15	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:32	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:32	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 09:48	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 09:48	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:05	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:05	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:22	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:22	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:39	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:39	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 10:55	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 10:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 11:12	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 11:12	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 11:35	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 11:35	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:01	100		CLP-2 0.53(mm)

PCBS ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: CPESTGC11 Start Date: 03/22/2024 05:38

Analysis Batch Number: 965367 End Date: 03/22/2024 17:24

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		03/22/2024 12:01	100		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:17	500		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:17	500		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:34	100		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:34	100		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 12:51	200		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 12:51	200		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 13:08	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 13:08	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 13:24	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 13:24	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 13:41	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 13:41	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 13:58	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 13:58	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 14:14	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 14:14	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 14:31	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 14:31	1		Rtx-CLP 0.53(mm)
460-300430-1	MW-18R	03/22/2024 14:48	1	11F0031867.D	CLP-2 0.53(mm)
460-300430-1	MW-18R	03/22/2024 14:48	1	11F0031867.D	Rtx-CLP 0.53(mm)
460-300430-2	MW-15	03/22/2024 15:05	1	11F0031868.D	CLP-2 0.53(mm)
460-300430-2	MW-15	03/22/2024 15:05	1	11F0031868.D	Rtx-CLP 0.53(mm)
460-300430-3	MW-13	03/22/2024 15:22	1	11F0031869.D	CLP-2 0.53(mm)
460-300430-3	MW-13	03/22/2024 15:22	1	11F0031869.D	Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:38	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:38	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 15:55	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 15:55	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:12	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:12	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:28	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:28	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 16:51	2		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 16:51	2		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 17:08	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 17:08	1		Rtx-CLP 0.53(mm)
ZZZZZ		03/22/2024 17:24	1		CLP-2 0.53(mm)
ZZZZZ		03/22/2024 17:24	1		Rtx-CLP 0.53(mm)

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 951474 Batch Start Date: 12/21/23 10:26 Batch Analyst: Patel, Jignesh

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SG1221L4 00034	SG1232L4 00036	SG1242L4 00036	SG1248L4 00035	SG1254L4 00035
IC 460-951474/2		8082A			1 mL					
IC 460-951474/3		8082A			1 mL					
IC 460-951474/4 ICIS		8082A			1 mL					
IC 460-951474/5		8082A			1 mL					
IC 460-951474/6		8082A			1 mL					
ICV 460-951474/7		8082A			1 mL					
IC 460-951474/8		8082A			1 mL	1 mL				
IC 460-951474/9		8082A			1 mL		1 mL			
IC 460-951474/10		8082A			1 mL			1 mL		
IC 460-951474/11		8082A			1 mL				1 mL	
IC 460-951474/12		8082A			1 mL					1 mL
IC 460-951474/13		8082A			1 mL					
IC 460-951474/14		8082A			1 mL					

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1260ResPCB 00002	SG1262L4 00035	SG1268L4 00035	SG1660L1 00027	SG1660L2 00036	SG1660L3 00043
IC 460-951474/2		8082A						1 mL		
IC 460-951474/3		8082A							1 mL	
IC 460-951474/4 ICIS		8082A			1 mL					1 mL
IC 460-951474/5		8082A								
IC 460-951474/6		8082A								
ICV 460-951474/7		8082A								
IC 460-951474/8		8082A								
IC 460-951474/9		8082A								
IC 460-951474/10		8082A								
IC 460-951474/11		8082A								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 951474 Batch Start Date: 12/21/23 10:26 Batch Analyst: Patel, Jignesh

Batch Method: 8082A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1260ResPCB 00002	SG1262L4 00035	SG1268L4 00035	SG1660L1 00027	SG1660L2 00036	SG1660L3 00043
IC 460-951474/12		8082A								
IC 460-951474/13		8082A				1 mL				
IC 460-951474/14		8082A					1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SG1660L4 00035	SG1660L5 00035	SGPCBICV 00032	SGPCBISTD 00029		
IC 460-951474/2		8082A						20 uL		
IC 460-951474/3		8082A						20 uL		
IC 460-951474/4 ICIS		8082A						20 uL		
IC 460-951474/5		8082A			1 mL			20 uL		
IC 460-951474/6		8082A				1 mL		20 uL		
ICV 460-951474/7		8082A					1 mL	20 uL		
IC 460-951474/8		8082A						20 uL		
IC 460-951474/9		8082A						20 uL		
IC 460-951474/10		8082A						20 uL		
IC 460-951474/11		8082A						20 uL		
IC 460-951474/12		8082A						20 uL		
IC 460-951474/13		8082A						20 uL		
IC 460-951474/14		8082A						20 uL		

Batch Notes	

Basis	Basis Description

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

PCBS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965331 Batch Start Date: 03/21/24 20:25 Batch Analyst: Silva, Jose

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ReceivedpH	OP_PCB SP_LVI 00018	OPPSPCBSU_LVI 00022	AnalysisComment
MB 460-965331/1		3510C, 8082A			250 mL	1 mL	7 SU		50 uL	
LCS 460-965331/2		3510C, 8082A			250 mL	1 mL	7 SU	50 uL	50 uL	
LCSD 460-965331/3		3510C, 8082A			250 mL	1 mL	7 SU	50 uL	50 uL	
460-300430-D-1	MW-18R	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB
460-300430-F-2	MW-15	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB
460-300430-E-3	MW-13	3510C, 8082A	Water	T	250 mL	1 mL	7 SU		50 uL	Add By AB

Batch Notes	
Method/Fraction	3510C_LVI / 8082A
pH Indicator ID	10BDH4321
Analyst ID - Extraction	Jose
Analyst ID - Spike Analyst	Jose
Analyst ID - Spike Witness Analyst	AA
Sufficient Volume for Batch QC	Yes
Prep Solvent ID	Dichloromethane: 762001
Na2SO4 ID	230290
Analyst ID - Concentration	OS
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	35 Degrees C
Concentration 1 Corrected Temperature	35 Degrees C
Exchange Solvent ID	Hexane: 1462011
Vial Lot Number	21116173
Batch Comment	PCB Water

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG No.:

Project: Powerhouse, Brooklyn, NY

Client Sample ID	Lab Sample ID
MW-18R	460-300430-1
MW-15	460-300430-2
MW-13	460-300430-3

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1
Lab Name: Eurofins Edison
Job No.: 460-300430-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2024 08:00
Reporting Basis: WET
Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1
Lab Name: Eurofins Edison
Job No.: 460-300430-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2024 08:00
Reporting Basis: WET
Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	9.6	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	477	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1
Lab Name: Eurofins Edison
Job No.: 460-300430-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2024 08:00
Reporting Basis: WET
Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	352	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 09:20

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 09:20

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	71.7	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 09:20

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	2.0	2.0	1.2	ug/L	U		1	6020B
7440-39-3	Barium	77.9	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 11:05

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TOTAL RECOVERABLE

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 11:05

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	52.1	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	11.6	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.3	1.2	0.42	ug/L			1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - DISSOLVED

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 11:05

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	13.0	2.0	1.2	ug/L			1	6020B
7440-39-3	Barium	7.5	4.0	0.93	ug/L			1	6020B
7440-43-9	Cadmium	2.0	2.0	0.38	ug/L	U		1	6020B
7440-47-3	Chromium	4.0	4.0	1.7	ug/L	U		1	6020B
7439-92-1	Lead	1.2	1.2	0.42	ug/L	U		1	6020B
7782-49-2	Selenium	2.5	2.5	0.43	ug/L	U		1	6020B
7440-22-4	Silver	2.0	2.0	1.3	ug/L	U		1	6020B
7439-97-6	Mercury	0.20	0.20	0.091	ug/L	U		1	7470A

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	ICV 460-965664/7 03/23/2024 11:11				CCV 460-965664/15 03/23/2024 11:39				CCV 460-965664/106 03/23/2024 15:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.63		80.0	100	99.42		100	99	97.96		100	98
Barium	80.50		80.0	101	99.80		100	100	96.69		100	97
Cadmium	80.10		80.0	100	100.3		100	100	100.2		100	100
Chromium	78.40		80.0	98	98.22		100	98	97.15		100	97
Lead	80.50		80.0	101	101.9		100	102	101.3		100	101
Selenium	81.53		80.0	102	100.7		100	101	104.8		100	105
Silver	40.69		40.0	102	50.96		50.0	102	51.66		50.0	103

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	CCV 460-965664/118 03/23/2024 15:39				CCV 460-965664/130 03/23/2024 16:07							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	96.50		100	96	97.87		100	98				
Barium	94.53		100	95	93.72		100	94				
Cadmium	100.6		100	101	100.6		100	101				
Chromium	95.98		100	96	95.66		100	96				
Lead	100.8		100	101	100.9		100	101				
Selenium	102.5		100	103	102.8		100	103				
Silver	51.24		50.0	102	50.18		50.0	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	ICV 460-966084/7 03/26/2024 15:16				CCV 460-966084/15 03/26/2024 15:53				CCV 460-966084/23 03/26/2024 16:36			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	79.21		80.0	99	99.46		100	99	102.0		100	102
Barium	80.81		80.0	101	100.6		100	101	99.36		100	99
Cadmium	82.66		80.0	103	100.7		100	101	100.1		100	100
Chromium	79.38		80.0	99	100.8		100	101	101.5		100	102
Lead	79.51		80.0	99	100.1		100	100	100.9		100	101
Selenium	80.85		80.0	101	101.3		100	101	104.5		100	104
Silver	40.59		40.0	101	49.73		50.0	99	50.36		50.0	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: Interm_ICV_00013 Concentration Units: ug/L

CCV Source: me_Cal5_00151

Analyte	CCV 460-966084/33 03/26/2024 17:06				CCV 460-966084/43 03/26/2024 17:35				CCV 460-966084/53 03/26/2024 18:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	102.3		100	102	102.1		100	102	103.5		100	103
Barium	101.1		100	101	100.9		100	101	99.82		100	100
Cadmium	100.5		100	101	101.3		100	101	100.3		100	100
Chromium	103.3		100	103	104.1		100	104	102.9		100	103
Lead	101.7		100	102	100.2		100	100	100.9		100	101
Selenium	104.7		100	105	102.5		100	102	105.3		100	105
Silver	51.29		50.0	103	50.34		50.0	101	51.10		50.0	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: ME_DQCS-INT_04272 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04542

Analyte	ICV 460-965997/31-A 03/26/2024 14:13				CCV 460-965997/35-A 03/26/2024 14:22				CCV 460-965997/35-A 03/26/2024 14:43			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.02		5.00	100	4.83		5.00	97	4.99		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: ME_DQCS-INT_04272 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04542

Analyte	CCV 460-965997/35-A 03/26/2024 15:04				CCV 460-965997/35-A 03/26/2024 15:24				CCV 460-965997/35-A 03/26/2024 15:45			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.95		5.00	99	5.06		5.00	101	5.01		5.00	100

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

ICV Source: ME_DQCS-INT_04272 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04542

Analyte	CCV 460-965997/35-A 03/26/2024 16:06				CCV 460-965997/35-A 03/26/2024 16:27							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.90		5.00	98	5.00		5.00	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Method: 7470A Instrument ID: LEEMAN6

Lab Sample ID: CRI 460-965997/32-A Concentration Units: ug/L

CRQL Check Standard Source: ME_DCAL-IN_04542

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Mercury	0.200	0.199	J	100	50-150

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-965664/8 03/23/2024 11:13		CCB 460-965664/16 03/23/2024 11:41		CCB 460-965664/107 03/23/2024 15:13		CCB 460-965664/119 03/23/2024 15:41	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Barium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Lead	1.2	1.2	U	1.2	U	1.2	U	1.2	U
Selenium	2.5	2.5	U	2.5	U	2.5	U	2.5	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-965664/131 03/23/2024 16:09							
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U						
Barium	4.0	4.0	U						
Cadmium	2.0	2.0	U						
Chromium	4.0	4.0	U						
Lead	1.2	1.2	U						
Selenium	2.5	2.5	U						
Silver	2.0	2.0	U						

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-966084/8 03/26/2024 15:19		CCB 460-966084/16 03/26/2024 15:55		CCB 460-966084/24 03/26/2024 16:38		CCB 460-966084/34 03/26/2024 17:09	
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Barium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	2.0	2.0	U	2.0	U	2.0	U	2.0	U
Chromium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Lead	1.2	1.2	U	1.2	U	1.2	U	1.2	U
Selenium	2.5	2.5	U	2.5	U	2.5	U	2.5	U
Silver	2.0	2.0	U	2.0	U	2.0	U	2.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-966084/44 03/26/2024 17:37		CCB 460-966084/54 03/26/2024 18:05					
		Found	C	Found	C	Found	C	Found	C
Arsenic	2.0	2.0	U	2.0	U				
Barium	4.0	4.0	U	4.0	U				
Cadmium	2.0	2.0	U	2.0	U				
Chromium	4.0	4.0	U	4.0	U				
Lead	1.2	1.2	U	1.2	U				
Selenium	2.5	2.5	U	2.5	U				
Silver	2.0	2.0	U	2.0	U				

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-966040/15 03/26/2024 14:15		CCB 460-966040/20 03/26/2024 14:24		CCB 460-966040/32 03/26/2024 14:45		CCB 460-966040/44 03/26/2024 15:05	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-966040/56 03/26/2024 15:26		CCB 460-966040/68 03/26/2024 15:47		CCB 460-966040/80 03/26/2024 16:08		CCB 460-966040/92 03/26/2024 16:29	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965324/1-A

Instrument Code: ICPMS3 Batch No.: 965664

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6020B
7440-39-3	Barium	4.0	U		6020B
7440-43-9	Cadmium	2.0	U		6020B
7440-47-3	Chromium	4.0	U		6020B
7439-92-1	Lead	1.2	U		6020B
7782-49-2	Selenium	2.5	U		6020B
7440-22-4	Silver	2.0	U		6020B

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965990/1-B

Instrument Code: ICPMS3 Batch No.: 966084

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	2.0	U		6020B
7440-39-3	Barium	4.0	U		6020B
7440-43-9	Cadmium	2.0	U		6020B
7440-47-3	Chromium	4.0	U		6020B
7439-92-1	Lead	1.2	U		6020B
7782-49-2	Selenium	2.5	U		6020B
7440-22-4	Silver	2.0	U		6020B

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-965997/1-A

Instrument Code: LEEMAN6 Batch No.: 966040

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

3-IN
METHOD BLANK
METALS - DISSOLVED

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Concentration Units: ug/L Lab Sample ID: MB 460-966001/1-B

Instrument Code: LEEMAN6 Batch No.: 966040

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.20	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICSA 460-965664/10 Instrument ID: ICPMS3

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00217

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.101**	
Barium		**0.611**	
Cadmium		**0.393**	
Chromium		**0.0790**	
Lead		**0.134**	
Selenium		**0.194**	
Silver		**0.0220**	
Aluminum	*100000*	*98123*	*98*
Antimony		*0.375*	
Beryllium		*0.0030*	
Boron		*3.25*	
Calcium	*100000*	*100231*	*100*
Cobalt		*0.359*	
Copper		*0.162*	
Iron	*100000*	*99184*	*99*
Magnesium	*100000*	*96453*	*96*
Manganese		*0.786*	
Molybdenum	*2000*	*2073*	*104*
Nickel		*0.203*	
Potassium	*100000*	*98986*	*99*
Sodium	*100000*	*100577*	*101*
Strontium		*0.643*	
Thallium		*-0.0680*	
Tin		*-0.561*	
Titanium	*2000*	*2042*	*102*
Vanadium		*-0.168*	
Zinc		*0.985*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICSAB 460-965664/11 Instrument ID: ICPMS3

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00180

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**200**	**195**	**98**
Barium	**200**	**200**	**100**
Cadmium	**200**	**200**	**100**
Chromium	**200**	**194**	**97**
Lead	**200**	**201**	**101**
Selenium	**200**	**202**	**101**
Silver	**200**	**198**	**99**
Aluminum	*100000*	*96830*	*97*
Antimony	*100*	*107*	*107*
Beryllium	*200*	*185*	*92*
Boron		*3.16*	
Calcium	*100000*	*100510*	*101*
Cobalt	*200*	*192*	*96*
Copper	*200*	*191*	*96*
Iron	*100000*	*99885*	*100*
Magnesium	*100000*	*94798*	*95*
Manganese	*200*	*188*	*94*
Molybdenum	*2000*	*2056*	*103*
Nickel	*200*	*193*	*97*
Potassium	*100000*	*97964*	*98*
Sodium	*100000*	*98563*	*99*
Strontium	*200*	*196*	*98*
Thallium	*100*	*99.2*	*99*
Tin	*200*	*202*	*101*
Titanium	*2000*	*2016*	*101*
Vanadium	*200*	*197*	*99*
Zinc	*200*	*194*	*97*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICSA 460-966084/9 Instrument ID: ICPMS3

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00217

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.101**	
Barium		**0.747**	
Cadmium		**0.260**	
Chromium		**0.592**	
Lead		**0.133**	
Selenium		**0.174**	
Silver		**0.0390**	
Aluminum	*100000*	*100080*	*100*
Antimony		*0.198*	
Beryllium		*0.0410*	
Boron		*0.439*	
Calcium	*100000*	*102024*	*102*
Cobalt		*0.364*	
Copper		*0.323*	
Iron	*100000*	*101794*	*102*
Magnesium	*100000*	*99831*	*100*
Manganese		*0.840*	
Molybdenum	*2000*	*2066*	*103*
Nickel		*0.442*	
Potassium	*100000*	*100211*	*100*
Sodium	*100000*	*99780*	*100*
Strontium		*0.816*	
Thallium		*0.0300*	
Tin		*-0.534*	
Titanium	*2000*	*2129*	*106*
Vanadium		*-0.311*	
Zinc		*2.15*	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Lab Sample ID: ICSAB 460-966084/10 Instrument ID: ICPMS3

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00180

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**200**	**204**	**102**
Barium	**200**	**212**	**106**
Cadmium	**200**	**207**	**103**
Chromium	**200**	**206**	**103**
Lead	**200**	**210**	**105**
Selenium	**200**	**208**	**104**
Silver	**200**	**200**	**100**
Aluminum	*100000*	*101078*	*101*
Antimony	*100*	*105*	*105*
Beryllium	*200*	*188*	*94*
Boron		*0.356*	
Calcium	*100000*	*103450*	*103*
Cobalt	*200*	*207*	*104*
Copper	*200*	*205*	*102*
Iron	*100000*	*102474*	*102*
Magnesium	*100000*	*101367*	*101*
Manganese	*200*	*199*	*100*
Molybdenum	*2000*	*2073*	*104*
Nickel	*200*	*207*	*103*
Potassium	*100000*	*101912*	*102*
Sodium	*100000*	*100578*	*101*
Strontium	*200*	*208*	*104*
Thallium	*100*	*104*	*104*
Tin	*200*	*206*	*103*
Titanium	*2000*	*2100*	*105*
Vanadium	*200*	*209*	*104*
Zinc	*200*	*207*	*104*

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: MW-13 MS Lab ID: 460-300430-3 MS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water Concentration Units: ug/L

% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.22		0.20	U	1.00	122	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-300349-J-1-C MS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	52.80		3.5		50.0	99	75-125		6020B
Barium	107.3		57.7		50.0	99	75-125		6020B
Cadmium	25.53		2.0	U	25.0	102	75-125		6020B
Chromium	47.47		4.0	U	50.0	95	75-125		6020B
Lead	28.87		2.8		25.0	104	75-125		6020B
Selenium	51.63		2.5	U	50.0	103	75-125		6020B
Silver	25.12		2.0	U	25.0	100	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-300484-H-2-N MS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	51.26		2.0	U	50.0	103	75-125		6020B
Barium	119.3		71.1		50.0	96	75-125		6020B
Cadmium	24.78		2.0	U	25.0	99	75-125		6020B
Chromium	48.89		4.0	U	50.0	98	75-125		6020B
Lead	24.74		1.2	U	25.0	99	75-125		6020B
Selenium	53.08		0.67	J	50.0	105	75-125		6020B
Silver	19.14		2.0	U	25.0	77	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-299463-Q-1-C MS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	1.04		0.20	U	1.00	104	75-125		7470A

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-300484-H-2-O MSD

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	52.20		50.0	104	75-125	2	20		6020B
Barium	121.2		50.0	100	75-125	2	20		6020B
Cadmium	25.22		25.0	101	75-125	2	20		6020B
Chromium	48.99		50.0	98	75-125	0	20		6020B
Lead	24.94		25.0	100	75-125	1	20		6020B
Selenium	54.40		50.0	107	75-125	2	20		6020B
Silver	19.40		25.0	78	75-125	1	20		6020B

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-299463-Q-1-D MSD

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

% Solids: _____

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Mercury	1.00		1.00	100	75-125	4	20		7470A

SDR = Sample Duplicate Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-300349-J-1-A PDS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

Matrix: Water Concentration Units: ug/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	52.61		3.5		50.0	98	75-125		6020B
Barium	105.6		57.7		50.0	96	75-125		6020B
Cadmium	24.86		2.0	U	25.0	99	75-125		6020B
Chromium	46.76		4.0	U	50.0	94	75-125		6020B
Lead	27.79		2.8		25.0	100	75-125		6020B
Selenium	49.82		2.5	U	50.0	100	75-125		6020B
Silver	24.32		2.0	U	25.0	97	75-125		6020B

SSR = Spiked Sample Result

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: MW-13 DU | Lab ID: 460-300430-3 DU

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG No.:

% Solids for Sample: | % Solids for Duplicate:

Matrix: Water | Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - TOTAL RECOVERABLE

Client ID: _____ Lab ID: 460-300349-J-1-B DU

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	2.0	3.5		3.38		5		6020B
Barium	4.0	57.7		58.85		2		6020B
Cadmium	2.0	2.0	U	2.0	U	NC		6020B
Chromium	4.0	4.0	U	4.0	U	NC		6020B
Lead	1.2	2.8		2.84		0.8		6020B
Selenium	2.5	2.5	U	2.5	U	NC		6020B
Silver	2.0	2.0	U	2.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-300484-H-2-L DU

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	2.0	2.0	U	2.0	U	NC		6020B
Barium	4.0	71.1		72.47		2		6020B
Cadmium	2.0	2.0	U	2.0	U	NC		6020B
Chromium	4.0	4.0	U	4.0	U	NC		6020B
Lead	1.2	1.2	U	1.2	U	NC		6020B
Selenium	2.5	0.67	J	0.794	J	17		6020B
Silver	2.0	2.0	U	2.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS - DISSOLVED

Client ID: _____ Lab ID: 460-299463-Q-1-B DU

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: _____

% Solids for Sample: _____ % Solids for Duplicate: _____

Matrix: Water Concentration Units: ug/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.20	0.20	U	0.20	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965664/12

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: LCS Source: me_LR-A_00037

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	4991		100	90	110		6020B
Barium	20000	19210		96	90	110		6020B
Cadmium	5000	5047		101	90	110		6020B
Chromium	20000	18780		94	90	110		6020B
Lead	20000	19150		96	90	110		6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965664/13

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.64						6020B
Barium		13.69						6020B
Cadmium		2.0	U					6020B
Chromium		6.66						6020B
Lead		1.64						6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-965664/14

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		1.28	J					6020B
Cadmium		2.0	U					6020B
Chromium		4.0	U					6020B
Lead		0.470	J					6020B
Selenium	3000	3006		100	90	110		6020B
Silver	1000	958.4		96	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-965324/2-A

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00052

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	50.0	47.08		94	80	120		6020B
Barium	50.0	46.77		94	80	120		6020B
Cadmium	25.0	24.94		100	80	120		6020B
Chromium	50.0	47.37		95	80	120		6020B
Lead	25.0	24.38		98	80	120		6020B
Selenium	50.0	49.29		99	80	120		6020B
Silver	25.0	25.00		100	80	120		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-966084/13

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		1.67	J					6020B
Cadmium		2.0	U					6020B
Chromium		4.0	U					6020B
Lead		0.850	J					6020B
Selenium	3000	3039		101	90	110		6020B
Silver	1000	971.8		97	90	110		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-966084/14

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		2.0	U					6020B
Barium		13.27						6020B
Cadmium		2.0	U					6020B
Chromium		3.31	J					6020B
Lead		1.20						6020B
Selenium		2.5	U					6020B
Silver		2.0	U					6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TOTAL RECOVERABLE

Lab ID: LCS 460-965991/2-A

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: Water LCS Source: ME_ipmsSPK_00050

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	50.0	48.69		97	80	120		6020B
Barium	50.0	47.71		95	80	120		6020B
Cadmium	25.0	24.22		97	80	120		6020B
Chromium	50.0	49.12		98	80	120		6020B
Lead	25.0	23.69		95	80	120		6020B
Selenium	50.0	49.21		98	80	120		6020B
Silver	25.0	24.10		96	80	120		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 460-965997/2-A

Lab Name: Eurofins Edison Job No.: 460-300430-1

Sample Matrix: Water LCS Source: ME_DCAL-IN_04542

Analyte	Water(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	1.00	0.908		91	80	120		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TOTAL RECOVERABLE

Lab ID: 460-300349-J-1-A SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-300430-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	3.5		10.0	U	NC		6020B
Barium	57.7		60.07		NC		6020B
Cadmium	2.0	U	10.0	U	NC		6020B
Chromium	4.0	U	20.0	U	NC		6020B
Lead	2.8		3.09	J	NC		6020B
Selenium	2.5	U	12.5	U	NC		6020B
Silver	2.0	U	10.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-300484-H-2-M SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-300430-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	2.0	U	10.0	U	NC		6020B
Barium	71.1		70.22		NC		6020B
Cadmium	2.0	U	10.0	U	NC		6020B
Chromium	4.0	U	20.0	U	NC		6020B
Lead	1.2	U	6.0	U	NC		6020B
Selenium	0.67	J	12.5	U	NC		6020B
Silver	2.0	U	10.0	U	NC		6020B

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-300430-3

SDG No:

Lab Name: Eurofins Edison Job No: 460-300430-1

Matrix: Water Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - DISSOLVED

Lab ID: 460-299463-Q-1-A SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-300430-1

Matrix: Water Concentration Units: ug/L

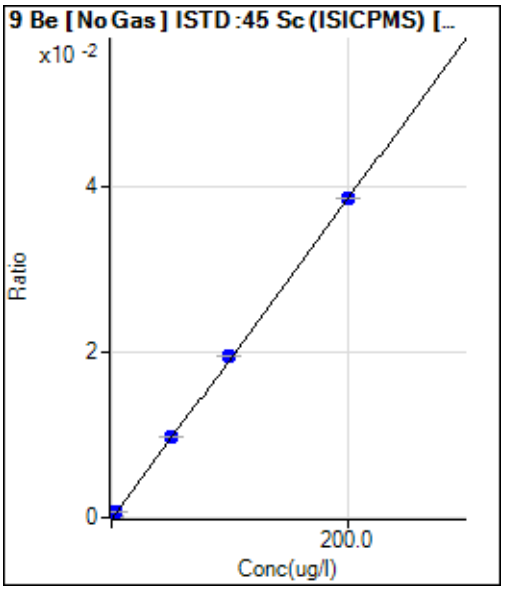
Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.20	U	1.0	U	NC		7470A

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

Batch Folder: C:\Agilent\ICPMH\1\DATA\NM032324.b\
Analysis File: NM032324.batch.bin
DA Date-Time: 2024-03-23 16:08:11
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

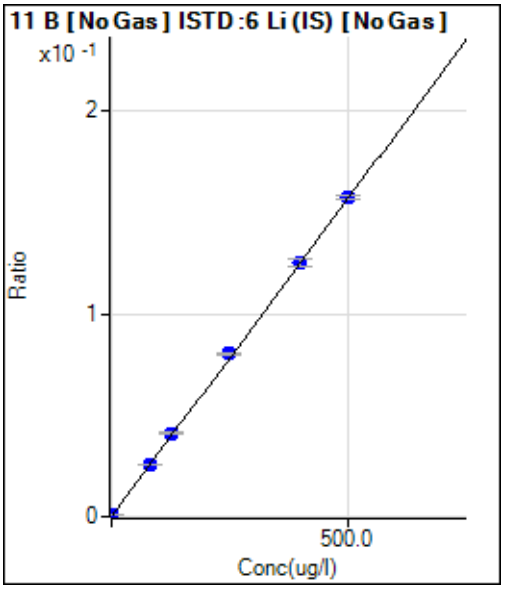
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC Cal Blk	2024-03-23 10:55:39
2	005CALS.d	IC Cal-1	2024-03-23 10:58:30
3	006CALS.d	IC Cal-2	2024-03-23 11:01:04
4	007CALS.d	IC Cal-3	2024-03-23 11:03:37
5	008CALS.d	IC Cal-4	2024-03-23 11:06:08
6	009CALS.d	IC Cal-5	2024-03-23 11:08:39



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.56	0.0000	P	31.6	
2	☐	0.800	0.746	1764.56	0.0001	P	5.7	-6.8
3	☐	4.000	3.996	9401.78	0.0008	P	2.6	-0.1
4	☐	50.000	50.804	117772.38	0.0099	P	0.3	1.6
5	☐	100.000	100.774	235182.80	0.0195	P	0.4	0.8
6	☐	200.000	199.412	469792.67	0.0387	P	0.5	-0.3

y = 1.9390E-004 * x + 2.1335E-006
R = 1.0000
DL = 0.01044 ug/l
BEC = 0.011 ug/l

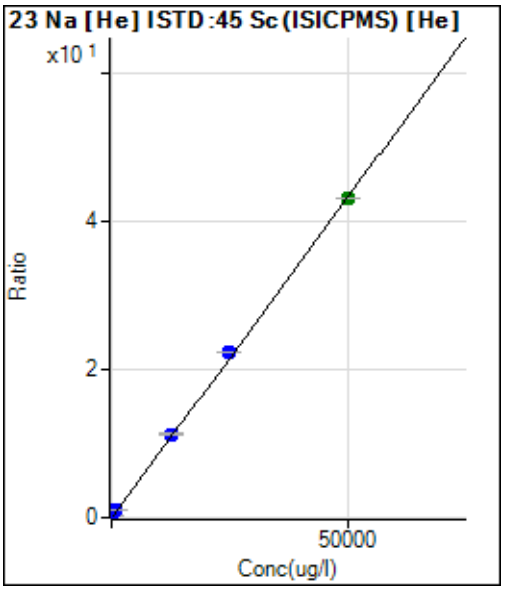
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5031.95	0.0009	P	2.4	
2	☐	80.000	79.551	136625.29	0.0259	P	1.2	-0.6
3	☐	400.000	396.663	668491.53	0.1251	P	2.8	-0.8
4	☐	125.000	128.199	215481.79	0.0411	P	1.5	2.6
5	☐	250.000	254.017	418982.40	0.0805	P	1.0	1.6
6	☐	500.000	499.933	827932.65	0.1574	P	0.8	0.0

y = 3.1303E-004 * x + 9.4916E-004
R = 0.9999
DL = 0.2164 ug/l
BEC = 3.032 ug/l

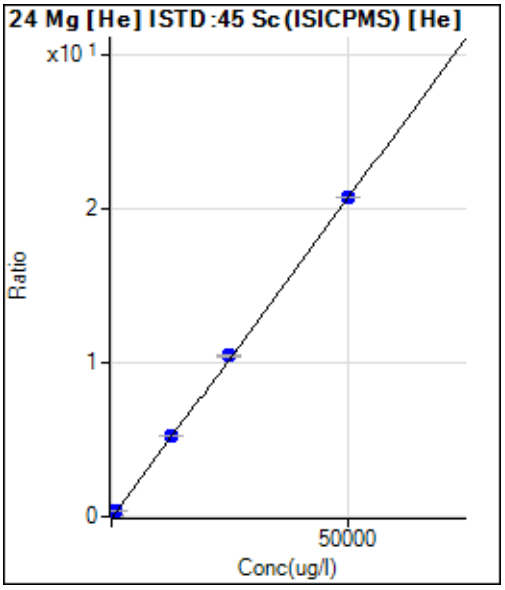
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21389.38	0.1466	P	0.5	
2	☐	200.000	222.347	49555.21	0.3389	P	1.4	11.
3	☐	1000.000	1053.857	154300.00	1.0580	P	1.0	5.4
4	☐	12500.00	12840.50	1659894.47	11.2521	P	0.8	2.7
5	☐	25000.00	25653.80	3292003.04	22.3340	P	0.6	2.6
6	☐	50000.00	49586.80	6379115.60	43.0332	A	0.2	-0.8

y = 8.6488E-004 * x + 0.1466
R = 0.9998
DL = 2.495 ug/l
BEC = 169.5 ug/l

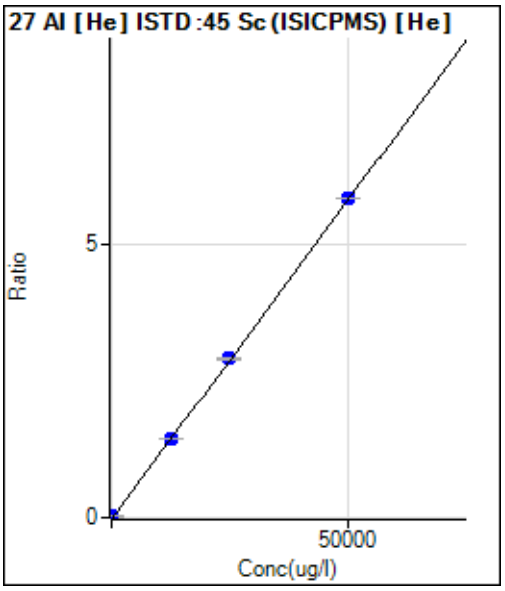
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	150.00	0.0010	P	15.6	
2	☐	200.000	204.107	12561.84	0.0859	P	0.3	2.1
3	☐	1000.000	1014.669	61682.45	0.4230	P	0.7	1.5
4	☐	12500.00	12572.55	771384.16	5.2290	P	0.8	0.6
5	☐	25000.00	25157.71	1542112.53	10.4622	P	0.9	0.6
6	☐	50000.00	49902.69	3076145.06	20.7518	P	0.5	-0.2

y = 4.1583E-004 * x + 0.0010
R = 1.0000
DL = 1.161 ug/l
BEC = 2.472 ug/l

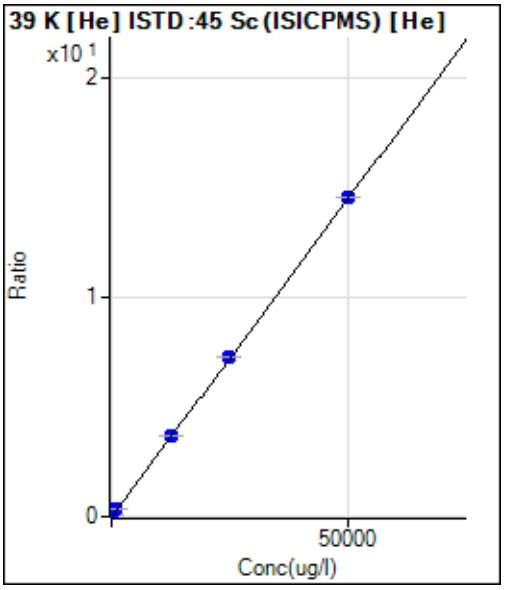
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.34	0.0007	P	14.7	
2	☐	40.000	43.377	846.70	0.0058	P	10.0	8.4
3	☐	200.000	201.549	3545.99	0.0243	P	2.1	0.8
4	☐	12500.00	12460.46	215395.18	1.4601	P	0.5	-0.3
5	☐	25000.00	24887.97	429752.87	2.9156	P	1.0	-0.4
6	☐	50000.00	50065.88	869323.41	5.8645	P	0.2	0.1

y = 1.1712E-004 * x + 7.0811E-004
R = 1.0000
DL = 2.665 ug/l
BEC = 6.046 ug/l

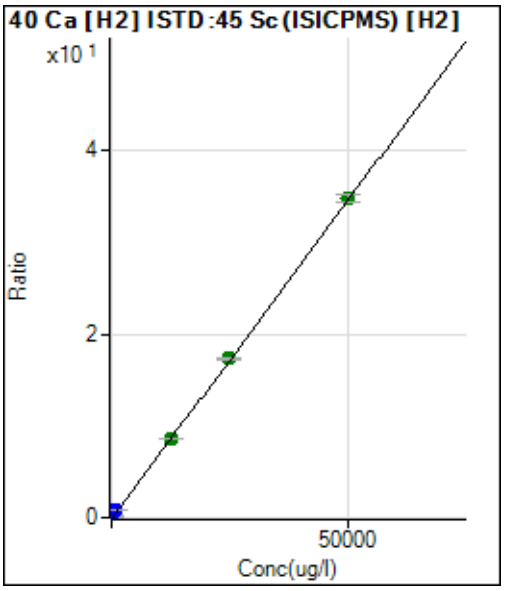
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7714.22	0.0529	P	4.8	
2	☐	200.000	205.402	16438.97	0.1124	P	2.1	2.7
3	☐	1000.000	1016.376	50688.71	0.3476	P	0.6	1.6
4	☐	12500.00	12454.47	540511.48	3.6640	P	0.9	-0.4
5	☐	25000.00	24945.38	1073900.44	7.2857	P	0.6	-0.2
6	☐	50000.00	50038.33	2158509.72	14.5613	P	0.2	0.1

y = 2.8995E-004 * x + 0.0529
R = 1.0000
DL = 26.48 ug/l
BEC = 182.3 ug/l

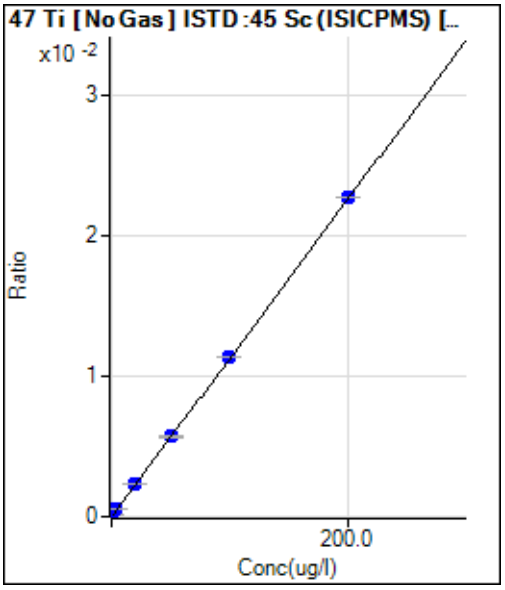
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	81687.37	0.0240	P	0.3	
2	☐	200.000	216.696	583012.53	0.1743	P	0.7	8.3
3	☐	1000.000	1033.295	2507256.09	0.7406	P	0.9	3.3
4	☐	12500.00	12275.43	28698083.74	8.5374	A	0.7	-1.8
5	☐	25000.00	24906.75	57938421.36	17.2977	A	2.0	-0.4
6	☐	50000.00	50102.03	118176421.5	34.7714	A	2.1	0.2

y = 6.9353E-004 * x + 0.0240
R = 1.0000
DL = 0.3146 ug/l
BEC = 34.62 ug/l

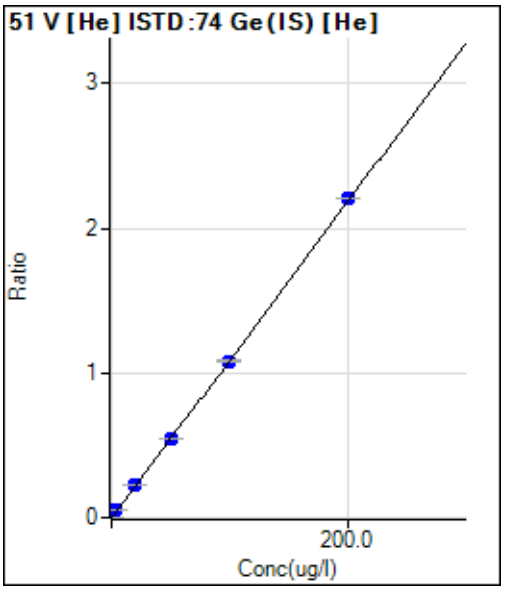
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1177.83	0.0001	P	2.7	
2	☐	4.000	3.942	6550.34	0.0005	P	4.7	-1.5
3	☐	20.000	19.596	28045.30	0.0023	P	1.5	-2.0
4	☐	50.000	49.775	68522.43	0.0057	P	1.5	-0.5
5	☐	100.000	99.664	136963.50	0.0114	P	0.3	-0.3
6	☐	200.000	200.266	276629.65	0.0228	P	0.6	0.1

y = 1.1320E-004 * x + 9.8589E-005
R = 1.0000
DL = 0.07143 ug/l
BEC = 0.8709 ug/l

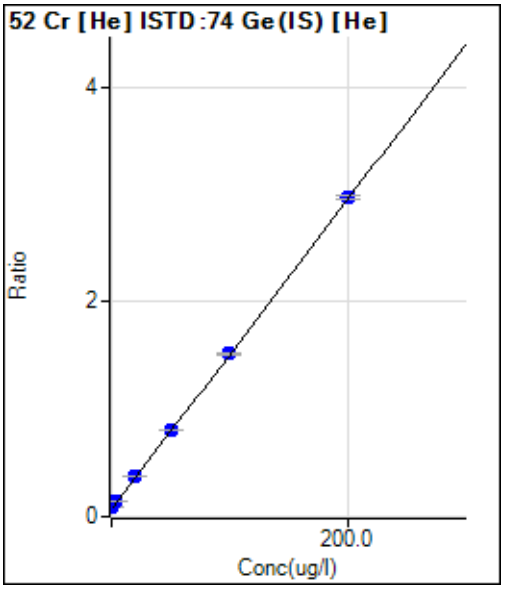
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	495.57	0.0064	P	3.3	
2	☐	4.000	4.027	3906.08	0.0505	P	0.5	0.7
3	☐	20.000	19.977	17604.78	0.2251	P	2.2	-0.1
4	☐	50.000	49.071	43113.81	0.5436	P	1.5	-1.9
5	☐	100.000	98.354	86737.05	1.0831	P	1.2	-1.6
6	☐	200.000	201.057	176110.36	2.2075	P	0.3	0.5

y = 0.0109 * x + 0.0064
R = 0.9999
DL = 0.05801 ug/l
BEC = 0.5812 ug/l

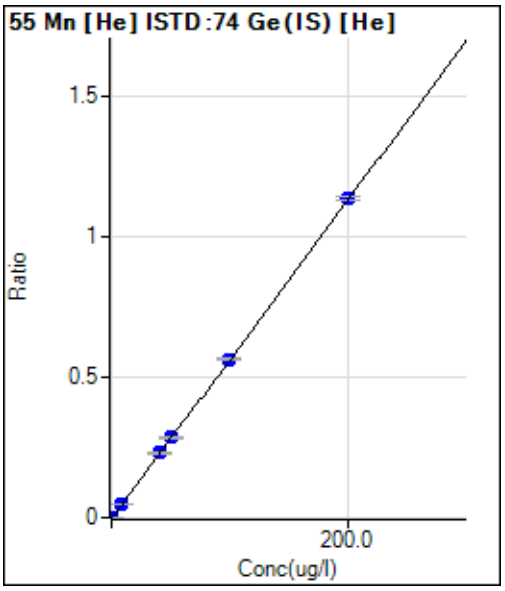
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6570.36	0.0844	P	2.9	
2	☐	4.000	4.073	11085.25	0.1432	P	0.5	1.8
3	☐	20.000	20.254	29478.89	0.3769	P	0.9	1.3
4	☐	50.000	50.043	64014.42	0.8071	P	0.8	0.1
5	☐	100.000	99.359	121662.42	1.5193	P	1.1	-0.6
6	☐	200.000	200.283	237477.79	2.9768	P	0.7	0.1

y = 0.0144 * x + 0.0844
R = 1.0000
DL = 0.5 ug/l
BEC = 5.841 ug/l

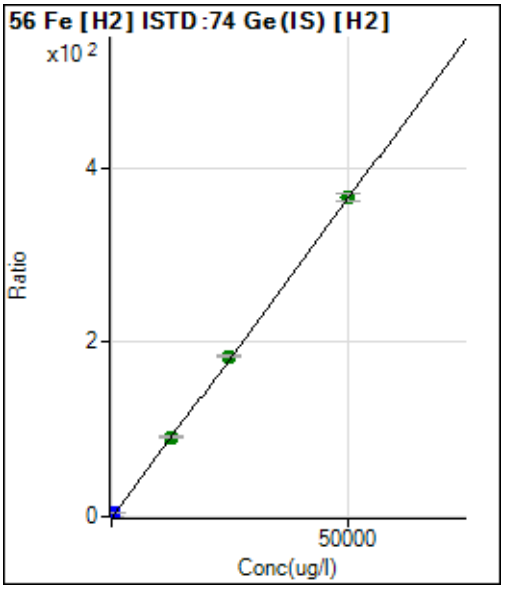
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	142.22	0.0018	P	12.9	
2	☐	8.000	8.277	3769.38	0.0487	P	1.7	3.5
3	☐	40.000	40.306	17989.72	0.2300	P	2.1	0.8
4	☐	50.000	50.287	22723.90	0.2865	P	1.9	0.6
5	☐	100.000	99.211	45122.12	0.5635	P	0.7	-0.8
6	☐	200.000	200.250	90582.59	1.1355	P	1.0	0.1

y = 0.0057 * x + 0.0018
R = 1.0000
DL = 0.1246 ug/l
BEC = 0.3226 ug/l

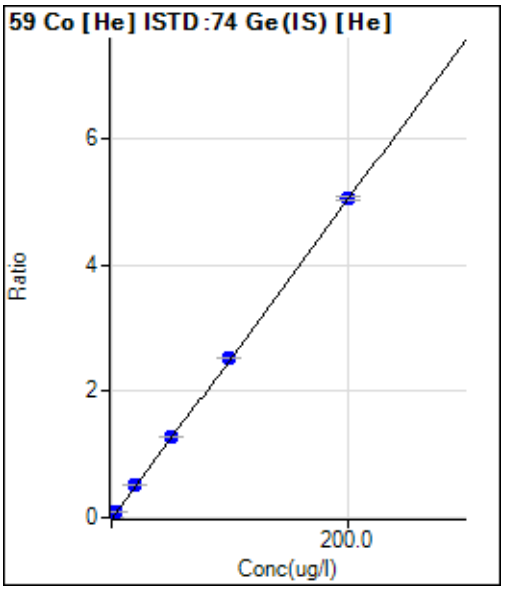
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	85850.71	0.1223	P	0.7	
2	☐	120.000	132.000	751243.26	1.0888	P	0.9	10.
3	☐	600.000	638.008	3344607.69	4.7938	P	1.8	6.3
4	☐	12500.00	12420.14	64615721.81	91.0633	A	2.1	-0.6
5	☐	25000.00	25062.34	129081843.6	183.630	A	1.4	0.2
6	☐	50000.00	49988.30	260063302.7	366.139	A	2.6	0.0

y = 0.0073 * x + 0.1223
R = 1.0000
DL = 0.3642 ug/l
BEC = 16.7 ug/l

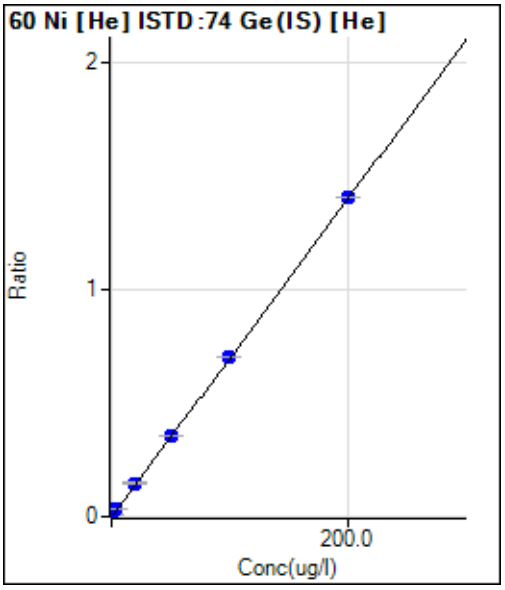
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0009	P	32.9	
2	☐	4.000	4.050	8016.64	0.1035	P	1.6	1.2
3	☐	20.000	20.308	40345.34	0.5158	P	1.5	1.5
4	☐	50.000	50.474	101576.36	1.2806	P	0.8	0.9
5	☐	100.000	99.973	203059.30	2.5357	P	1.1	0.0
6	☐	200.000	199.863	404347.70	5.0685	P	0.6	-0.1

y = 0.0254 * x + 8.5648E-004
R = 1.0000
DL = 0.03331 ug/l
BEC = 0.03378 ug/l

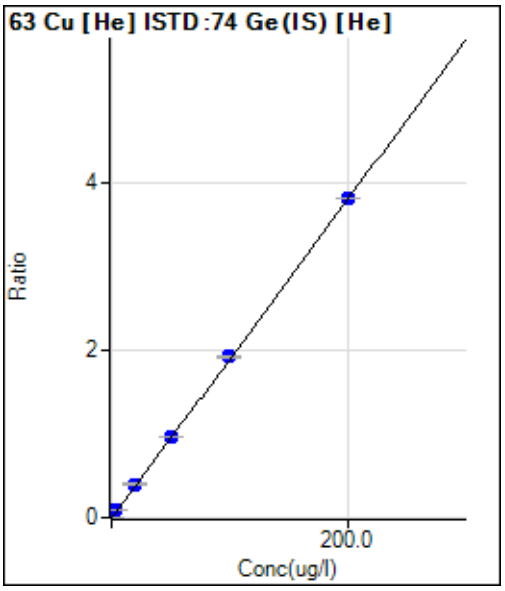
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	392.23	0.0050	P	7.5	
2	☐	4.000	4.272	2710.26	0.0350	P	4.9	6.8
3	☐	20.000	20.253	11510.02	0.1471	P	3.1	1.3
4	☐	50.000	50.401	28450.40	0.3587	P	1.0	0.8
5	☐	100.000	99.529	56330.02	0.7034	P	0.4	-0.5
6	☐	200.000	200.105	112417.93	1.4091	P	0.6	0.1

y = 0.0070 * x + 0.0050
R = 1.0000
DL = 0.1614 ug/l
BEC = 0.7177 ug/l

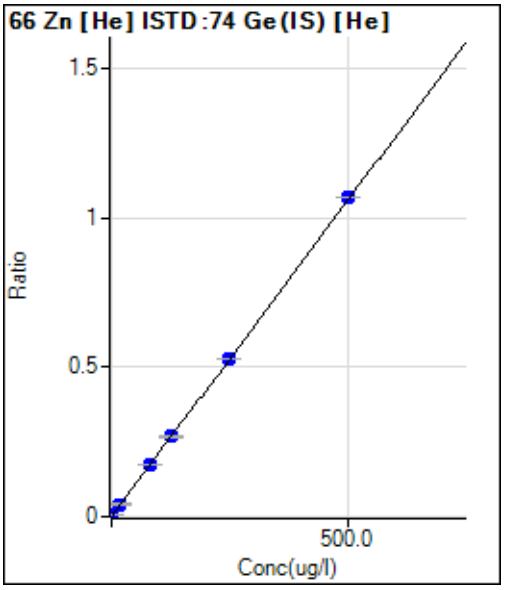
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	595.57	0.0076	P	7.9	
2	☐	4.000	4.356	7021.68	0.0907	P	2.2	8.9
3	☐	20.000	20.520	31200.40	0.3989	P	1.9	2.6
4	☐	50.000	50.567	77078.92	0.9718	P	0.6	1.1
5	☐	100.000	100.307	153762.10	1.9201	P	0.7	0.3
6	☐	200.000	199.646	304278.31	3.8141	P	0.4	-0.2

y = 0.0191 * x + 0.0076
R = 1.0000
DL = 0.09535 ug/l
BEC = 0.4012 ug/l

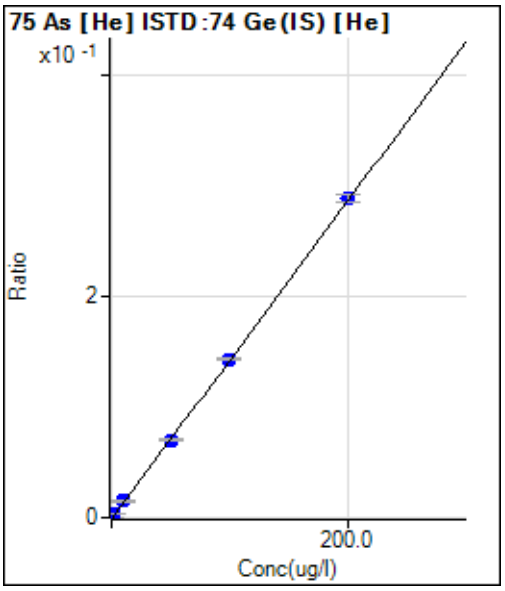
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	488.90	0.0063	P	6.2	
2	☐	16.000	16.663	3213.70	0.0415	P	6.5	4.1
3	☐	80.000	79.396	13624.04	0.1742	P	1.0	-0.8
4	☐	125.000	123.658	21238.54	0.2678	P	0.7	-1.1
5	☐	250.000	246.171	42188.59	0.5268	P	0.5	-1.5
6	☐	500.000	502.325	85241.14	1.0685	P	0.2	0.5

y = 0.0021 * x + 0.0063
R = 0.9999
DL = 0.5542 ug/l
BEC = 2.968 ug/l

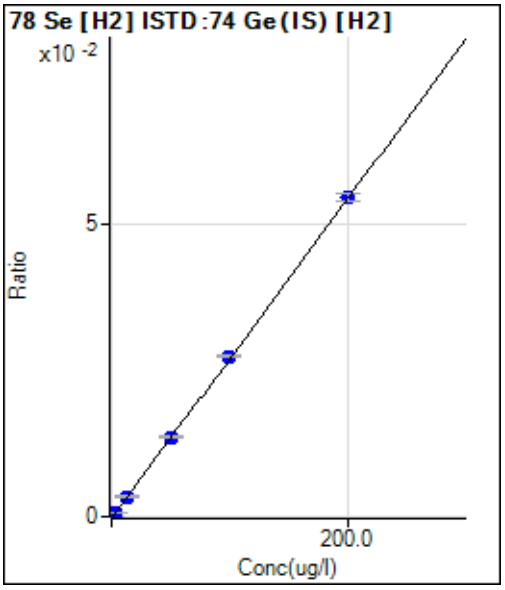
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0002	P	31.9	
2	☐	2.000	2.138	253.33	0.0033	P	19.2	6.9
3	☐	10.000	10.253	1168.94	0.0149	P	4.5	2.5
4	☐	50.000	48.727	5574.42	0.0703	P	1.8	-2.5
5	☐	100.000	99.294	11452.26	0.1430	P	1.2	-0.7
6	☐	200.000	200.657	23039.10	0.2888	P	1.9	0.3

y = 0.0014 * x + 1.9935E-004
R = 1.0000
DL = 0.1328 ug/l
BEC = 0.1386 ug/l

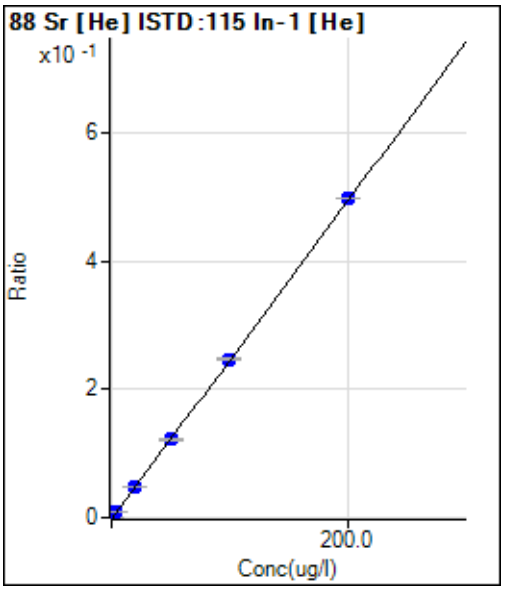
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2.22	0.0000	P	173.	
2	☐	2.500	2.571	487.79	0.0007	P	8.0	2.9
3	☐	12.500	12.453	2379.10	0.0034	P	6.6	-0.4
4	☐	50.000	49.831	9679.88	0.0136	P	1.2	-0.3
5	☐	100.000	100.438	19324.92	0.0275	P	1.4	0.4
6	☐	200.000	199.825	38847.62	0.0547	P	2.6	-0.1

y = 2.7369E-004 * x + 3.1712E-006
R = 1.0000
DL = 0.06021 ug/l
BEC = 0.01159 ug/l

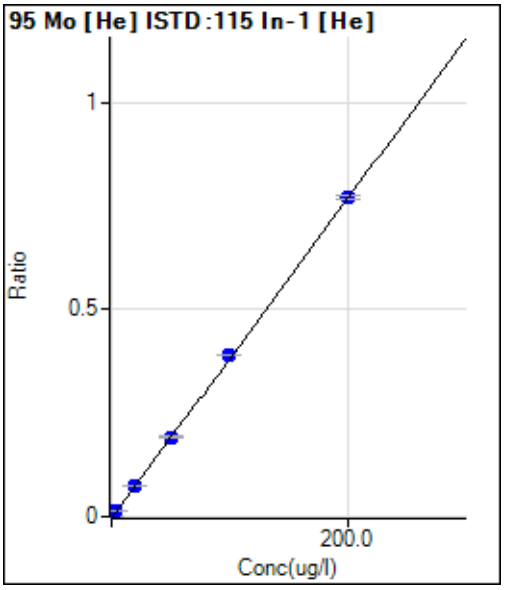
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0003	P	30.9	
2	☐	4.000	3.896	1920.14	0.0100	P	7.9	-2.6
3	☐	20.000	19.463	9427.53	0.0486	P	1.6	-2.7
4	☐	50.000	48.868	23572.37	0.1215	P	1.1	-2.3
5	☐	100.000	99.375	47739.69	0.2468	P	1.5	-0.6
6	☐	200.000	200.651	96874.55	0.4980	P	0.6	0.3

y = 0.0025 * x + 2.9361E-004
R = 1.0000
DL = 0.1097 ug/l
BEC = 0.1184 ug/l

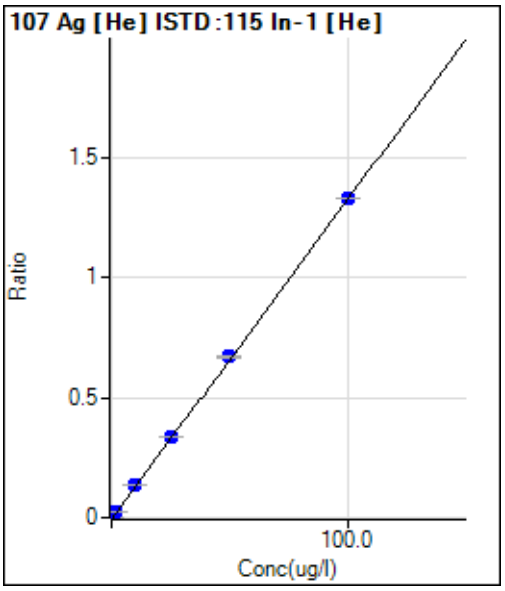
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.55	0.0002	P	46.9	
2	☐	4.000	3.944	2973.65	0.0154	P	5.8	-1.4
3	☐	20.000	19.657	14779.77	0.0761	P	1.1	-1.7
4	☐	50.000	49.445	37107.14	0.1912	P	2.0	-1.1
5	☐	100.000	101.068	75592.64	0.3907	P	0.6	1.1
6	☐	200.000	199.640	150114.21	0.7716	P	0.6	-0.2

y = 0.0039 * x + 1.8407E-004
R = 1.0000
DL = 0.06709 ug/l
BEC = 0.04764 ug/l

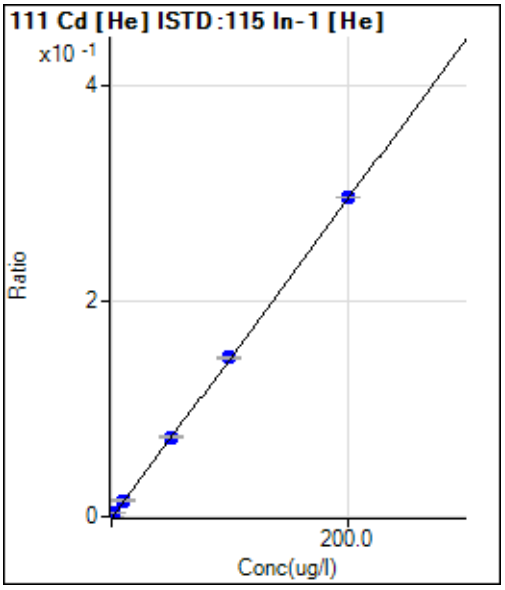
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.89	0.0001	P	27.2	
2	☐	2.000	2.027	5236.53	0.0272	P	1.8	1.4
3	☐	10.000	10.140	26285.01	0.1354	P	2.0	1.4
4	☐	25.000	25.263	65440.54	0.3373	P	1.0	1.1
5	☐	50.000	50.211	129674.44	0.6703	P	0.5	0.4
6	☐	100.000	99.814	259191.58	1.3323	P	0.6	-0.2

y = 0.0133 * x + 9.7986E-005
R = 1.0000
DL = 0.005996 ug/l
BEC = 0.007342 ug/l

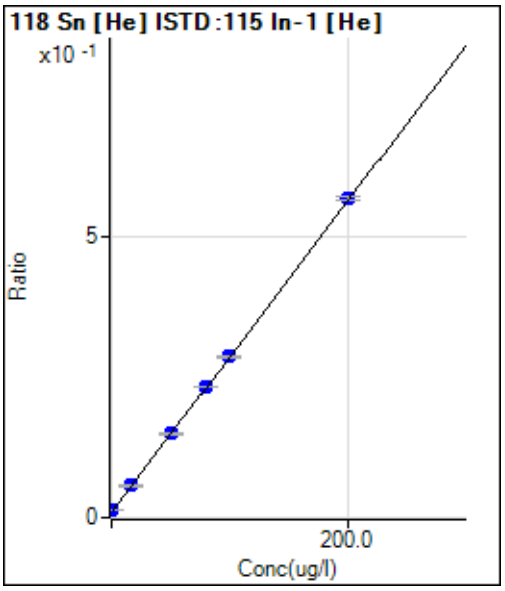
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.11	0.0000	P	173.	
2	☐	2.000	2.023	578.91	0.0030	P	8.1	1.2
3	☐	10.000	10.219	2939.21	0.0151	P	3.1	2.2
4	☐	50.000	49.981	14364.98	0.0740	P	1.8	0.0
5	☐	100.000	99.725	28583.94	0.1477	P	1.1	-0.3
6	☐	200.000	200.131	57678.30	0.2965	P	0.2	0.1

y = 0.0015 * x + 5.8034E-006
R = 1.0000
DL = 0.02036 ug/l
BEC = 0.003918 ug/l

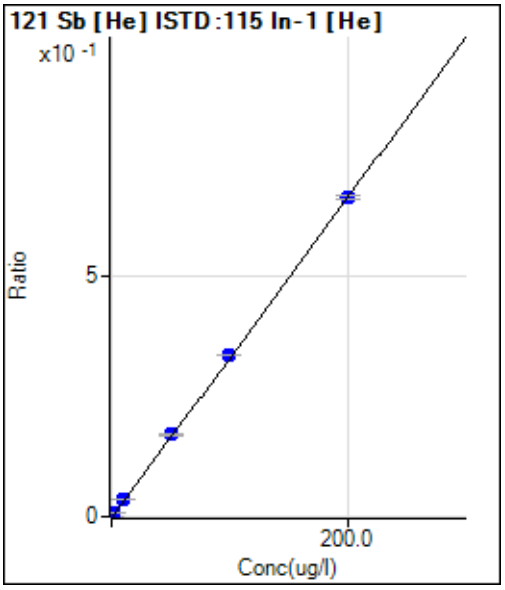
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2413.56	0.0125	P	3.1	
2	☐	16.000	15.892	10893.08	0.0565	P	2.9	-0.7
3	☐	80.000	79.548	45155.22	0.2326	P	0.7	-0.6
4	☐	50.000	49.363	28929.15	0.1491	P	1.5	-1.3
5	☐	100.000	99.009	55428.77	0.2865	P	1.0	-1.0
6	☐	200.000	200.845	110559.00	0.5683	P	1.5	0.4

y = 0.0028 * x + 0.0125
R = 1.0000
DL = 0.4218 ug/l
BEC = 4.521 ug/l

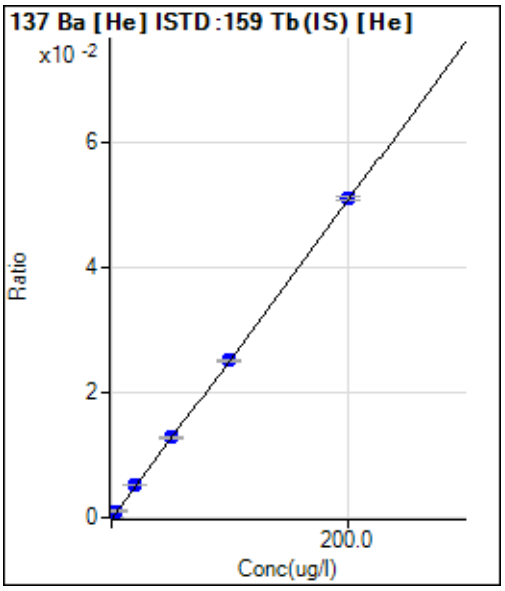
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	24.45	0.0001	P	28.7	
2	☐	2.000	2.048	1338.96	0.0069	P	4.1	2.4
3	☐	10.000	10.323	6691.60	0.0345	P	2.5	3.2
4	☐	50.000	51.174	33058.08	0.1704	P	1.8	2.3
5	☐	100.000	101.128	65122.79	0.3366	P	0.3	1.1
6	☐	200.000	199.126	128913.79	0.6627	P	1.4	-0.4

y = 0.0033 * x + 1.2685E-004
R = 1.0000
DL = 0.03282 ug/l
BEC = 0.03813 ug/l

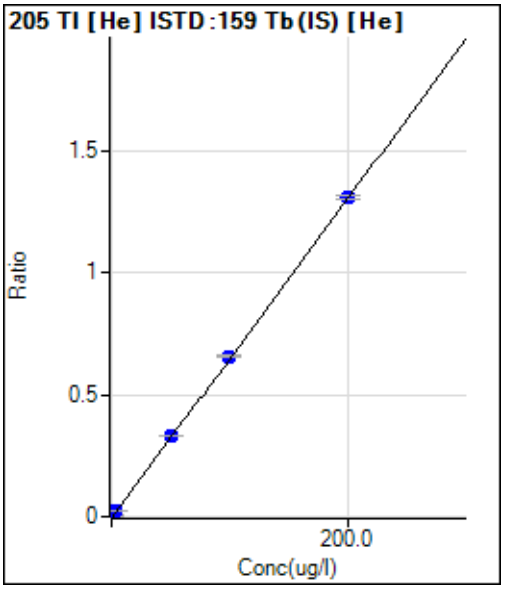
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	14.3	
2	☐	4.000	4.008	983.37	0.0010	P	8.7	0.2
3	☐	20.000	20.400	4946.45	0.0052	P	2.5	2.0
4	☐	50.000	50.358	12210.88	0.0129	P	1.8	0.7
5	☐	100.000	98.680	24149.49	0.0252	P	1.1	-1.3
6	☐	200.000	200.530	49097.05	0.0511	P	0.7	0.3

y = 2.5478E-004 * x + 2.4789E-005
R = 1.0000
DL = 0.04179 ug/l
BEC = 0.0973 ug/l

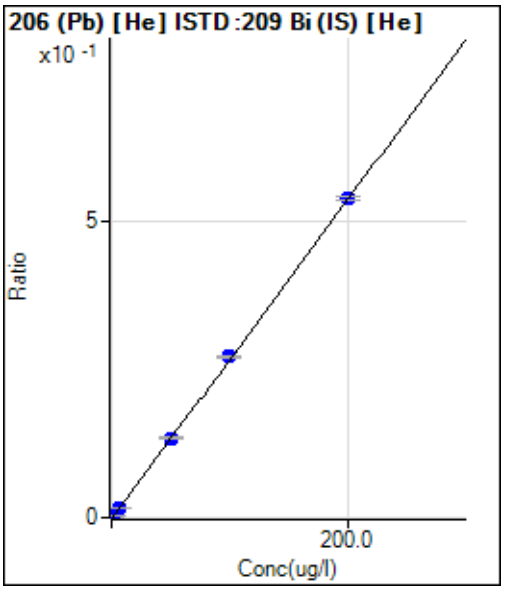
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	802.25	0.0009	P	9.6	
2	☐	0.800	0.796	5699.01	0.0061	P	2.7	-0.5
3	☐	4.000	4.047	25884.68	0.0273	P	0.6	1.2
4	☐	50.000	50.485	314541.17	0.3311	P	0.7	1.0
5	☐	100.000	100.159	629524.01	0.6560	P	1.4	0.2
6	☐	200.000	199.798	1256204.11	1.3078	P	0.7	-0.1

y = 0.0065 * x + 8.5226E-004
R = 1.0000
DL = 0.03741 ug/l
BEC = 0.1303 ug/l

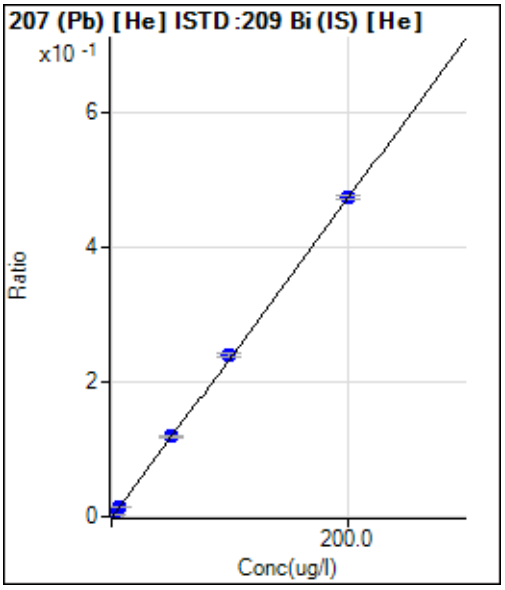
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	282.23	0.0004	P	8.4	
2	☐	1.200	1.260	2854.76	0.0038	P	4.8	5.0
3	☐	6.000	5.997	12639.27	0.0166	P	0.8	0.0
4	☐	50.000	49.709	101137.55	0.1345	P	1.7	-0.6
5	☐	100.000	100.644	202802.61	0.2720	P	0.9	0.6
6	☐	200.000	199.750	403882.86	0.5394	P	1.2	-0.1

y = 0.0027 * x + 3.7414E-004
R = 1.0000
DL = 0.03498 ug/l
BEC = 0.1386 ug/l

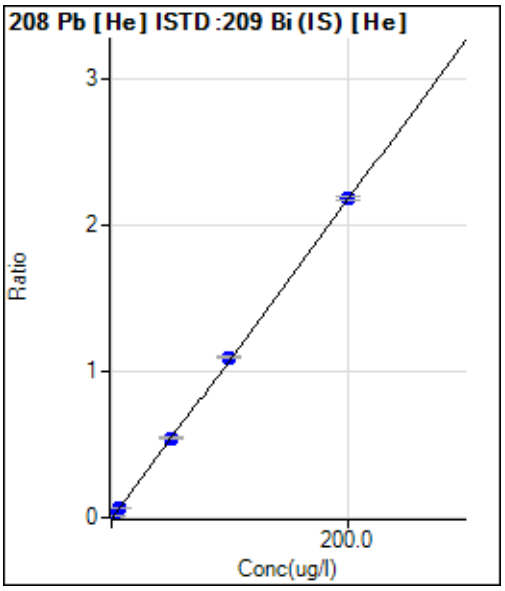
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	268.89	0.0004	P	2.0	
2	☐	1.200	1.205	2430.24	0.0032	P	0.9	0.4
3	☐	6.000	5.932	11014.52	0.0144	P	2.4	-1.1
4	☐	50.000	49.840	89174.61	0.1186	P	2.0	-0.3
5	☐	100.000	100.711	178412.66	0.2393	P	1.9	0.7
6	☐	200.000	199.686	354952.71	0.4741	P	1.3	-0.2

y = 0.0024 * x + 3.5651E-004
R = 1.0000
DL = 0.008873 ug/l
BEC = 0.1503 ug/l

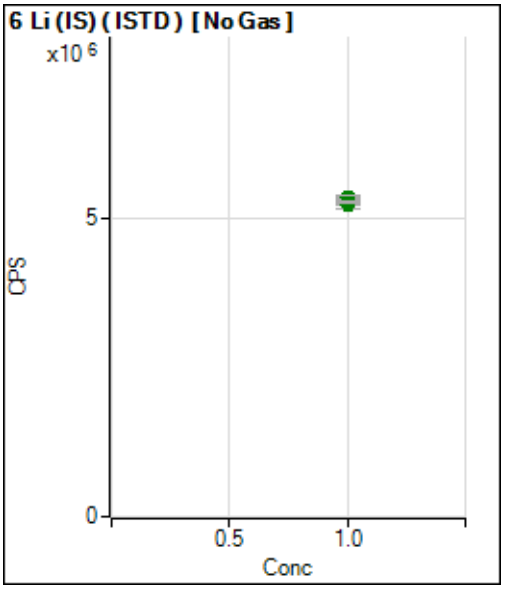
Weight: <None>
Min Conc: <None>



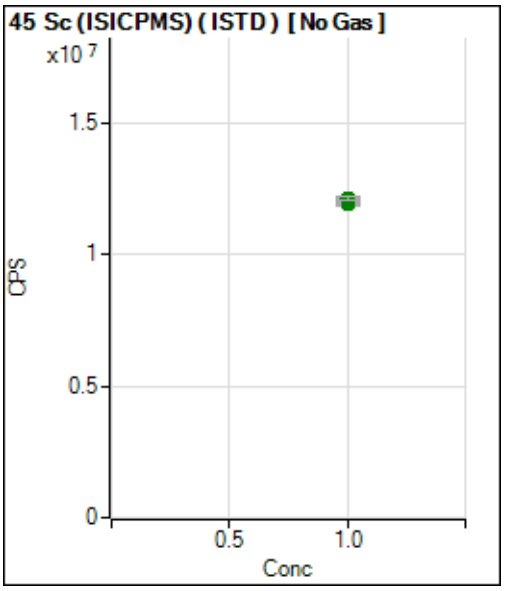
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1141.14	0.0015	P	4.0	
2	☐	1.200	1.218	11185.20	0.0148	P	1.2	1.5
3	☐	6.000	5.999	51074.91	0.0669	P	1.2	0.0
4	☐	50.000	49.756	408960.57	0.5439	P	0.8	-0.5
5	☐	100.000	100.294	816380.15	1.0949	P	0.8	0.3
6	☐	200.000	199.914	1632845.41	2.1809	P	0.9	0.0

y = 0.0109 * x + 0.0015
R = 1.0000
DL = 0.01682 ug/l
BEC = 0.1388 ug/l

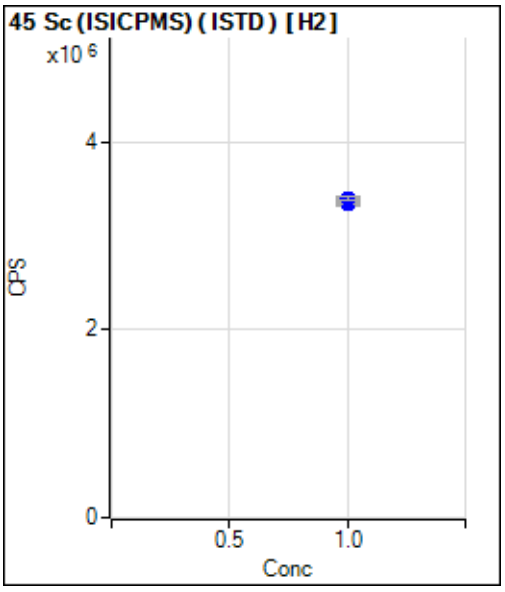
Weight: <None>
Min Conc: <None>



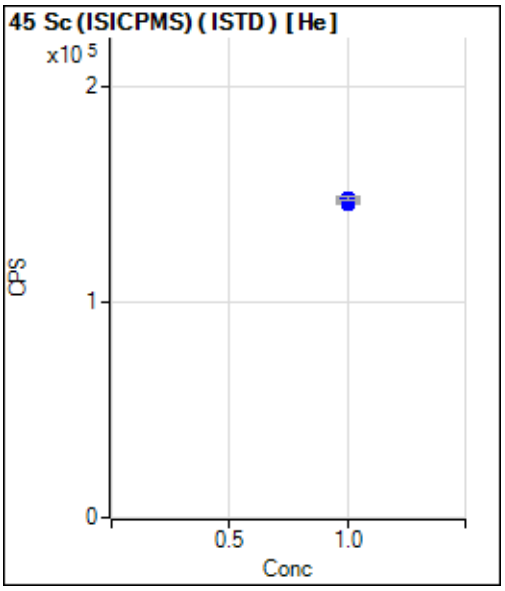
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5302201.69		A	0.9	
2	☐	1.000		5285720.93		A	1.9	
3	☐	1.000		5344481.20		A	1.6	
4	☐	1.000		5246023.26		A	1.2	
5	☐	1.000		5207342.25		A	1.6	
6	☐	1.000		5258757.94		A	0.9	



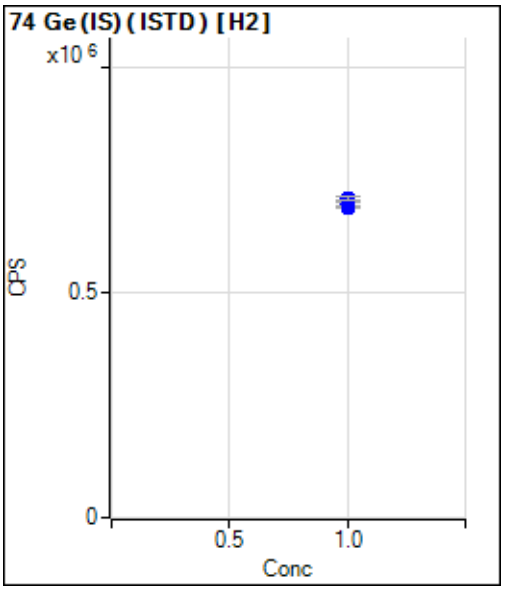
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		11944558.15		A	1.3	
2	☐	1.000		12032029.96		A	2.2	
3	☐	1.000		12103257.46		A	1.8	
4	☐	1.000		11952940.52		A	0.8	
5	☐	1.000		12034614.40		A	1.0	
6	☐	1.000		12149939.95		A	1.0	



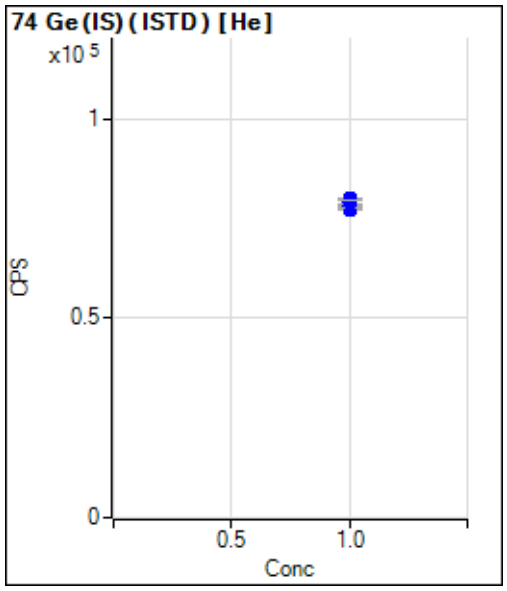
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3401688.08		P	0.5	
2	☐	1.000		3344829.78		P	0.6	
3	☐	1.000		3385362.69		P	0.7	
4	☐	1.000		3361564.46		P	2.0	
5	☐	1.000		3349942.73		P	1.1	
6	☐	1.000		3399105.57		P	1.2	



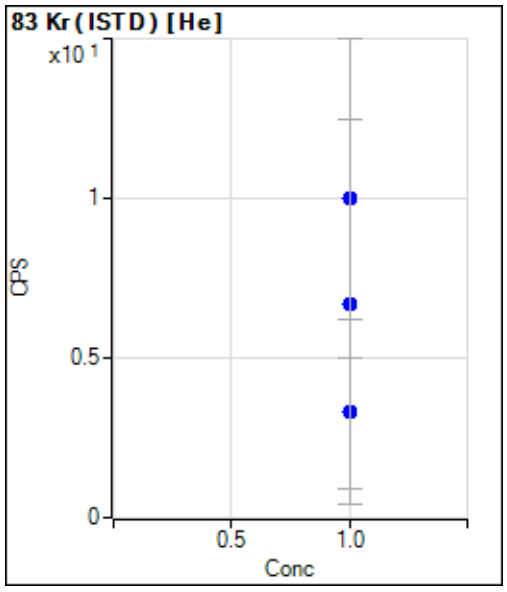
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		145918.83		P	0.2	
2	☐	1.000		146236.11		P	0.6	
3	☐	1.000		145841.32		P	0.6	
4	☐	1.000		147524.12		P	0.6	
5	☐	1.000		147400.55		P	0.3	
6	☐	1.000		148237.42		P	0.7	



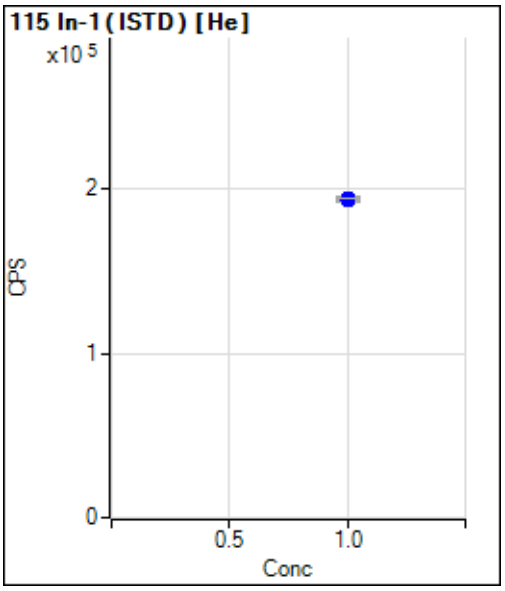
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		702022.33		P	0.4	
2	☐	1.000		689977.79		P	0.7	
3	☐	1.000		697803.64		P	1.4	
4	☐	1.000		709679.97		P	1.5	
5	☐	1.000		702994.86		P	0.9	
6	☐	1.000		710432.53		P	1.2	



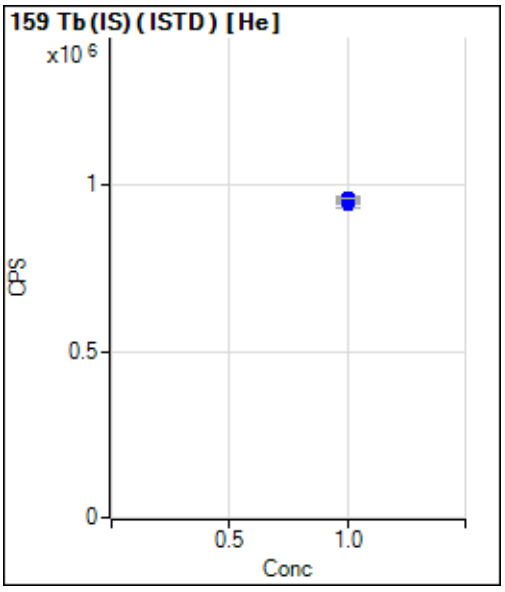
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		77882.56		P	0.9	
2	☐	1.000		77423.57		P	0.8	
3	☐	1.000		78225.45		P	0.8	
4	☐	1.000		79322.39		P	1.3	
5	☐	1.000		80080.92		P	0.2	
6	☐	1.000		79777.10		P	0.1	



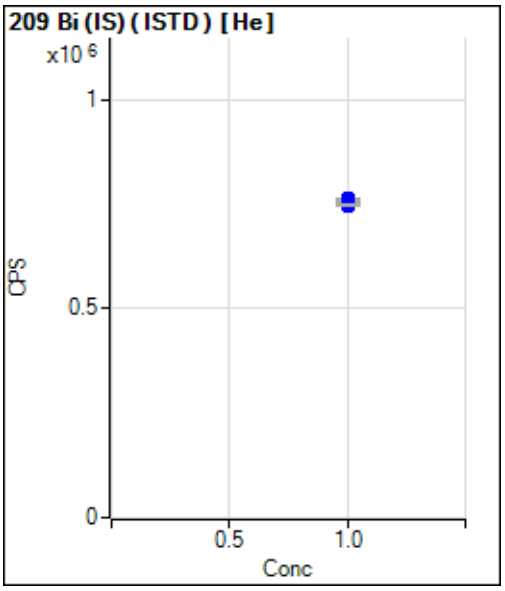
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.	
2	☐	1.000		3.34		P	173.	
3	☐	1.000		3.34		P	173.	
4	☐	1.000		10.01		P	100.	
5	☐	1.000		6.67		P	173.	
6	☐	1.000		6.67		P	173.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		192892.37		P	0.8	
2	☐	1.000		192870.59		P	1.0	
3	☐	1.000		194102.50		P	0.9	
4	☐	1.000		194029.99		P	1.2	
5	☐	1.000		193476.12		P	0.9	
6	☐	1.000		194550.47		P	0.6	



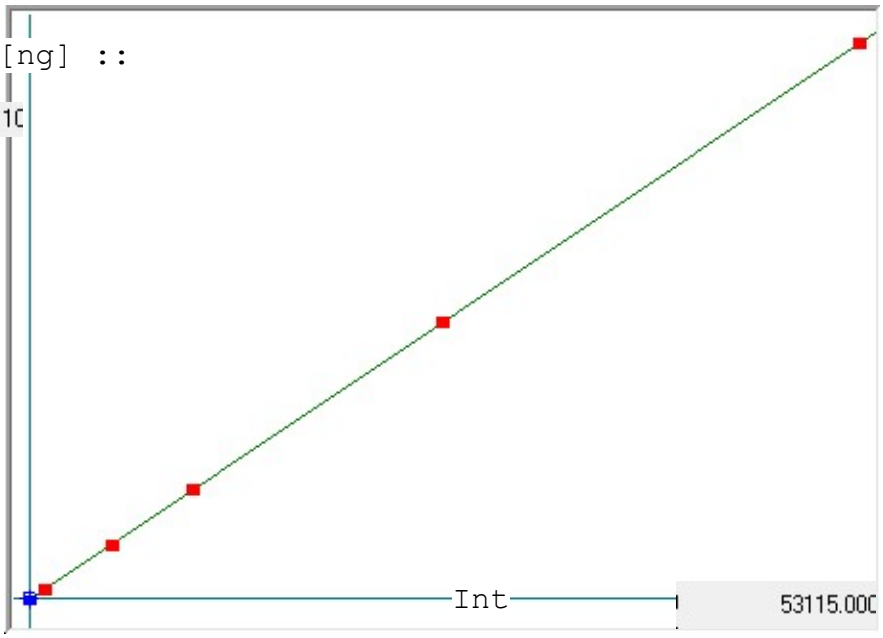
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		941313.23		P	0.1	
2	☐	1.000		940587.44		P	1.8	
3	☐	1.000		947404.62		P	1.2	
4	☐	1.000		949983.40		P	0.6	
5	☐	1.000		959639.89		P	0.8	
6	☐	1.000		960538.08		P	0.5	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		754286.77		P	0.5	
2	☐	1.000		756076.89		P	0.5	
3	☐	1.000		763277.13		P	0.6	
4	☐	1.000		751860.54		P	0.5	
5	☐	1.000		745676.15		P	0.7	
6	☐	1.000		748740.15		P	0.6	

245_7470A

Linear



A= 0.0000e+000

B= 1.8838e-004

C= 2.3727e-003

Rho= 0.9999945

Accept= Accepted

Accepted Date=

03/26/24 14:13

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.014	0.014	63	0.000	63				
0.2 ug/L	0.200	0.204	0.004	1069	0.0 %	1069				
1.0 ug/L	1.000	1.004	0.004	5317	0.0 %	5317				
2.0 ug/L	2.000	1.979	-0.021	10491	0.0 %	10491				
5.0 ug/L	5.000	4.991	-0.009	26484	0.0 %	26484				
10.0 ug/L	10.000	10.008	0.008	53115	0.0 %	53115				

9-IN
DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B MDL Date: 07/28/2023 00:00

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TOTAL RECOVERABLE

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B XMDL Date: 07/28/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B MDL Date: 07/28/2023 00:00

Prep Method: 3005A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: ICPMS3

Method: 6020B XMDL Date: 07/28/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		2	1.15
Barium		4	0.925
Cadmium		2	0.375
Chromium		4	1.65
Lead		1.2	0.417
Selenium		2.5	0.432
Silver		2	1.3

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 01/13/2020 12:28

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 01/13/2020 12:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

9-IN
DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A MDL Date: 01/13/2020 12:28

Prep Method: 7470A

Analyte	Wavelength/ Mass	RL (ug/L)	MDL (ug/L)
Mercury		0.2	0.091

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - DISSOLVED

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: LEEMAN6

Method: 7470A XMDL Date: 01/13/2020 12:29

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6020B
Barium		20000	6020B
Cadmium		5000	6020B
Chromium		20000	6020B
Lead		20000	6020B
Selenium		3000	6020B
Silver		1000	6020B

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965324/1-A	03/21/2024 19:20	965324		50	50
LCS 460-965324/2-A	03/21/2024 19:20	965324		50	50
460-300349-J-1-B DU	03/21/2024 19:20	965324		50	50
460-300349-J-1-C MS	03/21/2024 19:20	965324		50	50
460-300430-1	03/21/2024 19:20	965324		50	50
460-300430-2	03/21/2024 19:20	965324		50	50
460-300430-3	03/21/2024 19:20	965324		50	50

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Prep Method: 3005A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965990/1-B	03/26/2024 11:50	965991		10	10
LCS 460-965991/2-A	03/26/2024 11:50	965991		10	10
460-300484-H-2-L DU	03/26/2024 11:50	965991		10	10
460-300484-H-2-N MS	03/26/2024 11:50	965991		10	10
460-300484-H-2-O MSD	03/26/2024 11:50	965991		10	10
460-300430-1	03/26/2024 11:50	965991		10	10
460-300430-2	03/26/2024 11:50	965991		10	10
460-300430-3	03/26/2024 11:50	965991		10	10

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-965997/1-A	03/26/2024 13:18	965997		30	30
LCS 460-965997/2-A	03/26/2024 13:18	965997		30	30
460-300430-3	03/26/2024 13:18	965997		30	30
460-300430-3 DU	03/26/2024 13:18	965997		30	30
460-300430-3 MS	03/26/2024 13:18	965997		30	30
460-300430-1	03/26/2024 13:18	965997		30	30
460-300430-2	03/26/2024 13:18	965997		30	30

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MB 460-966001/1-B	03/26/2024 14:28	966002		30	30
460-299463-Q-1-B DU	03/26/2024 14:28	966002		30	30
460-299463-Q-1-C MS	03/26/2024 14:28	966002		30	30
460-299463-Q-1-D MSD	03/26/2024 14:28	966002		30	30
460-300430-1	03/26/2024 14:28	966002		30	30
460-300430-2	03/26/2024 14:28	966002		30	30
460-300430-3	03/26/2024 14:28	966002		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/23/2024 10:55 End Date: 03/23/2024 16:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
IC 460-965664/1	1		10:55	X	X	X	X	X	X	X													
IC 460-965664/2	1		10:58	X	X	X	X	X	X	X													
IC 460-965664/3	1		11:01	X	X	X	X	X	X	X													
IC 460-965664/4	1		11:03	X	X	X	X	X	X	X													
IC 460-965664/5	1		11:06	X	X	X	X	X	X	X													
IC 460-965664/6	1		11:08	X	X	X	X	X	X	X													
ICV 460-965664/7	1		11:11	X	X	X	X	X	X	X													
ICB 460-965664/8	1		11:13	X	X	X	X	X	X	X													
CRI 460-965664/9			11:15																				
ICSA 460-965664/10	1		11:18	X	X	X	X	X	X	X													
ICSAB 460-965664/11	1		11:20	X	X	X	X	X	X	X													
LRC 460-965664/12	1		11:22	X	X	X	X	X	X	X													
LRC 460-965664/13	1		11:25	X	X	X	X	X	X	X													
LRC 460-965664/14	1		11:27	X	X	X	X	X	X	X													
CCV 460-965664/15	1		11:39	X	X	X	X	X	X	X													
CCB 460-965664/16	1		11:41	X	X	X	X	X	X	X													
ZZZZZZ			11:43																				
ZZZZZZ			11:46																				
ZZZZZZ			11:48																				
ZZZZZZ			11:50																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
CCV 460-965664/23			11:57																				
CCB 460-965664/24			12:00																				
ZZZZZZ			12:02																				
ZZZZZZ			12:04																				
ZZZZZZ			12:07																				
ZZZZZZ			12:09																				
ZZZZZZ			12:11																				
ZZZZZZ			12:14																				
ZZZZZZ			12:16																				
ZZZZZZ			12:18																				
ZZZZZZ			12:21																				
ZZZZZZ			12:23																				
CCV 460-965664/35			12:25																				
CCB 460-965664/36			12:28																				
ZZZZZZ			12:30																				
ZZZZZZ			12:32																				
ZZZZZZ			12:35																				
ZZZZZZ			12:37																				
ZZZZZZ			12:39																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/23/2024 10:55 End Date: 03/23/2024 16:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			12:42																				
ZZZZZZ			12:44																				
ZZZZZZ			12:46																				
ZZZZZZ			12:49																				
ZZZZZZ			12:51																				
CCV 460-965664/47			12:53																				
CCB 460-965664/48			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			13:00																				
ZZZZZZ			13:03																				
ZZZZZZ			13:05																				
ZZZZZZ			13:07																				
ZZZZZZ			13:10																				
ZZZZZZ			13:12																				
ZZZZZZ			13:14																				
ZZZZZZ			13:17																				
ZZZZZZ			13:19																				
CCV 460-965664/59			13:21																				
CCB 460-965664/60			13:24																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:35																				
ZZZZZZ			13:38																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ZZZZZZ			13:44																				
ZZZZZZ			13:47																				
CCV 460-965664/71			13:49																				
CCB 460-965664/72			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:05																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:12																				
CCV 460-965664/82			14:15																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/23/2024 10:55 End Date: 03/23/2024 16:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCB 460-965664/83			14:17																				
ZZZZZZ			14:19																				
ZZZZZZ			14:22																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
CCV 460-965664/94			14:43																				
CCB 460-965664/95			14:45																				
ZZZZZZ			14:47																				
ZZZZZZ			14:50																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
ZZZZZZ			14:57																				
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:04																				
ZZZZZZ			15:06																				
ZZZZZZ			15:08																				
CCV 460-965664/106	1		15:11	X	X	X	X	X	X	X													
CCB 460-965664/107	1		15:13	X	X	X	X	X	X	X													
ZZZZZZ			15:15																				
MB 460-965324/1-A	1	R	15:18	X	X	X	X	X	X	X													
LCS 460-965324/2-A	1	R	15:20	X	X	X	X	X	X	X													
460-300349-J-1-A PDS	1	R	15:22	X	X	X	X	X	X	X													
460-300349-J-1-C MS	1	R	15:25	X	X	X	X	X	X	X													
460-300349-J-1-B DU	1	R	15:27	X	X	X	X	X	X	X													
ZZZZZZ			15:29																				
460-300349-J-1-A SD ^5	5	R	15:32	X	X	X	X	X	X	X													
ZZZZZZ			15:34																				
ZZZZZZ			15:36																				
CCV 460-965664/118	1		15:39	X	X	X	X	X	X	X													
CCB 460-965664/119	1		15:41	X	X	X	X	X	X	X													
ZZZZZZ			15:43																				
ZZZZZZ			15:46																				
ZZZZZZ			15:48																				
ZZZZZZ			15:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/23/2024 10:55 End Date: 03/23/2024 16:30

Lab Sample ID	D/F	Type	Time	Analytes																		
				Ag	As	Ba	Cd	Cr	Pb	Se												
460-300430-1	1	R	15:53	X	X	X	X	X	X	X												
460-300430-2	1	R	15:55	X	X	X	X	X	X	X												
460-300430-3	1	R	15:57	X	X	X	X	X	X	X												
ZZZZZZ			16:00																			
ZZZZZZ			16:02																			
ZZZZZZ			16:04																			
CCV 460-965664/130	1		16:07	X	X	X	X	X	X	X												
CCB 460-965664/131	1		16:09	X	X	X	X	X	X	X												
ZZZZZZ			16:11																			
ZZZZZZ			16:14																			
ZZZZZZ			16:16																			
ZZZZZZ			16:18																			
ZZZZZZ			16:21																			
ZZZZZZ			16:23																			
ZZZZZZ			16:25																			
CCV 460-965664/139			16:28																			
CCB 460-965664/140			16:30																			

Prep Types
R = Total Recoverable
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
IC 460-966084/1	1		15:01	X	X	X	X	X	X	X													
IC 460-966084/2	1		15:04	X	X	X	X	X	X	X													
IC 460-966084/3	1		15:06	X	X	X	X	X	X	X													
IC 460-966084/4	1		15:09	X	X	X	X	X	X	X													
IC 460-966084/5	1		15:11	X	X	X	X	X	X	X													
IC 460-966084/6	1		15:14	X	X	X	X	X	X	X													
ICV 460-966084/7	1		15:16	X	X	X	X	X	X	X													
ICB 460-966084/8	1		15:19	X	X	X	X	X	X	X													
ICSA 460-966084/9	1		15:24	X	X	X	X	X	X	X													
ICSAB 460-966084/10	1		15:26	X	X	X	X	X	X	X													
LRC 460-966084/11			15:28																				
CRI 460-966084/12			15:33																				
LRC 460-966084/13	1		15:38	X	X	X	X	X	X	X													
LRC 460-966084/14	1		15:46	X	X	X	X	X	X	X													
CCV 460-966084/15	1		15:53	X	X	X	X	X	X	X													
CCB 460-966084/16	1		15:55	X	X	X	X	X	X	X													
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:28																				
CCV 460-966084/23	1		16:36	X	X	X	X	X	X	X													
CCB 460-966084/24	1		16:38	X	X	X	X	X	X	X													
MB 460-965990/1-B	1	D	16:40	X	X	X	X	X	X	X													
LCS 460-965991/2-A	1	R	16:43	X	X	X	X	X	X	X													
460-300484-H-2-L DU	1	D	16:45	X	X	X	X	X	X	X													
ZZZZZZ			16:47																				
460-300484-H-2-M SD ^5	5	D	16:50	X	X	X	X	X	X	X													
460-300484-H-2-N MS	1	D	16:52	X	X	X	X	X	X	X													
460-300484-H-2-O MSD	1	D	16:54	X	X	X	X	X	X	X													
ZZZZZZ			16:57																				
CCV 460-966084/33	1		17:06	X	X	X	X	X	X	X													
CCB 460-966084/34	1		17:09	X	X	X	X	X	X	X													
ZZZZZZ			17:11																				
ZZZZZZ			17:13																				
ZZZZZZ			17:16																				
ZZZZZZ			17:18																				
ZZZZZZ			17:20																				
ZZZZZZ			17:23																				
460-300430-1	1	D	17:25	X	X	X	X	X	X	X													

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
460-300430-2	1	D	17:27	X	X	X	X	X	X	X													
CCV 460-966084/43	1		17:35	X	X	X	X	X	X	X													
CCB 460-966084/44	1		17:37	X	X	X	X	X	X	X													
460-300430-3	1	D	17:39	X	X	X	X	X	X	X													
ZZZZZZ			17:42																				
ZZZZZZ			17:44																				
ZZZZZZ			17:46																				
ZZZZZZ			17:49																				
ZZZZZZ			17:51																				
ZZZZZZ			17:54																				
ZZZZZZ			17:56																				
CCV 460-966084/53	1		18:03	X	X	X	X	X	X	X													
CCB 460-966084/54	1		18:05	X	X	X	X	X	X	X													
ZZZZZZ			18:08																				
ZZZZZZ			18:10																				
ZZZZZZ			18:13																				
ZZZZZZ			18:15																				
ZZZZZZ			18:17																				
ZZZZZZ			18:20																				
ZZZZZZ			18:22																				
ZZZZZZ			18:24																				
CCV 460-966084/63			18:31																				
CCB 460-966084/64			18:42																				
ZZZZZZ			18:44																				
ZZZZZZ			18:50																				
ZZZZZZ			18:52																				
ZZZZZZ			18:55																				
ZZZZZZ			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				
ZZZZZZ			19:04																				
ZZZZZZ			19:06																				
ZZZZZZ			19:09																				
CCV 460-966084/75			19:11																				
CCB 460-966084/76			19:14																				
ZZZZZZ			19:17																				
ZZZZZZ			19:19																				
ZZZZZZ			19:22																				
ZZZZZZ			19:24																				
ZZZZZZ			19:26																				
ZZZZZZ			19:29																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			19:31																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 460-966084/87			19:41																				
CCB 460-966084/88			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			20:00																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:07																				
CCV 460-966084/99			20:09																				
CCB 460-966084/100			20:12																				
ZZZZZZ			20:16																				
ZZZZZZ			20:19																				
ZZZZZZ			20:21																				
ZZZZZZ			20:23																				
ZZZZZZ			20:26																				
ZZZZZZ			20:28																				
ZZZZZZ			20:30																				
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:38																				
CCV 460-966084/111			20:40																				
CCB 460-966084/112			20:42																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				
ZZZZZZ			21:01																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
CCV 460-966084/123			21:08																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCB 460-966084/124			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:16																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:28																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:36																				
CCV 460-966084/135			21:39																				
CCB 460-966084/136			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:46																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:55																				
ZZZZZZ			21:58																				
ZZZZZZ			22:00																				
ZZZZZZ			22:02																				
ZZZZZZ			22:05																				
CCV 460-966084/147			22:07																				
CCB 460-966084/148			22:09																				
ZZZZZZ			22:12																				
ZZZZZZ			22:14																				
ZZZZZZ			22:17																				
ZZZZZZ			22:19																				
ZZZZZZ			22:21																				
ZZZZZZ			22:24																				
ZZZZZZ			22:26																				
ZZZZZZ			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:33																				
CCV 460-966084/159			22:36																				
CCB 460-966084/160			22:38																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: ICPMS3 Method: 6020B

Start Date: 03/26/2024 15:01 End Date: 03/27/2024 00:04

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			22:50																				
ZZZZZZ			22:52																				
ZZZZZZ			22:55																				
ZZZZZZ			22:57																				
ZZZZZZ			22:59																				
ZZZZZZ			23:02																				
CCV 460-966084/171			23:04																				
CCB 460-966084/172			23:07																				
ZZZZZZ			23:09																				
ZZZZZZ			23:11																				
ZZZZZZ			23:14																				
ZZZZZZ			23:16																				
ZZZZZZ			23:18																				
ZZZZZZ			23:21																				
ZZZZZZ			23:23																				
ZZZZZZ			23:26																				
ZZZZZZ			23:28																				
ZZZZZZ			23:30																				
CCV 460-966084/183			23:33																				
CCB 460-966084/184			23:35																				
ZZZZZZ			23:37																				
ZZZZZZ			23:40																				
ZZZZZZ			23:42																				
ZZZZZZ			23:45																				
ZZZZZZ			23:47																				
ZZZZZZ			23:49																				
ZZZZZZ			23:52																				
ZZZZZZ			23:54																				
ZZZZZZ			23:56																				
ZZZZZZ			23:59																				
CCV 460-966084/195			00:01																				
CCB 460-966084/196			00:04																				

Prep Types

D = Dissolved

R = Total Recoverable

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			13:50																				
ZZZZZZ			13:52																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:57																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ICIS 460-966040/8			14:03	X																			
IC 460-965997/26-A			14:04	X																			
IC 460-965997/27-A			14:06	X																			
IC 460-965997/28-A			14:08	X																			
IC 460-965997/29-A			14:09	X																			
IC 460-965997/30-A			14:11	X																			
ICV 460-965997/31-A	1		14:13	X																			
ICB 460-966040/15	1		14:15	X																			
CRI 460-965997/32-A	1		14:17	X																			
ZZZZZZ			14:19																				
ZZZZZZ			14:20																				
CCV 460-965997/35-A	1		14:22	X																			
CCB 460-966040/20	1		14:24	X																			
MB 460-965997/1-A	1	T	14:26	X																			
LCS 460-965997/2-A	1	T	14:28	X																			
460-300430-3	1	T	14:29	X																			
460-300430-3 DU	1	T	14:31	X																			
460-300430-3 MS	1	T	14:33	X																			
460-300430-3 SD	5	T	14:35	X																			
ZZZZZZ			14:36																				
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
CCV 460-965997/35-A	1		14:43	X																			
CCB 460-966040/32	1		14:45	X																			
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:50																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
ZZZZZZ			14:55																				
ZZZZZZ			14:57																				
ZZZZZZ			14:59																				
460-300430-1	1	T	15:00	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
460-300430-2	1	T	15:02	X																			
CCV 460-965997/35-A	1		15:04	X																			
CCB 460-966040/44	1		15:05	X																			
ZZZZZZ			15:07																				
ZZZZZZ			15:09																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:14																				
ZZZZZZ			15:16																				
MB 460-966001/1-B	1	D	15:18	X																			
ZZZZZZ			15:19																				
ZZZZZZ			15:21																				
460-299463-Q-1-B DU	1	D	15:23	X																			
CCV 460-965997/35-A	1		15:24	X																			
CCB 460-966040/56	1		15:26	X																			
460-299463-Q-1-C MS	1	D	15:28	X																			
460-299463-Q-1-D MSD	1	D	15:30	X																			
460-299463-Q-1-A SD ^5	5	D	15:32	X																			
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:37																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
ZZZZZZ			15:42																				
ZZZZZZ			15:44																				
CCV 460-965997/35-A	1		15:45	X																			
CCB 460-966040/68	1		15:47	X																			
ZZZZZZ			15:49																				
ZZZZZZ			15:50																				
ZZZZZZ			15:52																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:57																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ZZZZZZ			16:02																				
460-300430-1	1	D	16:04	X																			
CCV 460-965997/35-A	1		16:06	X																			
CCB 460-966040/80	1		16:08	X																			
460-300430-2	1	D	16:10	X																			
460-300430-3	1	D	16:11	X																			

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7470A

Start Date: 03/26/2024 13:50 End Date: 03/26/2024 17:09

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:13																				
ZZZZZZ			16:15																				
ZZZZZZ			16:16																				
ZZZZZZ			16:18																				
ZZZZZZ			16:20																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:25																				
CCV 460-965997/35-A	1		16:27	X																			
CCB 460-966040/92	1		16:29	X																			
ZZZZZZ			16:31																				
ZZZZZZ			16:32																				
ZZZZZZ			16:34																				
ZZZZZZ			16:36																				
ZZZZZZ			16:38																				
ZZZZZZ			16:39																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
CCV 460-965997/35-A			16:48																				
CCB 460-966040/104			16:50																				
ZZZZZZ			16:52																				
ZZZZZZ			16:53																				
ZZZZZZ			16:55																				
ZZZZZZ			16:57																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:06																				
CCV 460-965997/35-A			17:07																				
CCB 460-966040/115			17:09																				

Prep Types
D = Dissolved
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: Analysis Batch No.: 965664

ICP-MS Instrument ID: ICPMS3 Start Date: 03/23/2024 End Date: 03/23/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-965664/1	10:55	100		100		100		100		100	
IC 460-965664/2	10:58	100		101		98		100		98	
IC 460-965664/3	11:01	101		101		100		100		99	
IC 460-965664/4	11:03	99		100		99		101		101	
IC 460-965664/5	11:06	98		101		99		101		100	
IC 460-965664/6	11:08	99		102		100		102		101	
ICV 460-965664/7	11:11	97		98		96		98		99	
ICB 460-965664/8	11:13	97		100		97		99		97	
ICSA 460-965664/10	11:18	90		98		94		96		96	
ICSAB 460-965664/11	11:20	91		99		94		98		96	
LRC 460-965664/12	11:22	93		97		88		88		92	
LRC 460-965664/13	11:25	87		99		96		103		94	
LRC 460-965664/14	11:27	96		95		92		97		95	
CCV 460-965664/15	11:39	97		95		87		90		91	
CCB 460-965664/16	11:41	99		96		90		93		90	
CCV 460-965664/106	15:11	97		96		86		87		90	
CCB 460-965664/107	15:13	98		97		87		89		89	
MB 460-965324/1-A	15:18	101		99		88		90		89	
LCS 460-965324/2-A	15:20	101		99		88		90		91	
460-300349-J-1-A	15:22	96		94		88		88		92	
PDS 460-300349-J-1-C MS	15:25	96		96		88		88		92	
460-300349-J-1-B DU	15:27	94		95		87		86		91	
460-300349-J-1-A SD	15:32	98		96		87		87		93	
^5 CCV 460-965664/118	15:39	96		92		82		83		86	
CCB 460-965664/119	15:41	99		95		85		86		86	
460-300430-1	15:53	90		94		84		85		85	
460-300430-2	15:55	95		95		85		86		90	
460-300430-3	15:57	94		94		85		85		88	
CCV 460-965664/130	16:07	97		93		82		84		87	
CCB 460-965664/131	16:09	98		95		86		89		88	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: Analysis Batch No.: 965664

ICP-MS Instrument ID: ICPMS3 Start Date: 03/23/2024 End Date: 03/23/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-965664/1	10:55	100		100		100		100			
IC 460-965664/2	10:58	99		100		100		100			
IC 460-965664/3	11:01	100		101		101		101			
IC 460-965664/4	11:03	102		101		101		100			
IC 460-965664/5	11:06	103		100		102		99			
IC 460-965664/6	11:08	102		101		102		99			
ICV 460-965664/7	11:11	101		100		101		99			
ICB 460-965664/8	11:13	99		101		101		102			
ICSA 460-965664/10	11:18	99		95		98		93			
ICSAB 460-965664/11	11:20	100		96		98		93			
LRC 460-965664/12	11:22	93		97		100		101			
LRC 460-965664/13	11:25	100		95		96		87			
LRC 460-965664/14	11:27	98		99		101		97			
CCV 460-965664/15	11:39	95		96		100		98			
CCB 460-965664/16	11:41	94		99		102		102			
CCV 460-965664/106	15:11	92		97		103		102			
CCB 460-965664/107	15:13	92		99		103		105			
MB 460-965324/1-A	15:18	92		100		104		104			
LCS 460-965324/2-A	15:20	94		99		105		105			
460-300349-J-1-A	15:22	93		96		103		99			
PDS 460-300349-J-1-C MS	15:25	95		98		104		101			
460-300349-J-1-B DU	15:27	93		96		103		99			
460-300349-J-1-A SD	15:32	94		98		105		104			
^5 CCV 460-965664/118	15:39	88		93		103		101			
CCB 460-965664/119	15:41	88		97		103		104			
460-300430-1	15:53	88		90		97		92			
460-300430-2	15:55	92		95		102		100			
460-300430-3	15:57	90		94		101		96			
CCV 460-965664/130	16:07	90		95		104		101			
CCB 460-965664/131	16:09	90		99		104		105			
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: Analysis Batch No.: 966084

ICP-MS Instrument ID: ICPMS3 Start Date: 03/26/2024 End Date: 03/26/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-966084/1	15:01	100		100		100		100		100	
IC 460-966084/2	15:04	103		104		101		101		99	
IC 460-966084/3	15:06	101		104		102		102		99	
IC 460-966084/4	15:09	97		100		100		98		97	
IC 460-966084/5	15:11	94		99		101		100		97	
IC 460-966084/6	15:14	95		100		99		99		96	
ICV 460-966084/7	15:16	89		98		98		98		96	
ICB 460-966084/8	15:19	88		98		98		97		96	
ICSA 460-966084/9	15:24	85		97		98		97		93	
ICSAB 460-966084/10	15:26	80		96		96		96		92	
LRC 460-966084/13	15:38	73		93		96		95		91	
LRC 460-966084/14	15:46	82		94		95		98		86	
CCV 460-966084/15	15:53	71		93		94		93		89	
CCB 460-966084/16	15:55	69		90		93		91		89	
CCV 460-966084/23	16:36	71		88		90		88		85	
CCB 460-966084/24	16:38	65		86		90		86		85	
MB 460-965990/1-B	16:40	68		88		91		89		86	
LCS 460-965991/2-A	16:43	68		87		92		89		87	
460-300484-H-2-L DU	16:45	74		92		94		91		87	
460-300484-H-2-M SD	16:50	74		90		92		92		87	
^5 460-300484-H-2-N MS	16:52	75		90		94		93		88	
460-300484-H-2-O MSD	16:54	78		91		94		94		88	
CCV 460-966084/33	17:06	71		87		89		88		85	
CCB 460-966084/34	17:09	68		87		90		89		85	
460-300430-1	17:25	77		90		94		95		86	
460-300430-2	17:27	77		93		96		96		90	
CCV 460-966084/43	17:35	73		89		92		91		86	
CCB 460-966084/44	17:37	70		90		93		91		87	
460-300430-3	17:39	75		90		93		93		87	
CCV 460-966084/53	18:03	65		86		90		87		84	
CCB 460-966084/54	18:05	64		88		90		89		85	
IS Name on Instrument											

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.: Analysis Batch No.: 966084

ICP-MS Instrument ID: ICPMS3 Start Date: 03/26/2024 End Date: 03/26/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-966084/1	15:01	100		100		100		100			
IC 460-966084/2	15:04	98		102		101		101			
IC 460-966084/3	15:06	100		102		101		101			
IC 460-966084/4	15:09	97		98		99		97			
IC 460-966084/5	15:11	97		98		100		98			
IC 460-966084/6	15:14	96		98		99		96			
ICV 460-966084/7	15:16	96		98		100		98			
ICB 460-966084/8	15:19	95		97		99		99			
ICSA 460-966084/9	15:24	94		95		98		93			
ICSAB 460-966084/10	15:26	93		96		98		93			
LRC 460-966084/13	15:38	90		97		97		92			
LRC 460-966084/14	15:46	89		92		95		86			
CCV 460-966084/15	15:53	90		95		96		94			
CCB 460-966084/16	15:55	87		94		95		95			
CCV 460-966084/23	16:36	86		91		94		92			
CCB 460-966084/24	16:38	84		90		92		92			
MB 460-965990/1-B	16:40	85		92		93		94			
LCS 460-965991/2-A	16:43	86		93		94		95			
460-300484-H-2-L DU	16:45	87		92		94		91			
460-300484-H-2-M SD	16:50	86		92		95		93			
^5 460-300484-H-2-N MS	16:52	89		93		96		92			
460-300484-H-2-O	16:54	89		94		95		91			
MSD CCV 460-966084/33	17:06	85		91		92		91			
CCB 460-966084/34	17:09	85		92		94		94			
460-300430-1	17:25	87		91		92		87			
460-300430-2	17:27	91		95		97		94			
CCV 460-966084/43	17:35	86		92		94		92			
CCB 460-966084/44	17:37	87		93		94		95			
460-300430-3	17:39	86		91		92		89			
CCV 460-966084/53	18:03	84		91		92		91			
CCB 460-966084/54	18:05	86		92		92		93			
IS Name on Instrument											

Sample Report

File Name 001SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 10:48:31

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	15250.89	0.8		70	120	
Sc (ISICPMS)	45	No Gas	3649.35	3.2		70	120	
Sc (ISICPMS)	45	H2	798.92	7.4		70	120	
Sc (ISICPMS)	45	He	30.00	29.4		70	120	
Ge (IS)	74	H2	16493.69	1.9		70	120	
Ge (IS)	74	He	1751.22	5.8		70	120	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	88395.43	1.0		70	120	
Tb (IS)	159	He	38.89	21.6		70	120	
Bi (IS)	209	He	2074.62	2.5		70	120	

Sample Report

File Name 002SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 10:50:54

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1146464.82	169.2		70	120	
Sc (ISICPMS)	45	No Gas	2496069.72	169.2		70	120	
Sc (ISICPMS)	45	H2	3285449.08	1.6		70	120	
Sc (ISICPMS)	45	He	145088.47	0.3		70	120	
Ge (IS)	74	H2	675141.91	1.2		70	120	
Ge (IS)	74	He	76562.27	0.4		70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191365.02	0.8		70	120	
Tb (IS)	159	He	938667.98	0.4		70	120	
Bi (IS)	209	He	752212.17	0.2		70	120	

Sample Report

File Name 003SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 10:53:17

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5364372.80	0.6		70	120	
Sc (ISICPMS)	45	No Gas	12107660.37	1.2		70	120	
Sc (ISICPMS)	45	H2	3377386.65	0.9		70	120	
Sc (ISICPMS)	45	He	145275.81	0.3		70	120	
Ge (IS)	74	H2	694190.53	1.1		70	120	
Ge (IS)	74	He	76938.85	1.0		70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	193051.23	0.8		70	120	
Tb (IS)	159	He	946392.71	1.2		70	120	
Bi (IS)	209	He	755501.38	1.2		70	120	

Calibration Blank

File Name 004CALB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 10:55:39

Sample Name **IC Cal Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	25.56	32.8
B	11	6	No Gas	5031.95	1.5
Na	23	45	He	21389.38	0.3
Mg	24	45	He	150.00	15.6
Al	27	45	He	103.34	14.8
K	39	45	He	7714.22	4.8
Ca	40	45	H2	81687.37	0.8
Ti	47	45	No Gas	1177.83	3.9
V	51	74	He	495.57	3.8
Cr	52	74	He	6570.36	3.2
Mn	55	74	He	142.22	12.9
Fe	56	74	H2	85850.71	0.8
Co	59	74	He	66.67	32.8
Ni	60	74	He	392.23	7.7
Cu	63	74	He	595.57	7.5
Zn	66	74	He	488.90	6.8
As	75	74	He	15.56	32.7
Se	78	74	H2	2.22	173.2
Sr	88	115	He	56.67	31.1
Mo	95	115	He	35.55	47.2
Ag	107	115	He	18.89	27.0
Cd	111	115	He	1.11	173.2
Sn	118	115	He	2413.56	3.5
Sb	121	115	He	24.45	28.4
Ba	137	159	He	23.33	14.3
Tl	205	159	He	802.25	9.6
(Pb)	206	209	He	282.23	8.5
(Pb)	207	209	He	268.89	1.4
Pb	208	209	He	1141.14	4.4

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	5302201.69	0.9	100.0
Sc (ISICPMS)	45	No Gas	11944558.15	1.3	100.0
Sc (ISICPMS)	45	H2	3401688.08	0.5	100.0
Sc (ISICPMS)	45	He	145918.83	0.2	100.0
Ge (IS)	74	H2	702022.33	0.4	100.0
Ge (IS)	74	He	77882.56	0.9	100.0
Kr	83	He	3.34	173.2	100.0

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	192892.37	0.8	100.0
Tb (IS)	159	He	941313.23	0.1	100.0
Bi (IS)	209	He	754286.77	0.5	100.0

Calibration Standard

File Name 005CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 10:58:30

Sample Name **IC Cal-1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	1764.56	3.8
B	11	6	No Gas	136625.29	1.1
Na	23	45	He	49555.21	0.9
Mg	24	45	He	12561.84	0.7
Al	27	45	He	846.70	10.3
K	39	45	He	16438.97	1.5
Ca	40	45	H2	583012.53	1.2
Ti	47	45	No Gas	6550.34	2.6
V	51	74	He	3906.08	0.6
Cr	52	74	He	11085.25	0.7
Mn	55	74	He	3769.38	2.0
Fe	56	74	H2	751243.26	1.1
Co	59	74	He	8016.64	2.3
Ni	60	74	He	2710.26	4.4
Cu	63	74	He	7021.68	1.4
Zn	66	74	He	3213.70	6.4
As	75	74	He	253.33	18.7
Se	78	74	H2	487.79	8.2
Sr	88	115	He	1920.14	7.7
Mo	95	115	He	2973.65	5.1
Ag	107	115	He	5236.53	1.6
Cd	111	115	He	578.91	7.1
Sn	118	115	He	10893.08	1.9
Sb	121	115	He	1338.96	4.2
Ba	137	159	He	983.37	7.9
Tl	205	159	He	5699.01	1.5
(Pb)	206	209	He	2854.76	5.2
(Pb)	207	209	He	2430.24	1.0
Pb	208	209	He	11185.20	1.6

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5285720.93	1.9	99.7	70	120	
Sc (ISICPMS)	45	No Gas	12032029.96	2.2	100.7	70	120	
Sc (ISICPMS)	45	H2	3344829.78	0.6	98.3	70	120	
Sc (ISICPMS)	45	He	146236.11	0.6	100.2	70	120	
Ge (IS)	74	H2	689977.79	0.7	98.3	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	77423.57	0.8	99.4	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	192870.59	1.0	100.0	70	120	
Tb (IS)	159	He	940587.44	1.8	99.9	70	120	
Bi (IS)	209	He	756076.89	0.5	100.2	70	120	

Calibration Standard

File Name 006CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:01:04

Sample Name **IC Cal-2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	9401.78	2.7
B	11	6	No Gas	668491.53	1.2
Na	23	45	He	154300.00	0.5
Mg	24	45	He	61682.45	0.2
Al	27	45	He	3545.99	2.3
K	39	45	He	50688.71	0.8
Ca	40	45	H2	2507256.09	0.7
Ti	47	45	No Gas	28045.30	3.2
V	51	74	He	17604.78	1.6
Cr	52	74	He	29478.89	0.3
Mn	55	74	He	17989.72	1.2
Fe	56	74	H2	3344607.69	0.4
Co	59	74	He	40345.34	1.1
Ni	60	74	He	11510.02	2.9
Cu	63	74	He	31200.40	1.1
Zn	66	74	He	13624.04	1.2
As	75	74	He	1168.94	4.1
Se	78	74	H2	2379.10	5.4
Sr	88	115	He	9427.53	2.5
Mo	95	115	He	14779.77	1.9
Ag	107	115	He	26285.01	1.4
Cd	111	115	He	2939.21	2.7
Sn	118	115	He	45155.22	0.4
Sb	121	115	He	6691.60	2.7
Ba	137	159	He	4946.45	1.3
Tl	205	159	He	25884.68	0.8
(Pb)	206	209	He	12639.27	1.0
(Pb)	207	209	He	11014.52	2.8
Pb	208	209	He	51074.91	1.6

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5344481.20	1.6	100.8	70	120	
Sc (ISICPMS)	45	No Gas	12103257.46	1.8	101.3	70	120	
Sc (ISICPMS)	45	H2	3385362.69	0.7	99.5	70	120	
Sc (ISICPMS)	45	He	145841.32	0.6	99.9	70	120	
Ge (IS)	74	H2	697803.64	1.4	99.4	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	78225.45	0.8	100.4	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	194102.50	0.9	100.6	70	120	
Tb (IS)	159	He	947404.62	1.2	100.6	70	120	
Bi (IS)	209	He	763277.13	0.6	101.2	70	120	

Calibration Standard

File Name 007CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:03:37

Sample Name **IC Cal-3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	117772.38	1.0
B	11	6	No Gas	215481.79	0.7
Na	23	45	He	1659894.47	0.2
Mg	24	45	He	771384.16	0.4
Al	27	45	He	215395.18	0.6
K	39	45	He	540511.48	0.6
Ca	40	45	H2	28698083.74	1.9
Ti	47	45	No Gas	68522.43	0.7
V	51	74	He	43113.81	0.2
Cr	52	74	He	64014.42	0.6
Mn	55	74	He	22723.90	1.5
Fe	56	74	H2	64615721.81	1.4
Co	59	74	He	101576.36	0.6
Ni	60	74	He	28450.40	0.5
Cu	63	74	He	77078.92	1.0
Zn	66	74	He	21238.54	0.8
As	75	74	He	5574.42	1.7
Se	78	74	H2	9679.88	0.8
Sr	88	115	He	23572.37	0.5
Mo	95	115	He	37107.14	2.4
Ag	107	115	He	65440.54	1.3
Cd	111	115	He	14364.98	0.6
Sn	118	115	He	28929.15	0.5
Sb	121	115	He	33058.08	1.4
Ba	137	159	He	12210.88	1.2
Tl	205	159	He	314541.17	0.9
(Pb)	206	209	He	101137.55	1.1
(Pb)	207	209	He	89174.61	2.5
Pb	208	209	He	408960.57	1.1

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5246023.26	1.2	98.9	70	120	
Sc (ISICPMS)	45	No Gas	11952940.52	0.8	100.1	70	120	
Sc (ISICPMS)	45	H2	3361564.46	2.0	98.8	70	120	
Sc (ISICPMS)	45	He	147524.12	0.6	101.1	70	120	
Ge (IS)	74	H2	709679.97	1.5	101.1	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	79322.39	1.3	101.8	70	120	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	194029.99	1.2	100.6	70	120	
Tb (IS)	159	He	949983.40	0.6	100.9	70	120	
Bi (IS)	209	He	751860.54	0.5	99.7	70	120	

Calibration Standard

File Name 008CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:06:08

Sample Name **IC Cal-4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	235182.80	1.4
B	11	6	No Gas	418982.40	1.2
Na	23	45	He	3292003.04	0.3
Mg	24	45	He	1542112.53	0.6
Al	27	45	He	429752.87	0.7
K	39	45	He	1073900.44	0.3
Ca	40	45	H2	57938421.36	1.1
Ti	47	45	No Gas	136963.50	1.3
V	51	74	He	86737.05	1.0
Cr	52	74	He	121662.42	0.9
Mn	55	74	He	45122.12	0.5
Fe	56	74	H2	129081843.63	0.8
Co	59	74	He	203059.30	0.9
Ni	60	74	He	56330.02	0.2
Cu	63	74	He	153762.10	0.5
Zn	66	74	He	42188.59	0.3
As	75	74	He	11452.26	1.3
Se	78	74	H2	19324.92	0.6
Sr	88	115	He	47739.69	1.0
Mo	95	115	He	75592.64	0.6
Ag	107	115	He	129674.44	0.6
Cd	111	115	He	28583.94	1.8
Sn	118	115	He	55428.77	0.9
Sb	121	115	He	65122.79	0.7
Ba	137	159	He	24149.49	0.9
Tl	205	159	He	629524.01	0.6
(Pb)	206	209	He	202802.61	0.3
(Pb)	207	209	He	178412.66	1.3
Pb	208	209	He	816380.15	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5207342.25	1.6	98.2	70	120	
Sc (ISICPMS)	45	No Gas	12034614.40	1.0	100.8	70	120	
Sc (ISICPMS)	45	H2	3349942.73	1.1	98.5	70	120	
Sc (ISICPMS)	45	He	147400.55	0.3	101.0	70	120	
Ge (IS)	74	H2	702994.86	0.9	100.1	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	80080.92	0.2	102.8	70	120	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	193476.12	0.9	100.3	70	120	
Tb (IS)	159	He	959639.89	0.8	101.9	70	120	
Bi (IS)	209	He	745676.15	0.7	98.9	70	120	

Calibration Standard

File Name 009CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:08:39

Sample Name **IC Cal-5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	469792.67	0.6
B	11	6	No Gas	827932.65	0.2
Na	23	45	He	6379115.60	0.7
Mg	24	45	He	3076145.06	0.3
Al	27	45	He	869323.41	0.4
K	39	45	He	2158509.72	0.6
Ca	40	45	H2	118176421.57	1.3
Ti	47	45	No Gas	276629.65	0.4
V	51	74	He	176110.36	0.3
Cr	52	74	He	237477.79	0.7
Mn	55	74	He	90582.59	0.9
Fe	56	74	H2	260063302.79	1.4
Co	59	74	He	404347.70	0.6
Ni	60	74	He	112417.93	0.6
Cu	63	74	He	304278.31	0.4
Zn	66	74	He	85241.14	0.2
As	75	74	He	23039.10	1.9
Se	78	74	H2	38847.62	1.4
Sr	88	115	He	96874.55	0.3
Mo	95	115	He	150114.21	0.1
Ag	107	115	He	259191.58	0.0
Cd	111	115	He	57678.30	0.6
Sn	118	115	He	110559.00	0.9
Sb	121	115	He	128913.79	0.9
Ba	137	159	He	49097.05	0.5
Tl	205	159	He	1256204.11	0.2
(Pb)	206	209	He	403882.86	0.7
(Pb)	207	209	He	354952.71	0.8
Pb	208	209	He	1632845.41	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5258757.94	0.9	99.2	70	120	
Sc (ISICPMS)	45	No Gas	12149939.95	1.0	101.7	70	120	
Sc (ISICPMS)	45	H2	3399105.57	1.2	99.9	70	120	
Sc (ISICPMS)	45	He	148237.42	0.7	101.6	70	120	
Ge (IS)	74	H2	710432.53	1.2	101.2	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	79777.10	0.1	102.4	70	120	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	194550.47	0.6	100.9	70	120	
Tb (IS)	159	He	960538.08	0.5	102.0	70	120	
Bi (IS)	209	He	748740.15	0.6	99.3	70	120	

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:11:10

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	80.247	ug/l	0.9	80	72	88	
B	11	6	No Gas	206.705	ug/l	1.4	200	180	220	
Na	23	45	He	20561.953	ug/l	0.3	20000	18000	22000	
Mg	24	45	He	20162.921	ug/l	0.4	20000	18000	22000	
Al	27	45	He	19958.003	ug/l	0.5	20000	18000	22000	
K	39	45	He	19974.787	ug/l	0.3	20000	18000	22000	
Ca	40	45	H2	19721.009	ug/l	0.8	20000	18000	22000	
Ti	47	45	No Gas	79.672	ug/l	0.8	80	72	88	
V	51	74	He	78.974	ug/l	1.6	80	72	88	
Cr	52	74	He	78.400	ug/l	1.2	80	72	88	
Mn	55	74	He	76.357	ug/l	0.0	80	72	88	
Fe	56	74	H2	19771.539	ug/l	0.1	20000	18000	22000	
Co	59	74	He	79.786	ug/l	0.7	80	72	88	
Ni	60	74	He	79.853	ug/l	0.8	80	72	88	
Cu	63	74	He	80.495	ug/l	1.0	80	72	88	
Zn	66	74	He	194.834	ug/l	1.8	200	180	220	
As	75	74	He	79.633	ug/l	0.6	80	72	88	
Se	78	74	H2	81.532	ug/l	1.7	80	72	88	
Sr	88	115	He	79.030	ug/l	0.3	80	72	88	
Mo	95	115	He	81.296	ug/l	0.8	80	72	88	
Ag	107	115	He	40.693	ug/l	0.1	40	36	44	
Cd	111	115	He	80.099	ug/l	0.9	80	72	88	
Sn	118	115	He	80.298	ug/l	1.0	80	72	88	
Sb	121	115	He	82.264	ug/l	0.8	80	72	88	
Ba	137	159	He	80.502	ug/l	1.0	80	72	88	
Tl	205	159	He	81.584	ug/l	1.2	80	72	88	
(Pb)	206	209	He	81.751	ug/l	0.9				
(Pb)	207	209	He	79.798	ug/l	0.2				
Pb	208	209	He	80.498	ug/l	0.7	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5124195.27	0.5	96.6	70	120	
Sc (ISICPMS)	45	No Gas	11732735.24	1.6	98.2	70	120	
Sc (ISICPMS)	45	H2	3279861.82	0.7	96.4	70	120	
Sc (ISICPMS)	45	He	143416.16	0.2	98.3	70	120	
Ge (IS)	74	H2	691968.37	0.4	98.6	70	120	
Ge (IS)	74	He	78766.07	1.2	101.1	70	120	

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	193049.97	0.2	100.1	70	120	
Tb (IS)	159	He	947428.77	0.4	100.6	70	120	
Bi (IS)	209	He	745347.38	0.8	98.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:13:29

Sample Name **ICB**

Comment ---

Dilution 1.0000

Multiplier Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.021	ug/l	13.1	0.8	-0.4	0.4	
B	11	6	No Gas	3.411	ug/l	4.9	80	-40	40	
Na	23	45	He	0.418	ug/l	170.9	500	-250	250	
Mg	24	45	He	1.959	ug/l	24.5	200	-100	100	
Al	27	45	He	2.972	ug/l	50.6	40	-20	20	
K	39	45	He	6.692	ug/l	59.8	200	-100	100	
Ca	40	45	H2	2.388	ug/l	5.8	500	-250	250	
Ti	47	45	No Gas	0.046	ug/l	95.0	4	-2	2	
V	51	74	He	-0.064	ug/l	N/A	4	-2	2	
Cr	52	74	He	-0.063	ug/l	N/A	4	-2	2	
Mn	55	74	He	-0.068	ug/l	N/A	8	-4	4	
Fe	56	74	H2	4.448	ug/l	3.2	120	-60	60	
Co	59	74	He	-0.001	ug/l	N/A	4	-2	2	
Ni	60	74	He	0.016	ug/l	388.1	4	-2	2	
Cu	63	74	He	-0.008	ug/l	N/A	4	-2	2	
Zn	66	74	He	0.171	ug/l	157.5	16	-8	8	
As	75	74	He	0.092	ug/l	52.0	2	-1	1	
Se	78	74	H2	0.341	ug/l	20.4	2.5	-1.25	1.25	
Sr	88	115	He	-0.024	ug/l	N/A	4	-2	2	
Mo	95	115	He	0.409	ug/l	2.4	4	-2	2	
Ag	107	115	He	0.001	ug/l	673.7	2	-1	1	
Cd	111	115	He	0.004	ug/l	175.7	2	-1	1	
Sn	118	115	He	-0.271	ug/l	N/A	16	-8	8	
Sb	121	115	He	0.574	ug/l	17.2	2	-1	1	
Ba	137	159	He	-0.051	ug/l	N/A	4	-2	2	
Tl	205	159	He	-0.021	ug/l	N/A	0.8	-0.4	0.4	
(Pb)	206	209	He	0.000	ug/l	N/A				
(Pb)	207	209	He	-0.003	ug/l	N/A				
Pb	208	209	He	-0.005	ug/l	N/A	1.2	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5127482.84	2.5	96.7	70	120	
Sc (ISICPMS)	45	No Gas	11921703.99	2.3	99.8	70	120	
Sc (ISICPMS)	45	H2	3286395.78	0.6	96.6	70	120	
Sc (ISICPMS)	45	He	144167.68	0.5	98.8	70	120	
Ge (IS)	74	H2	678745.08	1.0	96.7	70	120	
Ge (IS)	74	He	77013.60	1.0	98.9	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	194656.79	1.4	100.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	947497.75	0.7	100.7	70	120	
Bi (IS)	209	He	765483.84	0.6	101.5	70	120	

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:15:50

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.765	ug/l	5.8	0.8	0.4	1.2	
B	11	6	No Gas	81.291	ug/l	0.8	80	40	120	
Na	23	45	He	219.350	ug/l	1.2	200	100	300	
Mg	24	45	He	204.721	ug/l	1.1	200	100	300	
Al	27	45	He	40.201	ug/l	3.3	40	20	60	
K	39	45	He	212.329	ug/l	5.9	200	100	300	
Ca	40	45	H2	213.772	ug/l	1.6	200	100	300	
Ti	47	45	No Gas	3.841	ug/l	1.9	4	2	6	
V	51	74	He	3.963	ug/l	2.1	4	2	6	
Cr	52	74	He	4.314	ug/l	2.3	4	2	6	
Mn	55	74	He	8.237	ug/l	3.0	8	4	12	
Fe	56	74	H2	131.239	ug/l	1.5	120	60	180	
Co	59	74	He	4.113	ug/l	2.5	4	2	6	
Ni	60	74	He	4.220	ug/l	4.3	4	2	6	
Cu	63	74	He	4.488	ug/l	4.2	4	2	6	
Zn	66	74	He	16.883	ug/l	4.4	16	8	24	
As	75	74	He	2.041	ug/l	8.7	2	1	3	
Se	78	74	H2	2.686	ug/l	2.1	2.5	1.25	3.75	
Sr	88	115	He	3.817	ug/l	6.3	4	2	6	
Mo	95	115	He	4.181	ug/l	3.6	4	2	6	
Ag	107	115	He	1.971	ug/l	2.8	2	1	3	
Cd	111	115	He	1.969	ug/l	2.9	2	1	3	
Sn	118	115	He	15.223	ug/l	1.9	16	8	24	
Sb	121	115	He	2.335	ug/l	0.3	2	1	3	
Ba	137	159	He	4.348	ug/l	2.2	4	2	6	
Tl	205	159	He	0.755	ug/l	5.3	0.8	0.4	1.2	
(Pb)	206	209	He	1.175	ug/l	1.7				
(Pb)	207	209	He	1.254	ug/l	5.7				
Pb	208	209	He	1.250	ug/l	1.1	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5135319.23	1.3	96.9	70	120	
Sc (ISICPMS)	45	No Gas	11936209.27	0.5	99.9	70	120	
Sc (ISICPMS)	45	H2	3289226.72	1.0	96.7	70	120	
Sc (ISICPMS)	45	He	146081.30	0.8	100.1	70	120	
Ge (IS)	74	H2	681849.43	0.5	97.1	70	120	
Ge (IS)	74	He	77269.30	0.3	99.2	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	195449.26	1.2	101.3	70	120	
Tb (IS)	159	He	955640.78	1.8	101.5	70	120	
Bi (IS)	209	He	758914.68	0.9	100.6	70	120	

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:18:12

Sample Name **ICSA 11557418**

Comment ---

Dilution 1.0000

Pol[illegible]ant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.003	ug/l	54.4	0.8	-1.6	1.6	
B	11	6	No Gas	3.249	ug/l	2.6	80	-160	160	
Na	23	45	He	100577.025	ug/l	0.5	100000	80000	120000	
Mg	24	45	He	96452.787	ug/l	0.1	100000	80000	120000	
Al	27	45	He	98123.468	ug/l	0.2	100000	80000	120000	
K	39	45	He	98985.904	ug/l	0.4	100000	80000	120000	
Ca	40	45	H2	100231.025	ug/l	1.4	100000	80000	120000	
Ti	47	45	No Gas	2042.355	ug/l	0.5	2000	1600	2400	
V	51	74	He	-0.168	ug/l	N/A	4	-8	8	
Cr	52	74	He	0.079	ug/l	184.9	4	-8	8	
Mn	55	74	He	0.786	ug/l	15.8	8	-16	16	
Fe	56	74	H2	99184.299	ug/l	0.9	100000	80000	120000	
Co	59	74	He	0.359	ug/l	0.9	4	-8	8	
Ni	60	74	He	0.203	ug/l	16.2	4	-8	8	
Cu	63	74	He	0.162	ug/l	30.4	4	-8	8	
Zn	66	74	He	0.985	ug/l	32.3	16	-32	32	
As	75	74	He	0.101	ug/l	119.2	2	-4	4	
Se	78	74	H2	0.194	ug/l	23.9	2.5	-5	5	
Sr	88	115	He	0.643	ug/l	2.3	4	-8	8	
Mo	95	115	He	2072.624	ug/l	0.7	2000	-4000	4000	
Ag	107	115	He	0.022	ug/l	18.0	2	-4	4	
Cd	111	115	He	0.393	ug/l	7.4	2	-4	4	
Sn	118	115	He	-0.561	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.375	ug/l	8.2	2	-4	4	
Ba	137	159	He	0.611	ug/l	11.3	4	-8	8	
Tl	205	159	He	-0.068	ug/l	N/A	0.8	-1.6	1.6	
(Pb)	206	209	He	0.151	ug/l	17.5				
(Pb)	207	209	He	0.122	ug/l	21.3				
Pb	208	209	He	0.134	ug/l	5.8	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4780532.36	1.6	90.2	70	120	
Sc (ISICPMS)	45	No Gas	11724223.99	0.3	98.2	70	120	
Sc (ISICPMS)	45	H2	3191768.57	0.7	93.8	70	120	
Sc (ISICPMS)	45	He	140298.28	0.2	96.1	70	120	
Ge (IS)	74	H2	670843.72	0.4	95.6	70	120	
Ge (IS)	74	He	77376.66	0.5	99.4	70	120	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	183480.24	0.6	95.1	70	120	
Tb (IS)	159	He	924119.25	1.7	98.2	70	120	
Bi (IS)	209	He	704108.91	0.7	93.3	70	120	

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:20:32

Sample Name **ICSAB 11557420**

Comment ---

Dilution 1.0000

Pol[illegible]ant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	184.812	ug/l	2.0	200	160	240	
B	11	6	No Gas	3.163	ug/l	2.4				
Na	23	45	He	98562.639	ug/l	0.5	100000	80000	120000	
Mg	24	45	He	94797.863	ug/l	0.8	100000	80000	120000	
Al	27	45	He	96830.346	ug/l	0.6	100000	80000	120000	
K	39	45	He	97964.411	ug/l	0.6	100000	80000	120000	
Ca	40	45	H2	100510.096	ug/l	0.8	100000	80000	120000	
Ti	47	45	No Gas	2015.743	ug/l	1.4	2000	1600	2400	
V	51	74	He	197.305	ug/l	0.6	200	160	240	
Cr	52	74	He	194.397	ug/l	1.4	200	160	240	
Mn	55	74	He	187.867	ug/l	0.3	200	160	240	
Fe	56	74	H2	99885.389	ug/l	1.2	100000	80000	120000	
Co	59	74	He	192.333	ug/l	0.5	200	160	240	
Ni	60	74	He	193.376	ug/l	1.0	200	160	240	
Cu	63	74	He	191.154	ug/l	0.5	200	160	240	
Zn	66	74	He	193.500	ug/l	0.2	200	160	240	
As	75	74	He	195.071	ug/l	0.5	200	160	240	
Se	78	74	H2	201.970	ug/l	0.4	200	160	240	
Sr	88	115	He	195.655	ug/l	1.1	200	160	240	
Mo	95	115	He	2056.434	ug/l	1.2	2000	1600	2400	
Ag	107	115	He	198.126	ug/l	1.0	200	160	240	
Cd	111	115	He	199.903	ug/l	1.3	200	160	240	
Sn	118	115	He	202.240	ug/l	0.5	200	160	240	
Sb	121	115	He	106.802	ug/l	1.0	100	80	120	
Ba	137	159	He	200.266	ug/l	1.3	200	160	240	
Tl	205	159	He	99.189	ug/l	0.9	100	80	120	
(Pb)	206	209	He	202.316	ug/l	0.2				
(Pb)	207	209	He	199.446	ug/l	1.0				
Pb	208	209	He	201.370	ug/l	0.2	200	160	240	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4844582.95	0.7	91.4	70	120	
Sc (ISICPMS)	45	No Gas	11865718.99	0.8	99.3	70	120	
Sc (ISICPMS)	45	H2	3186485.86	1.1	93.7	70	120	
Sc (ISICPMS)	45	He	142657.79	0.9	97.8	70	120	
Ge (IS)	74	H2	671043.52	0.7	95.6	70	120	
Ge (IS)	74	He	78067.97	0.6	100.2	70	120	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	184543.89	0.6	95.7	70	120	
Tb (IS)	159	He	926136.73	0.7	98.4	70	120	
Bi (IS)	209	He	704300.56	0.1	93.4	70	120	

Linear Range Check (LRC)

File Name 015LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:22:52

Sample Name **LRC 11546145**

Comment LR-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	1944.005	ug/l	0.6	2000	1800	2200	
B	11	6	No Gas	2.024	ug/l	8.9				
Na	23	45	He	21.369	ug/l	5.9				
Mg	24	45	He	6.615	ug/l	25.0				
Al	27	45	He	13.851	ug/l	5.9				
K	39	45	He	11.085	ug/l	47.2				
Ca	40	45	H2	8.773	ug/l	3.0				
Ti	47	45	No Gas	0.663	ug/l	7.5				
V	51	74	He	4895.922	ug/l	0.5	5000	4500	5500	
Cr	52	74	He	18784.989	ug/l	1.4	20000	18000	22000	
Mn	55	74	He	18324.175	ug/l	1.6	20000	18000	22000	
Fe	56	74	H2	15.677	ug/l	2.7				
Co	59	74	He	1986.190	ug/l	0.6	2000	1800	2200	
Ni	60	74	He	19369.592	ug/l	1.6	20000	18000	22000	
Cu	63	74	He	19523.142	ug/l	1.5	20000	18000	22000	
Zn	66	74	He	19758.583	ug/l	0.8	20000	18000	22000	
As	75	74	He	4990.537	ug/l	0.8	5000	4500	5500	
Se	78	74	H2	0.422	ug/l	20.2				
Sr	88	115	He	4661.741	ug/l	0.2	5000	4500	5500	
Mo	95	115	He	1980.532	ug/l	0.4	2000	1800	2200	
Ag	107	115	He	0.031	ug/l	16.3				
Cd	111	115	He	5046.745	ug/l	0.5	5000	4500	5500	
Sn	118	115	He	-0.995	ug/l	N/A				
Sb	121	115	He	0.214	ug/l	23.2				
Ba	137	159	He	19210.048	ug/l	1.1	20000	18000	22000	
Tl	205	159	He	982.518	ug/l	0.4	1000	900	1100	
(Pb)	206	209	He	19376.818	ug/l	0.8				
(Pb)	207	209	He	19003.576	ug/l	1.2				
Pb	208	209	He	19154.179	ug/l	1.0	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4928077.88	1.3	92.9	70	120	
Sc (ISICPMS)	45	No Gas	11561079.41	1.1	96.8	70	120	
Sc (ISICPMS)	45	H2	2997448.53	0.7	88.1	70	120	
Sc (ISICPMS)	45	He	128744.44	0.3	88.2	70	120	
Ge (IS)	74	H2	646295.71	0.6	92.1	70	120	
Ge (IS)	74	He	72667.19	0.7	93.3	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	186360.59	0.8	96.6	70	120	
Tb (IS)	159	He	939240.92	0.5	99.8	70	120	
Bi (IS)	209	He	763630.15	0.4	101.2	70	120	

Linear Range Check (LRC)

File Name 016LRCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:25:07

Sample Name **LRC 11518844**

Comment LR-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.224	ug/l	9.9				
B	11	6	No Gas	2.584	ug/l	5.8				
Na	23	45	He	479077.973	ug/l	0.2	500000	450000	550000	
Mg	24	45	He	461528.536	ug/l	0.2	500000	450000	550000	
Al	27	45	He	477777.263	ug/l	0.8	500000	450000	550000	
K	39	45	He	479486.083	ug/l	1.2	500000	450000	550000	
Ca	40	45	H2	99.058	ug/l	1.3				
Ti	47	45	No Gas	0.455	ug/l	19.6				
V	51	74	He	0.722	ug/l	10.0				
Cr	52	74	He	6.660	ug/l	4.7				
Mn	55	74	He	13.161	ug/l	1.8				
Fe	56	74	H2	482759.673	ug/l	0.1	500000	450000	550000	
Co	59	74	He	4.485	ug/l	1.6				
Ni	60	74	He	9.581	ug/l	0.8				
Cu	63	74	He	1.479	ug/l	2.1				
Zn	66	74	He	3.519	ug/l	11.4				
As	75	74	He	2.644	ug/l	11.3				
Se	78	74	H2	0.124	ug/l	31.6				
Sr	88	115	He	0.508	ug/l	9.5				
Mo	95	115	He	3.443	ug/l	2.4				
Ag	107	115	He	0.083	ug/l	5.9				
Cd	111	115	He	0.242	ug/l	24.2				
Sn	118	115	He	-1.730	ug/l	N/A				
Sb	121	115	He	3.581	ug/l	1.3				
Ba	137	159	He	13.689	ug/l	2.1				
Tl	205	159	He	0.186	ug/l	3.0				
(Pb)	206	209	He	1.650	ug/l	7.0				
(Pb)	207	209	He	1.667	ug/l	6.4				
Pb	208	209	He	1.635	ug/l	5.2				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4607793.89	1.7	86.9	70	120	
Sc (ISICPMS)	45	No Gas	11793909.27	1.0	98.7	70	120	
Sc (ISICPMS)	45	H2	3269379.81	1.2	96.1	70	120	
Sc (ISICPMS)	45	He	150710.66	0.5	103.3	70	120	
Ge (IS)	74	H2	658002.08	1.1	93.7	70	120	
Ge (IS)	74	He	78054.56	1.0	100.2	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	183276.37	1.4	95.0	70	120	
Tb (IS)	159	He	900471.77	1.1	95.7	70	120	
Bi (IS)	209	He	657244.51	1.2	87.1	70	120	

Linear Range Check (LRC)

File Name 017LRCC.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:27:25

Sample Name **LRC 11546148**

Comment LR-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.085	ug/l	15.3				
B	11	6	No Gas	1905.212	ug/l	2.0	2000	1800	2200	
Na	23	45	He	49.188	ug/l	9.1				
Mg	24	45	He	99.095	ug/l	5.2				
Al	27	45	He	25.877	ug/l	16.5				
K	39	45	He	38.947	ug/l	15.7				
Ca	40	45	H2	995814.665	ug/l	0.7	1000000	900000	1100000	
Ti	47	45	No Gas	9730.609	ug/l	2.5	10000	9000	11000	
V	51	74	He	-0.021	ug/l	N/A				
Cr	52	74	He	-0.551	ug/l	N/A				
Mn	55	74	He	0.710	ug/l	22.7				
Fe	56	74	H2	39.779	ug/l	3.0				
Co	59	74	He	0.390	ug/l	6.6				
Ni	60	74	He	1.148	ug/l	9.6				
Cu	63	74	He	0.984	ug/l	11.2				
Zn	66	74	He	1.672	ug/l	6.0				
As	75	74	He	0.745	ug/l	25.6				
Se	78	74	H2	3005.740	ug/l	0.3	3000	2700	3300	
Sr	88	115	He	19.935	ug/l	1.2				
Mo	95	115	He	1.291	ug/l	6.9				
Ag	107	115	He	958.373	ug/l	0.8	1000	900	1100	
Cd	111	115	He	0.086	ug/l	33.8				
Sn	118	115	He	2018.379	ug/l	1.1	2000	1800	2200	
Sb	121	115	He	1074.543	ug/l	1.1	1000	900	1100	
Ba	137	159	He	1.283	ug/l	12.6				
Tl	205	159	He	-0.024	ug/l	N/A				
(Pb)	206	209	He	0.484	ug/l	14.0				
(Pb)	207	209	He	0.451	ug/l	5.8				
Pb	208	209	He	0.470	ug/l	3.4				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5083617.32	1.1	95.9	70	120	
Sc (ISICPMS)	45	No Gas	11396081.36	0.3	95.4	70	120	
Sc (ISICPMS)	45	H2	3143708.39	0.6	92.4	70	120	
Sc (ISICPMS)	45	He	141840.11	0.8	97.2	70	120	
Ge (IS)	74	H2	666462.70	0.2	94.9	70	120	
Ge (IS)	74	He	76120.14	1.2	97.7	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	191003.15	0.5	99.0	70	120	
Tb (IS)	159	He	948016.32	0.6	100.7	70	120	
Bi (IS)	209	He	730004.30	1.0	96.8	70	120	

Sample Report

File Name 018SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:29:46

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.036	ug/l	25.1	1800	
B	11	6	No Gas	11.254	ug/l	4.0	1800	
Na	23	45	He	22.373	ug/l	13.5	450000	
Mg	24	45	He	7.447	ug/l	12.7	450000	
Al	27	45	He	8.417	ug/l	17.5	450000	
K	39	45	He	17.853	ug/l	60.3	450000	
Ca	40	45	H2	66.575	ug/l	4.8	900000	
Ti	47	45	No Gas	1.806	ug/l	6.7	9000	
V	51	74	He	-0.072	ug/l	N/A	4500	
Cr	52	74	He	0.130	ug/l	130.2	18000	
Mn	55	74	He	0.051	ug/l	113.6	18000	
Fe	56	74	H2	10.257	ug/l	2.5	450000	
Co	59	74	He	0.008	ug/l	56.7	1800	
Ni	60	74	He	0.112	ug/l	36.3	18000	
Cu	63	74	He	0.279	ug/l	16.9	18000	
Zn	66	74	He	0.592	ug/l	17.3	18000	
As	75	74	He	0.424	ug/l	15.5	4500	
Se	78	74	H2	2.763	ug/l	3.9	2700	
Sr	88	115	He	-0.015	ug/l	N/A	4500	
Mo	95	115	He	0.696	ug/l	8.0	1800	
Ag	107	115	He	0.052	ug/l	23.2	900	
Cd	111	115	He	0.031	ug/l	37.3	4500	
Sn	118	115	He	0.035	ug/l	188.6	1800	
Sb	121	115	He	0.261	ug/l	18.8	900	
Ba	137	159	He	0.098	ug/l	119.1	18000	
Tl	205	159	He	-0.039	ug/l	N/A	900	
(Pb)	206	209	He	0.406	ug/l	3.6		
(Pb)	207	209	He	0.350	ug/l	1.9		
Pb	208	209	He	0.384	ug/l	1.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5338715.48	2.2	100.7	70	120	
Sc (ISICPMS)	45	No Gas	11753248.30	0.8	98.4	70	120	
Sc (ISICPMS)	45	H2	3159211.20	1.3	92.9	70	120	
Sc (ISICPMS)	45	He	139806.03	1.1	95.8	70	120	
Ge (IS)	74	H2	655676.77	1.0	93.4	70	120	
Ge (IS)	74	He	75576.25	0.5	97.0	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	195380.63	0.4	101.3	70	120	
Tb (IS)	159	He	966254.57	1.0	102.6	70	120	
Bi (IS)	209	He	779736.83	0.9	103.4	70	120	

Sample Report

File Name 019SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:32:07

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.019	ug/l	49.5	1800	
B	11	6	No Gas	4.591	ug/l	1.7	1800	
Na	23	45	He	14.128	ug/l	12.7	450000	
Mg	24	45	He	4.225	ug/l	6.5	450000	
Al	27	45	He	4.667	ug/l	15.6	450000	
K	39	45	He	18.094	ug/l	61.1	450000	
Ca	40	45	H2	15.536	ug/l	3.2	900000	
Ti	47	45	No Gas	0.546	ug/l	15.0	9000	
V	51	74	He	-0.060	ug/l	N/A	4500	
Cr	52	74	He	0.032	ug/l	411.9	18000	
Mn	55	74	He	0.094	ug/l	88.7	18000	
Fe	56	74	H2	5.092	ug/l	5.2	450000	
Co	59	74	He	0.002	ug/l	480.3	1800	
Ni	60	74	He	0.030	ug/l	234.1	18000	
Cu	63	74	He	0.158	ug/l	8.0	18000	
Zn	66	74	He	0.401	ug/l	84.5	18000	
As	75	74	He	0.249	ug/l	19.4	4500	
Se	78	74	H2	0.901	ug/l	29.5	2700	
Sr	88	115	He	0.011	ug/l	407.7	4500	
Mo	95	115	He	0.441	ug/l	17.7	1800	
Ag	107	115	He	0.011	ug/l	46.4	900	
Cd	111	115	He	0.015	ug/l	45.5	4500	
Sn	118	115	He	-0.659	ug/l	N/A	1800	
Sb	121	115	He	0.089	ug/l	3.7	900	
Ba	137	159	He	0.097	ug/l	20.8	18000	
Tl	205	159	He	-0.060	ug/l	N/A	900	
(Pb)	206	209	He	0.155	ug/l	11.9		
(Pb)	207	209	He	0.114	ug/l	2.7		
Pb	208	209	He	0.143	ug/l	2.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5262747.35	0.5	99.3	70	120	
Sc (ISICPMS)	45	No Gas	11756651.49	1.5	98.4	70	120	
Sc (ISICPMS)	45	H2	3164092.62	1.2	93.0	70	120	
Sc (ISICPMS)	45	He	140828.76	0.4	96.5	70	120	
Ge (IS)	74	H2	658064.75	1.0	93.7	70	120	
Ge (IS)	74	He	75819.81	0.4	97.4	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	196386.61	2.1	101.8	70	120	
Tb (IS)	159	He	965605.01	1.5	102.6	70	120	
Bi (IS)	209	He	774790.90	0.6	102.7	70	120	

Sample Report

File Name 020SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:34:29

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	15.6	1800	
B	11	6	No Gas	3.994	ug/l	5.8	1800	
Na	23	45	He	10.101	ug/l	7.2	450000	
Mg	24	45	He	3.072	ug/l	14.6	450000	
Al	27	45	He	4.033	ug/l	20.6	450000	
K	39	45	He	9.495	ug/l	78.7	450000	
Ca	40	45	H2	8.557	ug/l	2.4	900000	
Ti	47	45	No Gas	0.378	ug/l	16.8	9000	
V	51	74	He	-0.050	ug/l	N/A	4500	
Cr	52	74	He	0.020	ug/l	582.7	18000	
Mn	55	74	He	-0.040	ug/l	N/A	18000	
Fe	56	74	H2	3.423	ug/l	3.2	450000	
Co	59	74	He	0.003	ug/l	293.5	1800	
Ni	60	74	He	0.009	ug/l	363.1	18000	
Cu	63	74	He	0.162	ug/l	12.7	18000	
Zn	66	74	He	0.562	ug/l	30.1	18000	
As	75	74	He	0.025	ug/l	141.9	4500	
Se	78	74	H2	0.427	ug/l	25.1	2700	
Sr	88	115	He	-0.020	ug/l	N/A	4500	
Mo	95	115	He	0.290	ug/l	19.7	1800	
Ag	107	115	He	0.002	ug/l	285.6	900	
Cd	111	115	He	0.027	ug/l	89.1	4500	
Sn	118	115	He	-0.632	ug/l	N/A	1800	
Sb	121	115	He	0.059	ug/l	42.6	900	
Ba	137	159	He	0.012	ug/l	494.7	18000	
Tl	205	159	He	-0.064	ug/l	N/A	900	
(Pb)	206	209	He	0.086	ug/l	30.1		
(Pb)	207	209	He	0.050	ug/l	15.4		
Pb	208	209	He	0.075	ug/l	10.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5287319.40	1.1	99.7	70	120	
Sc (ISICPMS)	45	No Gas	11791690.24	0.5	98.7	70	120	
Sc (ISICPMS)	45	H2	3162680.55	0.7	93.0	70	120	
Sc (ISICPMS)	45	He	141154.13	0.7	96.7	70	120	
Ge (IS)	74	H2	658031.21	0.8	93.7	70	120	
Ge (IS)	74	He	75602.08	1.3	97.1	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	195078.02	0.5	101.1	70	120	
Tb (IS)	159	He	958287.36	0.8	101.8	70	120	
Bi (IS)	209	He	776939.34	0.7	103.0	70	120	

Sample Report

File Name 021SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:36:50

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.009	ug/l	118.6	1800	
B	11	6	No Gas	3.378	ug/l	3.4	1800	
Na	23	45	He	9.677	ug/l	9.0	450000	
Mg	24	45	He	1.942	ug/l	20.9	450000	
Al	27	45	He	2.371	ug/l	29.2	450000	
K	39	45	He	12.764	ug/l	80.3	450000	
Ca	40	45	H2	5.565	ug/l	6.4	900000	
Ti	47	45	No Gas	0.318	ug/l	2.3	9000	
V	51	74	He	-0.117	ug/l	N/A	4500	
Cr	52	74	He	0.042	ug/l	214.3	18000	
Mn	55	74	He	0.039	ug/l	27.7	18000	
Fe	56	74	H2	2.611	ug/l	9.4	450000	
Co	59	74	He	-0.007	ug/l	N/A	1800	
Ni	60	74	He	-0.002	ug/l	N/A	18000	
Cu	63	74	He	0.103	ug/l	11.3	18000	
Zn	66	74	He	0.402	ug/l	24.3	18000	
As	75	74	He	0.086	ug/l	88.5	4500	
Se	78	74	H2	0.274	ug/l	15.4	2700	
Sr	88	115	He	-0.013	ug/l	N/A	4500	
Mo	95	115	He	0.243	ug/l	5.2	1800	
Ag	107	115	He	0.001	ug/l	496.2	900	
Cd	111	115	He	0.012	ug/l	153.0	4500	
Sn	118	115	He	-0.610	ug/l	N/A	1800	
Sb	121	115	He	0.036	ug/l	47.1	900	
Ba	137	159	He	0.003	ug/l	558.2	18000	
Tl	205	159	He	-0.064	ug/l	N/A	900	
(Pb)	206	209	He	0.045	ug/l	68.9		
(Pb)	207	209	He	0.010	ug/l	125.8		
Pb	208	209	He	0.039	ug/l	12.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5328590.48	1.8	100.5	70	120	
Sc (ISICPMS)	45	No Gas	11847418.02	0.2	99.2	70	120	
Sc (ISICPMS)	45	H2	3159778.95	0.5	92.9	70	120	
Sc (ISICPMS)	45	He	140962.14	1.0	96.6	70	120	
Ge (IS)	74	H2	652902.83	0.7	93.0	70	120	
Ge (IS)	74	He	75473.46	0.4	96.9	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	194897.03	1.2	101.0	70	120	
Tb (IS)	159	He	957871.02	1.1	101.8	70	120	
Bi (IS)	209	He	772878.82	0.4	102.5	70	120	

Continuing Calibration Verification (CCV)

File Name 022_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:39:12

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	101.874	ug/l	1.1	100	90	110	
B	11	6	No Gas	246.314	ug/l	1.7	250	225	275	
Na	23	45	He	26216.425	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25554.081	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25338.085	ug/l	1.1	25000	22500	27500	
K	39	45	He	24971.432	ug/l	1.6	25000	22500	27500	
Ca	40	45	H2	25320.276	ug/l	2.8	25000	22500	27500	
Ti	47	45	No Gas	98.898	ug/l	1.7	100	90	110	
V	51	74	He	97.129	ug/l	1.0	100	90	110	
Cr	52	74	He	98.224	ug/l	1.9	100	90	110	
Mn	55	74	He	97.301	ug/l	1.1	100	90	110	
Fe	56	74	H2	25124.605	ug/l	2.0	25000	22500	27500	
Co	59	74	He	98.967	ug/l	1.1	100	90	110	
Ni	60	74	He	100.674	ug/l	1.3	100	90	110	
Cu	63	74	He	101.273	ug/l	2.0	100	90	110	
Zn	66	74	He	248.442	ug/l	1.5	250	225	275	
As	75	74	He	99.417	ug/l	2.1	100	90	110	
Se	78	74	H2	100.740	ug/l	3.3	100	90	110	
Sr	88	115	He	96.921	ug/l	1.8	100	90	110	
Mo	95	115	He	101.552	ug/l	1.1	100	90	110	
Ag	107	115	He	50.961	ug/l	1.7	50	45	55	
Cd	111	115	He	100.316	ug/l	2.6	100	90	110	
Sn	118	115	He	101.764	ug/l	2.0	100	90	110	
Sb	121	115	He	103.412	ug/l	1.1	100	90	110	
Ba	137	159	He	99.802	ug/l	2.0	100	90	110	
Tl	205	159	He	102.800	ug/l	1.1	100	90	110	
(Pb)	206	209	He	102.964	ug/l	1.0				
(Pb)	207	209	He	101.748	ug/l	1.4				
Pb	208	209	He	101.914	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5142486.25	1.7	97.0	70	120	
Sc (ISICPMS)	45	No Gas	11333865.25	0.9	94.9	70	120	
Sc (ISICPMS)	45	H2	2966670.24	0.3	87.2	70	120	
Sc (ISICPMS)	45	He	131774.51	0.8	90.3	70	120	
Ge (IS)	74	H2	640518.54	0.6	91.2	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	74070.98	1.7	95.1	70	120	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	185080.69	1.2	96.0	70	120	
Tb (IS)	159	He	943596.93	0.4	100.2	70	120	
Bi (IS)	209	He	742473.00	0.9	98.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 023_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:41:31

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.013	ug/l	22.4	0.8	-0.8	0.8	
B	11	6	No Gas	3.084	ug/l	4.1	80	-80	80	
Na	23	45	He	2.521	ug/l	56.4	500	-500	500	
Mg	24	45	He	1.613	ug/l	30.2	200	-200	200	
Al	27	45	He	2.222	ug/l	71.5	40	-40	40	
K	39	45	He	6.250	ug/l	37.1	200	-200	200	
Ca	40	45	H2	3.645	ug/l	4.0	500	-500	500	
Ti	47	45	No Gas	0.372	ug/l	10.9	4	-4	4	
V	51	74	He	-0.057	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.141	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.030	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.569	ug/l	1.9	120	-120	120	
Co	59	74	He	0.009	ug/l	82.5	4	-4	4	
Ni	60	74	He	-0.028	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.011	ug/l	165.9	4	-4	4	
Zn	66	74	He	0.120	ug/l	212.2	16	-16	16	
As	75	74	He	0.232	ug/l	16.9	2	-2	2	
Se	78	74	H2	0.310	ug/l	9.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.038	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.289	ug/l	15.7	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.027	ug/l	47.4	2	-2	2	
Sn	118	115	He	-0.573	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.041	ug/l	48.5	2	-2	2	
Ba	137	159	He	0.007	ug/l	362.4	4	-4	4	
Tl	205	159	He	-0.046	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	0.025	ug/l	115.4				
(Pb)	207	209	He	0.002	ug/l	553.2				
Pb	208	209	He	0.023	ug/l	21.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5257564.43	0.6	99.2	70	120	
Sc (ISICPMS)	45	No Gas	11495954.28	1.5	96.2	70	120	
Sc (ISICPMS)	45	H2	3045374.61	0.4	89.5	70	120	
Sc (ISICPMS)	45	He	135388.34	0.1	92.8	70	120	
Ge (IS)	74	H2	631818.85	0.7	90.0	70	120	
Ge (IS)	74	He	73027.92	0.6	93.8	70	120	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	190220.92	1.6	98.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	955149.72	1.2	101.5	70	120	
Bi (IS)	209	He	769590.48	0.7	102.0	70	120	

Sample Report

File Name 024SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:43:52

Sample Name **460-299668-G-18-A**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	21.6	1800	
B	11	6	No Gas	2.570	ug/l	7.7	1800	
Na	23	45	He	851.591	ug/l	0.6	450000	
Mg	24	45	He	20.347	ug/l	2.7	450000	
Al	27	45	He	5.045	ug/l	33.5	450000	
K	39	45	He	22.289	ug/l	61.0	450000	
Ca	40	45	H2	178.357	ug/l	1.9	900000	
Ti	47	45	No Gas	0.303	ug/l	5.6	9000	
V	51	74	He	-0.142	ug/l	N/A	4500	
Cr	52	74	He	-0.622	ug/l	N/A	18000	
Mn	55	74	He	2.082	ug/l	10.3	18000	
Fe	56	74	H2	9.817	ug/l	2.9	450000	
Co	59	74	He	0.004	ug/l	182.0	1800	
Ni	60	74	He	0.104	ug/l	87.4	18000	
Cu	63	74	He	0.546	ug/l	5.2	18000	
Zn	66	74	He	0.676	ug/l	21.2	18000	
As	75	74	He	0.126	ug/l	73.7	4500	
Se	78	74	H2	0.149	ug/l	14.7	2700	
Sr	88	115	He	0.839	ug/l	7.5	4500	
Mo	95	115	He	0.235	ug/l	13.5	1800	
Ag	107	115	He	0.002	ug/l	144.1	900	
Cd	111	115	He	0.020	ug/l	120.7	4500	
Sn	118	115	He	-1.088	ug/l	N/A	1800	
Sb	121	115	He	0.173	ug/l	30.0	900	
Ba	137	159	He	1.511	ug/l	6.3	18000	
Tl	205	159	He	-0.083	ug/l	N/A	900	
(Pb)	206	209	He	0.029	ug/l	53.3		
(Pb)	207	209	He	0.012	ug/l	68.1		
Pb	208	209	He	0.034	ug/l	30.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5224886.24	1.4	98.5	70	120	
Sc (ISICPMS)	45	No Gas	11534843.03	0.9	96.6	70	120	
Sc (ISICPMS)	45	H2	3069803.71	0.4	90.2	70	120	
Sc (ISICPMS)	45	He	136883.04	0.7	93.8	70	120	
Ge (IS)	74	H2	656067.11	0.3	93.5	70	120	
Ge (IS)	74	He	76021.90	1.1	97.6	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191404.64	1.0	99.2	70	120	
Tb (IS)	159	He	952385.99	1.3	101.2	70	120	
Bi (IS)	209	He	765149.47	0.7	101.4	70	120	

Sample Report

File Name 025SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:46:13

Sample Name **scan 460-299668-G-18**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.009	ug/l	52.8	1800	
B	11	6	No Gas	1.469	ug/l	2.5	1800	
Na	23	45	He	803.240	ug/l	0.4	450000	
Mg	24	45	He	20.196	ug/l	6.6	450000	
Al	27	45	He	3.022	ug/l	40.4	450000	
K	39	45	He	15.250	ug/l	72.4	450000	
Ca	40	45	H2	166.529	ug/l	1.2	900000	
Ti	47	45	No Gas	-0.196	ug/l	N/A	9000	
V	51	74	He	-0.312	ug/l	N/A	4500	
Cr	52	74	He	-1.671	ug/l	N/A	18000	
Mn	55	74	He	0.201	ug/l	39.0	18000	
Fe	56	74	H2	-2.122	ug/l	N/A	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	-0.245	ug/l	N/A	18000	
Cu	63	74	He	0.250	ug/l	14.8	18000	
Zn	66	74	He	-0.111	ug/l	N/A	18000	
As	75	74	He	0.167	ug/l	18.2	4500	
Se	78	74	H2	0.121	ug/l	45.7	2700	
Sr	88	115	He	0.817	ug/l	3.3	4500	
Mo	95	115	He	0.070	ug/l	15.7	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-3.313	ug/l	N/A	1800	
Sb	121	115	He	0.125	ug/l	3.2	900	
Ba	137	159	He	1.439	ug/l	17.9	18000	
Tl	205	159	He	-0.090	ug/l	N/A	900	
(Pb)	206	209	He	0.010	ug/l	210.0		
(Pb)	207	209	He	-0.005	ug/l	N/A		
Pb	208	209	He	0.015	ug/l	41.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5457023.77	0.9	102.9	70	120	
Sc (ISICPMS)	45	No Gas	11917069.54	1.0	99.8	70	120	
Sc (ISICPMS)	45	H2	3171110.16	0.2	93.2	70	120	
Sc (ISICPMS)	45	He	145486.63	0.6	99.7	70	120	
Ge (IS)	74	H2	672680.92	0.2	95.8	70	120	
Ge (IS)	74	He	78391.71	1.7	100.7	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	200687.34	1.1	104.0	70	120	
Tb (IS)	159	He	974047.57	0.7	103.5	70	120	
Bi (IS)	209	He	787692.40	0.9	104.4	70	120	

Sample Report

File Name 026SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:48:33

Sample Name **460-299418-E-1-A**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.004	ug/l	129.2	1800	
B	11	6	No Gas	3.745	ug/l	15.4	1800	
Na	23	45	He	29.944	ug/l	7.2	450000	
Mg	24	45	He	3.619	ug/l	12.8	450000	
Al	27	45	He	7.254	ug/l	28.3	450000	
K	39	45	He	-7.269	ug/l	N/A	450000	
Ca	40	45	H2	14.222	ug/l	1.3	900000	
Ti	47	45	No Gas	36.719	ug/l	2.3	9000	
V	51	74	He	-0.298	ug/l	N/A	4500	
Cr	52	74	He	-1.401	ug/l	N/A	18000	
Mn	55	74	He	0.011	ug/l	280.3	18000	
Fe	56	74	H2	1.046	ug/l	4.5	450000	
Co	59	74	He	-0.004	ug/l	N/A	1800	
Ni	60	74	He	0.055	ug/l	225.2	18000	
Cu	63	74	He	0.317	ug/l	15.5	18000	
Zn	66	74	He	1.327	ug/l	22.8	18000	
As	75	74	He	0.024	ug/l	181.7	4500	
Se	78	74	H2	1.117	ug/l	8.9	2700	
Sr	88	115	He	0.106	ug/l	20.1	4500	
Mo	95	115	He	0.136	ug/l	4.6	1800	
Ag	107	115	He	-0.003	ug/l	N/A	900	
Cd	111	115	He	0.003	ug/l	192.9	4500	
Sn	118	115	He	52.075	ug/l	6.9	1800	
Sb	121	115	He	0.637	ug/l	11.1	900	
Ba	137	159	He	0.138	ug/l	74.0	18000	
Tl	205	159	He	-0.099	ug/l	N/A	900	
(Pb)	206	209	He	-0.041	ug/l	N/A		
(Pb)	207	209	He	-0.045	ug/l	N/A		
Pb	208	209	He	-0.035	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5685672.14	1.6	107.2	70	120	
Sc (ISICPMS)	45	No Gas	12347155.79	2.4	103.4	70	120	
Sc (ISICPMS)	45	H2	3312160.68	0.2	97.4	70	120	
Sc (ISICPMS)	45	He	148310.89	0.5	101.6	70	120	
Ge (IS)	74	H2	697749.26	0.3	99.4	70	120	
Ge (IS)	74	He	80650.58	0.9	103.6	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	211365.81	0.5	109.6	70	120	
Tb (IS)	159	He	1037215.06	0.9	110.2	70	120	
Bi (IS)	209	He	856681.74	1.1	113.6	70	120	

Sample Report

File Name 027SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:50:54

Sample Name **MB 460-963446/1-A**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	345.4	1800	
B	11	6	No Gas	1.259	ug/l	4.3	1800	
Na	23	45	He	41.419	ug/l	6.7	450000	
Mg	24	45	He	6.078	ug/l	12.7	450000	
Al	27	45	He	9.067	ug/l	12.5	450000	
K	39	45	He	26.434	ug/l	22.4	450000	
Ca	40	45	H2	32.243	ug/l	1.5	900000	
Ti	47	45	No Gas	0.851	ug/l	3.9	9000	
V	51	74	He	-0.122	ug/l	N/A	4500	
Cr	52	74	He	-0.523	ug/l	N/A	18000	
Mn	55	74	He	1.437	ug/l	6.7	18000	
Fe	56	74	H2	532.773	ug/l	0.8	450000	
Co	59	74	He	0.079	ug/l	8.3	1800	
Ni	60	74	He	0.666	ug/l	14.1	18000	
Cu	63	74	He	0.666	ug/l	7.2	18000	
Zn	66	74	He	4.250	ug/l	8.4	18000	
As	75	74	He	0.046	ug/l	175.7	4500	
Se	78	74	H2	0.273	ug/l	12.4	2700	
Sr	88	115	He	0.052	ug/l	22.8	4500	
Mo	95	115	He	0.161	ug/l	33.0	1800	
Ag	107	115	He	0.034	ug/l	24.9	900	
Cd	111	115	He	0.016	ug/l	42.6	4500	
Sn	118	115	He	4.223	ug/l	15.8	1800	
Sb	121	115	He	0.183	ug/l	14.3	900	
Ba	137	159	He	1.073	ug/l	12.8	18000	
Tl	205	159	He	-0.099	ug/l	N/A	900	
(Pb)	206	209	He	0.406	ug/l	10.1		
(Pb)	207	209	He	0.374	ug/l	10.0		
Pb	208	209	He	0.406	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5186600.30	0.8	97.8	70	120	
Sc (ISICPMS)	45	No Gas	11568372.74	0.3	96.9	70	120	
Sc (ISICPMS)	45	H2	3086012.66	0.4	90.7	70	120	
Sc (ISICPMS)	45	He	138086.47	1.1	94.6	70	120	
Ge (IS)	74	H2	643285.40	0.5	91.6	70	120	
Ge (IS)	74	He	75093.87	1.5	96.4	70	120	
Kr	83	He	16.68	34.6	500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192130.00	1.3	99.6	70	120	
Tb (IS)	159	He	942823.87	1.1	100.2	70	120	
Bi (IS)	209	He	768603.70	0.7	101.9	70	120	

Sample Report

File Name 028SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:53:15

Sample Name **LCS 460-963446/2-A**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.455	ug/l	2.4	1800	
B	11	6	No Gas	471.143	ug/l	1.7	1800	
Na	23	45	He	2544.627	ug/l	0.7	450000	
Mg	24	45	He	2478.353	ug/l	0.3	450000	
Al	27	45	He	2450.433	ug/l	0.7	450000	
K	39	45	He	2467.231	ug/l	0.8	450000	
Ca	40	45	H2	2521.679	ug/l	0.7	900000	
Ti	47	45	No Gas	46.900	ug/l	3.5	9000	
V	51	74	He	47.606	ug/l	1.2	4500	
Cr	52	74	He	47.542	ug/l	1.1	18000	
Mn	55	74	He	238.641	ug/l	1.1	18000	
Fe	56	74	H2	2700.084	ug/l	0.3	450000	
Co	59	74	He	24.298	ug/l	1.0	1800	
Ni	60	74	He	49.746	ug/l	0.8	18000	
Cu	63	74	He	50.680	ug/l	0.7	18000	
Zn	66	74	He	266.671	ug/l	1.0	18000	
As	75	74	He	47.169	ug/l	1.5	4500	
Se	78	74	H2	49.288	ug/l	1.4	2700	
Sr	88	115	He	46.149	ug/l	1.4	4500	
Mo	95	115	He	47.312	ug/l	1.8	1800	
Ag	107	115	He	24.918	ug/l	0.5	900	
Cd	111	115	He	24.958	ug/l	4.1	4500	
Sn	118	115	He	50.376	ug/l	0.9	1800	
Sb	121	115	He	26.036	ug/l	1.9	900	
Ba	137	159	He	48.669	ug/l	0.6	18000	
Tl	205	159	He	19.362	ug/l	0.8	900	
(Pb)	206	209	He	24.646	ug/l	1.6		
(Pb)	207	209	He	24.282	ug/l	2.1		
Pb	208	209	He	24.349	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5221175.93	1.2	98.5	70	120	
Sc (ISICPMS)	45	No Gas	11714955.52	0.8	98.1	70	120	
Sc (ISICPMS)	45	H2	3102502.11	0.8	91.2	70	120	
Sc (ISICPMS)	45	He	139821.90	1.3	95.8	70	120	
Ge (IS)	74	H2	657264.44	0.3	93.6	70	120	
Ge (IS)	74	He	76317.78	1.9	98.0	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192040.10	1.5	99.6	70	120	
Tb (IS)	159	He	957478.26	0.1	101.7	70	120	
Bi (IS)	209	He	768762.73	0.8	101.9	70	120	

Sample Report

File Name 029SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:55:34

Sample Name **460-299230-Q-1-A**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.004	ug/l	105.4	1800	
B	11	6	No Gas	3.875	ug/l	1.7	1800	
Na	23	45	He	44.973	ug/l	15.7	450000	
Mg	24	45	He	4.288	ug/l	8.2	450000	
Al	27	45	He	5.323	ug/l	50.3	450000	
K	39	45	He	35.015	ug/l	32.5	450000	
Ca	40	45	H2	22.988	ug/l	2.9	900000	
Ti	47	45	No Gas	0.318	ug/l	30.0	9000	
V	51	74	He	-0.170	ug/l	N/A	4500	
Cr	52	74	He	-0.463	ug/l	N/A	18000	
Mn	55	74	He	0.553	ug/l	21.8	18000	
Fe	56	74	H2	198.642	ug/l	0.1	450000	
Co	59	74	He	0.014	ug/l	38.7	1800	
Ni	60	74	He	0.877	ug/l	11.6	18000	
Cu	63	74	He	0.551	ug/l	5.2	18000	
Zn	66	74	He	2.828	ug/l	10.5	18000	
As	75	74	He	0.088	ug/l	181.1	4500	
Se	78	74	H2	0.278	ug/l	21.7	2700	
Sr	88	115	He	0.081	ug/l	46.2	4500	
Mo	95	115	He	0.183	ug/l	23.0	1800	
Ag	107	115	He	0.009	ug/l	23.9	900	
Cd	111	115	He	0.015	ug/l	114.3	4500	
Sn	118	115	He	0.358	ug/l	33.2	1800	
Sb	121	115	He	0.051	ug/l	46.0	900	
Ba	137	159	He	0.235	ug/l	49.6	18000	
Tl	205	159	He	-0.084	ug/l	N/A	900	
(Pb)	206	209	He	0.086	ug/l	24.3		
(Pb)	207	209	He	0.100	ug/l	23.8		
Pb	208	209	He	0.096	ug/l	9.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5258585.06	0.9	99.2	70	120	
Sc (ISICPMS)	45	No Gas	11621901.91	1.3	97.3	70	120	
Sc (ISICPMS)	45	H2	3090060.13	0.2	90.8	70	120	
Sc (ISICPMS)	45	He	139583.97	1.3	95.7	70	120	
Ge (IS)	74	H2	645739.40	0.3	92.0	70	120	
Ge (IS)	74	He	75053.76	0.6	96.4	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	193440.00	1.1	100.3	70	120	
Tb (IS)	159	He	959132.97	1.4	101.9	70	120	
Bi (IS)	209	He	770146.59	1.8	102.1	70	120	

Continuing Calibration Verification (CCV)

File Name 030_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 11:57:55

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	99.661	ug/l	1.8	100	90	110	
B	11	6	No Gas	244.294	ug/l	2.9	250	225	275	
Na	23	45	He	25944.542	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25532.527	ug/l	0.6	25000	22500	27500	
Al	27	45	He	25317.129	ug/l	0.5	25000	22500	27500	
K	39	45	He	24908.589	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25787.415	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	96.950	ug/l	2.1	100	90	110	
V	51	74	He	98.092	ug/l	0.3	100	90	110	
Cr	52	74	He	98.635	ug/l	1.1	100	90	110	
Mn	55	74	He	99.294	ug/l	0.6	100	90	110	
Fe	56	74	H2	25440.538	ug/l	1.7	25000	22500	27500	
Co	59	74	He	99.962	ug/l	0.6	100	90	110	
Ni	60	74	He	100.892	ug/l	0.3	100	90	110	
Cu	63	74	He	101.563	ug/l	0.1	100	90	110	
Zn	66	74	He	249.342	ug/l	0.7	250	225	275	
As	75	74	He	96.985	ug/l	0.9	100	90	110	
Se	78	74	H2	104.628	ug/l	1.1	100	90	110	
Sr	88	115	He	98.197	ug/l	2.1	100	90	110	
Mo	95	115	He	100.941	ug/l	0.5	100	90	110	
Ag	107	115	He	50.727	ug/l	1.6	50	45	55	
Cd	111	115	He	99.947	ug/l	0.5	100	90	110	
Sn	118	115	He	103.365	ug/l	2.1	100	90	110	
Sb	121	115	He	102.488	ug/l	0.4	100	90	110	
Ba	137	159	He	99.496	ug/l	1.6	100	90	110	
Tl	205	159	He	102.162	ug/l	0.8	100	90	110	
(Pb)	206	209	He	102.140	ug/l	0.5				
(Pb)	207	209	He	100.771	ug/l	0.4				
Pb	208	209	He	101.592	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5155148.85	1.6	97.2	70	120	
Sc (ISICPMS)	45	No Gas	11455266.36	0.3	95.9	70	120	
Sc (ISICPMS)	45	H2	3011045.61	0.6	88.5	70	120	
Sc (ISICPMS)	45	He	133350.57	0.6	91.4	70	120	
Ge (IS)	74	H2	643143.78	0.4	91.6	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	73731.34	0.4	94.7	70	120	
Kr	83	He	10.01	173.2	300.0			
In-1	115	He	184802.86	1.2	95.8	70	120	
Tb (IS)	159	He	938917.49	0.4	99.7	70	120	
Bi (IS)	209	He	736238.20	0.6	97.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 031_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:00:14

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.012	ug/l	34.9	0.8	-0.8	0.8	
B	11	6	No Gas	2.900	ug/l	1.9	80	-80	80	
Na	23	45	He	2.235	ug/l	94.7	500	-500	500	
Mg	24	45	He	1.283	ug/l	79.7	200	-200	200	
Al	27	45	He	1.872	ug/l	77.0	40	-40	40	
K	39	45	He	5.883	ug/l	138.1	200	-200	200	
Ca	40	45	H2	1.741	ug/l	17.2	500	-500	500	
Ti	47	45	No Gas	0.385	ug/l	26.3	4	-4	4	
V	51	74	He	-0.127	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.060	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.060	ug/l	N/A	8	-8	8	
Fe	56	74	H2	2.642	ug/l	3.9	120	-120	120	
Co	59	74	He	-0.013	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.029	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.004	ug/l	1241.7	4	-4	4	
Zn	66	74	He	0.380	ug/l	46.8	16	-16	16	
As	75	74	He	0.093	ug/l	117.5	2	-2	2	
Se	78	74	H2	0.288	ug/l	10.5	2.5	-2.5	2.5	
Sr	88	115	He	-0.053	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.163	ug/l	13.0	4	-4	4	
Ag	107	115	He	0.000	ug/l	803.9	2	-2	2	
Cd	111	115	He	0.012	ug/l	58.4	2	-2	2	
Sn	118	115	He	-0.001	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.057	ug/l	19.0	2	-2	2	
Ba	137	159	He	-0.033	ug/l	N/A	4	-4	4	
Tl	205	159	He	-0.050	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	-0.008	ug/l	N/A				
(Pb)	207	209	He	-0.006	ug/l	N/A				
Pb	208	209	He	-0.008	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5202835.45	0.8	98.1	70	120	
Sc (ISICPMS)	45	No Gas	11612396.36	0.5	97.2	70	120	
Sc (ISICPMS)	45	H2	3057849.95	1.1	89.9	70	120	
Sc (ISICPMS)	45	He	136581.23	0.3	93.6	70	120	
Ge (IS)	74	H2	636125.61	0.9	90.6	70	120	
Ge (IS)	74	He	73311.73	0.9	94.1	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	192940.86	0.3	100.0	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	955355.95	1.1	101.5	70	120	
Bi (IS)	209	He	768100.27	0.8	101.8	70	120	

Sample Report

File Name 032SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:02:35

Sample Name **MB 460-965460/1-A**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.003	ug/l	126.4	1800	
B	11	6	No Gas	2.981	ug/l	5.7	1800	
Na	23	45	He	-1.536	ug/l	N/A	450000	
Mg	24	45	He	2.512	ug/l	6.0	450000	
Al	27	45	He	4.001	ug/l	35.7	450000	
K	39	45	He	9.417	ug/l	75.9	450000	
Ca	40	45	H2	4.968	ug/l	6.6	900000	
Ti	47	45	No Gas	-0.137	ug/l	N/A	9000	
V	51	74	He	-0.318	ug/l	N/A	4500	
Cr	52	74	He	-1.405	ug/l	N/A	18000	
Mn	55	74	He	0.039	ug/l	132.6	18000	
Fe	56	74	H2	4.304	ug/l	2.2	450000	
Co	59	74	He	-0.009	ug/l	N/A	1800	
Ni	60	74	He	0.391	ug/l	10.7	18000	
Cu	63	74	He	0.655	ug/l	6.2	18000	
Zn	66	74	He	1.159	ug/l	25.7	18000	
As	75	74	He	-0.010	ug/l	N/A	4500	
Se	78	74	H2	0.116	ug/l	27.6	2700	
Sr	88	115	He	0.021	ug/l	163.2	4500	
Mo	95	115	He	0.083	ug/l	45.9	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	0.007	ug/l	152.6	4500	
Sn	118	115	He	4.186	ug/l	6.3	1800	
Sb	121	115	He	0.022	ug/l	78.5	900	
Ba	137	159	He	0.024	ug/l	252.9	18000	
Tl	205	159	He	-0.097	ug/l	N/A	900	
(Pb)	206	209	He	0.037	ug/l	51.8		
(Pb)	207	209	He	0.022	ug/l	85.7		
Pb	208	209	He	0.030	ug/l	13.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5395878.63	0.4	101.8	70	120	
Sc (ISICPMS)	45	No Gas	12017003.57	0.4	100.6	70	120	
Sc (ISICPMS)	45	H2	3223720.30	0.6	94.8	70	120	
Sc (ISICPMS)	45	He	146360.40	0.9	100.3	70	120	
Ge (IS)	74	H2	670463.11	0.5	95.5	70	120	
Ge (IS)	74	He	78161.69	0.4	100.4	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	199532.37	0.9	103.4	70	120	
Tb (IS)	159	He	966458.33	0.5	102.7	70	120	
Bi (IS)	209	He	777843.62	0.5	103.1	70	120	

Sample Report

File Name 033SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:04:56

Sample Name **LCS 460-965460/2-A**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.598	ug/l	2.3	1800	
B	11	6	No Gas	459.355	ug/l	2.2	1800	
Na	23	45	He	2525.083	ug/l	0.4	450000	
Mg	24	45	He	2482.383	ug/l	1.2	450000	
Al	27	45	He	2487.727	ug/l	0.8	450000	
K	39	45	He	2480.720	ug/l	1.3	450000	
Ca	40	45	H2	2500.327	ug/l	1.4	900000	
Ti	47	45	No Gas	47.005	ug/l	1.0	9000	
V	51	74	He	47.409	ug/l	1.0	4500	
Cr	52	74	He	46.655	ug/l	0.1	18000	
Mn	55	74	He	239.903	ug/l	0.6	18000	
Fe	56	74	H2	2512.983	ug/l	1.5	450000	
Co	59	74	He	24.655	ug/l	0.5	1800	
Ni	60	74	He	48.891	ug/l	0.3	18000	
Cu	63	74	He	49.706	ug/l	0.4	18000	
Zn	66	74	He	244.122	ug/l	1.3	18000	
As	75	74	He	49.153	ug/l	1.9	4500	
Se	78	74	H2	47.862	ug/l	2.3	2700	
Sr	88	115	He	46.065	ug/l	0.3	4500	
Mo	95	115	He	44.296	ug/l	0.4	1800	
Ag	107	115	He	23.930	ug/l	1.1	900	
Cd	111	115	He	23.244	ug/l	4.8	4500	
Sn	118	115	He	46.524	ug/l	0.6	1800	
Sb	121	115	He	25.493	ug/l	1.0	900	
Ba	137	159	He	48.260	ug/l	1.9	18000	
Tl	205	159	He	19.576	ug/l	1.2	900	
(Pb)	206	209	He	24.785	ug/l	0.5		
(Pb)	207	209	He	23.997	ug/l	0.7		
Pb	208	209	He	24.330	ug/l	0.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5381164.36	0.9	101.5	70	120	
Sc (ISICPMS)	45	No Gas	11938123.71	0.5	99.9	70	120	
Sc (ISICPMS)	45	H2	3248618.63	1.1	95.5	70	120	
Sc (ISICPMS)	45	He	146411.32	1.4	100.3	70	120	
Ge (IS)	74	H2	681342.77	0.9	97.1	70	120	
Ge (IS)	74	He	78819.78	1.1	101.2	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	200074.39	0.9	103.7	70	120	
Tb (IS)	159	He	973204.60	0.4	103.4	70	120	
Bi (IS)	209	He	782558.57	0.9	103.7	70	120	

Sample Report

File Name 034SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:07:16

Sample Name **460-300220-A-1-A PDS**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	24.575	ug/l	2.6	1800	
B	11	6	No Gas	612.094	ug/l	1.4	1800	
Na	23	45	He	118020.173	ug/l	0.4	450000	
Mg	24	45	He	31446.922	ug/l	0.7	450000	
Al	27	45	He	2658.301	ug/l	0.5	450000	
K	39	45	He	27906.161	ug/l	0.2	450000	
Ca	40	45	H2	91379.745	ug/l	1.3	900000	
Ti	47	45	No Gas	57.434	ug/l	4.4	9000	
V	51	74	He	52.852	ug/l	1.5	4500	
Cr	52	74	He	49.301	ug/l	0.4	18000	
Mn	55	74	He	265.047	ug/l	1.2	18000	
Fe	56	74	H2	2833.120	ug/l	2.8	450000	
Co	59	74	He	24.846	ug/l	0.6	1800	
Ni	60	74	He	51.491	ug/l	1.3	18000	
Cu	63	74	He	218.148	ug/l	1.1	18000	
Zn	66	74	He	568.813	ug/l	1.1	18000	
As	75	74	He	52.026	ug/l	0.7	4500	
Se	78	74	H2	52.028	ug/l	0.7	2700	
Sr	88	115	He	391.395	ug/l	1.3	4500	
Mo	95	115	He	49.967	ug/l	2.0	1800	
Ag	107	115	He	24.383	ug/l	1.1	900	
Cd	111	115	He	25.255	ug/l	1.9	4500	
Sn	118	115	He	49.673	ug/l	1.6	1800	
Sb	121	115	He	16.408	ug/l	2.1	900	
Ba	137	159	He	82.344	ug/l	1.3	18000	
Tl	205	159	He	19.971	ug/l	1.2	900	
(Pb)	206	209	He	27.168	ug/l	1.0		
(Pb)	207	209	He	26.639	ug/l	0.5		
Pb	208	209	He	26.981	ug/l	0.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5224794.19	1.7	98.5	70	120	
Sc (ISICPMS)	45	No Gas	11684801.36	0.3	97.8	70	120	
Sc (ISICPMS)	45	H2	3230326.41	0.9	95.0	70	120	
Sc (ISICPMS)	45	He	145529.28	0.8	99.7	70	120	
Ge (IS)	74	H2	675743.73	1.1	96.3	70	120	
Ge (IS)	74	He	78925.77	1.1	101.3	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	195837.44	0.4	101.5	70	120	
Tb (IS)	159	He	972008.09	0.5	103.3	70	120	
Bi (IS)	209	He	750166.08	0.4	99.5	70	120	

Sample Report

File Name 035SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:09:35

Sample Name **460-300220-A-1-C MS**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.295	ug/l	3.9	1800	
B	11	6	No Gas	589.120	ug/l	3.3	1800	
Na	23	45	He	114268.900	ug/l	0.9	450000	
Mg	24	45	He	30704.779	ug/l	0.2	450000	
Al	27	45	He	2620.262	ug/l	0.6	450000	
K	39	45	He	27042.154	ug/l	0.6	450000	
Ca	40	45	H2	88622.231	ug/l	0.7	900000	
Ti	47	45	No Gas	52.303	ug/l	2.5	9000	
V	51	74	He	51.935	ug/l	2.0	4500	
Cr	52	74	He	48.371	ug/l	1.4	18000	
Mn	55	74	He	257.717	ug/l	1.2	18000	
Fe	56	74	H2	2755.265	ug/l	1.8	450000	
Co	59	74	He	24.280	ug/l	1.0	1800	
Ni	60	74	He	49.640	ug/l	1.8	18000	
Cu	63	74	He	212.082	ug/l	0.7	18000	
Zn	66	74	He	547.568	ug/l	0.8	18000	
As	75	74	He	49.155	ug/l	2.3	4500	
Se	78	74	H2	50.353	ug/l	1.2	2700	
Sr	88	115	He	377.019	ug/l	0.8	4500	
Mo	95	115	He	48.262	ug/l	0.9	1800	
Ag	107	115	He	23.401	ug/l	0.1	900	
Cd	111	115	He	23.493	ug/l	1.1	4500	
Sn	118	115	He	37.566	ug/l	3.6	1800	
Sb	121	115	He	26.917	ug/l	1.6	900	
Ba	137	159	He	79.640	ug/l	1.3	18000	
Tl	205	159	He	19.226	ug/l	0.7	900	
(Pb)	206	209	He	26.212	ug/l	1.0		
(Pb)	207	209	He	25.187	ug/l	1.4		
Pb	208	209	He	25.627	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5210186.62	0.7	98.3	70	120	
Sc (ISICPMS)	45	No Gas	12026225.10	1.7	100.7	70	120	
Sc (ISICPMS)	45	H2	3241728.42	0.2	95.3	70	120	
Sc (ISICPMS)	45	He	145901.05	1.2	100.0	70	120	
Ge (IS)	74	H2	678112.00	0.4	96.6	70	120	
Ge (IS)	74	He	79000.59	1.0	101.4	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	198300.69	0.8	102.8	70	120	
Tb (IS)	159	He	977942.74	0.4	103.9	70	120	
Bi (IS)	209	He	759657.77	1.4	100.7	70	120	

Sample Report

File Name 036SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:11:54

Sample Name **460-300220-A-1-B DU**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.006	ug/l	46.2	1800	
B	11	6	No Gas	119.616	ug/l	1.4	1800	
Na	23	45	He	114518.752	ug/l	0.4	450000	
Mg	24	45	He	28767.168	ug/l	0.5	450000	
Al	27	45	He	112.342	ug/l	11.4	450000	
K	39	45	He	25176.876	ug/l	0.2	450000	
Ca	40	45	H2	87759.123	ug/l	0.4	900000	
Ti	47	45	No Gas	6.324	ug/l	4.9	9000	
V	51	74	He	3.150	ug/l	4.3	4500	
Cr	52	74	He	-0.210	ug/l	N/A	18000	
Mn	55	74	He	21.303	ug/l	0.5	18000	
Fe	56	74	H2	298.552	ug/l	0.8	450000	
Co	59	74	He	0.271	ug/l	7.1	1800	
Ni	60	74	He	2.195	ug/l	4.4	18000	
Cu	63	74	He	166.228	ug/l	0.2	18000	
Zn	66	74	He	310.572	ug/l	0.2	18000	
As	75	74	He	1.155	ug/l	23.9	4500	
Se	78	74	H2	1.204	ug/l	9.0	2700	
Sr	88	115	He	336.102	ug/l	1.0	4500	
Mo	95	115	He	1.501	ug/l	3.6	1800	
Ag	107	115	He	0.026	ug/l	11.1	900	
Cd	111	115	He	0.072	ug/l	36.5	4500	
Sn	118	115	He	-2.284	ug/l	N/A	1800	
Sb	121	115	He	0.725	ug/l	6.1	900	
Ba	137	159	He	30.287	ug/l	3.9	18000	
Tl	205	159	He	-0.100	ug/l	N/A	900	
(Pb)	206	209	He	1.442	ug/l	3.4		
(Pb)	207	209	He	1.311	ug/l	5.6		
Pb	208	209	He	1.386	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5235989.09	1.3	98.8	70	120	
Sc (ISICPMS)	45	No Gas	11874311.35	0.7	99.4	70	120	
Sc (ISICPMS)	45	H2	3261858.77	0.3	95.9	70	120	
Sc (ISICPMS)	45	He	146559.03	0.3	100.4	70	120	
Ge (IS)	74	H2	681234.85	0.3	97.0	70	120	
Ge (IS)	74	He	80030.41	0.3	102.8	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	198524.98	0.4	102.9	70	120	
Tb (IS)	159	He	977921.55	0.3	103.9	70	120	
Bi (IS)	209	He	760217.86	0.1	100.8	70	120	

Sample Report

File Name 037SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:14:14

Sample Name **460-300220-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.002	ug/l	34.9	1800	
B	11	6	No Gas	118.999	ug/l	1.8	1800	
Na	23	45	He	116813.143	ug/l	0.5	450000	
Mg	24	45	He	29369.513	ug/l	0.2	450000	
Al	27	45	He	117.800	ug/l	4.1	450000	
K	39	45	He	25936.655	ug/l	0.3	450000	
Ca	40	45	H2	90373.866	ug/l	1.3	900000	
Ti	47	45	No Gas	6.339	ug/l	1.4	9000	
V	51	74	He	3.485	ug/l	2.0	4500	
Cr	52	74	He	2.955	ug/l	180.6	18000	
Mn	55	74	He	22.107	ug/l	4.4	18000	
Fe	56	74	H2	311.475	ug/l	0.7	450000	
Co	59	74	He	0.259	ug/l	5.9	1800	
Ni	60	74	He	2.163	ug/l	3.8	18000	
Cu	63	74	He	170.486	ug/l	0.2	18000	
Zn	66	74	He	321.150	ug/l	0.2	18000	
As	75	74	He	1.148	ug/l	14.2	4500	
Se	78	74	H2	1.145	ug/l	9.2	2700	
Sr	88	115	He	344.867	ug/l	0.7	4500	
Mo	95	115	He	1.287	ug/l	4.6	1800	
Ag	107	115	He	0.039	ug/l	11.6	900	
Cd	111	115	He	0.071	ug/l	23.8	4500	
Sn	118	115	He	-1.562	ug/l	N/A	1800	
Sb	121	115	He	0.664	ug/l	5.0	900	
Ba	137	159	He	32.044	ug/l	1.2	18000	
Tl	205	159	He	-0.103	ug/l	N/A	900	
(Pb)	206	209	He	1.406	ug/l	2.3		
(Pb)	207	209	He	1.266	ug/l	4.0		
Pb	208	209	He	1.338	ug/l	2.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5289007.46	0.2	99.8	70	120	
Sc (ISICPMS)	45	No Gas	11999094.96	0.8	100.5	70	120	
Sc (ISICPMS)	45	H2	3248738.63	0.6	95.5	70	120	
Sc (ISICPMS)	45	He	148008.60	0.5	101.4	70	120	
Ge (IS)	74	H2	684111.91	0.3	97.4	70	120	
Ge (IS)	74	He	79883.12	0.3	102.6	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	198838.78	0.4	103.1	70	120	
Tb (IS)	159	He	981644.36	0.9	104.3	70	120	
Bi (IS)	209	He	760060.91	0.4	100.8	70	120	

Sample Report

File Name 038SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:16:34

Sample Name **460-300220-A-1-A SD@5**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.000	ug/l	N/A	1800	
B	11	6	No Gas	26.137	ug/l	2.5	1800	
Na	23	45	He	23939.465	ug/l	0.9	450000	
Mg	24	45	He	5934.199	ug/l	1.0	450000	
Al	27	45	He	24.351	ug/l	6.0	450000	
K	39	45	He	5113.057	ug/l	0.3	450000	
Ca	40	45	H2	18130.815	ug/l	0.9	900000	
Ti	47	45	No Gas	1.422	ug/l	4.7	9000	
V	51	74	He	0.708	ug/l	9.9	4500	
Cr	52	74	He	-0.322	ug/l	N/A	18000	
Mn	55	74	He	4.198	ug/l	3.9	18000	
Fe	56	74	H2	62.405	ug/l	0.4	450000	
Co	59	74	He	0.049	ug/l	24.2	1800	
Ni	60	74	He	0.417	ug/l	6.0	18000	
Cu	63	74	He	34.257	ug/l	1.6	18000	
Zn	66	74	He	63.936	ug/l	1.2	18000	
As	75	74	He	0.147	ug/l	13.2	4500	
Se	78	74	H2	0.288	ug/l	25.6	2700	
Sr	88	115	He	66.175	ug/l	0.9	4500	
Mo	95	115	He	0.407	ug/l	8.0	1800	
Ag	107	115	He	0.002	ug/l	79.9	900	
Cd	111	115	He	0.031	ug/l	1.6	4500	
Sn	118	115	He	-1.029	ug/l	N/A	1800	
Sb	121	115	He	0.247	ug/l	19.1	900	
Ba	137	159	He	6.267	ug/l	4.5	18000	
Tl	205	159	He	-0.106	ug/l	N/A	900	
(Pb)	206	209	He	0.287	ug/l	2.4		
(Pb)	207	209	He	0.239	ug/l	18.4		
Pb	208	209	He	0.267	ug/l	9.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5375955.86	1.9	101.4	70	120	
Sc (ISICPMS)	45	No Gas	11746394.82	1.8	98.3	70	120	
Sc (ISICPMS)	45	H2	3168077.42	0.5	93.1	70	120	
Sc (ISICPMS)	45	He	141364.92	1.0	96.9	70	120	
Ge (IS)	74	H2	676310.03	0.5	96.3	70	120	
Ge (IS)	74	He	78423.23	0.9	100.7	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	194938.95	1.4	101.1	70	120	
Tb (IS)	159	He	964676.42	1.5	102.5	70	120	
Bi (IS)	209	He	763835.37	1.8	101.3	70	120	

Sample Report

File Name 039SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:18:54

Sample Name **460-300468-A-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.002	ug/l	N/A	1800	
B	11	6	No Gas	13.000	ug/l	2.5	1800	
Na	23	45	He	32517.634	ug/l	1.2	450000	
Mg	24	45	He	1526.761	ug/l	0.9	450000	
Al	27	45	He	23.835	ug/l	18.2	450000	
K	39	45	He	5221.084	ug/l	0.6	450000	
Ca	40	45	H2	4563.939	ug/l	0.5	900000	
Ti	47	45	No Gas	19.183	ug/l	37.6	9000	
V	51	74	He	0.084	ug/l	53.5	4500	
Cr	52	74	He	-0.419	ug/l	N/A	18000	
Mn	55	74	He	5.563	ug/l	1.7	18000	
Fe	56	74	H2	253.731	ug/l	3.5	450000	
Co	59	74	He	0.073	ug/l	8.5	1800	
Ni	60	74	He	1.245	ug/l	9.4	18000	
Cu	63	74	He	251.188	ug/l	0.9	18000	
Zn	66	74	He	45.252	ug/l	1.9	18000	
As	75	74	He	0.089	ug/l	67.8	4500	
Se	78	74	H2	0.221	ug/l	38.1	2700	
Sr	88	115	He	13.967	ug/l	3.7	4500	
Mo	95	115	He	0.515	ug/l	8.6	1800	
Ag	107	115	He	0.004	ug/l	72.7	900	
Cd	111	115	He	0.023	ug/l	77.0	4500	
Sn	118	115	He	-1.242	ug/l	N/A	1800	
Sb	121	115	He	0.181	ug/l	27.6	900	
Ba	137	159	He	4.851	ug/l	4.9	18000	
Tl	205	159	He	-0.108	ug/l	N/A	900	
(Pb)	206	209	He	0.328	ug/l	4.8		
(Pb)	207	209	He	0.334	ug/l	4.5		
Pb	208	209	He	0.323	ug/l	1.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5343879.43	1.4	100.8	70	120	
Sc (ISICPMS)	45	No Gas	11669510.94	1.2	97.7	70	120	
Sc (ISICPMS)	45	H2	3180915.51	0.8	93.5	70	120	
Sc (ISICPMS)	45	He	141696.82	1.2	97.1	70	120	
Ge (IS)	74	H2	681591.92	1.3	97.1	70	120	
Ge (IS)	74	He	77871.26	0.8	100.0	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	196689.19	0.9	102.0	70	120	
Tb (IS)	159	He	959234.08	1.4	101.9	70	120	
Bi (IS)	209	He	762970.99	0.6	101.2	70	120	

Sample Report

File Name 040SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:21:14

Sample Name **460-300296-D-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	560.5	1800	
B	11	6	No Gas	10.262	ug/l	3.2	1800	
Na	23	45	He	25503.037	ug/l	0.9	450000	
Mg	24	45	He	1730.353	ug/l	1.4	450000	
Al	27	45	He	17.917	ug/l	3.4	450000	
K	39	45	He	12178.764	ug/l	1.4	450000	
Ca	40	45	H2	3874.467	ug/l	0.3	900000	
Ti	47	45	No Gas	1.580	ug/l	63.6	9000	
V	51	74	He	0.094	ug/l	58.1	4500	
Cr	52	74	He	-0.209	ug/l	N/A	18000	
Mn	55	74	He	3.689	ug/l	0.6	18000	
Fe	56	74	H2	435.882	ug/l	0.6	450000	
Co	59	74	He	0.031	ug/l	18.4	1800	
Ni	60	74	He	0.821	ug/l	3.7	18000	
Cu	63	74	He	4.568	ug/l	3.0	18000	
Zn	66	74	He	132.416	ug/l	2.1	18000	
As	75	74	He	0.132	ug/l	23.4	4500	
Se	78	74	H2	0.079	ug/l	39.8	2700	
Sr	88	115	He	16.189	ug/l	3.3	4500	
Mo	95	115	He	0.295	ug/l	7.9	1800	
Ag	107	115	He	0.000	ug/l	N/A	900	
Cd	111	115	He	0.023	ug/l	104.3	4500	
Sn	118	115	He	-1.264	ug/l	N/A	1800	
Sb	121	115	He	0.174	ug/l	13.5	900	
Ba	137	159	He	3.739	ug/l	5.5	18000	
Tl	205	159	He	-0.107	ug/l	N/A	900	
(Pb)	206	209	He	2.237	ug/l	2.9		
(Pb)	207	209	He	2.055	ug/l	2.2		
Pb	208	209	He	2.154	ug/l	1.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5283760.51	0.8	99.7	70	120	
Sc (ISICPMS)	45	No Gas	11761401.08	1.3	98.5	70	120	
Sc (ISICPMS)	45	H2	3148184.15	0.3	92.5	70	120	
Sc (ISICPMS)	45	He	139777.38	1.3	95.8	70	120	
Ge (IS)	74	H2	675088.77	0.2	96.2	70	120	
Ge (IS)	74	He	77069.61	1.0	99.0	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192298.55	0.5	99.7	70	120	
Tb (IS)	159	He	960813.33	0.7	102.1	70	120	
Bi (IS)	209	He	760450.20	1.2	100.8	70	120	

Sample Report

File Name 041SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:23:34

Sample Name **460-300218-A-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	448.4	1800	
B	11	6	No Gas	5.614	ug/l	0.4	1800	
Na	23	45	He	31179.511	ug/l	0.8	450000	
Mg	24	45	He	679.893	ug/l	1.5	450000	
Al	27	45	He	1586.499	ug/l	1.2	450000	
K	39	45	He	1791.874	ug/l	1.0	450000	
Ca	40	45	H2	2134.057	ug/l	0.8	900000	
Ti	47	45	No Gas	1.043	ug/l	8.4	9000	
V	51	74	He	0.204	ug/l	20.7	4500	
Cr	52	74	He	0.673	ug/l	29.8	18000	
Mn	55	74	He	8.846	ug/l	5.7	18000	
Fe	56	74	H2	45.014	ug/l	0.4	450000	
Co	59	74	He	0.032	ug/l	38.1	1800	
Ni	60	74	He	0.800	ug/l	14.2	18000	
Cu	63	74	He	5.269	ug/l	1.0	18000	
Zn	66	74	He	47.770	ug/l	2.9	18000	
As	75	74	He	-0.028	ug/l	N/A	4500	
Se	78	74	H2	0.080	ug/l	61.1	2700	
Sr	88	115	He	5.363	ug/l	1.7	4500	
Mo	95	115	He	0.527	ug/l	15.6	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	0.016	ug/l	86.5	4500	
Sn	118	115	He	5.978	ug/l	2.5	1800	
Sb	121	115	He	0.156	ug/l	12.2	900	
Ba	137	159	He	1.595	ug/l	1.5	18000	
Tl	205	159	He	-0.106	ug/l	N/A	900	
(Pb)	206	209	He	0.754	ug/l	3.3		
(Pb)	207	209	He	0.661	ug/l	1.7		
Pb	208	209	He	0.697	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5333618.71	1.3	100.6	70	120	
Sc (ISICPMS)	45	No Gas	11577107.19	0.3	96.9	70	120	
Sc (ISICPMS)	45	H2	3127206.90	0.6	91.9	70	120	
Sc (ISICPMS)	45	He	138411.18	0.8	94.9	70	120	
Ge (IS)	74	H2	667448.11	0.9	95.1	70	120	
Ge (IS)	74	He	76624.96	0.8	98.4	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191167.32	0.1	99.1	70	120	
Tb (IS)	159	He	953802.89	0.9	101.3	70	120	
Bi (IS)	209	He	764618.53	0.2	101.4	70	120	

Continuing Calibration Verification (CCV)

File Name 042_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:25:54

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	100.036	ug/l	1.9	100	90	110	
B	11	6	No Gas	240.621	ug/l	2.4	250	225	275	
Na	23	45	He	26161.111	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25656.468	ug/l	0.2	25000	22500	27500	
Al	27	45	He	25457.318	ug/l	0.3	25000	22500	27500	
K	39	45	He	24754.494	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25397.996	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	97.848	ug/l	1.8	100	90	110	
V	51	74	He	97.354	ug/l	1.4	100	90	110	
Cr	52	74	He	96.991	ug/l	0.8	100	90	110	
Mn	55	74	He	97.025	ug/l	1.5	100	90	110	
Fe	56	74	H2	25510.727	ug/l	1.2	25000	22500	27500	
Co	59	74	He	99.609	ug/l	1.0	100	90	110	
Ni	60	74	He	99.748	ug/l	0.6	100	90	110	
Cu	63	74	He	100.506	ug/l	1.6	100	90	110	
Zn	66	74	He	245.882	ug/l	1.1	250	225	275	
As	75	74	He	97.560	ug/l	3.0	100	90	110	
Se	78	74	H2	103.774	ug/l	0.5	100	90	110	
Sr	88	115	He	97.649	ug/l	1.5	100	90	110	
Mo	95	115	He	100.937	ug/l	0.2	100	90	110	
Ag	107	115	He	50.904	ug/l	0.8	50	45	55	
Cd	111	115	He	99.951	ug/l	0.4	100	90	110	
Sn	118	115	He	101.721	ug/l	0.5	100	90	110	
Sb	121	115	He	102.907	ug/l	1.2	100	90	110	
Ba	137	159	He	99.124	ug/l	1.4	100	90	110	
Tl	205	159	He	102.944	ug/l	0.7	100	90	110	
(Pb)	206	209	He	102.729	ug/l	0.5				
(Pb)	207	209	He	101.513	ug/l	1.1				
Pb	208	209	He	101.773	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5206170.93	2.1	98.2	70	120	
Sc (ISICPMS)	45	No Gas	11286350.67	0.8	94.5	70	120	
Sc (ISICPMS)	45	H2	3007742.59	0.9	88.4	70	120	
Sc (ISICPMS)	45	He	129767.44	0.2	88.9	70	120	
Ge (IS)	74	H2	643946.69	0.6	91.7	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	73355.06	1.1	94.2	70	120	
Kr	83	He	13.35	43.3	400.0			
In-1	115	He	183440.11	0.7	95.1	70	120	
Tb (IS)	159	He	939262.25	0.3	99.8	70	120	
Bi (IS)	209	He	738285.91	0.4	97.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 043_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:28:14

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.004	ug/l	150.0	0.8	-0.8	0.8	
B	11	6	No Gas	3.085	ug/l	3.1	80	-80	80	
Na	23	45	He	3.140	ug/l	136.7	500	-500	500	
Mg	24	45	He	1.193	ug/l	37.6	200	-200	200	
Al	27	45	He	1.523	ug/l	14.9	40	-40	40	
K	39	45	He	1.602	ug/l	895.0	200	-200	200	
Ca	40	45	H2	2.270	ug/l	3.8	500	-500	500	
Ti	47	45	No Gas	0.119	ug/l	28.4	4	-4	4	
V	51	74	He	0.036	ug/l	115.1	4	-4	4	
Cr	52	74	He	-0.164	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.005	ug/l	655.2	8	-8	8	
Fe	56	74	H2	2.982	ug/l	3.6	120	-120	120	
Co	59	74	He	-0.007	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.081	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.046	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.456	ug/l	65.8	16	-16	16	
As	75	74	He	0.164	ug/l	79.1	2	-2	2	
Se	78	74	H2	0.187	ug/l	57.1	2.5	-2.5	2.5	
Sr	88	115	He	-0.022	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.167	ug/l	26.3	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	27471.4	2	-2	2	
Sn	118	115	He	-1.109	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.072	ug/l	62.7	2	-2	2	
Ba	137	159	He	-0.033	ug/l	N/A	4	-4	4	
Tl	205	159	He	-0.040	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	-0.015	ug/l	N/A				
(Pb)	207	209	He	-0.034	ug/l	N/A				
Pb	208	209	He	-0.016	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5243424.58	0.7	98.9	70	120	
Sc (ISICPMS)	45	No Gas	11461138.72	1.3	96.0	70	120	
Sc (ISICPMS)	45	H2	3049880.75	0.6	89.7	70	120	
Sc (ISICPMS)	45	He	134114.06	0.3	91.9	70	120	
Ge (IS)	74	H2	633965.90	0.7	90.3	70	120	
Ge (IS)	74	He	71386.71	0.7	91.7	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	187348.56	1.3	97.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	945975.35	0.8	100.5	70	120	
Bi (IS)	209	He	762075.93	1.4	101.0	70	120	

Sample Report

File Name 044SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:30:35

Sample Name **460-300219-A-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	476.5	1800	
B	11	6	No Gas	5.532	ug/l	3.8	1800	
Na	23	45	He	7171.223	ug/l	0.2	450000	
Mg	24	45	He	252.122	ug/l	2.2	450000	
Al	27	45	He	14.546	ug/l	17.3	450000	
K	39	45	He	74944.140	ug/l	0.5	450000	
Ca	40	45	H2	769.413	ug/l	1.1	900000	
Ti	47	45	No Gas	2.992	ug/l	1.4	9000	
V	51	74	He	0.548	ug/l	12.3	4500	
Cr	52	74	He	-0.131	ug/l	N/A	18000	
Mn	55	74	He	1.927	ug/l	4.4	18000	
Fe	56	74	H2	33.192	ug/l	4.7	450000	
Co	59	74	He	0.099	ug/l	6.8	1800	
Ni	60	74	He	0.635	ug/l	20.8	18000	
Cu	63	74	He	5.021	ug/l	1.9	18000	
Zn	66	74	He	30.992	ug/l	2.3	18000	
As	75	74	He	0.121	ug/l	74.0	4500	
Se	78	74	H2	0.136	ug/l	23.2	2700	
Sr	88	115	He	1.811	ug/l	8.6	4500	
Mo	95	115	He	0.113	ug/l	42.8	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.004	ug/l	340.2	4500	
Sn	118	115	He	0.809	ug/l	20.2	1800	
Sb	121	115	He	0.108	ug/l	6.8	900	
Ba	137	159	He	1.096	ug/l	9.8	18000	
Tl	205	159	He	-0.102	ug/l	N/A	900	
(Pb)	206	209	He	0.251	ug/l	11.1		
(Pb)	207	209	He	0.216	ug/l	11.3		
Pb	208	209	He	0.227	ug/l	2.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5277807.07	1.6	99.5	70	120	
Sc (ISICPMS)	45	No Gas	11630243.85	0.3	97.4	70	120	
Sc (ISICPMS)	45	H2	3094677.80	0.3	91.0	70	120	
Sc (ISICPMS)	45	He	134510.83	0.5	92.2	70	120	
Ge (IS)	74	H2	659436.47	0.3	93.9	70	120	
Ge (IS)	74	He	74247.35	1.1	95.3	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	187478.04	1.4	97.2	70	120	
Tb (IS)	159	He	938552.33	1.0	99.7	70	120	
Bi (IS)	209	He	749920.12	0.1	99.4	70	120	

Sample Report

File Name 045SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:32:56

Sample Name **460-300221-A-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.000	ug/l	1208.6	1800	
B	11	6	No Gas	14.645	ug/l	1.3	1800	
Na	23	45	He	79479.267	ug/l	1.0	450000	
Mg	24	45	He	2295.223	ug/l	0.5	450000	
Al	27	45	He	90.395	ug/l	2.9	450000	
K	39	45	He	20430.763	ug/l	0.3	450000	
Ca	40	45	H2	11313.223	ug/l	2.3	900000	
Ti	47	45	No Gas	5.017	ug/l	3.0	9000	
V	51	74	He	0.062	ug/l	98.7	4500	
Cr	52	74	He	-0.024	ug/l	N/A	18000	
Mn	55	74	He	17.077	ug/l	1.1	18000	
Fe	56	74	H2	251.441	ug/l	2.3	450000	
Co	59	74	He	0.190	ug/l	5.3	1800	
Ni	60	74	He	1.436	ug/l	2.2	18000	
Cu	63	74	He	67.252	ug/l	1.1	18000	
Zn	66	74	He	253.695	ug/l	1.0	18000	
As	75	74	He	0.273	ug/l	38.7	4500	
Se	78	74	H2	0.196	ug/l	22.9	2700	
Sr	88	115	He	70.478	ug/l	0.3	4500	
Mo	95	115	He	0.683	ug/l	7.6	1800	
Ag	107	115	He	0.002	ug/l	175.4	900	
Cd	111	115	He	0.076	ug/l	37.0	4500	
Sn	118	115	He	-0.326	ug/l	N/A	1800	
Sb	121	115	He	0.537	ug/l	5.0	900	
Ba	137	159	He	3.204	ug/l	6.9	18000	
Tl	205	159	He	-0.101	ug/l	N/A	900	
(Pb)	206	209	He	0.512	ug/l	6.0		
(Pb)	207	209	He	0.477	ug/l	9.2		
Pb	208	209	He	0.501	ug/l	5.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5226274.06	0.5	98.6	70	120	
Sc (ISICPMS)	45	No Gas	11505588.58	0.8	96.3	70	120	
Sc (ISICPMS)	45	H2	3090822.07	0.8	90.9	70	120	
Sc (ISICPMS)	45	He	134558.92	0.8	92.2	70	120	
Ge (IS)	74	H2	665160.09	0.6	94.7	70	120	
Ge (IS)	74	He	75081.54	0.7	96.4	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186878.43	0.7	96.9	70	120	
Tb (IS)	159	He	944885.59	0.8	100.4	70	120	
Bi (IS)	209	He	740532.11	0.3	98.2	70	120	

Sample Report

File Name 046SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:35:15

Sample Name **460-300301-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	340.7	1800	
B	11	6	No Gas	117.487	ug/l	3.4	1800	
Na	23	45	He	97365.908	ug/l	0.5	450000	
Mg	24	45	He	26774.884	ug/l	1.0	450000	
Al	27	45	He	402.085	ug/l	7.0	450000	
K	39	45	He	289843.358	ug/l	0.6	450000	
Ca	40	45	H2	68540.891	ug/l	1.7	900000	
Ti	47	45	No Gas	15.309	ug/l	13.1	9000	
V	51	74	He	0.881	ug/l	9.2	4500	
Cr	52	74	He	2.777	ug/l	17.3	18000	
Mn	55	74	He	27.168	ug/l	2.5	18000	
Fe	56	74	H2	247.869	ug/l	0.2	450000	
Co	59	74	He	13.366	ug/l	42.0	1800	
Ni	60	74	He	48.973	ug/l	0.9	18000	
Cu	63	74	He	8.997	ug/l	2.5	18000	
Zn	66	74	He	44.359	ug/l	2.4	18000	
As	75	74	He	1.273	ug/l	10.8	4500	
Se	78	74	H2	0.760	ug/l	31.0	2700	
Sr	88	115	He	164.758	ug/l	0.7	4500	
Mo	95	115	He	19.277	ug/l	1.5	1800	
Ag	107	115	He	12.308	ug/l	0.9	900	
Cd	111	115	He	1.911	ug/l	26.1	4500	
Sn	118	115	He	-2.559	ug/l	N/A	1800	
Sb	121	115	He	0.128	ug/l	23.0	900	
Ba	137	159	He	19.704	ug/l	2.2	18000	
Tl	205	159	He	-0.103	ug/l	N/A	900	
(Pb)	206	209	He	0.789	ug/l	3.3		
(Pb)	207	209	He	0.624	ug/l	1.9		
Pb	208	209	He	0.675	ug/l	1.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5137078.19	1.6	96.9	70	120	
Sc (ISICPMS)	45	No Gas	11436593.58	0.9	95.7	70	120	
Sc (ISICPMS)	45	H2	3114816.55	0.6	91.6	70	120	
Sc (ISICPMS)	45	He	136131.89	0.2	93.3	70	120	
Ge (IS)	74	H2	652556.42	0.5	93.0	70	120	
Ge (IS)	74	He	74411.47	0.7	95.5	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	187259.49	0.3	97.1	70	120	
Tb (IS)	159	He	938312.95	0.7	99.7	70	120	
Bi (IS)	209	He	728221.29	0.5	96.5	70	120	

Sample Report

File Name 047SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:37:33

Sample Name **460-300246-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.057	ug/l	7.6	1800	
B	11	6	No Gas	1324.620	ug/l	1.9	1800	
Na	23	45	He	19292.380	ug/l	0.2	450000	
Mg	24	45	He	6563.732	ug/l	0.4	450000	
Al	27	45	He	143.987	ug/l	1.6	450000	
K	39	45	He	3643.566	ug/l	1.1	450000	
Ca	40	45	H2	11509.723	ug/l	0.4	900000	
Ti	47	45	No Gas	0.897	ug/l	18.2	9000	
V	51	74	He	-0.044	ug/l	N/A	4500	
Cr	52	74	He	-1.275	ug/l	N/A	18000	
Mn	55	74	He	33.763	ug/l	2.5	18000	
Fe	56	74	H2	183.482	ug/l	1.0	450000	
Co	59	74	He	1.657	ug/l	1.4	1800	
Ni	60	74	He	3.322	ug/l	4.3	18000	
Cu	63	74	He	7.267	ug/l	2.0	18000	
Zn	66	74	He	24.535	ug/l	3.5	18000	
As	75	74	He	0.853	ug/l	22.9	4500	
Se	78	74	H2	0.145	ug/l	37.8	2700	
Sr	88	115	He	84.014	ug/l	0.8	4500	
Mo	95	115	He	1619.093	ug/l	0.3	1800	
Ag	107	115	He	0.020	ug/l	18.5	900	
Cd	111	115	He	0.369	ug/l	10.0	4500	
Sn	118	115	He	5.511	ug/l	4.1	1800	
Sb	121	115	He	0.118	ug/l	13.2	900	
Ba	137	159	He	268.857	ug/l	0.9	18000	
Tl	205	159	He	-0.021	ug/l	N/A	900	
(Pb)	206	209	He	0.785	ug/l	1.8		
(Pb)	207	209	He	0.729	ug/l	4.4		
Pb	208	209	He	0.746	ug/l	4.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5388277.14	1.0	101.6	70	120	
Sc (ISICPMS)	45	No Gas	11585624.97	1.5	97.0	70	120	
Sc (ISICPMS)	45	H2	3145183.91	0.3	92.5	70	120	
Sc (ISICPMS)	45	He	137110.52	0.9	94.0	70	120	
Ge (IS)	74	H2	673359.32	0.5	95.9	70	120	
Ge (IS)	74	He	75568.51	1.5	97.0	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	197178.10	1.0	102.2	70	120	
Tb (IS)	159	He	972951.23	0.6	103.4	70	120	
Bi (IS)	209	He	779143.30	0.5	103.3	70	120	

Sample Report

File Name 048SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:39:53

Sample Name **460-300294-G-1-A**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.782	ug/l	3.3	1800	
B	11	6	No Gas	30.094	ug/l	1.5	1800	
Na	23	45	He	39606.728	ug/l	0.7	450000	
Mg	24	45	He	9837.270	ug/l	0.3	450000	
Al	27	45	He	322.030	ug/l	10.4	450000	
K	39	45	He	3455.759	ug/l	0.8	450000	
Ca	40	45	H2	17195.035	ug/l	1.0	900000	
Ti	47	45	No Gas	4.851	ug/l	49.6	9000	
V	51	74	He	1.167	ug/l	7.7	4500	
Cr	52	74	He	-0.988	ug/l	N/A	18000	
Mn	55	74	He	209.904	ug/l	0.8	18000	
Fe	56	74	H2	87.134	ug/l	4.1	450000	
Co	59	74	He	20.586	ug/l	1.4	1800	
Ni	60	74	He	16.607	ug/l	0.8	18000	
Cu	63	74	He	9.424	ug/l	0.8	18000	
Zn	66	74	He	26.040	ug/l	5.1	18000	
As	75	74	He	0.427	ug/l	50.1	4500	
Se	78	74	H2	0.484	ug/l	10.1	2700	
Sr	88	115	He	93.068	ug/l	1.5	4500	
Mo	95	115	He	4.675	ug/l	4.2	1800	
Ag	107	115	He	0.018	ug/l	12.5	900	
Cd	111	115	He	0.590	ug/l	18.8	4500	
Sn	118	115	He	-2.790	ug/l	N/A	1800	
Sb	121	115	He	0.051	ug/l	38.7	900	
Ba	137	159	He	167.859	ug/l	0.5	18000	
Tl	205	159	He	-0.051	ug/l	N/A	900	
(Pb)	206	209	He	0.307	ug/l	7.8		
(Pb)	207	209	He	0.329	ug/l	25.7		
Pb	208	209	He	0.312	ug/l	9.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5345704.09	0.3	100.8	70	120	
Sc (ISICPMS)	45	No Gas	11563230.94	2.1	96.8	70	120	
Sc (ISICPMS)	45	H2	3096291.97	0.3	91.0	70	120	
Sc (ISICPMS)	45	He	136030.88	0.6	93.2	70	120	
Ge (IS)	74	H2	663937.41	0.4	94.6	70	120	
Ge (IS)	74	He	75286.89	0.9	96.7	70	120	
Kr	83	He	23.36	65.5	700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191777.19	1.0	99.4	70	120	
Tb (IS)	159	He	960592.75	0.5	102.0	70	120	
Bi (IS)	209	He	766165.27	0.4	101.6	70	120	

Sample Report

File Name 049SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:42:13

Sample Name **460-300294-G-2-A**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.281	ug/l	4.4	1800	
B	11	6	No Gas	69.199	ug/l	2.8	1800	
Na	23	45	He	207266.061	ug/l	0.9	450000	
Mg	24	45	He	28262.806	ug/l	0.9	450000	
Al	27	45	He	230.660	ug/l	1.6	450000	
K	39	45	He	8556.715	ug/l	1.1	450000	
Ca	40	45	H2	81946.592	ug/l	0.7	900000	
Ti	47	45	No Gas	0.194	ug/l	155.1	9000	
V	51	74	He	0.020	ug/l	55.6	4500	
Cr	52	74	He	-1.503	ug/l	N/A	18000	
Mn	55	74	He	632.471	ug/l	0.3	18000	
Fe	56	74	H2	13.038	ug/l	10.9	450000	
Co	59	74	He	16.196	ug/l	0.3	1800	
Ni	60	74	He	2.454	ug/l	7.5	18000	
Cu	63	74	He	1.619	ug/l	4.5	18000	
Zn	66	74	He	15.908	ug/l	5.4	18000	
As	75	74	He	1.991	ug/l	5.9	4500	
Se	78	74	H2	2.353	ug/l	0.3	2700	
Sr	88	115	He	1071.775	ug/l	0.4	4500	
Mo	95	115	He	1.534	ug/l	5.9	1800	
Ag	107	115	He	0.005	ug/l	80.8	900	
Cd	111	115	He	0.587	ug/l	2.2	4500	
Sn	118	115	He	-3.173	ug/l	N/A	1800	
Sb	121	115	He	0.068	ug/l	34.0	900	
Ba	137	159	He	48.832	ug/l	0.8	18000	
Tl	205	159	He	-0.051	ug/l	N/A	900	
(Pb)	206	209	He	0.089	ug/l	22.8		
(Pb)	207	209	He	0.067	ug/l	21.5		
Pb	208	209	He	0.086	ug/l	6.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5287345.37	2.4	99.7	70	120	
Sc (ISICPMS)	45	No Gas	11380899.55	2.8	95.3	70	120	
Sc (ISICPMS)	45	H2	3109064.88	0.7	91.4	70	120	
Sc (ISICPMS)	45	He	138364.16	0.5	94.8	70	120	
Ge (IS)	74	H2	657599.24	0.7	93.7	70	120	
Ge (IS)	74	He	76546.84	0.6	98.3	70	120	
Kr	83	He	53.39	10.8	1600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	189100.18	0.2	98.0	70	120	
Tb (IS)	159	He	968385.78	0.5	102.9	70	120	
Bi (IS)	209	He	729216.96	0.1	96.7	70	120	

Sample Report

File Name 050SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:44:33

Sample Name **460-300294-G-3-A**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.749	ug/l	4.7	1800	
B	11	6	No Gas	40.794	ug/l	1.1	1800	
Na	23	45	He	127223.552	ug/l	0.3	450000	
Mg	24	45	He	17445.288	ug/l	0.3	450000	
Al	27	45	He	397.405	ug/l	1.6	450000	
K	39	45	He	5495.145	ug/l	0.4	450000	
Ca	40	45	H2	44556.434	ug/l	0.9	900000	
Ti	47	45	No Gas	-0.038	ug/l	N/A	9000	
V	51	74	He	0.102	ug/l	61.8	4500	
Cr	52	74	He	-1.278	ug/l	N/A	18000	
Mn	55	74	He	270.478	ug/l	0.3	18000	
Fe	56	74	H2	7.582	ug/l	1.4	450000	
Co	59	74	He	30.212	ug/l	0.6	1800	
Ni	60	74	He	7.412	ug/l	3.5	18000	
Cu	63	74	He	6.300	ug/l	3.0	18000	
Zn	66	74	He	26.254	ug/l	2.3	18000	
As	75	74	He	1.043	ug/l	13.5	4500	
Se	78	74	H2	1.883	ug/l	15.0	2700	
Sr	88	115	He	454.780	ug/l	0.8	4500	
Mo	95	115	He	0.807	ug/l	4.3	1800	
Ag	107	115	He	0.023	ug/l	15.0	900	
Cd	111	115	He	0.884	ug/l	8.5	4500	
Sn	118	115	He	-3.021	ug/l	N/A	1800	
Sb	121	115	He	0.061	ug/l	16.1	900	
Ba	137	159	He	75.233	ug/l	0.6	18000	
Tl	205	159	He	-0.060	ug/l	N/A	900	
(Pb)	206	209	He	0.098	ug/l	15.0		
(Pb)	207	209	He	0.083	ug/l	18.3		
Pb	208	209	He	0.105	ug/l	8.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5440024.02	0.7	102.6	70	120	
Sc (ISICPMS)	45	No Gas	11749500.24	0.7	98.4	70	120	
Sc (ISICPMS)	45	H2	3154177.24	0.4	92.7	70	120	
Sc (ISICPMS)	45	He	139606.48	0.5	95.7	70	120	
Ge (IS)	74	H2	666919.48	1.1	95.0	70	120	
Ge (IS)	74	He	76519.88	0.4	98.3	70	120	
Kr	83	He	30.03	33.3	900.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191630.65	0.9	99.3	70	120	
Tb (IS)	159	He	963898.28	0.8	102.4	70	120	
Bi (IS)	209	He	745934.90	0.4	98.9	70	120	

Sample Report

File Name 051SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:46:53

Sample Name **460-300294-G-4-A**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	1.361	ug/l	6.1	1800	
B	11	6	No Gas	42.437	ug/l	2.2	1800	
Na	23	45	He	107442.205	ug/l	0.9	450000	
Mg	24	45	He	16961.610	ug/l	0.6	450000	
Al	27	45	He	345.841	ug/l	2.1	450000	
K	39	45	He	4882.123	ug/l	0.6	450000	
Ca	40	45	H2	41059.683	ug/l	0.5	900000	
Ti	47	45	No Gas	1.358	ug/l	64.5	9000	
V	51	74	He	0.764	ug/l	3.8	4500	
Cr	52	74	He	-1.238	ug/l	N/A	18000	
Mn	55	74	He	753.643	ug/l	1.3	18000	
Fe	56	74	H2	39.795	ug/l	3.1	450000	
Co	59	74	He	68.917	ug/l	0.6	1800	
Ni	60	74	He	15.538	ug/l	3.4	18000	
Cu	63	74	He	15.645	ug/l	2.0	18000	
Zn	66	74	He	49.933	ug/l	0.7	18000	
As	75	74	He	1.331	ug/l	7.6	4500	
Se	78	74	H2	1.383	ug/l	4.6	2700	
Sr	88	115	He	219.494	ug/l	1.0	4500	
Mo	95	115	He	0.575	ug/l	14.7	1800	
Ag	107	115	He	0.021	ug/l	32.0	900	
Cd	111	115	He	1.284	ug/l	4.4	4500	
Sn	118	115	He	-3.174	ug/l	N/A	1800	
Sb	121	115	He	0.046	ug/l	56.8	900	
Ba	137	159	He	85.819	ug/l	0.7	18000	
Tl	205	159	He	-0.023	ug/l	N/A	900	
(Pb)	206	209	He	0.184	ug/l	18.1		
(Pb)	207	209	He	0.148	ug/l	19.6		
Pb	208	209	He	0.169	ug/l	15.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5415237.17	1.7	102.1	70	120	
Sc (ISICPMS)	45	No Gas	11641406.91	0.4	97.5	70	120	
Sc (ISICPMS)	45	H2	3102801.34	0.4	91.2	70	120	
Sc (ISICPMS)	45	He	136812.10	0.5	93.8	70	120	
Ge (IS)	74	H2	660996.29	1.0	94.2	70	120	
Ge (IS)	74	He	75673.33	1.4	97.2	70	120	
Kr	83	He	50.05	20.0	1500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191007.47	0.4	99.0	70	120	
Tb (IS)	159	He	963998.93	1.4	102.4	70	120	
Bi (IS)	209	He	747154.25	1.0	99.1	70	120	

Sample Report

File Name 052SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:49:12

Sample Name **460-300294-G-5-A**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.082	ug/l	9.0	1800	
B	11	6	No Gas	26.728	ug/l	2.2	1800	
Na	23	45	He	114062.556	ug/l	1.4	450000	
Mg	24	45	He	9090.178	ug/l	0.9	450000	
Al	27	45	He	311.821	ug/l	10.0	450000	
K	39	45	He	3374.340	ug/l	1.0	450000	
Ca	40	45	H2	25306.266	ug/l	1.8	900000	
Ti	47	45	No Gas	5.270	ug/l	22.5	9000	
V	51	74	He	0.846	ug/l	13.6	4500	
Cr	52	74	He	-0.987	ug/l	N/A	18000	
Mn	55	74	He	17.554	ug/l	1.9	18000	
Fe	56	74	H2	112.356	ug/l	3.4	450000	
Co	59	74	He	2.947	ug/l	1.1	1800	
Ni	60	74	He	1.262	ug/l	3.7	18000	
Cu	63	74	He	2.032	ug/l	2.3	18000	
Zn	66	74	He	5.527	ug/l	1.1	18000	
As	75	74	He	0.295	ug/l	20.2	4500	
Se	78	74	H2	0.690	ug/l	8.8	2700	
Sr	88	115	He	115.036	ug/l	1.1	4500	
Mo	95	115	He	0.476	ug/l	11.1	1800	
Ag	107	115	He	0.015	ug/l	47.3	900	
Cd	111	115	He	0.169	ug/l	22.1	4500	
Sn	118	115	He	-3.229	ug/l	N/A	1800	
Sb	121	115	He	0.044	ug/l	17.8	900	
Ba	137	159	He	78.739	ug/l	0.7	18000	
Tl	205	159	He	-0.072	ug/l	N/A	900	
(Pb)	206	209	He	0.246	ug/l	15.4		
(Pb)	207	209	He	0.263	ug/l	21.9		
Pb	208	209	He	0.249	ug/l	8.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5422731.03	1.5	102.3	70	120	
Sc (ISICPMS)	45	No Gas	11395134.28	1.4	95.4	70	120	
Sc (ISICPMS)	45	H2	3104398.81	0.8	91.3	70	120	
Sc (ISICPMS)	45	He	136399.66	0.4	93.5	70	120	
Ge (IS)	74	H2	660303.10	0.8	94.1	70	120	
Ge (IS)	74	He	74780.07	0.6	96.0	70	120	
Kr	83	He	13.35	114.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	190239.62	1.0	98.6	70	120	
Tb (IS)	159	He	949471.20	1.2	100.9	70	120	
Bi (IS)	209	He	745181.31	1.5	98.8	70	120	

Sample Report

File Name 053SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:51:31

Sample Name **460-300397-C-5-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.001	ug/l	N/A	1800	
B	11	6	No Gas	24.497	ug/l	3.3	1800	
Na	23	45	He	3783.648	ug/l	0.9	450000	
Mg	24	45	He	3972.167	ug/l	0.7	450000	
Al	27	45	He	4.131	ug/l	13.7	450000	
K	39	45	He	1775.448	ug/l	0.5	450000	
Ca	40	45	H2	36780.678	ug/l	1.9	900000	
Ti	47	45	No Gas	0.179	ug/l	70.2	9000	
V	51	74	He	3.351	ug/l	3.8	4500	
Cr	52	74	He	-1.437	ug/l	N/A	18000	
Mn	55	74	He	0.163	ug/l	17.5	18000	
Fe	56	74	H2	1.055	ug/l	23.5	450000	
Co	59	74	He	0.039	ug/l	55.8	1800	
Ni	60	74	He	16.194	ug/l	6.0	18000	
Cu	63	74	He	258.324	ug/l	0.8	18000	
Zn	66	74	He	264.257	ug/l	1.2	18000	
As	75	74	He	0.453	ug/l	17.8	4500	
Se	78	74	H2	2.294	ug/l	2.0	2700	
Sr	88	115	He	119.082	ug/l	0.3	4500	
Mo	95	115	He	2.833	ug/l	5.1	1800	
Ag	107	115	He	0.001	ug/l	205.3	900	
Cd	111	115	He	2.861	ug/l	7.3	4500	
Sn	118	115	He	-3.188	ug/l	N/A	1800	
Sb	121	115	He	13.184	ug/l	3.0	900	
Ba	137	159	He	19.835	ug/l	3.2	18000	
Tl	205	159	He	-0.090	ug/l	N/A	900	
(Pb)	206	209	He	0.855	ug/l	2.5		
(Pb)	207	209	He	0.793	ug/l	3.0		
Pb	208	209	He	0.836	ug/l	2.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5653113.18	1.1	106.6	70	120	
Sc (ISICPMS)	45	No Gas	11640473.44	1.1	97.5	70	120	
Sc (ISICPMS)	45	H2	3061603.98	0.9	90.0	70	120	
Sc (ISICPMS)	45	He	134210.82	1.0	92.0	70	120	
Ge (IS)	74	H2	655090.31	1.1	93.3	70	120	
Ge (IS)	74	He	74452.77	0.3	95.6	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191892.36	1.1	99.5	70	120	
Tb (IS)	159	He	968672.79	0.5	102.9	70	120	
Bi (IS)	209	He	773217.80	0.9	102.5	70	120	

Continuing Calibration Verification (CCV)

File Name 054_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:53:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	102.302	ug/l	1.7	100	90	110	
B	11	6	No Gas	239.299	ug/l	1.6	250	225	275	
Na	23	45	He	26325.528	ug/l	0.1	25000	22500	27500	
Mg	24	45	He	25817.086	ug/l	0.4	25000	22500	27500	
Al	27	45	He	25516.671	ug/l	0.3	25000	22500	27500	
K	39	45	He	24681.561	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25426.348	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	96.517	ug/l	1.1	100	90	110	
V	51	74	He	98.723	ug/l	1.3	100	90	110	
Cr	52	74	He	98.572	ug/l	1.5	100	90	110	
Mn	55	74	He	98.760	ug/l	0.7	100	90	110	
Fe	56	74	H2	25285.568	ug/l	0.7	25000	22500	27500	
Co	59	74	He	100.734	ug/l	1.0	100	90	110	
Ni	60	74	He	100.787	ug/l	1.1	100	90	110	
Cu	63	74	He	102.548	ug/l	0.6	100	90	110	
Zn	66	74	He	251.699	ug/l	1.2	250	225	275	
As	75	74	He	102.235	ug/l	1.6	100	90	110	
Se	78	74	H2	101.108	ug/l	1.9	100	90	110	
Sr	88	115	He	94.736	ug/l	0.9	100	90	110	
Mo	95	115	He	99.947	ug/l	0.8	100	90	110	
Ag	107	115	He	51.036	ug/l	1.0	50	45	55	
Cd	111	115	He	99.267	ug/l	0.5	100	90	110	
Sn	118	115	He	100.506	ug/l	1.9	100	90	110	
Sb	121	115	He	102.563	ug/l	0.8	100	90	110	
Ba	137	159	He	95.999	ug/l	2.1	100	90	110	
Tl	205	159	He	103.072	ug/l	0.1	100	90	110	
(Pb)	206	209	He	101.824	ug/l	0.8				
(Pb)	207	209	He	100.979	ug/l	0.9				
Pb	208	209	He	101.439	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5094675.17	0.5	96.1	70	120	
Sc (ISICPMS)	45	No Gas	10907425.81	0.4	91.3	70	120	
Sc (ISICPMS)	45	H2	2848362.84	0.8	83.7	70	120	
Sc (ISICPMS)	45	He	123519.17	0.7	84.6	70	120	
Ge (IS)	74	H2	613722.87	0.9	87.4	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68717.52	0.9	88.2	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	178383.73	1.0	92.5	70	120	
Tb (IS)	159	He	926425.07	0.5	98.4	70	120	
Bi (IS)	209	He	731034.19	1.3	96.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 055_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:56:10

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.007	ug/l	26.9	0.8	-0.8	0.8	
B	11	6	No Gas	3.388	ug/l	5.3	80	-80	80	
Na	23	45	He	14.866	ug/l	2.9	500	-500	500	
Mg	24	45	He	1.619	ug/l	35.1	200	-200	200	
Al	27	45	He	3.460	ug/l	77.6	40	-40	40	
K	39	45	He	9.798	ug/l	147.1	200	-200	200	
Ca	40	45	H2	4.011	ug/l	5.7	500	-500	500	
Ti	47	45	No Gas	0.095	ug/l	79.8	4	-4	4	
V	51	74	He	0.059	ug/l	184.1	4	-4	4	
Cr	52	74	He	-0.037	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.027	ug/l	N/A	8	-8	8	
Fe	56	74	H2	2.960	ug/l	5.6	120	-120	120	
Co	59	74	He	-0.010	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.068	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.023	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.558	ug/l	49.3	16	-16	16	
As	75	74	He	0.063	ug/l	92.6	2	-2	2	
Se	78	74	H2	0.187	ug/l	10.7	2.5	-2.5	2.5	
Sr	88	115	He	-0.033	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.354	ug/l	6.4	4	-4	4	
Ag	107	115	He	-0.004	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.004	ug/l	164.7	2	-2	2	
Sn	118	115	He	-1.749	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.055	ug/l	19.3	2	-2	2	
Ba	137	159	He	-0.018	ug/l	N/A	4	-4	4	
Tl	205	159	He	-0.038	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	0.020	ug/l	116.9				
(Pb)	207	209	He	0.005	ug/l	473.6				
Pb	208	209	He	0.016	ug/l	70.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5178187.60	0.6	97.7	70	120	
Sc (ISICPMS)	45	No Gas	11002657.75	0.8	92.1	70	120	
Sc (ISICPMS)	45	H2	2924474.30	0.8	86.0	70	120	
Sc (ISICPMS)	45	He	126685.08	0.3	86.8	70	120	
Ge (IS)	74	H2	612873.92	0.6	87.3	70	120	
Ge (IS)	74	He	69005.49	0.7	88.6	70	120	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	182806.53	1.3	94.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	927204.25	1.0	98.5	70	120	
Bi (IS)	209	He	752085.43	0.9	99.7	70	120	

Sample Report

File Name 056SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 12:58:30

Sample Name **460-300269-G-2-A**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.159	ug/l	11.3	1800	
B	11	6	No Gas	58.730	ug/l	0.3	1800	
Na	23	45	He	39486.980	ug/l	0.2	450000	
Mg	24	45	He	34497.567	ug/l	0.8	450000	
Al	27	45	He	14.380	ug/l	11.3	450000	
K	39	45	He	3416.584	ug/l	1.2	450000	
Ca	40	45	H2	47919.298	ug/l	2.0	900000	
Ti	47	45	No Gas	1.144	ug/l	6.1	9000	
V	51	74	He	0.680	ug/l	18.1	4500	
Cr	52	74	He	-1.378	ug/l	N/A	18000	
Mn	55	74	He	24.519	ug/l	1.0	18000	
Fe	56	74	H2	0.870	ug/l	13.3	450000	
Co	59	74	He	0.938	ug/l	4.7	1800	
Ni	60	74	He	17.212	ug/l	0.3	18000	
Cu	63	74	He	1.442	ug/l	9.5	18000	
Zn	66	74	He	15.527	ug/l	1.9	18000	
As	75	74	He	0.584	ug/l	27.4	4500	
Se	78	74	H2	0.193	ug/l	15.1	2700	
Sr	88	115	He	465.717	ug/l	2.2	4500	
Mo	95	115	He	0.295	ug/l	1.5	1800	
Ag	107	115	He	0.006	ug/l	56.9	900	
Cd	111	115	He	0.045	ug/l	27.7	4500	
Sn	118	115	He	-3.221	ug/l	N/A	1800	
Sb	121	115	He	0.016	ug/l	84.2	900	
Ba	137	159	He	733.260	ug/l	0.4	18000	
Tl	205	159	He	-0.106	ug/l	N/A	900	
(Pb)	206	209	He	0.191	ug/l	11.7		
(Pb)	207	209	He	0.152	ug/l	27.7		
Pb	208	209	He	0.166	ug/l	3.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5365855.82	0.9	101.2	70	120	
Sc (ISICPMS)	45	No Gas	11104817.61	1.1	93.0	70	120	
Sc (ISICPMS)	45	H2	3004478.15	0.2	88.3	70	120	
Sc (ISICPMS)	45	He	131018.43	0.6	89.8	70	120	
Ge (IS)	74	H2	635066.09	0.2	90.5	70	120	
Ge (IS)	74	He	72742.16	0.7	93.4	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185630.83	1.8	96.2	70	120	
Tb (IS)	159	He	949914.91	0.4	100.9	70	120	
Bi (IS)	209	He	748381.66	0.6	99.2	70	120	

Sample Report

File Name 057SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:00:49

Sample Name **460-300269-G-2-B MS**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	25.355	ug/l	1.2	1800	
B	11	6	No Gas	520.612	ug/l	2.3	1800	
Na	23	45	He	41590.241	ug/l	0.8	450000	
Mg	24	45	He	36534.432	ug/l	0.6	450000	
Al	27	45	He	2530.331	ug/l	0.5	450000	
K	39	45	He	5795.610	ug/l	0.3	450000	
Ca	40	45	H2	48980.270	ug/l	0.4	900000	
Ti	47	45	No Gas	49.508	ug/l	1.2	9000	
V	51	74	He	49.317	ug/l	0.1	4500	
Cr	52	74	He	46.834	ug/l	1.2	18000	
Mn	55	74	He	262.735	ug/l	0.9	18000	
Fe	56	74	H2	2469.388	ug/l	1.7	450000	
Co	59	74	He	25.188	ug/l	0.4	1800	
Ni	60	74	He	66.442	ug/l	1.3	18000	
Cu	63	74	He	50.348	ug/l	0.7	18000	
Zn	66	74	He	260.565	ug/l	0.6	18000	
As	75	74	He	49.590	ug/l	0.8	4500	
Se	78	74	H2	48.162	ug/l	0.6	2700	
Sr	88	115	He	502.068	ug/l	1.0	4500	
Mo	95	115	He	46.828	ug/l	0.8	1800	
Ag	107	115	He	24.548	ug/l	1.0	900	
Cd	111	115	He	25.576	ug/l	2.4	4500	
Sn	118	115	He	59.789	ug/l	1.7	1800	
Sb	121	115	He	26.694	ug/l	1.0	900	
Ba	137	159	He	769.196	ug/l	0.8	18000	
Tl	205	159	He	20.179	ug/l	1.1	900	
(Pb)	206	209	He	25.517	ug/l	3.2		
(Pb)	207	209	He	25.086	ug/l	0.5		
Pb	208	209	He	25.278	ug/l	1.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5374544.92	2.3	101.4	70	120	
Sc (ISICPMS)	45	No Gas	11274653.17	0.4	94.4	70	120	
Sc (ISICPMS)	45	H2	3031821.62	0.5	89.1	70	120	
Sc (ISICPMS)	45	He	131607.71	0.6	90.2	70	120	
Ge (IS)	74	H2	647307.12	0.9	92.2	70	120	
Ge (IS)	74	He	72825.88	0.7	93.5	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186322.72	0.6	96.6	70	120	
Tb (IS)	159	He	950649.62	0.5	101.0	70	120	
Bi (IS)	209	He	753103.30	1.1	99.8	70	120	

Sample Report

File Name 058SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:03:07

Sample Name **MB 460-965318/1-A**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.000	ug/l	724.8	1800	
B	11	6	No Gas	19.602	ug/l	1.9	1800	
Na	23	45	He	34.703	ug/l	6.6	450000	
Mg	24	45	He	3.433	ug/l	28.8	450000	
Al	27	45	He	8.979	ug/l	2.1	450000	
K	39	45	He	4.806	ug/l	229.8	450000	
Ca	40	45	H2	18.887	ug/l	5.7	900000	
Ti	47	45	No Gas	0.018	ug/l	354.9	9000	
V	51	74	He	0.098	ug/l	44.8	4500	
Cr	52	74	He	-0.011	ug/l	N/A	18000	
Mn	55	74	He	0.063	ug/l	69.1	18000	
Fe	56	74	H2	3.802	ug/l	2.1	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	0.117	ug/l	42.2	18000	
Cu	63	74	He	0.650	ug/l	5.2	18000	
Zn	66	74	He	1.115	ug/l	39.6	18000	
As	75	74	He	0.014	ug/l	266.2	4500	
Se	78	74	H2	0.131	ug/l	17.7	2700	
Sr	88	115	He	0.025	ug/l	203.6	4500	
Mo	95	115	He	0.447	ug/l	23.1	1800	
Ag	107	115	He	-0.005	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	8612.5	4500	
Sn	118	115	He	-1.653	ug/l	N/A	1800	
Sb	121	115	He	0.025	ug/l	40.5	900	
Ba	137	159	He	0.109	ug/l	43.6	18000	
Tl	205	159	He	-0.105	ug/l	N/A	900	
(Pb)	206	209	He	0.180	ug/l	6.3		
(Pb)	207	209	He	0.145	ug/l	28.5		
Pb	208	209	He	0.165	ug/l	8.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5296273.85	1.2	99.9	70	120	
Sc (ISICPMS)	45	No Gas	11009659.84	0.6	92.2	70	120	
Sc (ISICPMS)	45	H2	2944118.15	0.7	86.5	70	120	
Sc (ISICPMS)	45	He	127549.00	0.4	87.4	70	120	
Ge (IS)	74	H2	625552.29	0.9	89.1	70	120	
Ge (IS)	74	He	70797.12	0.2	90.9	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	184264.77	1.8	95.5	70	120	
Tb (IS)	159	He	928219.70	1.3	98.6	70	120	
Bi (IS)	209	He	757635.46	0.9	100.4	70	120	

Sample Report

File Name 059SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:05:28

Sample Name **LCS 460-965318/2-A**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	24.080	ug/l	0.5	1800	
B	11	6	No Gas	475.877	ug/l	1.2	1800	
Na	23	45	He	2558.960	ug/l	0.8	450000	
Mg	24	45	He	2483.138	ug/l	0.5	450000	
Al	27	45	He	2471.600	ug/l	0.6	450000	
K	39	45	He	2373.523	ug/l	0.7	450000	
Ca	40	45	H2	2501.058	ug/l	1.7	900000	
Ti	47	45	No Gas	47.223	ug/l	2.0	9000	
V	51	74	He	46.735	ug/l	1.5	4500	
Cr	52	74	He	47.360	ug/l	1.2	18000	
Mn	55	74	He	234.080	ug/l	2.1	18000	
Fe	56	74	H2	2452.572	ug/l	1.0	450000	
Co	59	74	He	23.973	ug/l	2.7	1800	
Ni	60	74	He	49.279	ug/l	1.1	18000	
Cu	63	74	He	51.615	ug/l	2.0	18000	
Zn	66	74	He	238.901	ug/l	0.8	18000	
As	75	74	He	47.310	ug/l	3.9	4500	
Se	78	74	H2	47.039	ug/l	3.2	2700	
Sr	88	115	He	44.965	ug/l	1.2	4500	
Mo	95	115	He	46.582	ug/l	0.6	1800	
Ag	107	115	He	24.338	ug/l	0.3	900	
Cd	111	115	He	23.885	ug/l	1.8	4500	
Sn	118	115	He	47.464	ug/l	1.1	1800	
Sb	121	115	He	25.536	ug/l	1.7	900	
Ba	137	159	He	46.874	ug/l	0.5	18000	
Tl	205	159	He	19.609	ug/l	0.5	900	
(Pb)	206	209	He	24.346	ug/l	1.7		
(Pb)	207	209	He	23.872	ug/l	0.9		
Pb	208	209	He	24.079	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5226734.30	0.9	98.6	70	120	
Sc (ISICPMS)	45	No Gas	11103017.89	0.3	93.0	70	120	
Sc (ISICPMS)	45	H2	2971513.12	1.4	87.4	70	120	
Sc (ISICPMS)	45	He	128426.37	1.0	88.0	70	120	
Ge (IS)	74	H2	636761.92	1.7	90.7	70	120	
Ge (IS)	74	He	71261.69	1.4	91.5	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	184179.45	0.6	95.5	70	120	
Tb (IS)	159	He	947586.24	0.5	100.7	70	120	
Bi (IS)	209	He	761151.26	0.8	100.9	70	120	

Sample Report

File Name 060SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:07:47

Sample Name **460-300375-E-12-A PDS**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	25.020	ug/l	1.1	1800	
B	11	6	No Gas	518.673	ug/l	1.8	1800	
Na	23	45	He	24458.796	ug/l	1.0	450000	
Mg	24	45	He	8338.855	ug/l	1.1	450000	
Al	27	45	He	4788.762	ug/l	4.2	450000	
K	39	45	He	4748.555	ug/l	0.8	450000	
Ca	40	45	H2	17313.168	ug/l	0.2	900000	
Ti	47	45	No Gas	127.086	ug/l	2.9	9000	
V	51	74	He	52.135	ug/l	0.6	4500	
Cr	52	74	He	51.197	ug/l	0.6	18000	
Mn	55	74	He	336.852	ug/l	0.3	18000	
Fe	56	74	H2	5031.706	ug/l	2.0	450000	
Co	59	74	He	25.459	ug/l	1.4	1800	
Ni	60	74	He	52.706	ug/l	1.8	18000	
Cu	63	74	He	59.726	ug/l	0.7	18000	
Zn	66	74	He	270.845	ug/l	1.4	18000	
As	75	74	He	50.083	ug/l	1.0	4500	
Se	78	74	H2	50.255	ug/l	2.3	2700	
Sr	88	115	He	114.637	ug/l	0.8	4500	
Mo	95	115	He	51.145	ug/l	0.7	1800	
Ag	107	115	He	25.230	ug/l	1.3	900	
Cd	111	115	He	25.002	ug/l	3.9	4500	
Sn	118	115	He	50.450	ug/l	2.0	1800	
Sb	121	115	He	25.510	ug/l	1.2	900	
Ba	137	159	He	79.931	ug/l	0.5	18000	
Tl	205	159	He	20.392	ug/l	0.9	900	
(Pb)	206	209	He	32.147	ug/l	0.0		
(Pb)	207	209	He	30.919	ug/l	0.7		
Pb	208	209	He	31.406	ug/l	0.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5134110.79	0.2	96.8	70	120	
Sc (ISICPMS)	45	No Gas	10933256.22	1.2	91.5	70	120	
Sc (ISICPMS)	45	H2	2919132.74	1.1	85.8	70	120	
Sc (ISICPMS)	45	He	125263.57	1.2	85.8	70	120	
Ge (IS)	74	H2	633836.38	0.8	90.3	70	120	
Ge (IS)	74	He	71577.67	0.8	91.9	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181710.05	1.0	94.2	70	120	
Tb (IS)	159	He	938578.74	1.1	99.7	70	120	
Bi (IS)	209	He	751725.52	0.1	99.7	70	120	

Sample Report

File Name 061SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:10:06

Sample Name **460-300375-E-12-C MS**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.088	ug/l	1.5	1800	
B	11	6	No Gas	484.904	ug/l	2.6	1800	
Na	23	45	He	24746.211	ug/l	0.7	450000	
Mg	24	45	He	8338.557	ug/l	1.1	450000	
Al	27	45	He	4316.362	ug/l	0.4	450000	
K	39	45	He	4655.186	ug/l	0.3	450000	
Ca	40	45	H2	17319.629	ug/l	1.3	900000	
Ti	47	45	No Gas	99.984	ug/l	3.9	9000	
V	51	74	He	51.434	ug/l	0.8	4500	
Cr	52	74	He	51.176	ug/l	1.0	18000	
Mn	55	74	He	334.974	ug/l	1.4	18000	
Fe	56	74	H2	4849.521	ug/l	1.5	450000	
Co	59	74	He	25.260	ug/l	0.8	1800	
Ni	60	74	He	53.492	ug/l	0.8	18000	
Cu	63	74	He	59.134	ug/l	1.1	18000	
Zn	66	74	He	266.035	ug/l	0.6	18000	
As	75	74	He	48.845	ug/l	1.7	4500	
Se	78	74	H2	47.434	ug/l	2.0	2700	
Sr	88	115	He	116.409	ug/l	0.8	4500	
Mo	95	115	He	51.358	ug/l	1.4	1800	
Ag	107	115	He	24.885	ug/l	1.2	900	
Cd	111	115	He	24.417	ug/l	2.3	4500	
Sn	118	115	He	47.793	ug/l	0.5	1800	
Sb	121	115	He	25.982	ug/l	1.1	900	
Ba	137	159	He	77.001	ug/l	1.1	18000	
Tl	205	159	He	20.137	ug/l	0.5	900	
(Pb)	206	209	He	31.481	ug/l	0.2		
(Pb)	207	209	He	30.413	ug/l	0.4		
Pb	208	209	He	31.026	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5139609.99	1.6	96.9	70	120	
Sc (ISICPMS)	45	No Gas	11144605.53	1.5	93.3	70	120	
Sc (ISICPMS)	45	H2	2937147.87	0.9	86.3	70	120	
Sc (ISICPMS)	45	He	125628.58	1.0	86.1	70	120	
Ge (IS)	74	H2	638958.96	1.2	91.0	70	120	
Ge (IS)	74	He	71405.71	1.2	91.7	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181292.10	1.3	94.0	70	120	
Tb (IS)	159	He	940281.68	1.0	99.9	70	120	
Bi (IS)	209	He	754563.06	0.9	100.0	70	120	

Sample Report

File Name 062SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:12:25

Sample Name **460-300375-E-12-D MSD**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	24.224	ug/l	1.4	1800	
B	11	6	No Gas	495.168	ug/l	1.5	1800	
Na	23	45	He	23886.825	ug/l	0.4	450000	
Mg	24	45	He	8062.515	ug/l	0.5	450000	
Al	27	45	He	4285.590	ug/l	0.3	450000	
K	39	45	He	4491.063	ug/l	0.9	450000	
Ca	40	45	H2	17036.815	ug/l	0.6	900000	
Ti	47	45	No Gas	106.845	ug/l	5.0	9000	
V	51	74	He	49.921	ug/l	1.6	4500	
Cr	52	74	He	49.387	ug/l	1.1	18000	
Mn	55	74	He	326.348	ug/l	1.0	18000	
Fe	56	74	H2	4826.921	ug/l	0.3	450000	
Co	59	74	He	24.729	ug/l	1.4	1800	
Ni	60	74	He	49.623	ug/l	1.9	18000	
Cu	63	74	He	56.173	ug/l	1.1	18000	
Zn	66	74	He	259.193	ug/l	1.8	18000	
As	75	74	He	48.175	ug/l	2.8	4500	
Se	78	74	H2	48.951	ug/l	1.7	2700	
Sr	88	115	He	113.549	ug/l	1.4	4500	
Mo	95	115	He	49.202	ug/l	0.2	1800	
Ag	107	115	He	24.540	ug/l	1.2	900	
Cd	111	115	He	24.399	ug/l	1.7	4500	
Sn	118	115	He	46.772	ug/l	0.8	1800	
Sb	121	115	He	25.666	ug/l	0.8	900	
Ba	137	159	He	75.035	ug/l	0.7	18000	
Tl	205	159	He	19.543	ug/l	0.7	900	
(Pb)	206	209	He	30.988	ug/l	0.8		
(Pb)	207	209	He	30.135	ug/l	0.3		
Pb	208	209	He	30.517	ug/l	0.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5187698.85	1.2	97.8	70	120	
Sc (ISICPMS)	45	No Gas	10965799.00	1.3	91.8	70	120	
Sc (ISICPMS)	45	H2	2906956.35	0.1	85.5	70	120	
Sc (ISICPMS)	45	He	126333.24	0.3	86.6	70	120	
Ge (IS)	74	H2	633356.63	0.3	90.2	70	120	
Ge (IS)	74	He	71917.03	1.1	92.3	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181544.88	0.7	94.1	70	120	
Tb (IS)	159	He	944938.86	0.4	100.4	70	120	
Bi (IS)	209	He	748945.56	0.9	99.3	70	120	

Sample Report

File Name 063SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:14:45

Sample Name **460-300375-E-12-B DU**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.101	ug/l	12.9	1800	
B	11	6	No Gas	41.914	ug/l	2.6	1800	
Na	23	45	He	21663.146	ug/l	0.5	450000	
Mg	24	45	He	5668.124	ug/l	0.6	450000	
Al	27	45	He	1518.821	ug/l	1.3	450000	
K	39	45	He	2149.511	ug/l	0.9	450000	
Ca	40	45	H2	15148.017	ug/l	0.9	900000	
Ti	47	45	No Gas	52.335	ug/l	5.6	9000	
V	51	74	He	3.916	ug/l	8.2	4500	
Cr	52	74	He	3.308	ug/l	6.8	18000	
Mn	55	74	He	100.122	ug/l	1.5	18000	
Fe	56	74	H2	2333.458	ug/l	1.8	450000	
Co	59	74	He	1.070	ug/l	5.6	1800	
Ni	60	74	He	3.438	ug/l	2.5	18000	
Cu	63	74	He	10.528	ug/l	0.4	18000	
Zn	66	74	He	28.362	ug/l	5.3	18000	
As	75	74	He	1.224	ug/l	5.5	4500	
Se	78	74	H2	0.376	ug/l	20.8	2700	
Sr	88	115	He	68.679	ug/l	1.2	4500	
Mo	95	115	He	2.355	ug/l	6.7	1800	
Ag	107	115	He	0.022	ug/l	15.1	900	
Cd	111	115	He	0.104	ug/l	38.5	4500	
Sn	118	115	He	-1.412	ug/l	N/A	1800	
Sb	121	115	He	0.376	ug/l	7.5	900	
Ba	137	159	He	29.782	ug/l	1.7	18000	
Tl	205	159	He	-0.074	ug/l	N/A	900	
(Pb)	206	209	He	6.372	ug/l	1.3		
(Pb)	207	209	He	6.077	ug/l	2.7		
Pb	208	209	He	6.217	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5154692.14	1.9	97.2	70	120	
Sc (ISICPMS)	45	No Gas	11002691.50	1.3	92.1	70	120	
Sc (ISICPMS)	45	H2	2888633.12	0.6	84.9	70	120	
Sc (ISICPMS)	45	He	126069.03	0.3	86.4	70	120	
Ge (IS)	74	H2	628897.37	0.5	89.6	70	120	
Ge (IS)	74	He	70870.89	0.7	91.0	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	180535.84	0.7	93.6	70	120	
Tb (IS)	159	He	934071.83	1.3	99.2	70	120	
Bi (IS)	209	He	749370.37	1.1	99.3	70	120	

Sample Report

File Name 064SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:17:04

Sample Name **460-300375-E-12-A**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.089	ug/l	13.3	1800	
B	11	6	No Gas	38.898	ug/l	1.3	1800	
Na	23	45	He	21920.758	ug/l	0.2	450000	
Mg	24	45	He	5719.246	ug/l	0.4	450000	
Al	27	45	He	1396.477	ug/l	2.4	450000	
K	39	45	He	2116.342	ug/l	0.9	450000	
Ca	40	45	H2	15050.657	ug/l	1.0	900000	
Ti	47	45	No Gas	53.757	ug/l	12.0	9000	
V	51	74	He	3.678	ug/l	6.0	4500	
Cr	52	74	He	3.293	ug/l	10.1	18000	
Mn	55	74	He	99.920	ug/l	0.8	18000	
Fe	56	74	H2	2327.878	ug/l	0.6	450000	
Co	59	74	He	1.038	ug/l	5.2	1800	
Ni	60	74	He	3.340	ug/l	2.3	18000	
Cu	63	74	He	10.492	ug/l	0.1	18000	
Zn	66	74	He	27.652	ug/l	4.0	18000	
As	75	74	He	1.102	ug/l	14.5	4500	
Se	78	74	H2	0.353	ug/l	56.4	2700	
Sr	88	115	He	67.858	ug/l	0.2	4500	
Mo	95	115	He	2.228	ug/l	4.7	1800	
Ag	107	115	He	0.013	ug/l	62.6	900	
Cd	111	115	He	0.113	ug/l	61.3	4500	
Sn	118	115	He	-1.626	ug/l	N/A	1800	
Sb	121	115	He	0.360	ug/l	20.3	900	
Ba	137	159	He	28.995	ug/l	2.3	18000	
Tl	205	159	He	-0.089	ug/l	N/A	900	
(Pb)	206	209	He	6.349	ug/l	1.7		
(Pb)	207	209	He	6.023	ug/l	0.8		
Pb	208	209	He	6.178	ug/l	0.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5133635.41	1.1	96.8	70	120	
Sc (ISICPMS)	45	No Gas	10962578.45	0.9	91.8	70	120	
Sc (ISICPMS)	45	H2	2883937.66	1.2	84.8	70	120	
Sc (ISICPMS)	45	He	124409.96	0.5	85.3	70	120	
Ge (IS)	74	H2	625409.07	1.0	89.1	70	120	
Ge (IS)	74	He	70360.87	0.5	90.3	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	179588.08	0.3	93.1	70	120	
Tb (IS)	159	He	936215.44	0.7	99.5	70	120	
Bi (IS)	209	He	750118.36	0.4	99.4	70	120	

Sample Report

File Name 065SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:19:23

Sample Name **460-300375-E-12-A SD@5**

Comment ---

Dilution **1.0000**

Vial # 2312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	10.6	1800	
B	11	6	No Gas	10.703	ug/l	1.1	1800	
Na	23	45	He	4395.068	ug/l	1.1	450000	
Mg	24	45	He	1156.757	ug/l	1.2	450000	
Al	27	45	He	318.520	ug/l	0.4	450000	
K	39	45	He	448.549	ug/l	2.3	450000	
Ca	40	45	H2	3091.092	ug/l	1.1	900000	
Ti	47	45	No Gas	11.785	ug/l	14.8	9000	
V	51	74	He	0.841	ug/l	9.7	4500	
Cr	52	74	He	0.521	ug/l	8.1	18000	
Mn	55	74	He	19.804	ug/l	1.6	18000	
Fe	56	74	H2	490.622	ug/l	0.8	450000	
Co	59	74	He	0.175	ug/l	8.0	1800	
Ni	60	74	He	0.578	ug/l	19.8	18000	
Cu	63	74	He	2.082	ug/l	3.1	18000	
Zn	66	74	He	5.811	ug/l	9.1	18000	
As	75	74	He	0.241	ug/l	29.4	4500	
Se	78	74	H2	0.132	ug/l	36.3	2700	
Sr	88	115	He	13.674	ug/l	4.4	4500	
Mo	95	115	He	0.515	ug/l	7.3	1800	
Ag	107	115	He	0.004	ug/l	201.3	900	
Cd	111	115	He	0.017	ug/l	43.0	4500	
Sn	118	115	He	-1.805	ug/l	N/A	1800	
Sb	121	115	He	0.046	ug/l	57.6	900	
Ba	137	159	He	6.915	ug/l	24.7	18000	
Tl	205	159	He	-0.109	ug/l	N/A	900	
(Pb)	206	209	He	1.323	ug/l	7.6		
(Pb)	207	209	He	1.227	ug/l	1.1		
Pb	208	209	He	1.271	ug/l	2.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5161283.85	0.6	97.3	70	120	
Sc (ISICPMS)	45	No Gas	10888509.01	1.6	91.2	70	120	
Sc (ISICPMS)	45	H2	2860948.85	1.1	84.1	70	120	
Sc (ISICPMS)	45	He	125941.29	1.0	86.3	70	120	
Ge (IS)	74	H2	622420.88	1.2	88.7	70	120	
Ge (IS)	74	He	71041.72	1.3	91.2	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	182422.59	0.8	94.6	70	120	
Tb (IS)	159	He	931773.19	0.6	99.0	70	120	
Bi (IS)	209	He	758193.48	0.7	100.5	70	120	

Continuing Calibration Verification (CCV)

File Name 066_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:21:43

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	99.271	ug/l	1.5	100	90	110	
B	11	6	No Gas	238.949	ug/l	1.2	250	225	275	
Na	23	45	He	26283.317	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25885.595	ug/l	0.4	25000	22500	27500	
Al	27	45	He	25518.592	ug/l	0.6	25000	22500	27500	
K	39	45	He	24624.716	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	25771.532	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	97.216	ug/l	2.1	100	90	110	
V	51	74	He	97.528	ug/l	1.5	100	90	110	
Cr	52	74	He	97.805	ug/l	0.9	100	90	110	
Mn	55	74	He	97.505	ug/l	2.4	100	90	110	
Fe	56	74	H2	25720.816	ug/l	1.4	25000	22500	27500	
Co	59	74	He	100.287	ug/l	1.6	100	90	110	
Ni	60	74	He	100.927	ug/l	1.4	100	90	110	
Cu	63	74	He	101.459	ug/l	1.4	100	90	110	
Zn	66	74	He	250.672	ug/l	2.4	250	225	275	
As	75	74	He	97.991	ug/l	1.6	100	90	110	
Se	78	74	H2	104.320	ug/l	0.7	100	90	110	
Sr	88	115	He	94.182	ug/l	0.7	100	90	110	
Mo	95	115	He	99.498	ug/l	1.1	100	90	110	
Ag	107	115	He	50.540	ug/l	0.9	50	45	55	
Cd	111	115	He	99.787	ug/l	1.8	100	90	110	
Sn	118	115	He	99.659	ug/l	0.1	100	90	110	
Sb	121	115	He	101.931	ug/l	1.5	100	90	110	
Ba	137	159	He	95.330	ug/l	1.1	100	90	110	
Tl	205	159	He	102.039	ug/l	0.5	100	90	110	
(Pb)	206	209	He	101.425	ug/l	1.6				
(Pb)	207	209	He	99.804	ug/l	0.4				
Pb	208	209	He	100.471	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5087646.59	1.3	96.0	70	120	
Sc (ISICPMS)	45	No Gas	10907269.98	1.4	91.3	70	120	
Sc (ISICPMS)	45	H2	2879866.69	0.4	84.7	70	120	
Sc (ISICPMS)	45	He	125858.48	0.6	86.3	70	120	
Ge (IS)	74	H2	616540.27	0.3	87.8	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	70466.75	0.8	90.5	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	181463.28	1.0	94.1	70	120	
Tb (IS)	159	He	936201.82	0.1	99.5	70	120	
Bi (IS)	209	He	742926.52	0.3	98.5	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 067_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:24:02

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.011	ug/l	0.4	0.8	-0.8	0.8	
B	11	6	No Gas	4.129	ug/l	6.2	80	-80	80	
Na	23	45	He	8.027	ug/l	18.6	500	-500	500	
Mg	24	45	He	1.288	ug/l	42.1	200	-200	200	
Al	27	45	He	2.161	ug/l	89.7	40	-40	40	
K	39	45	He	2.873	ug/l	226.1	200	-200	200	
Ca	40	45	H2	3.250	ug/l	9.0	500	-500	500	
Ti	47	45	No Gas	0.065	ug/l	38.6	4	-4	4	
V	51	74	He	-0.021	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.139	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.032	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.180	ug/l	0.9	120	-120	120	
Co	59	74	He	-0.012	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.022	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.020	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.353	ug/l	55.4	16	-16	16	
As	75	74	He	0.073	ug/l	95.6	2	-2	2	
Se	78	74	H2	0.166	ug/l	30.9	2.5	-2.5	2.5	
Sr	88	115	He	-0.019	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.177	ug/l	27.2	4	-4	4	
Ag	107	115	He	-0.003	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	6688.6	2	-2	2	
Sn	118	115	He	-1.975	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.049	ug/l	85.4	2	-2	2	
Ba	137	159	He	-0.037	ug/l	N/A	4	-4	4	
Tl	205	159	He	-0.034	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	0.011	ug/l	58.9				
(Pb)	207	209	He	0.000	ug/l	N/A				
Pb	208	209	He	0.008	ug/l	63.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5155790.72	1.7	97.2	70	120	
Sc (ISICPMS)	45	No Gas	11101299.28	0.2	92.9	70	120	
Sc (ISICPMS)	45	H2	2955163.15	0.3	86.9	70	120	
Sc (ISICPMS)	45	He	128465.54	1.3	88.0	70	120	
Ge (IS)	74	H2	615753.84	0.7	87.7	70	120	
Ge (IS)	74	He	69453.19	0.1	89.2	70	120	
Kr	83	He	13.35	43.3	400.0			
In-1	115	He	184471.97	0.9	95.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	939271.43	1.6	99.8	70	120	
Bi (IS)	209	He	760786.73	1.4	100.9	70	120	

Sample Report

File Name 068SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:26:23

Sample Name **460-300375-E-13-A**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.170	ug/l	13.5	1800	
B	11	6	No Gas	46.024	ug/l	1.6	1800	
Na	23	45	He	18167.035	ug/l	0.3	450000	
Mg	24	45	He	5005.608	ug/l	0.6	450000	
Al	27	45	He	2665.847	ug/l	1.0	450000	
K	39	45	He	2008.611	ug/l	0.9	450000	
Ca	40	45	H2	12433.052	ug/l	0.2	900000	
Ti	47	45	No Gas	95.414	ug/l	2.0	9000	
V	51	74	He	6.160	ug/l	2.7	4500	
Cr	52	74	He	6.635	ug/l	2.7	18000	
Mn	55	74	He	182.375	ug/l	1.4	18000	
Fe	56	74	H2	4562.410	ug/l	1.2	450000	
Co	59	74	He	1.962	ug/l	5.4	1800	
Ni	60	74	He	6.054	ug/l	1.8	18000	
Cu	63	74	He	9.667	ug/l	1.6	18000	
Zn	66	74	He	37.037	ug/l	1.0	18000	
As	75	74	He	1.977	ug/l	20.2	4500	
Se	78	74	H2	0.291	ug/l	31.2	2700	
Sr	88	115	He	56.082	ug/l	1.7	4500	
Mo	95	115	He	0.557	ug/l	4.2	1800	
Ag	107	115	He	0.048	ug/l	17.1	900	
Cd	111	115	He	0.107	ug/l	20.6	4500	
Sn	118	115	He	-1.718	ug/l	N/A	1800	
Sb	121	115	He	0.235	ug/l	4.0	900	
Ba	137	159	He	38.168	ug/l	1.6	18000	
Tl	205	159	He	-0.069	ug/l	N/A	900	
(Pb)	206	209	He	7.780	ug/l	1.0		
(Pb)	207	209	He	7.442	ug/l	1.5		
Pb	208	209	He	7.629	ug/l	1.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5121475.41	0.4	96.6	70	120	
Sc (ISICPMS)	45	No Gas	10977313.86	0.6	91.9	70	120	
Sc (ISICPMS)	45	H2	2930065.44	0.4	86.1	70	120	
Sc (ISICPMS)	45	He	126430.82	0.7	86.6	70	120	
Ge (IS)	74	H2	629485.83	0.4	89.7	70	120	
Ge (IS)	74	He	71241.58	0.5	91.5	70	120	
Kr	83	He	10.01	100.0	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	183145.04	0.8	94.9	70	120	
Tb (IS)	159	He	935246.11	1.0	99.4	70	120	
Bi (IS)	209	He	754513.61	1.2	100.0	70	120	

Sample Report

File Name 069SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:28:42

Sample Name **460-300375-E-14-A**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.220	ug/l	11.1	1800	
B	11	6	No Gas	48.798	ug/l	0.9	1800	
Na	23	45	He	19059.639	ug/l	0.8	450000	
Mg	24	45	He	5547.338	ug/l	0.9	450000	
Al	27	45	He	3633.812	ug/l	1.1	450000	
K	39	45	He	2257.068	ug/l	1.5	450000	
Ca	40	45	H2	13077.424	ug/l	0.1	900000	
Ti	47	45	No Gas	127.328	ug/l	2.2	9000	
V	51	74	He	8.447	ug/l	1.4	4500	
Cr	52	74	He	9.321	ug/l	1.8	18000	
Mn	55	74	He	264.126	ug/l	0.9	18000	
Fe	56	74	H2	6301.697	ug/l	1.0	450000	
Co	59	74	He	2.838	ug/l	2.4	1800	
Ni	60	74	He	7.123	ug/l	2.6	18000	
Cu	63	74	He	11.371	ug/l	1.3	18000	
Zn	66	74	He	47.574	ug/l	0.5	18000	
As	75	74	He	2.644	ug/l	12.8	4500	
Se	78	74	H2	0.385	ug/l	4.1	2700	
Sr	88	115	He	61.614	ug/l	1.3	4500	
Mo	95	115	He	0.534	ug/l	3.2	1800	
Ag	107	115	He	0.065	ug/l	10.2	900	
Cd	111	115	He	0.130	ug/l	39.0	4500	
Sn	118	115	He	-1.427	ug/l	N/A	1800	
Sb	121	115	He	0.237	ug/l	9.0	900	
Ba	137	159	He	45.642	ug/l	0.6	18000	
Tl	205	159	He	-0.065	ug/l	N/A	900	
(Pb)	206	209	He	10.515	ug/l	2.6		
(Pb)	207	209	He	9.717	ug/l	2.1		
Pb	208	209	He	10.050	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5151979.82	0.3	97.2	70	120	
Sc (ISICPMS)	45	No Gas	11310734.00	1.6	94.7	70	120	
Sc (ISICPMS)	45	H2	2901774.64	0.9	85.3	70	120	
Sc (ISICPMS)	45	He	125895.24	0.9	86.3	70	120	
Ge (IS)	74	H2	624099.87	1.2	88.9	70	120	
Ge (IS)	74	He	70752.57	1.3	90.8	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	179542.74	1.1	93.1	70	120	
Tb (IS)	159	He	930864.75	0.3	98.9	70	120	
Bi (IS)	209	He	747151.68	1.6	99.1	70	120	

Sample Report

File Name 070SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:31:01

Sample Name **460-300375-E-15-A**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	1.174	ug/l	3.6	1800	
B	11	6	No Gas	60.547	ug/l	2.0	1800	
Na	23	45	He	23171.339	ug/l	0.4	450000	
Mg	24	45	He	11407.246	ug/l	0.7	450000	
Al	27	45	He	17370.213	ug/l	0.4	450000	
K	39	45	He	4705.427	ug/l	0.7	450000	
Ca	40	45	H2	18001.850	ug/l	1.9	900000	
Ti	47	45	No Gas	607.495	ug/l	1.3	9000	
V	51	74	He	42.209	ug/l	2.0	4500	
Cr	52	74	He	48.703	ug/l	1.1	18000	
Mn	55	74	He	1738.112	ug/l	0.7	18000	
Fe	56	74	H2	33636.287	ug/l	1.2	450000	
Co	59	74	He	16.751	ug/l	0.4	1800	
Ni	60	74	He	31.318	ug/l	2.2	18000	
Cu	63	74	He	42.455	ug/l	0.7	18000	
Zn	66	74	He	243.197	ug/l	2.0	18000	
As	75	74	He	13.603	ug/l	6.1	4500	
Se	78	74	H2	1.015	ug/l	15.7	2700	
Sr	88	115	He	95.666	ug/l	0.9	4500	
Mo	95	115	He	1.107	ug/l	8.5	1800	
Ag	107	115	He	0.315	ug/l	6.2	900	
Cd	111	115	He	0.791	ug/l	12.8	4500	
Sn	118	115	He	0.476	ug/l	58.0	1800	
Sb	121	115	He	0.668	ug/l	5.3	900	
Ba	137	159	He	179.431	ug/l	1.3	18000	
Tl	205	159	He	0.099	ug/l	16.3	900	
(Pb)	206	209	He	58.831	ug/l	0.6		
(Pb)	207	209	He	55.841	ug/l	0.9		
Pb	208	209	He	57.187	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5127541.38	1.3	96.7	70	120	
Sc (ISICPMS)	45	No Gas	11213797.06	0.8	93.9	70	120	
Sc (ISICPMS)	45	H2	2931500.72	1.4	86.2	70	120	
Sc (ISICPMS)	45	He	125630.98	0.6	86.1	70	120	
Ge (IS)	74	H2	621884.07	1.2	88.6	70	120	
Ge (IS)	74	He	69789.11	0.9	89.6	70	120	
Kr	83	He	43.38	70.5	1300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	180102.02	0.7	93.4	70	120	
Tb (IS)	159	He	941800.84	1.7	100.1	70	120	
Bi (IS)	209	He	750451.81	1.4	99.5	70	120	

Sample Report

File Name 071SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:33:21

Sample Name **460-300375-E-16-A**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.001	ug/l	N/A	1800	
B	11	6	No Gas	17.094	ug/l	2.3	1800	
Na	23	45	He	35.864	ug/l	1.9	450000	
Mg	24	45	He	1.468	ug/l	55.1	450000	
Al	27	45	He	10.317	ug/l	23.2	450000	
K	39	45	He	6.857	ug/l	101.9	450000	
Ca	40	45	H2	14.995	ug/l	2.5	900000	
Ti	47	45	No Gas	0.236	ug/l	14.6	9000	
V	51	74	He	0.023	ug/l	299.1	4500	
Cr	52	74	He	-0.200	ug/l	N/A	18000	
Mn	55	74	He	0.043	ug/l	128.3	18000	
Fe	56	74	H2	8.244	ug/l	0.6	450000	
Co	59	74	He	-0.010	ug/l	N/A	1800	
Ni	60	74	He	0.133	ug/l	49.3	18000	
Cu	63	74	He	0.508	ug/l	8.8	18000	
Zn	66	74	He	1.558	ug/l	3.7	18000	
As	75	74	He	0.075	ug/l	103.6	4500	
Se	78	74	H2	0.074	ug/l	40.3	2700	
Sr	88	115	He	-0.017	ug/l	N/A	4500	
Mo	95	115	He	0.088	ug/l	16.5	1800	
Ag	107	115	He	0.002	ug/l	41.8	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-1.953	ug/l	N/A	1800	
Sb	121	115	He	0.022	ug/l	40.6	900	
Ba	137	159	He	0.038	ug/l	51.5	18000	
Tl	205	159	He	-0.110	ug/l	N/A	900	
(Pb)	206	209	He	0.016	ug/l	88.1		
(Pb)	207	209	He	0.006	ug/l	164.9		
Pb	208	209	He	0.012	ug/l	18.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5162307.53	2.2	97.4	70	120	
Sc (ISICPMS)	45	No Gas	10930090.25	1.0	91.5	70	120	
Sc (ISICPMS)	45	H2	2868361.48	0.7	84.3	70	120	
Sc (ISICPMS)	45	He	124706.56	0.4	85.5	70	120	
Ge (IS)	74	H2	615083.02	0.5	87.6	70	120	
Ge (IS)	74	He	68850.36	1.1	88.4	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181802.48	0.7	94.3	70	120	
Tb (IS)	159	He	932358.61	1.4	99.0	70	120	
Bi (IS)	209	He	754850.66	0.6	100.1	70	120	

Sample Report

File Name 072SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:35:42

Sample Name **460-300375-E-17-A**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.035	ug/l	9.6	1800	
B	11	6	No Gas	40.084	ug/l	0.6	1800	
Na	23	45	He	54343.129	ug/l	0.9	450000	
Mg	24	45	He	7883.848	ug/l	0.5	450000	
Al	27	45	He	543.116	ug/l	2.3	450000	
K	39	45	He	2799.627	ug/l	0.4	450000	
Ca	40	45	H2	17989.864	ug/l	1.3	900000	
Ti	47	45	No Gas	21.729	ug/l	4.5	9000	
V	51	74	He	2.024	ug/l	6.0	4500	
Cr	52	74	He	1.252	ug/l	8.6	18000	
Mn	55	74	He	125.647	ug/l	1.3	18000	
Fe	56	74	H2	2752.898	ug/l	2.7	450000	
Co	59	74	He	0.688	ug/l	7.1	1800	
Ni	60	74	He	2.706	ug/l	6.9	18000	
Cu	63	74	He	3.512	ug/l	4.2	18000	
Zn	66	74	He	10.357	ug/l	5.3	18000	
As	75	74	He	1.333	ug/l	24.2	4500	
Se	78	74	H2	0.198	ug/l	30.3	2700	
Sr	88	115	He	92.205	ug/l	0.7	4500	
Mo	95	115	He	0.819	ug/l	5.4	1800	
Ag	107	115	He	0.002	ug/l	208.2	900	
Cd	111	115	He	0.013	ug/l	55.3	4500	
Sn	118	115	He	-1.943	ug/l	N/A	1800	
Sb	121	115	He	0.325	ug/l	21.2	900	
Ba	137	159	He	29.174	ug/l	1.5	18000	
Tl	205	159	He	-0.106	ug/l	N/A	900	
(Pb)	206	209	He	3.094	ug/l	0.7		
(Pb)	207	209	He	3.028	ug/l	2.4		
Pb	208	209	He	3.075	ug/l	2.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5069293.33	0.6	95.6	70	120	
Sc (ISICPMS)	45	No Gas	10897080.95	0.7	91.2	70	120	
Sc (ISICPMS)	45	H2	2867671.52	1.2	84.3	70	120	
Sc (ISICPMS)	45	He	123734.38	0.4	84.8	70	120	
Ge (IS)	74	H2	619662.56	1.0	88.3	70	120	
Ge (IS)	74	He	70427.64	0.6	90.4	70	120	
Kr	83	He	10.01	100.0	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	177295.69	0.9	91.9	70	120	
Tb (IS)	159	He	923382.80	0.8	98.1	70	120	
Bi (IS)	209	He	740103.76	0.7	98.1	70	120	

Sample Report

File Name 073SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:38:00

Sample Name **460-300025-C-7-A**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.001	ug/l	N/A	1800	
B	11	6	No Gas	16.960	ug/l	1.8	1800	
Na	23	45	He	404.910	ug/l	1.7	450000	
Mg	24	45	He	7.978	ug/l	9.6	450000	
Al	27	45	He	13.271	ug/l	19.0	450000	
K	39	45	He	11.020	ug/l	109.5	450000	
Ca	40	45	H2	69.423	ug/l	0.5	900000	
Ti	47	45	No Gas	0.114	ug/l	32.1	9000	
V	51	74	He	0.083	ug/l	112.8	4500	
Cr	52	74	He	-0.142	ug/l	N/A	18000	
Mn	55	74	He	0.116	ug/l	8.8	18000	
Fe	56	74	H2	25.167	ug/l	1.0	450000	
Co	59	74	He	-0.006	ug/l	N/A	1800	
Ni	60	74	He	0.452	ug/l	21.2	18000	
Cu	63	74	He	1.079	ug/l	4.3	18000	
Zn	66	74	He	2.191	ug/l	5.6	18000	
As	75	74	He	0.038	ug/l	304.1	4500	
Se	78	74	H2	0.015	ug/l	205.3	2700	
Sr	88	115	He	0.178	ug/l	11.8	4500	
Mo	95	115	He	0.089	ug/l	48.4	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	3832.2	4500	
Sn	118	115	He	-1.259	ug/l	N/A	1800	
Sb	121	115	He	0.021	ug/l	108.5	900	
Ba	137	159	He	0.309	ug/l	34.0	18000	
Tl	205	159	He	-0.112	ug/l	N/A	900	
(Pb)	206	209	He	0.002	ug/l	487.3		
(Pb)	207	209	He	0.003	ug/l	557.0		
Pb	208	209	He	0.012	ug/l	54.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5098187.98	1.1	96.2	70	120	
Sc (ISICPMS)	45	No Gas	10828106.44	1.7	90.7	70	120	
Sc (ISICPMS)	45	H2	2891006.00	0.6	85.0	70	120	
Sc (ISICPMS)	45	He	124816.48	0.6	85.5	70	120	
Ge (IS)	74	H2	620648.49	1.2	88.4	70	120	
Ge (IS)	74	He	69865.14	0.4	89.7	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181465.73	0.6	94.1	70	120	
Tb (IS)	159	He	925069.30	1.5	98.3	70	120	
Bi (IS)	209	He	751061.65	0.4	99.6	70	120	

Sample Report

File Name 074SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:40:20

Sample Name **460-300315-E-1-A**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.250	ug/l	2.9	1800	
B	11	6	No Gas	43.958	ug/l	0.8	1800	
Na	23	45	He	434296.661	ug/l	1.2	450000	
Mg	24	45	He	2594.239	ug/l	0.7	450000	
Al	27	45	He	725.304	ug/l	0.9	450000	
K	39	45	He	2023.860	ug/l	1.1	450000	
Ca	40	45	H2	10221.161	ug/l	0.9	900000	
Ti	47	45	No Gas	1.989	ug/l	38.9	9000	
V	51	74	He	0.290	ug/l	16.0	4500	
Cr	52	74	He	0.161	ug/l	89.1	18000	
Mn	55	74	He	43.061	ug/l	0.9	18000	
Fe	56	74	H2	82.116	ug/l	1.5	450000	
Co	59	74	He	2.434	ug/l	1.2	1800	
Ni	60	74	He	3.692	ug/l	2.2	18000	
Cu	63	74	He	11.347	ug/l	1.6	18000	
Zn	66	74	He	118.870	ug/l	1.7	18000	
As	75	74	He	2.902	ug/l	7.0	4500	
Se	78	74	H2	0.504	ug/l	4.6	2700	
Sr	88	115	He	79.694	ug/l	0.7	4500	
Mo	95	115	He	0.308	ug/l	18.8	1800	
Ag	107	115	He	0.001	ug/l	183.4	900	
Cd	111	115	He	0.427	ug/l	18.9	4500	
Sn	118	115	He	-1.999	ug/l	N/A	1800	
Sb	121	115	He	0.332	ug/l	20.9	900	
Ba	137	159	He	58.615	ug/l	2.0	18000	
Tl	205	159	He	-0.095	ug/l	N/A	900	
(Pb)	206	209	He	0.810	ug/l	4.4		
(Pb)	207	209	He	0.837	ug/l	2.0		
Pb	208	209	He	0.818	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4868658.19	0.6	91.8	70	120	
Sc (ISICPMS)	45	No Gas	10939250.81	0.3	91.6	70	120	
Sc (ISICPMS)	45	H2	2870965.10	1.3	84.4	70	120	
Sc (ISICPMS)	45	He	125236.44	0.6	85.8	70	120	
Ge (IS)	74	H2	613760.18	0.7	87.4	70	120	
Ge (IS)	74	He	70128.42	0.2	90.0	70	120	
Kr	83	He	56.72	71.3	1700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	172251.01	0.6	89.3	70	120	
Tb (IS)	159	He	918245.99	0.6	97.5	70	120	
Bi (IS)	209	He	696768.59	0.8	92.4	70	120	

Sample Report

File Name 075SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:42:39

Sample Name **460-300315-E-2-A**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.920	ug/l	2.8	1800	
B	11	6	No Gas	77.542	ug/l	0.4	1800	
Na	23	45	He	434600.844	ug/l	0.6	450000	
Mg	24	45	He	3123.564	ug/l	0.7	450000	
Al	27	45	He	4006.249	ug/l	1.2	450000	
K	39	45	He	2112.832	ug/l	1.0	450000	
Ca	40	45	H2	15609.598	ug/l	1.4	900000	
Ti	47	45	No Gas	4.748	ug/l	4.6	9000	
V	51	74	He	0.424	ug/l	13.3	4500	
Cr	52	74	He	6.126	ug/l	2.4	18000	
Mn	55	74	He	98.035	ug/l	1.3	18000	
Fe	56	74	H2	502.153	ug/l	1.7	450000	
Co	59	74	He	7.056	ug/l	1.4	1800	
Ni	60	74	He	6.955	ug/l	4.7	18000	
Cu	63	74	He	31.434	ug/l	1.0	18000	
Zn	66	74	He	78.943	ug/l	3.1	18000	
As	75	74	He	12.608	ug/l	3.5	4500	
Se	78	74	H2	2.430	ug/l	2.1	2700	
Sr	88	115	He	69.809	ug/l	1.1	4500	
Mo	95	115	He	0.254	ug/l	18.5	1800	
Ag	107	115	He	0.042	ug/l	7.5	900	
Cd	111	115	He	0.410	ug/l	14.5	4500	
Sn	118	115	He	-2.043	ug/l	N/A	1800	
Sb	121	115	He	0.228	ug/l	15.5	900	
Ba	137	159	He	59.702	ug/l	1.4	18000	
Tl	205	159	He	-0.073	ug/l	N/A	900	
(Pb)	206	209	He	1.571	ug/l	2.8		
(Pb)	207	209	He	1.538	ug/l	2.7		
Pb	208	209	He	1.558	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4891519.37	0.7	92.3	70	120	
Sc (ISICPMS)	45	No Gas	10854586.64	0.6	90.9	70	120	
Sc (ISICPMS)	45	H2	2904570.58	0.9	85.4	70	120	
Sc (ISICPMS)	45	He	125763.01	0.3	86.2	70	120	
Ge (IS)	74	H2	623520.39	0.7	88.8	70	120	
Ge (IS)	74	He	70915.62	1.0	91.1	70	120	
Kr	83	He	403.75	7.6	12100.4			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	175516.84	0.8	91.0	70	120	
Tb (IS)	159	He	995303.14	0.1	105.7	70	120	
Bi (IS)	209	He	695650.09	0.9	92.2	70	120	

Sample Report

File Name 076SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:44:58

Sample Name **460-300315-E-3-A**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.150	ug/l	13.1	1800	
B	11	6	No Gas	76.270	ug/l	1.1	1800	
Na	23	45	He	689373.443	ug/l	0.8	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	3798.258	ug/l	0.2	450000	
Al	27	45	He	293.264	ug/l	4.8	450000	
K	39	45	He	5185.320	ug/l	0.3	450000	
Ca	40	45	H2	27397.365	ug/l	2.1	900000	
Ti	47	45	No Gas	0.550	ug/l	9.5	9000	
V	51	74	He	-0.030	ug/l	N/A	4500	
Cr	52	74	He	0.535	ug/l	21.0	18000	
Mn	55	74	He	679.970	ug/l	0.9	18000	
Fe	56	74	H2	24361.229	ug/l	2.7	450000	
Co	59	74	He	2.028	ug/l	2.4	1800	
Ni	60	74	He	1.443	ug/l	18.4	18000	
Cu	63	74	He	4.052	ug/l	3.8	18000	
Zn	66	74	He	143.430	ug/l	1.9	18000	
As	75	74	He	3.316	ug/l	12.1	4500	
Se	78	74	H2	0.853	ug/l	15.7	2700	
Sr	88	115	He	206.323	ug/l	0.3	4500	
Mo	95	115	He	0.194	ug/l	19.4	1800	
Ag	107	115	He	0.003	ug/l	182.7	900	
Cd	111	115	He	0.121	ug/l	57.8	4500	
Sn	118	115	He	-2.161	ug/l	N/A	1800	
Sb	121	115	He	0.124	ug/l	44.0	900	
Ba	137	159	He	98.092	ug/l	0.8	18000	
Tl	205	159	He	-0.032	ug/l	N/A	900	
(Pb)	206	209	He	1.580	ug/l	1.7		
(Pb)	207	209	He	1.458	ug/l	4.5		
Pb	208	209	He	1.527	ug/l	1.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4746176.81	0.6	89.5	70	120	
Sc (ISICPMS)	45	No Gas	10698599.91	0.8	89.6	70	120	
Sc (ISICPMS)	45	H2	2858526.14	0.5	84.0	70	120	
Sc (ISICPMS)	45	He	124247.66	0.4	85.1	70	120	
Ge (IS)	74	H2	610455.68	0.5	87.0	70	120	
Ge (IS)	74	He	69805.98	0.6	89.6	70	120	
Kr	83	He	103.44	11.2	3100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	173497.52	1.0	89.9	70	120	
Tb (IS)	159	He	920015.15	0.3	97.7	70	120	
Bi (IS)	209	He	684891.73	0.7	90.8	70	120	

Sample Report

File Name 077SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:47:16

Sample Name **460-300315-E-4-A**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.000	ug/l	5914.5	1800	
B	11	6	No Gas	62.907	ug/l	3.3	1800	
Na	23	45	He	538770.954	ug/l	0.5	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	4278.550	ug/l	0.3	450000	
Al	27	45	He	39.503	ug/l	17.9	450000	
K	39	45	He	2734.179	ug/l	0.3	450000	
Ca	40	45	H2	21701.644	ug/l	1.0	900000	
Ti	47	45	No Gas	0.764	ug/l	22.3	9000	
V	51	74	He	0.001	ug/l	1304.3	4500	
Cr	52	74	He	1.037	ug/l	18.8	18000	
Mn	55	74	He	1.812	ug/l	5.3	18000	
Fe	56	74	H2	88.205	ug/l	1.1	450000	
Co	59	74	He	0.181	ug/l	10.7	1800	
Ni	60	74	He	1.722	ug/l	4.2	18000	
Cu	63	74	He	3.024	ug/l	1.2	18000	
Zn	66	74	He	10.748	ug/l	8.0	18000	
As	75	74	He	0.191	ug/l	44.5	4500	
Se	78	74	H2	0.221	ug/l	46.8	2700	
Sr	88	115	He	102.485	ug/l	0.7	4500	
Mo	95	115	He	0.161	ug/l	6.7	1800	
Ag	107	115	He	0.001	ug/l	297.1	900	
Cd	111	115	He	0.048	ug/l	98.0	4500	
Sn	118	115	He	-2.240	ug/l	N/A	1800	
Sb	121	115	He	0.109	ug/l	8.6	900	
Ba	137	159	He	55.305	ug/l	2.7	18000	
Tl	205	159	He	-0.083	ug/l	N/A	900	
(Pb)	206	209	He	0.167	ug/l	1.4		
(Pb)	207	209	He	0.199	ug/l	7.0		
Pb	208	209	He	0.176	ug/l	6.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4899687.67	1.2	92.4	70	120	
Sc (ISICPMS)	45	No Gas	10890721.50	1.2	91.2	70	120	
Sc (ISICPMS)	45	H2	2849495.90	0.9	83.8	70	120	
Sc (ISICPMS)	45	He	126029.86	0.2	86.4	70	120	
Ge (IS)	74	H2	611684.96	0.6	87.1	70	120	
Ge (IS)	74	He	70315.93	0.9	90.3	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	175151.74	0.5	90.8	70	120	
Tb (IS)	159	He	911236.18	0.5	96.8	70	120	
Bi (IS)	209	He	694455.11	1.0	92.1	70	120	

Continuing Calibration Verification (CCV)

File Name 078_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:49:35

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	99.010	ug/l	1.2	100	90	110	
B	11	6	No Gas	235.537	ug/l	0.7	250	225	275	
Na	23	45	He	26309.145	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25831.262	ug/l	0.3	25000	22500	27500	
Al	27	45	He	25885.245	ug/l	0.5	25000	22500	27500	
K	39	45	He	24812.421	ug/l	0.1	25000	22500	27500	
Ca	40	45	H2	25792.933	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	95.964	ug/l	1.7	100	90	110	
V	51	74	He	95.939	ug/l	0.3	100	90	110	
Cr	52	74	He	96.270	ug/l	1.0	100	90	110	
Mn	55	74	He	96.588	ug/l	0.3	100	90	110	
Fe	56	74	H2	25496.538	ug/l	0.6	25000	22500	27500	
Co	59	74	He	98.752	ug/l	1.3	100	90	110	
Ni	60	74	He	98.800	ug/l	2.1	100	90	110	
Cu	63	74	He	99.893	ug/l	1.5	100	90	110	
Zn	66	74	He	244.214	ug/l	1.7	250	225	275	
As	75	74	He	95.667	ug/l	1.0	100	90	110	
Se	78	74	H2	101.890	ug/l	1.5	100	90	110	
Sr	88	115	He	96.814	ug/l	0.3	100	90	110	
Mo	95	115	He	99.562	ug/l	0.5	100	90	110	
Ag	107	115	He	51.128	ug/l	0.9	50	45	55	
Cd	111	115	He	100.298	ug/l	2.5	100	90	110	
Sn	118	115	He	99.830	ug/l	2.0	100	90	110	
Sb	121	115	He	103.132	ug/l	0.6	100	90	110	
Ba	137	159	He	96.564	ug/l	1.7	100	90	110	
Tl	205	159	He	101.888	ug/l	0.1	100	90	110	
(Pb)	206	209	He	101.433	ug/l	1.0				
(Pb)	207	209	He	101.274	ug/l	0.6				
Pb	208	209	He	101.616	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5117206.83	0.3	96.5	70	120	
Sc (ISICPMS)	45	No Gas	10981934.70	0.6	91.9	70	120	
Sc (ISICPMS)	45	H2	2882220.20	0.8	84.7	70	120	
Sc (ISICPMS)	45	He	125866.09	0.2	86.3	70	120	
Ge (IS)	74	H2	620752.64	0.2	88.4	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	71070.71	0.5	91.3	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	182054.79	1.2	94.4	70	120	
Tb (IS)	159	He	948194.23	0.6	100.7	70	120	
Bi (IS)	209	He	746109.11	0.2	98.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 079_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:51:54

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.006	ug/l	78.9	0.8	-0.8	0.8	
B	11	6	No Gas	2.651	ug/l	3.7	80	-80	80	
Na	23	45	He	52.362	ug/l	5.5	500	-500	500	
Mg	24	45	He	1.011	ug/l	22.0	200	-200	200	
Al	27	45	He	2.246	ug/l	42.2	40	-40	40	
K	39	45	He	0.285	ug/l	3406.5	200	-200	200	
Ca	40	45	H2	3.676	ug/l	12.2	500	-500	500	
Ti	47	45	No Gas	0.144	ug/l	32.4	4	-4	4	
V	51	74	He	-0.057	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.246	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.032	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.384	ug/l	11.4	120	-120	120	
Co	59	74	He	-0.009	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.068	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.029	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.255	ug/l	99.6	16	-16	16	
As	75	74	He	0.050	ug/l	212.5	2	-2	2	
Se	78	74	H2	0.196	ug/l	21.0	2.5	-2.5	2.5	
Sr	88	115	He	-0.041	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.146	ug/l	16.8	4	-4	4	
Ag	107	115	He	0.002	ug/l	126.2	2	-2	2	
Cd	111	115	He	0.000	ug/l	4029.5	2	-2	2	
Sn	118	115	He	-2.038	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.030	ug/l	42.4	2	-2	2	
Ba	137	159	He	0.013	ug/l	9.0	4	-4	4	
Tl	205	159	He	-0.025	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	0.014	ug/l	42.1				
(Pb)	207	209	He	0.003	ug/l	299.6				
Pb	208	209	He	0.007	ug/l	108.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5207907.11	0.4	98.2	70	120	
Sc (ISICPMS)	45	No Gas	10898772.47	0.3	91.2	70	120	
Sc (ISICPMS)	45	H2	2889528.32	0.3	84.9	70	120	
Sc (ISICPMS)	45	He	125862.67	0.8	86.3	70	120	
Ge (IS)	74	H2	606620.98	0.4	86.4	70	120	
Ge (IS)	74	He	69454.34	0.2	89.2	70	120	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	185411.73	1.1	96.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	945505.92	1.1	100.4	70	120	
Bi (IS)	209	He	766140.19	0.6	101.6	70	120	

Sample Report

File Name 080SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:54:15

Sample Name **460-300315-E-5-A**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.477	ug/l	3.9	1800	
B	11	6	No Gas	57.163	ug/l	1.1	1800	
Na	23	45	He	789529.954	ug/l	0.9	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	5938.245	ug/l	1.2	450000	
Al	27	45	He	2139.467	ug/l	1.7	450000	
K	39	45	He	6276.355	ug/l	0.3	450000	
Ca	40	45	H2	40860.701	ug/l	1.3	900000	
Ti	47	45	No Gas	1.688	ug/l	8.8	9000	
V	51	74	He	0.320	ug/l	8.4	4500	
Cr	52	74	He	-0.059	ug/l	N/A	18000	
Mn	55	74	He	74.015	ug/l	0.9	18000	
Fe	56	74	H2	8274.677	ug/l	0.8	450000	
Co	59	74	He	5.059	ug/l	2.8	1800	
Ni	60	74	He	3.740	ug/l	3.8	18000	
Cu	63	74	He	9.125	ug/l	0.3	18000	
Zn	66	74	He	197.188	ug/l	1.2	18000	
As	75	74	He	23.530	ug/l	5.2	4500	
Se	78	74	H2	4.138	ug/l	10.6	2700	
Sr	88	115	He	289.039	ug/l	0.5	4500	
Mo	95	115	He	0.216	ug/l	16.6	1800	
Ag	107	115	He	0.004	ug/l	59.7	900	
Cd	111	115	He	0.373	ug/l	21.7	4500	
Sn	118	115	He	-2.145	ug/l	N/A	1800	
Sb	121	115	He	0.295	ug/l	15.0	900	
Ba	137	159	He	62.019	ug/l	2.1	18000	
Tl	205	159	He	-0.049	ug/l	N/A	900	
(Pb)	206	209	He	16.970	ug/l	1.3		
(Pb)	207	209	He	16.189	ug/l	0.8		
Pb	208	209	He	16.476	ug/l	1.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4767040.38	0.9	89.9	70	120	
Sc (ISICPMS)	45	No Gas	10596068.11	0.3	88.7	70	120	
Sc (ISICPMS)	45	H2	2821612.63	0.2	82.9	70	120	
Sc (ISICPMS)	45	He	123202.41	0.2	84.4	70	120	
Ge (IS)	74	H2	605563.18	0.3	86.3	70	120	
Ge (IS)	74	He	70850.65	1.0	91.0	70	120	
Kr	83	He	597.29	11.2	17900.8			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	173327.59	0.2	89.9	70	120	
Tb (IS)	159	He	1046800.67	0.5	111.2	70	120	
Bi (IS)	209	He	683867.44	0.4	90.7	70	120	

Sample Report

File Name 081SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:56:34

Sample Name **460-300315-E-6-A**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.123	ug/l	5.5	1800	
B	11	6	No Gas	172.269	ug/l	2.3	1800	
Na	23	45	He	1191767.247	ug/l	0.8	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	9078.840	ug/l	0.7	450000	
Al	27	45	He	455.238	ug/l	1.8	450000	
K	39	45	He	9741.933	ug/l	0.4	450000	
Ca	40	45	H2	82156.961	ug/l	1.1	900000	
Ti	47	45	No Gas	5.616	ug/l	28.9	9000	
V	51	74	He	-0.023	ug/l	N/A	4500	
Cr	52	74	He	0.286	ug/l	33.8	18000	
Mn	55	74	He	150.576	ug/l	0.7	18000	
Fe	56	74	H2	17651.665	ug/l	0.8	450000	
Co	59	74	He	5.519	ug/l	1.8	1800	
Ni	60	74	He	1.854	ug/l	6.9	18000	
Cu	63	74	He	13.015	ug/l	1.4	18000	
Zn	66	74	He	20.865	ug/l	3.4	18000	
As	75	74	He	4.257	ug/l	1.7	4500	
Se	78	74	H2	1.463	ug/l	7.6	2700	
Sr	88	115	He	646.343	ug/l	0.5	4500	
Mo	95	115	He	0.172	ug/l	12.6	1800	
Ag	107	115	He	0.026	ug/l	11.4	900	
Cd	111	115	He	0.139	ug/l	9.5	4500	
Sn	118	115	He	-1.882	ug/l	N/A	1800	
Sb	121	115	He	0.107	ug/l	21.9	900	
Ba	137	159	He	90.499	ug/l	0.9	18000	
Tl	205	159	He	0.047	ug/l	3.6	900	
(Pb)	206	209	He	32.153	ug/l	1.6		
(Pb)	207	209	He	30.356	ug/l	0.3		
Pb	208	209	He	30.942	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4657689.65	1.8	87.8	70	120	
Sc (ISICPMS)	45	No Gas	10478888.73	0.8	87.7	70	120	
Sc (ISICPMS)	45	H2	2819063.02	1.3	82.9	70	120	
Sc (ISICPMS)	45	He	125100.98	0.6	85.7	70	120	
Ge (IS)	74	H2	594793.78	1.1	84.7	70	120	
Ge (IS)	74	He	68899.35	0.6	88.5	70	120	
Kr	83	He	120.12	58.3	3600.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	172820.17	0.2	89.6	70	120	
Tb (IS)	159	He	926627.60	0.5	98.4	70	120	
Bi (IS)	209	He	682985.67	0.7	90.5	70	120	

Sample Report

File Name 082SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 13:58:53

Sample Name **460-300315-E-7-A**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.037	ug/l	20.9	1800	
B	11	6	No Gas	33.708	ug/l	1.5	1800	
Na	23	45	He	131444.071	ug/l	0.5	450000	
Mg	24	45	He	471.303	ug/l	1.6	450000	
Al	27	45	He	91.900	ug/l	3.4	450000	
K	39	45	He	842.977	ug/l	1.4	450000	
Ca	40	45	H2	2191.416	ug/l	0.8	900000	
Ti	47	45	No Gas	0.773	ug/l	25.7	9000	
V	51	74	He	-0.122	ug/l	N/A	4500	
Cr	52	74	He	1.414	ug/l	30.2	18000	
Mn	55	74	He	10.549	ug/l	0.7	18000	
Fe	56	74	H2	82.489	ug/l	2.5	450000	
Co	59	74	He	0.604	ug/l	8.3	1800	
Ni	60	74	He	1.422	ug/l	9.7	18000	
Cu	63	74	He	2.938	ug/l	1.0	18000	
Zn	66	74	He	24.106	ug/l	2.4	18000	
As	75	74	He	0.053	ug/l	64.6	4500	
Se	78	74	H2	0.150	ug/l	37.3	2700	
Sr	88	115	He	12.689	ug/l	2.2	4500	
Mo	95	115	He	0.126	ug/l	12.6	1800	
Ag	107	115	He	0.004	ug/l	79.1	900	
Cd	111	115	He	0.097	ug/l	51.4	4500	
Sn	118	115	He	-2.198	ug/l	N/A	1800	
Sb	121	115	He	0.120	ug/l	5.8	900	
Ba	137	159	He	13.257	ug/l	3.8	18000	
Tl	205	159	He	-0.107	ug/l	N/A	900	
(Pb)	206	209	He	0.188	ug/l	9.6		
(Pb)	207	209	He	0.138	ug/l	22.7		
Pb	208	209	He	0.169	ug/l	6.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5076717.25	2.1	95.7	70	120	
Sc (ISICPMS)	45	No Gas	10890369.84	1.0	91.2	70	120	
Sc (ISICPMS)	45	H2	2892597.25	0.3	85.0	70	120	
Sc (ISICPMS)	45	He	127071.56	0.5	87.1	70	120	
Ge (IS)	74	H2	628884.05	0.9	89.6	70	120	
Ge (IS)	74	He	72531.10	1.3	93.1	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185933.55	0.6	96.4	70	120	
Tb (IS)	159	He	963642.61	1.4	102.4	70	120	
Bi (IS)	209	He	751408.57	1.5	99.6	70	120	

Sample Report

File Name 083SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:01:13

Sample Name **460-300315-E-8-A**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.273	ug/l	11.3	1800	
B	11	6	No Gas	31.673	ug/l	1.7	1800	
Na	23	45	He	30896.215	ug/l	0.9	450000	
Mg	24	45	He	2629.084	ug/l	0.4	450000	
Al	27	45	He	367.175	ug/l	6.1	450000	
K	39	45	He	1410.821	ug/l	0.8	450000	
Ca	40	45	H2	1945.044	ug/l	0.4	900000	
Ti	47	45	No Gas	4.224	ug/l	1.6	9000	
V	51	74	He	0.089	ug/l	45.3	4500	
Cr	52	74	He	1.516	ug/l	17.0	18000	
Mn	55	74	He	60.024	ug/l	1.9	18000	
Fe	56	74	H2	603.351	ug/l	0.3	450000	
Co	59	74	He	2.142	ug/l	5.6	1800	
Ni	60	74	He	2.495	ug/l	6.3	18000	
Cu	63	74	He	6.035	ug/l	0.4	18000	
Zn	66	74	He	22.630	ug/l	2.8	18000	
As	75	74	He	0.105	ug/l	96.4	4500	
Se	78	74	H2	0.611	ug/l	10.3	2700	
Sr	88	115	He	22.142	ug/l	2.4	4500	
Mo	95	115	He	0.169	ug/l	21.3	1800	
Ag	107	115	He	0.001	ug/l	546.2	900	
Cd	111	115	He	0.115	ug/l	53.9	4500	
Sn	118	115	He	-2.011	ug/l	N/A	1800	
Sb	121	115	He	0.175	ug/l	15.6	900	
Ba	137	159	He	82.210	ug/l	0.5	18000	
Tl	205	159	He	-0.076	ug/l	N/A	900	
(Pb)	206	209	He	2.003	ug/l	4.2		
(Pb)	207	209	He	1.874	ug/l	7.0		
Pb	208	209	He	1.906	ug/l	2.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5179100.58	0.3	97.7	70	120	
Sc (ISICPMS)	45	No Gas	11003611.64	1.3	92.1	70	120	
Sc (ISICPMS)	45	H2	2896406.83	0.5	85.1	70	120	
Sc (ISICPMS)	45	He	127757.50	1.1	87.6	70	120	
Ge (IS)	74	H2	632820.80	0.5	90.1	70	120	
Ge (IS)	74	He	72715.40	0.6	93.4	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	189535.93	0.4	98.3	70	120	
Tb (IS)	159	He	972327.97	0.9	103.3	70	120	
Bi (IS)	209	He	781287.53	0.2	103.6	70	120	

Sample Report

File Name 084SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:03:34

Sample Name **460-300315-E-9-A**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.027	ug/l	22.2	1800	
B	11	6	No Gas	168.059	ug/l	3.0	1800	
Na	23	45	He	529026.278	ug/l	0.2	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	4645.901	ug/l	0.3	450000	
Al	27	45	He	118.848	ug/l	10.7	450000	
K	39	45	He	6512.510	ug/l	0.3	450000	
Ca	40	45	H2	41778.472	ug/l	0.7	900000	
Ti	47	45	No Gas	0.815	ug/l	8.8	9000	
V	51	74	He	0.022	ug/l	251.7	4500	
Cr	52	74	He	0.360	ug/l	52.4	18000	
Mn	55	74	He	41.597	ug/l	1.8	18000	
Fe	56	74	H2	3233.505	ug/l	1.2	450000	
Co	59	74	He	1.074	ug/l	3.5	1800	
Ni	60	74	He	1.709	ug/l	9.1	18000	
Cu	63	74	He	7.139	ug/l	1.9	18000	
Zn	66	74	He	49.579	ug/l	2.7	18000	
As	75	74	He	2.511	ug/l	9.1	4500	
Se	78	74	H2	1.205	ug/l	10.6	2700	
Sr	88	115	He	274.261	ug/l	1.5	4500	
Mo	95	115	He	0.174	ug/l	12.1	1800	
Ag	107	115	He	0.002	ug/l	285.3	900	
Cd	111	115	He	0.084	ug/l	39.9	4500	
Sn	118	115	He	-2.262	ug/l	N/A	1800	
Sb	121	115	He	0.169	ug/l	43.0	900	
Ba	137	159	He	43.448	ug/l	3.3	18000	
Tl	205	159	He	-0.020	ug/l	N/A	900	
(Pb)	206	209	He	9.870	ug/l	1.1		
(Pb)	207	209	He	9.062	ug/l	0.8		
Pb	208	209	He	9.415	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4808352.84	1.4	90.7	70	120	
Sc (ISICPMS)	45	No Gas	10741737.34	1.0	89.9	70	120	
Sc (ISICPMS)	45	H2	2866480.16	1.1	84.3	70	120	
Sc (ISICPMS)	45	He	125674.48	0.3	86.1	70	120	
Ge (IS)	74	H2	620903.95	1.3	88.4	70	120	
Ge (IS)	74	He	71151.11	0.5	91.4	70	120	
Kr	83	He	40.04	50.0	1200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	178608.69	0.5	92.6	70	120	
Tb (IS)	159	He	950648.79	0.7	101.0	70	120	
Bi (IS)	209	He	719222.56	1.0	95.4	70	120	

Sample Report

File Name 085SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:05:52

Sample Name **460-300315-E-11-A**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.040	ug/l	36.3	1800	
B	11	6	No Gas	67.658	ug/l	2.2	1800	
Na	23	45	He	633473.906	ug/l	0.2	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	4159.582	ug/l	0.3	450000	
Al	27	45	He	112.265	ug/l	11.4	450000	
K	39	45	He	2758.518	ug/l	1.3	450000	
Ca	40	45	H2	25759.730	ug/l	0.8	900000	
Ti	47	45	No Gas	0.985	ug/l	12.1	9000	
V	51	74	He	-0.139	ug/l	N/A	4500	
Cr	52	74	He	0.231	ug/l	40.0	18000	
Mn	55	74	He	211.705	ug/l	0.2	18000	
Fe	56	74	H2	18571.732	ug/l	1.6	450000	
Co	59	74	He	1.983	ug/l	1.3	1800	
Ni	60	74	He	1.522	ug/l	3.2	18000	
Cu	63	74	He	3.324	ug/l	1.2	18000	
Zn	66	74	He	35.284	ug/l	2.7	18000	
As	75	74	He	0.977	ug/l	13.5	4500	
Se	78	74	H2	0.284	ug/l	35.9	2700	
Sr	88	115	He	137.729	ug/l	1.1	4500	
Mo	95	115	He	0.129	ug/l	22.3	1800	
Ag	107	115	He	0.004	ug/l	68.7	900	
Cd	111	115	He	0.276	ug/l	30.6	4500	
Sn	118	115	He	-2.184	ug/l	N/A	1800	
Sb	121	115	He	0.064	ug/l	26.6	900	
Ba	137	159	He	74.567	ug/l	1.0	18000	
Tl	205	159	He	-0.077	ug/l	N/A	900	
(Pb)	206	209	He	0.181	ug/l	9.7		
(Pb)	207	209	He	0.148	ug/l	13.7		
Pb	208	209	He	0.165	ug/l	3.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4804564.82	0.2	90.6	70	120	
Sc (ISICPMS)	45	No Gas	10844276.09	0.7	90.8	70	120	
Sc (ISICPMS)	45	H2	2869352.87	0.5	84.4	70	120	
Sc (ISICPMS)	45	He	126689.58	0.8	86.8	70	120	
Ge (IS)	74	H2	618762.50	0.3	88.1	70	120	
Ge (IS)	74	He	70714.59	1.5	90.8	70	120	
Kr	83	He	50.05	52.9	1500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	179220.49	0.4	92.9	70	120	
Tb (IS)	159	He	945236.51	0.8	100.4	70	120	
Bi (IS)	209	He	720065.80	0.6	95.5	70	120	

Sample Report

File Name 086SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:08:11

Sample Name **460-300315-E-12-A**

Comment ---

Dilution **1.0000**

Vial # 2505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.117	ug/l	6.7	1800	
B	11	6	No Gas	176.745	ug/l	0.5	1800	
Na	23	45	He	1218638.861	ug/l	1.0	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	9305.617	ug/l	1.3	450000	
Al	27	45	He	478.836	ug/l	4.8	450000	
K	39	45	He	10054.234	ug/l	0.7	450000	
Ca	40	45	H2	82296.070	ug/l	1.5	900000	
Ti	47	45	No Gas	2.751	ug/l	9.9	9000	
V	51	74	He	-0.036	ug/l	N/A	4500	
Cr	52	74	He	0.455	ug/l	72.8	18000	
Mn	55	74	He	155.338	ug/l	1.0	18000	
Fe	56	74	H2	17957.964	ug/l	1.6	450000	
Co	59	74	He	5.640	ug/l	1.6	1800	
Ni	60	74	He	2.074	ug/l	3.5	18000	
Cu	63	74	He	12.964	ug/l	2.0	18000	
Zn	66	74	He	20.664	ug/l	3.4	18000	
As	75	74	He	4.365	ug/l	6.4	4500	
Se	78	74	H2	1.448	ug/l	13.6	2700	
Sr	88	115	He	657.790	ug/l	0.6	4500	
Mo	95	115	He	0.143	ug/l	12.5	1800	
Ag	107	115	He	0.026	ug/l	40.1	900	
Cd	111	115	He	0.123	ug/l	30.3	4500	
Sn	118	115	He	-2.222	ug/l	N/A	1800	
Sb	121	115	He	0.121	ug/l	22.0	900	
Ba	137	159	He	90.168	ug/l	1.6	18000	
Tl	205	159	He	0.040	ug/l	9.6	900	
(Pb)	206	209	He	33.284	ug/l	0.5		
(Pb)	207	209	He	31.170	ug/l	1.3		
Pb	208	209	He	31.873	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4715603.16	0.6	88.9	70	120	
Sc (ISICPMS)	45	No Gas	10658229.98	1.6	89.2	70	120	
Sc (ISICPMS)	45	H2	2890409.54	0.5	85.0	70	120	
Sc (ISICPMS)	45	He	127244.25	1.2	87.2	70	120	
Ge (IS)	74	H2	611942.71	0.6	87.2	70	120	
Ge (IS)	74	He	70169.88	0.8	90.1	70	120	
Kr	83	He	143.48	8.1	4300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	177759.21	0.7	92.2	70	120	
Tb (IS)	159	He	951744.49	0.9	101.1	70	120	
Bi (IS)	209	He	693809.57	1.1	92.0	70	120	

Sample Report

File Name 087SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:10:31

Sample Name **460-300315-D-13-A**

Comment ---

Dilution **1.0000**

Vial # 2506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.004	ug/l	N/A	1800	
B	11	6	No Gas	16.860	ug/l	2.6	1800	
Na	23	45	He	181.661	ug/l	3.6	450000	
Mg	24	45	He	1.090	ug/l	50.9	450000	
Al	27	45	He	6.873	ug/l	24.2	450000	
K	39	45	He	-1.325	ug/l	N/A	450000	
Ca	40	45	H2	10.606	ug/l	2.8	900000	
Ti	47	45	No Gas	0.276	ug/l	9.9	9000	
V	51	74	He	-0.212	ug/l	N/A	4500	
Cr	52	74	He	-0.076	ug/l	N/A	18000	
Mn	55	74	He	0.021	ug/l	81.9	18000	
Fe	56	74	H2	6.113	ug/l	6.3	450000	
Co	59	74	He	-0.013	ug/l	N/A	1800	
Ni	60	74	He	0.261	ug/l	35.4	18000	
Cu	63	74	He	3.649	ug/l	3.3	18000	
Zn	66	74	He	1.978	ug/l	8.4	18000	
As	75	74	He	-0.002	ug/l	N/A	4500	
Se	78	74	H2	0.045	ug/l	72.6	2700	
Sr	88	115	He	0.083	ug/l	35.1	4500	
Mo	95	115	He	0.023	ug/l	38.0	1800	
Ag	107	115	He	-0.003	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.339	ug/l	N/A	1800	
Sb	121	115	He	0.006	ug/l	291.4	900	
Ba	137	159	He	-0.014	ug/l	N/A	18000	
Tl	205	159	He	-0.118	ug/l	N/A	900	
(Pb)	206	209	He	0.203	ug/l	9.0		
(Pb)	207	209	He	0.173	ug/l	17.0		
Pb	208	209	He	0.176	ug/l	7.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5168657.39	0.5	97.5	70	120	
Sc (ISICPMS)	45	No Gas	11085826.64	0.5	92.8	70	120	
Sc (ISICPMS)	45	H2	2980788.78	0.3	87.6	70	120	
Sc (ISICPMS)	45	He	130608.11	0.9	89.5	70	120	
Ge (IS)	74	H2	641829.06	0.5	91.4	70	120	
Ge (IS)	74	He	73645.36	1.1	94.6	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	195997.90	1.0	101.6	70	120	
Tb (IS)	159	He	993827.81	0.4	105.6	70	120	
Bi (IS)	209	He	809572.10	0.6	107.3	70	120	

Sample Report

File Name 088SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:12:52

Sample Name **460-299930-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	7.0	1800	
B	11	6	No Gas	29.104	ug/l	1.7	1800	
Na	23	45	He	18959.202	ug/l	0.4	450000	
Mg	24	45	He	5286.181	ug/l	0.6	450000	
Al	27	45	He	239.669	ug/l	8.4	450000	
K	39	45	He	1651.818	ug/l	0.8	450000	
Ca	40	45	H2	17045.774	ug/l	0.8	900000	
Ti	47	45	No Gas	7.708	ug/l	10.7	9000	
V	51	74	He	0.444	ug/l	8.3	4500	
Cr	52	74	He	0.529	ug/l	29.2	18000	
Mn	55	74	He	79.270	ug/l	0.7	18000	
Fe	56	74	H2	1374.280	ug/l	0.3	450000	
Co	59	74	He	0.364	ug/l	12.2	1800	
Ni	60	74	He	1.518	ug/l	5.4	18000	
Cu	63	74	He	21.906	ug/l	1.4	18000	
Zn	66	74	He	24.584	ug/l	3.0	18000	
As	75	74	He	0.674	ug/l	35.1	4500	
Se	78	74	H2	0.133	ug/l	42.7	2700	
Sr	88	115	He	73.475	ug/l	2.2	4500	
Mo	95	115	He	1.189	ug/l	4.2	1800	
Ag	107	115	He	0.004	ug/l	107.6	900	
Cd	111	115	He	0.027	ug/l	65.7	4500	
Sn	118	115	He	-2.159	ug/l	N/A	1800	
Sb	121	115	He	0.239	ug/l	13.4	900	
Ba	137	159	He	26.265	ug/l	3.9	18000	
Tl	205	159	He	-0.113	ug/l	N/A	900	
(Pb)	206	209	He	2.451	ug/l	3.4		
(Pb)	207	209	He	2.314	ug/l	1.1		
Pb	208	209	He	2.388	ug/l	1.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5246641.73	1.4	99.0	70	120	
Sc (ISICPMS)	45	No Gas	11363126.08	0.7	95.1	70	120	
Sc (ISICPMS)	45	H2	2955135.93	0.8	86.9	70	120	
Sc (ISICPMS)	45	He	130368.39	0.7	89.3	70	120	
Ge (IS)	74	H2	644221.56	0.6	91.8	70	120	
Ge (IS)	74	He	74028.52	0.8	95.1	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	195444.77	1.3	101.3	70	120	
Tb (IS)	159	He	995027.74	1.5	105.7	70	120	
Bi (IS)	209	He	802063.88	0.6	106.3	70	120	

Continuing Calibration Verification (CCV)

File Name 089_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:15:11

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	98.809	ug/l	2.5	100	90	110	
B	11	6	No Gas	236.319	ug/l	0.3	250	225	275	
Na	23	45	He	26002.435	ug/l	0.3	25000	22500	27500	
Mg	24	45	He	25527.017	ug/l	0.4	25000	22500	27500	
Al	27	45	He	25676.906	ug/l	0.4	25000	22500	27500	
K	39	45	He	24666.907	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	25615.077	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	96.888	ug/l	1.2	100	90	110	
V	51	74	He	95.017	ug/l	1.4	100	90	110	
Cr	52	74	He	95.354	ug/l	1.3	100	90	110	
Mn	55	74	He	96.442	ug/l	0.6	100	90	110	
Fe	56	74	H2	25043.711	ug/l	1.9	25000	22500	27500	
Co	59	74	He	97.395	ug/l	0.7	100	90	110	
Ni	60	74	He	98.827	ug/l	0.8	100	90	110	
Cu	63	74	He	98.824	ug/l	0.2	100	90	110	
Zn	66	74	He	245.247	ug/l	0.3	250	225	275	
As	75	74	He	97.158	ug/l	2.9	100	90	110	
Se	78	74	H2	100.373	ug/l	1.7	100	90	110	
Sr	88	115	He	95.133	ug/l	1.0	100	90	110	
Mo	95	115	He	98.130	ug/l	1.0	100	90	110	
Ag	107	115	He	50.003	ug/l	1.3	50	45	55	
Cd	111	115	He	99.568	ug/l	2.3	100	90	110	
Sn	118	115	He	99.994	ug/l	0.9	100	90	110	
Sb	121	115	He	103.286	ug/l	2.1	100	90	110	
Ba	137	159	He	97.323	ug/l	1.7	100	90	110	
Tl	205	159	He	102.204	ug/l	0.2	100	90	110	
(Pb)	206	209	He	101.973	ug/l	0.5				
(Pb)	207	209	He	100.583	ug/l	1.4				
Pb	208	209	He	101.466	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5069917.49	0.9	95.6	70	120	
Sc (ISICPMS)	45	No Gas	10962199.42	1.1	91.8	70	120	
Sc (ISICPMS)	45	H2	2923537.91	1.0	85.9	70	120	
Sc (ISICPMS)	45	He	126977.41	0.4	87.0	70	120	
Ge (IS)	74	H2	634076.05	0.7	90.3	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	72508.74	0.7	93.1	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	190037.38	1.2	98.5	70	120	
Tb (IS)	159	He	983959.78	0.4	104.5	70	120	
Bi (IS)	209	He	776207.81	0.7	102.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 090_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:17:31

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.003	ug/l	154.8	0.8	-0.8	0.8	
B	11	6	No Gas	2.607	ug/l	6.4	80	-80	80	
Na	23	45	He	60.721	ug/l	4.6	500	-500	500	
Mg	24	45	He	0.949	ug/l	40.6	200	-200	200	
Al	27	45	He	2.359	ug/l	61.1	40	-40	40	
K	39	45	He	-4.498	ug/l	N/A	200	-200	200	
Ca	40	45	H2	3.678	ug/l	8.2	500	-500	500	
Ti	47	45	No Gas	0.185	ug/l	11.9	4	-4	4	
V	51	74	He	-0.141	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.353	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.004	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.221	ug/l	1.8	120	-120	120	
Co	59	74	He	-0.011	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.128	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.024	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.480	ug/l	69.6	16	-16	16	
As	75	74	He	-0.007	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.250	ug/l	12.1	2.5	-2.5	2.5	
Sr	88	115	He	-0.006	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.113	ug/l	39.1	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	54601.9	2	-2	2	
Sn	118	115	He	-2.419	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.044	ug/l	76.3	2	-2	2	
Ba	137	159	He	0.001	ug/l	3375.1	4	-4	4	
Tl	205	159	He	-0.015	ug/l	N/A	0.8	-0.8	0.8	
(Pb)	206	209	He	0.014	ug/l	68.0				
(Pb)	207	209	He	-0.019	ug/l	N/A				
Pb	208	209	He	0.003	ug/l	179.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5172518.67	1.8	97.6	70	120	
Sc (ISICPMS)	45	No Gas	10978768.45	2.5	91.9	70	120	
Sc (ISICPMS)	45	H2	2914714.23	0.1	85.7	70	120	
Sc (ISICPMS)	45	He	128789.41	0.8	88.3	70	120	
Ge (IS)	74	H2	620542.08	0.1	88.4	70	120	
Ge (IS)	74	He	70780.62	1.6	90.9	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	191586.55	0.4	99.3	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	978820.05	0.7	104.0	70	120	
Bi (IS)	209	He	801560.58	1.5	106.3	70	120	

Sample Report

File Name 091SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:19:53

Sample Name **MB 460-965294/1-A**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.002	ug/l	N/A	1800	
B	11	6	No Gas	2.331	ug/l	6.0	1800	
Na	23	45	He	141.333	ug/l	2.9	450000	
Mg	24	45	He	2.705	ug/l	25.1	450000	
Al	27	45	He	6.121	ug/l	34.1	450000	
K	39	45	He	2.282	ug/l	308.9	450000	
Ca	40	45	H2	17.275	ug/l	1.3	900000	
Ti	47	45	No Gas	0.556	ug/l	6.4	9000	
V	51	74	He	-0.074	ug/l	N/A	4500	
Cr	52	74	He	1.820	ug/l	12.1	18000	
Mn	55	74	He	0.106	ug/l	99.1	18000	
Fe	56	74	H2	18.511	ug/l	0.3	450000	
Co	59	74	He	-0.002	ug/l	N/A	1800	
Ni	60	74	He	0.349	ug/l	33.1	18000	
Cu	63	74	He	0.078	ug/l	48.1	18000	
Zn	66	74	He	2.649	ug/l	20.6	18000	
As	75	74	He	0.022	ug/l	297.2	4500	
Se	78	74	H2	0.118	ug/l	25.0	2700	
Sr	88	115	He	-0.010	ug/l	N/A	4500	
Mo	95	115	He	0.120	ug/l	26.1	1800	
Ag	107	115	He	-0.004	ug/l	N/A	900	
Cd	111	115	He	0.008	ug/l	149.7	4500	
Sn	118	115	He	9.659	ug/l	4.9	1800	
Sb	121	115	He	0.020	ug/l	69.8	900	
Ba	137	159	He	-0.018	ug/l	N/A	18000	
Tl	205	159	He	-0.106	ug/l	N/A	900	
(Pb)	206	209	He	0.177	ug/l	1.5		
(Pb)	207	209	He	0.186	ug/l	16.2		
Pb	208	209	He	0.181	ug/l	10.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5081806.10	1.0	95.8	70	120	
Sc (ISICPMS)	45	No Gas	10879294.42	0.6	91.1	70	120	
Sc (ISICPMS)	45	H2	2877424.02	0.8	84.6	70	120	
Sc (ISICPMS)	45	He	127304.87	1.6	87.2	70	120	
Ge (IS)	74	H2	627984.17	0.6	89.5	70	120	
Ge (IS)	74	He	72301.06	0.7	92.8	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	190558.04	0.3	98.8	70	120	
Tb (IS)	159	He	981891.81	1.3	104.3	70	120	
Bi (IS)	209	He	795995.61	1.2	105.5	70	120	

Sample Report

File Name 092SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:22:14

Sample Name **LCSSRM 460-965294/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	510.234	ug/l	2.6	1800	
B	11	6	No Gas	707.508	ug/l	1.9	1800	
Na	23	45	He	1672.078	ug/l	1.1	450000	
Mg	24	45	He	5166.300	ug/l	0.5	450000	
Al	27	45	He	18303.364	ug/l	0.6	450000	
K	39	45	He	3680.267	ug/l	1.1	450000	
Ca	40	45	H2	16418.845	ug/l	0.4	900000	
Ti	47	45	No Gas	854.007	ug/l	2.2	9000	
V	51	74	He	309.385	ug/l	0.2	4500	
Cr	52	74	He	542.508	ug/l	0.6	18000	
Mn	55	74	He	1577.617	ug/l	1.4	18000	
Fe	56	74	H2	19537.869	ug/l	1.0	450000	
Co	59	74	He	251.320	ug/l	0.8	1800	
Ni	60	74	He	963.516	ug/l	1.2	18000	
Cu	63	74	He	631.767	ug/l	0.3	18000	
Zn	66	74	He	523.594	ug/l	0.5	18000	
As	75	74	He	961.511	ug/l	0.9	4500	
Se	78	74	H2	540.463	ug/l	1.2	2700	
Sr	88	115	He	402.883	ug/l	0.2	4500	
Mo	95	115	He	428.417	ug/l	0.3	1800	
Ag	107	115	He	264.826	ug/l	0.6	900	
Cd	111	115	He	675.835	ug/l	1.0	4500	
Sn	118	115	He	245.443	ug/l	0.8	1800	
Sb	121	115	He	392.823	ug/l	0.9	900	
Ba	137	159	He	938.052	ug/l	0.6	18000	
Tl	205	159	He	672.716	ug/l	0.6	900	
(Pb)	206	209	He	307.523	ug/l	1.2		
(Pb)	207	209	He	293.442	ug/l	0.5		
Pb	208	209	He	298.750	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5304345.13	0.5	100.0	70	120	
Sc (ISICPMS)	45	No Gas	11105399.28	0.8	93.0	70	120	
Sc (ISICPMS)	45	H2	2911255.44	0.7	85.6	70	120	
Sc (ISICPMS)	45	He	127534.41	1.2	87.4	70	120	
Ge (IS)	74	H2	637339.54	0.4	90.8	70	120	
Ge (IS)	74	He	73194.31	0.5	94.0	70	120	
Kr	83	He	26.69	57.3	800.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	190351.41	0.3	98.7	70	120	
Tb (IS)	159	He	999722.21	0.9	106.2	70	120	
Bi (IS)	209	He	793682.43	1.0	105.2	70	120	

Sample Report

File Name 093SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:24:35

Sample Name **460-300326-B-7-G PDS**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	26.792	ug/l	2.9	1800	
B	11	6	No Gas	523.786	ug/l	2.8	1800	
Na	23	45	He	3757.377	ug/l	0.7	450000	
Mg	24	45	He	35269.054	ug/l	0.5	450000	
Al	27	45	He	98096.586	ug/l	0.2	450000	
K	39	45	He	13421.568	ug/l	0.3	450000	
Ca	40	45	H2	74028.108	ug/l	0.7	900000	
Ti	47	45	No Gas	5681.740	ug/l	1.7	9000	
V	51	74	He	265.647	ug/l	0.5	4500	
Cr	52	74	He	236.935	ug/l	1.1	18000	
Mn	55	74	He	3171.762	ug/l	0.8	18000	
Fe	56	74	H2	155519.329	ug/l	1.1	450000	
Co	59	74	He	82.611	ug/l	1.3	1800	
Ni	60	74	He	179.448	ug/l	0.6	18000	
Cu	63	74	He	748.856	ug/l	1.0	18000	
Zn	66	74	He	1051.055	ug/l	1.0	18000	
As	75	74	He	81.673	ug/l	1.9	4500	
Se	78	74	H2	56.778	ug/l	1.2	2700	
Sr	88	115	He	360.529	ug/l	0.5	4500	
Mo	95	115	He	56.183	ug/l	0.6	1800	
Ag	107	115	He	100.197	ug/l	0.5	900	
Cd	111	115	He	26.519	ug/l	2.2	4500	
Sn	118	115	He	126.938	ug/l	0.7	1800	
Sb	121	115	He	33.757	ug/l	1.7	900	
Ba	137	159	He	717.163	ug/l	0.2	18000	
Tl	205	159	He	20.944	ug/l	0.2	900	
(Pb)	206	209	He	11928.437	ug/l	0.4		
(Pb)	207	209	He	11459.031	ug/l	0.7		
Pb	208	209	He	11727.529	ug/l	0.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5171501.17	1.4	97.5	70	120	
Sc (ISICPMS)	45	No Gas	11759398.30	0.4	98.4	70	120	
Sc (ISICPMS)	45	H2	3132722.25	1.3	92.1	70	120	
Sc (ISICPMS)	45	He	136288.84	0.2	93.4	70	120	
Ge (IS)	74	H2	649992.59	0.9	92.6	70	120	
Ge (IS)	74	He	74239.52	0.4	95.3	70	120	
Kr	83	He	120.12	22.0	3600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188797.72	0.7	97.9	70	120	
Tb (IS)	159	He	1018407.56	0.8	108.2	70	120	
Bi (IS)	209	He	828313.85	0.5	109.8	70	120	

Sample Report

File Name 094SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:26:53

Sample Name **460-300326-B-7-I MS**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	12.511	ug/l	0.9	1800	
B	11	6	No Gas	230.300	ug/l	1.5	1800	
Na	23	45	He	2097.994	ug/l	1.0	450000	
Mg	24	45	He	31460.471	ug/l	0.9	450000	
Al	27	45	He	88651.734	ug/l	0.9	450000	
K	39	45	He	11487.553	ug/l	0.8	450000	
Ca	40	45	H2	30603.497	ug/l	0.7	900000	
Ti	47	45	No Gas	5337.123	ug/l	0.9	9000	
V	51	74	He	229.447	ug/l	0.6	4500	
Cr	52	74	He	196.194	ug/l	1.4	18000	
Mn	55	74	He	3034.381	ug/l	0.7	18000	
Fe	56	74	H2	146395.235	ug/l	0.8	450000	
Co	59	74	He	65.626	ug/l	0.2	1800	
Ni	60	74	He	139.257	ug/l	1.0	18000	
Cu	63	74	He	573.441	ug/l	0.6	18000	
Zn	66	74	He	807.465	ug/l	0.6	18000	
As	75	74	He	50.807	ug/l	1.1	4500	
Se	78	74	H2	25.537	ug/l	0.2	2700	
Sr	88	115	He	160.914	ug/l	0.9	4500	
Mo	95	115	He	27.069	ug/l	0.9	1800	
Ag	107	115	He	66.707	ug/l	0.5	900	
Cd	111	115	He	11.974	ug/l	4.0	4500	
Sn	118	115	He	90.044	ug/l	1.3	1800	
Sb	121	115	He	11.717	ug/l	1.7	900	
Ba	137	159	He	672.781	ug/l	0.9	18000	
Tl	205	159	He	9.818	ug/l	0.9	900	
(Pb)	206	209	He	14061.453	ug/l	0.7		
(Pb)	207	209	He	13657.063	ug/l	1.1		
Pb	208	209	He	13857.787	ug/l	1.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5238004.54	1.7	98.8	70	120	
Sc (ISICPMS)	45	No Gas	11977688.71	0.3	100.3	70	120	
Sc (ISICPMS)	45	H2	3122450.65	0.7	91.8	70	120	
Sc (ISICPMS)	45	He	139937.28	1.1	95.9	70	120	
Ge (IS)	74	H2	651146.87	0.3	92.8	70	120	
Ge (IS)	74	He	75861.04	1.1	97.4	70	120	
Kr	83	He	120.12	14.4	3600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192250.33	0.7	99.7	70	120	
Tb (IS)	159	He	1013653.51	0.2	107.7	70	120	
Bi (IS)	209	He	833950.27	1.2	110.6	70	120	

Sample Report

File Name 095SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:29:10

Sample Name **460-300326-B-7-H DU**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.100	ug/l	0.6	1800	
B	11	6	No Gas	35.105	ug/l	1.2	1800	
Na	23	45	He	1133.757	ug/l	1.5	450000	
Mg	24	45	He	53200.536	ug/l	1.0	450000	
Al	27	45	He	91214.373	ug/l	0.8	450000	
K	39	45	He	11502.704	ug/l	0.7	450000	
Ca	40	45	H2	82350.799	ug/l	1.2	900000	
Ti	47	45	No Gas	5679.247	ug/l	1.0	9000	
V	51	74	He	214.543	ug/l	0.8	4500	
Cr	52	74	He	171.425	ug/l	1.1	18000	
Mn	55	74	He	3172.050	ug/l	1.6	18000	
Fe	56	74	H2	147901.492	ug/l	1.6	450000	
Co	59	74	He	59.680	ug/l	1.2	1800	
Ni	60	74	He	122.073	ug/l	1.3	18000	
Cu	63	74	He	652.301	ug/l	1.2	18000	
Zn	66	74	He	760.391	ug/l	1.0	18000	
As	75	74	He	30.525	ug/l	6.5	4500	
Se	78	74	H2	4.682	ug/l	1.2	2700	
Sr	88	115	He	196.617	ug/l	0.2	4500	
Mo	95	115	He	6.601	ug/l	2.4	1800	
Ag	107	115	He	185.484	ug/l	0.5	900	
Cd	111	115	He	2.638	ug/l	4.7	4500	
Sn	118	115	He	158.597	ug/l	0.3	1800	
Sb	121	115	He	38.286	ug/l	0.6	900	
Ba	137	159	He	709.948	ug/l	1.1	18000	
Tl	205	159	He	1.173	ug/l	2.9	900	
(Pb)	206	209	He	48621.851	ug/l	1.0		
(Pb)	207	209	He	47659.170	ug/l	1.1		
Pb	208	209	He	47954.860	ug/l	0.6	18000	>LDR 200.8□>LDR 6020B

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5198446.07	1.4	98.0	70	120	
Sc (ISICPMS)	45	No Gas	11916521.49	1.4	99.8	70	120	
Sc (ISICPMS)	45	H2	3215964.01	0.3	94.5	70	120	
Sc (ISICPMS)	45	He	140372.44	0.5	96.2	70	120	
Ge (IS)	74	H2	659173.25	0.4	93.9	70	120	
Ge (IS)	74	He	75855.39	1.2	97.4	70	120	
Kr	83	He	123.46	40.0	3700.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	189951.28	0.6	98.5	70	120	
Tb (IS)	159	He	998454.22	1.8	106.1	70	120	
Bi (IS)	209	He	1032316.30	1.1	136.9	70	120	fail

Sample Report

File Name 096SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:31:30

Sample Name **460-300326-B-7-G**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.273	ug/l	2.6	1800	
B	11	6	No Gas	35.986	ug/l	0.8	1800	
Na	23	45	He	1241.727	ug/l	0.8	450000	
Mg	24	45	He	32996.452	ug/l	0.7	450000	
Al	27	45	He	95598.389	ug/l	0.7	450000	
K	39	45	He	11028.477	ug/l	0.6	450000	
Ca	40	45	H2	71961.768	ug/l	0.4	900000	
Ti	47	45	No Gas	5606.307	ug/l	0.5	9000	
V	51	74	He	218.913	ug/l	1.0	4500	
Cr	52	74	He	190.823	ug/l	1.8	18000	
Mn	55	74	He	2948.127	ug/l	0.9	18000	
Fe	56	74	H2	153687.530	ug/l	0.7	450000	
Co	59	74	He	58.530	ug/l	1.5	1800	
Ni	60	74	He	129.477	ug/l	1.5	18000	
Cu	63	74	He	700.956	ug/l	0.9	18000	
Zn	66	74	He	806.818	ug/l	0.7	18000	
As	75	74	He	33.318	ug/l	2.4	4500	
Se	78	74	H2	5.260	ug/l	6.0	2700	
Sr	88	115	He	316.124	ug/l	0.1	4500	
Mo	95	115	He	6.544	ug/l	1.3	1800	
Ag	107	115	He	75.901	ug/l	0.9	900	
Cd	111	115	He	1.528	ug/l	6.8	4500	
Sn	118	115	He	75.820	ug/l	1.4	1800	
Sb	121	115	He	6.678	ug/l	2.2	900	
Ba	137	159	He	679.886	ug/l	0.8	18000	
Tl	205	159	He	1.070	ug/l	1.0	900	
(Pb)	206	209	He	11922.264	ug/l	0.6		
(Pb)	207	209	He	11478.641	ug/l	1.2		
Pb	208	209	He	11704.844	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5319408.15	0.5	100.3	70	120	
Sc (ISICPMS)	45	No Gas	12118581.35	0.9	101.5	70	120	
Sc (ISICPMS)	45	H2	3239076.27	0.4	95.2	70	120	
Sc (ISICPMS)	45	He	140917.62	0.3	96.6	70	120	
Ge (IS)	74	H2	668567.25	0.3	95.2	70	120	
Ge (IS)	74	He	76379.17	1.3	98.1	70	120	
Kr	83	He	100.10	17.3	3000.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192359.34	0.7	99.7	70	120	
Tb (IS)	159	He	1023187.96	0.8	108.7	70	120	
Bi (IS)	209	He	823288.83	0.6	109.1	70	120	

Sample Report

File Name 097SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:33:48

Sample Name **460-300326-B-7-G SD@5**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.670	ug/l	4.4	1800	
B	11	6	No Gas	9.468	ug/l	1.0	1800	
Na	23	45	He	281.361	ug/l	3.4	450000	
Mg	24	45	He	6864.339	ug/l	1.3	450000	
Al	27	45	He	19838.824	ug/l	0.7	450000	
K	39	45	He	2279.124	ug/l	1.2	450000	
Ca	40	45	H2	14710.902	ug/l	2.4	900000	
Ti	47	45	No Gas	1151.825	ug/l	1.8	9000	
V	51	74	He	42.969	ug/l	0.4	4500	
Cr	52	74	He	37.517	ug/l	2.3	18000	
Mn	55	74	He	589.702	ug/l	1.6	18000	
Fe	56	74	H2	31134.414	ug/l	1.5	450000	
Co	59	74	He	11.836	ug/l	3.2	1800	
Ni	60	74	He	26.774	ug/l	3.3	18000	
Cu	63	74	He	145.217	ug/l	1.0	18000	
Zn	66	74	He	166.158	ug/l	1.6	18000	
As	75	74	He	6.596	ug/l	5.6	4500	
Se	78	74	H2	1.230	ug/l	5.2	2700	
Sr	88	115	He	61.542	ug/l	1.0	4500	
Mo	95	115	He	1.305	ug/l	5.1	1800	
Ag	107	115	He	15.227	ug/l	1.5	900	
Cd	111	115	He	0.318	ug/l	17.6	4500	
Sn	118	115	He	12.782	ug/l	1.2	1800	
Sb	121	115	He	1.430	ug/l	1.4	900	
Ba	137	159	He	137.507	ug/l	1.3	18000	
Tl	205	159	He	0.132	ug/l	4.7	900	
(Pb)	206	209	He	2562.206	ug/l	1.4		
(Pb)	207	209	He	2467.592	ug/l	0.5		
Pb	208	209	He	2497.169	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5160915.72	0.7	97.3	70	120	
Sc (ISICPMS)	45	No Gas	11391534.97	1.2	95.4	70	120	
Sc (ISICPMS)	45	H2	2973897.87	0.8	87.4	70	120	
Sc (ISICPMS)	45	He	129119.89	0.4	88.5	70	120	
Ge (IS)	74	H2	643729.50	1.5	91.7	70	120	
Ge (IS)	74	He	73314.96	0.9	94.1	70	120	
Kr	83	He	20.02	NaN	600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191283.13	0.5	99.2	70	120	
Tb (IS)	159	He	1001666.67	0.8	106.4	70	120	
Bi (IS)	209	He	801734.59	0.8	106.3	70	120	

Sample Report

File Name 098SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:36:06

Sample Name **460-300324-E-26-C**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.772	ug/l	0.9	1800	
B	11	6	No Gas	430.940	ug/l	2.1	1800	
Na	23	45	He	11205.092	ug/l	0.5	450000	
Mg	24	45	He	72702.182	ug/l	0.7	450000	
Al	27	45	He	85544.095	ug/l	0.8	450000	
K	39	45	He	22614.696	ug/l	0.9	450000	
Ca	40	45	H2	768319.477	ug/l	0.7	900000	
Ti	47	45	No Gas	4165.624	ug/l	1.5	9000	
V	51	74	He	194.739	ug/l	0.7	4500	
Cr	52	74	He	160.543	ug/l	0.8	18000	
Mn	55	74	He	1730.256	ug/l	1.4	18000	
Fe	56	74	H2	141152.235	ug/l	0.3	450000	
Co	59	74	He	53.977	ug/l	0.9	1800	
Ni	60	74	He	87.049	ug/l	1.3	18000	
Cu	63	74	He	620.368	ug/l	0.6	18000	
Zn	66	74	He	772.732	ug/l	0.7	18000	
As	75	74	He	50.409	ug/l	3.4	4500	
Se	78	74	H2	0.985	ug/l	15.6	2700	
Sr	88	115	He	1214.197	ug/l	0.8	4500	
Mo	95	115	He	6.584	ug/l	2.4	1800	
Ag	107	115	He	0.939	ug/l	3.3	900	
Cd	111	115	He	1.120	ug/l	6.8	4500	
Sn	118	115	He	2259.935	ug/l	0.5	1800	>LDR 200.8□>LDR 6020B
Sb	121	115	He	55.096	ug/l	0.4	900	
Ba	137	159	He	459.327	ug/l	1.0	18000	
Tl	205	159	He	0.292	ug/l	0.3	900	
(Pb)	206	209	He	2930.628	ug/l	2.1		
(Pb)	207	209	He	2873.091	ug/l	0.2		
Pb	208	209	He	2888.065	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4892560.97	1.8	92.3	70	120	
Sc (ISICPMS)	45	No Gas	11101251.92	0.7	92.9	70	120	
Sc (ISICPMS)	45	H2	2948912.28	0.9	86.7	70	120	
Sc (ISICPMS)	45	He	127148.93	0.7	87.1	70	120	
Ge (IS)	74	H2	599543.23	1.4	85.4	70	120	
Ge (IS)	74	He	69427.66	1.0	89.1	70	120	
Kr	83	He	216.89	18.7	6500.3			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	178311.06	1.2	92.4	70	120	
Tb (IS)	159	He	988897.09	0.2	105.1	70	120	
Bi (IS)	209	He	725951.92	0.2	96.2	70	120	

Sample Report

File Name 099SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:38:25

Sample Name **460-300324-E-27-C**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.013	ug/l	0.9	1800	
B	11	6	No Gas	115.537	ug/l	1.6	1800	
Na	23	45	He	7686.963	ug/l	0.8	450000	
Mg	24	45	He	68742.037	ug/l	0.5	450000	
Al	27	45	He	86065.340	ug/l	0.7	450000	
K	39	45	He	26177.139	ug/l	0.8	450000	
Ca	40	45	H2	953757.205	ug/l	0.9	900000	>LDR 200.8
Ti	47	45	No Gas	8191.660	ug/l	1.6	9000	
V	51	74	He	257.485	ug/l	1.9	4500	
Cr	52	74	He	304.828	ug/l	1.6	18000	
Mn	55	74	He	2056.650	ug/l	1.8	18000	
Fe	56	74	H2	158037.845	ug/l	0.9	450000	
Co	59	74	He	61.444	ug/l	1.4	1800	
Ni	60	74	He	136.514	ug/l	1.4	18000	
Cu	63	74	He	178.251	ug/l	0.8	18000	
Zn	66	74	He	328.480	ug/l	1.4	18000	
As	75	74	He	37.062	ug/l	1.3	4500	
Se	78	74	H2	0.973	ug/l	26.0	2700	
Sr	88	115	He	2294.617	ug/l	2.0	4500	
Mo	95	115	He	8.938	ug/l	2.7	1800	
Ag	107	115	He	0.280	ug/l	9.2	900	
Cd	111	115	He	0.624	ug/l	9.0	4500	
Sn	118	115	He	16.634	ug/l	3.2	1800	
Sb	121	115	He	0.816	ug/l	0.8	900	
Ba	137	159	He	2269.986	ug/l	0.3	18000	
Tl	205	159	He	0.567	ug/l	3.5	900	
(Pb)	206	209	He	60.782	ug/l	0.1		
(Pb)	207	209	He	56.321	ug/l	0.6		
Pb	208	209	He	58.203	ug/l	0.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4992380.58	0.6	94.2	70	120	
Sc (ISICPMS)	45	No Gas	11219304.00	1.1	93.9	70	120	
Sc (ISICPMS)	45	H2	2983910.83	0.3	87.7	70	120	
Sc (ISICPMS)	45	He	127461.51	1.2	87.4	70	120	
Ge (IS)	74	H2	601846.25	0.7	85.7	70	120	
Ge (IS)	74	He	68535.59	1.5	88.0	70	120	
Kr	83	He	133.47	24.1	4000.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	177953.02	1.8	92.3	70	120	
Tb (IS)	159	He	959838.60	0.8	102.0	70	120	
Bi (IS)	209	He	711025.90	0.7	94.3	70	120	

Sample Report

File Name 100SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:40:46

Sample Name **460-300324-E-28-C**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.890	ug/l	0.5	1800	
B	11	6	No Gas	94.065	ug/l	2.1	1800	
Na	23	45	He	7919.633	ug/l	0.5	450000	
Mg	24	45	He	63561.967	ug/l	0.2	450000	
Al	27	45	He	61739.693	ug/l	0.3	450000	
K	39	45	He	19099.139	ug/l	0.4	450000	
Ca	40	45	H2	777405.861	ug/l	0.4	900000	
Ti	47	45	No Gas	4721.112	ug/l	1.6	9000	
V	51	74	He	221.246	ug/l	1.3	4500	
Cr	52	74	He	188.594	ug/l	1.2	18000	
Mn	55	74	He	1672.779	ug/l	1.1	18000	
Fe	56	74	H2	148767.393	ug/l	1.1	450000	
Co	59	74	He	49.114	ug/l	0.9	1800	
Ni	60	74	He	95.086	ug/l	2.3	18000	
Cu	63	74	He	335.322	ug/l	1.5	18000	
Zn	66	74	He	492.429	ug/l	1.4	18000	
As	75	74	He	38.576	ug/l	2.2	4500	
Se	78	74	H2	1.467	ug/l	6.6	2700	
Sr	88	115	He	1651.132	ug/l	0.6	4500	
Mo	95	115	He	6.157	ug/l	1.0	1800	
Ag	107	115	He	0.313	ug/l	5.1	900	
Cd	111	115	He	1.640	ug/l	2.7	4500	
Sn	118	115	He	17.536	ug/l	1.3	1800	
Sb	121	115	He	0.542	ug/l	11.6	900	
Ba	137	159	He	498.504	ug/l	0.1	18000	
Tl	205	159	He	0.210	ug/l	4.8	900	
(Pb)	206	209	He	29.378	ug/l	1.1		
(Pb)	207	209	He	26.156	ug/l	1.7		
Pb	208	209	He	27.888	ug/l	0.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5103899.58	0.2	96.3	70	120	
Sc (ISICPMS)	45	No Gas	11214778.03	0.4	93.9	70	120	
Sc (ISICPMS)	45	H2	2962388.12	0.4	87.1	70	120	
Sc (ISICPMS)	45	He	127176.87	0.6	87.2	70	120	
Ge (IS)	74	H2	604101.32	0.7	86.1	70	120	
Ge (IS)	74	He	69059.09	1.2	88.7	70	120	
Kr	83	He	243.59	29.2	7300.3			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	177983.39	0.4	92.3	70	120	
Tb (IS)	159	He	986129.55	0.5	104.8	70	120	
Bi (IS)	209	He	721924.59	1.0	95.7	70	120	

Continuing Calibration Verification (CCV)

File Name 101_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:43:06

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	99.254	ug/l	1.3	100	90	110	
B	11	6	No Gas	231.674	ug/l	3.5	250	225	275	
Na	23	45	He	26414.795	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25887.959	ug/l	0.6	25000	22500	27500	
Al	27	45	He	25710.853	ug/l	0.9	25000	22500	27500	
K	39	45	He	24617.807	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25460.782	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	99.256	ug/l	2.6	100	90	110	
V	51	74	He	97.086	ug/l	0.2	100	90	110	
Cr	52	74	He	96.937	ug/l	0.5	100	90	110	
Mn	55	74	He	97.380	ug/l	0.8	100	90	110	
Fe	56	74	H2	25111.715	ug/l	2.4	25000	22500	27500	
Co	59	74	He	99.809	ug/l	0.4	100	90	110	
Ni	60	74	He	99.770	ug/l	0.7	100	90	110	
Cu	63	74	He	101.208	ug/l	0.6	100	90	110	
Zn	66	74	He	245.232	ug/l	0.6	250	225	275	
As	75	74	He	98.877	ug/l	1.1	100	90	110	
Se	78	74	H2	103.235	ug/l	0.6	100	90	110	
Sr	88	115	He	92.899	ug/l	1.3	100	90	110	
Mo	95	115	He	98.842	ug/l	0.4	100	90	110	
Ag	107	115	He	50.554	ug/l	0.9	50	45	55	
Cd	111	115	He	99.604	ug/l	0.2	100	90	110	
Sn	118	115	He	100.058	ug/l	1.8	100	90	110	
Sb	121	115	He	103.483	ug/l	1.7	100	90	110	
Ba	137	159	He	95.578	ug/l	1.6	100	90	110	
Tl	205	159	He	101.660	ug/l	0.7	100	90	110	
(Pb)	206	209	He	101.459	ug/l	0.6				
(Pb)	207	209	He	101.234	ug/l	1.7				
Pb	208	209	He	101.330	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5369588.60	1.3	101.3	70	120	
Sc (ISICPMS)	45	No Gas	11273719.55	0.8	94.4	70	120	
Sc (ISICPMS)	45	H2	2934788.81	1.2	86.3	70	120	
Sc (ISICPMS)	45	He	126122.53	0.7	86.4	70	120	
Ge (IS)	74	H2	636746.59	1.2	90.7	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	71235.85	0.2	91.5	70	120	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	186776.62	0.6	96.8	70	120	
Tb (IS)	159	He	977793.35	0.8	103.9	70	120	
Bi (IS)	209	He	769597.28	0.9	102.0	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 102_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:45:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.015	ug/l	27.1	0.8	-0.8	0.8	
B	11	6	No Gas	3.536	ug/l	2.3	80	-80	80	
Na	23	45	He	24.297	ug/l	9.3	500	-500	500	
Mg	24	45	He	3.671	ug/l	6.2	200	-200	200	
Al	27	45	He	3.677	ug/l	19.7	40	-40	40	
K	39	45	He	-1.843	ug/l	N/A	200	-200	200	
Ca	40	45	H2	29.304	ug/l	3.0	500	-500	500	
Ti	47	45	No Gas	1.171	ug/l	5.2	4	-4	4	
V	51	74	He	-0.148	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.096	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.017	ug/l	383.3	8	-8	8	
Fe	56	74	H2	9.020	ug/l	3.3	120	-120	120	
Co	59	74	He	-0.005	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.078	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.029	ug/l	27.0	4	-4	4	
Zn	66	74	He	0.391	ug/l	38.7	16	-16	16	
As	75	74	He	0.026	ug/l	225.8	2	-2	2	
Se	78	74	H2	0.205	ug/l	25.1	2.5	-2.5	2.5	
Sr	88	115	He	0.018	ug/l	142.5	4	-4	4	
Mo	95	115	He	0.120	ug/l	29.7	4	-4	4	
Ag	107	115	He	0.002	ug/l	74.9	2	-2	2	
Cd	111	115	He	0.008	ug/l	149.4	2	-2	2	
Sn	118	115	He	-2.240	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.042	ug/l	49.9	2	-2	2	
Ba	137	159	He	-0.026	ug/l	N/A	4	-4	4	
Tl	205	159	He	0.001	ug/l	422.3	0.8	-0.8	0.8	
(Pb)	206	209	He	0.279	ug/l	5.0				
(Pb)	207	209	He	0.267	ug/l	5.3				
Pb	208	209	He	0.285	ug/l	6.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5338291.93	0.4	100.7	70	120	
Sc (ISICPMS)	45	No Gas	11304901.78	1.6	94.6	70	120	
Sc (ISICPMS)	45	H2	2931742.56	0.8	86.2	70	120	
Sc (ISICPMS)	45	He	128750.02	0.8	88.2	70	120	
Ge (IS)	74	H2	616840.29	0.3	87.9	70	120	
Ge (IS)	74	He	70428.81	1.8	90.4	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	190603.10	0.9	98.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	978557.56	1.0	104.0	70	120	
Bi (IS)	209	He	788432.76	0.8	104.5	70	120	

Sample Report

File Name 103SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:47:46

Sample Name **460-300324-E-29-B**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.397	ug/l	5.2	1800	
B	11	6	No Gas	133.561	ug/l	1.2	1800	
Na	23	45	He	8425.426	ug/l	0.2	450000	
Mg	24	45	He	87711.388	ug/l	0.4	450000	
Al	27	45	He	82904.345	ug/l	0.4	450000	
K	39	45	He	26149.350	ug/l	0.5	450000	
Ca	40	45	H2	931845.243	ug/l	1.0	900000	>LDR 200.8
Ti	47	45	No Gas	5448.356	ug/l	1.3	9000	
V	51	74	He	263.144	ug/l	0.7	4500	
Cr	52	74	He	211.876	ug/l	0.9	18000	
Mn	55	74	He	1965.943	ug/l	0.4	18000	
Fe	56	74	H2	167762.990	ug/l	1.0	450000	
Co	59	74	He	76.192	ug/l	0.6	1800	
Ni	60	74	He	112.022	ug/l	0.9	18000	
Cu	63	74	He	227.317	ug/l	1.1	18000	
Zn	66	74	He	279.869	ug/l	0.3	18000	
As	75	74	He	30.427	ug/l	1.8	4500	
Se	78	74	H2	1.123	ug/l	8.4	2700	
Sr	88	115	He	3151.167	ug/l	0.8	4500	
Mo	95	115	He	8.251	ug/l	2.9	1800	
Ag	107	115	He	0.399	ug/l	4.1	900	
Cd	111	115	He	0.735	ug/l	12.3	4500	
Sn	118	115	He	16.187	ug/l	1.6	1800	
Sb	121	115	He	0.665	ug/l	2.7	900	
Ba	137	159	He	539.098	ug/l	0.2	18000	
Tl	205	159	He	0.356	ug/l	2.7	900	
(Pb)	206	209	He	30.957	ug/l	0.3		
(Pb)	207	209	He	27.989	ug/l	1.2		
Pb	208	209	He	30.028	ug/l	0.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5039960.62	0.6	95.1	70	120	
Sc (ISICPMS)	45	No Gas	11243342.19	0.9	94.1	70	120	
Sc (ISICPMS)	45	H2	2959576.86	0.9	87.0	70	120	
Sc (ISICPMS)	45	He	128055.59	0.1	87.8	70	120	
Ge (IS)	74	H2	593781.27	0.2	84.6	70	120	
Ge (IS)	74	He	68576.89	0.5	88.1	70	120	
Kr	83	He	150.15	6.7	4500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	175614.69	0.2	91.0	70	120	
Tb (IS)	159	He	951621.50	0.5	101.1	70	120	
Bi (IS)	209	He	703148.72	0.4	93.2	70	120	

Sample Report

File Name 104SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:50:06

Sample Name **460-300324-E-30-B**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.331	ug/l	3.2	1800	
B	11	6	No Gas	113.613	ug/l	1.8	1800	
Na	23	45	He	7675.026	ug/l	0.8	450000	
Mg	24	45	He	87961.236	ug/l	0.2	450000	
Al	27	45	He	81159.531	ug/l	0.3	450000	
K	39	45	He	21364.940	ug/l	0.5	450000	
Ca	40	45	H2	859647.650	ug/l	1.8	900000	
Ti	47	45	No Gas	5198.706	ug/l	1.6	9000	
V	51	74	He	208.395	ug/l	0.2	4500	
Cr	52	74	He	215.146	ug/l	0.6	18000	
Mn	55	74	He	2315.113	ug/l	0.4	18000	
Fe	56	74	H2	141024.138	ug/l	0.3	450000	
Co	59	74	He	63.683	ug/l	0.8	1800	
Ni	60	74	He	109.646	ug/l	1.8	18000	
Cu	63	74	He	209.724	ug/l	1.7	18000	
Zn	66	74	He	226.884	ug/l	1.5	18000	
As	75	74	He	30.713	ug/l	4.1	4500	
Se	78	74	H2	1.066	ug/l	4.5	2700	
Sr	88	115	He	2820.547	ug/l	0.3	4500	
Mo	95	115	He	7.326	ug/l	2.9	1800	
Ag	107	115	He	0.314	ug/l	5.3	900	
Cd	111	115	He	0.584	ug/l	9.5	4500	
Sn	118	115	He	11.286	ug/l	1.2	1800	
Sb	121	115	He	0.443	ug/l	9.8	900	
Ba	137	159	He	479.164	ug/l	0.3	18000	
Tl	205	159	He	0.324	ug/l	4.4	900	
(Pb)	206	209	He	35.632	ug/l	0.5		
(Pb)	207	209	He	32.168	ug/l	1.6		
Pb	208	209	He	34.605	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5116595.82	0.9	96.5	70	120	
Sc (ISICPMS)	45	No Gas	11513375.80	1.1	96.4	70	120	
Sc (ISICPMS)	45	H2	2997343.60	0.6	88.1	70	120	
Sc (ISICPMS)	45	He	129909.03	0.7	89.0	70	120	
Ge (IS)	74	H2	606865.76	0.2	86.4	70	120	
Ge (IS)	74	He	69639.49	1.0	89.4	70	120	
Kr	83	He	83.42	36.7	2500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	178511.69	0.4	92.5	70	120	
Tb (IS)	159	He	954660.61	1.2	101.4	70	120	
Bi (IS)	209	He	720507.28	1.2	95.5	70	120	

Sample Report

File Name 105SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:52:26

Sample Name **460-300326-B-1-K**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	4.139	ug/l	1.7	1800	
B	11	6	No Gas	44.115	ug/l	3.0	1800	
Na	23	45	He	1699.215	ug/l	1.2	450000	
Mg	24	45	He	29454.141	ug/l	0.7	450000	
Al	27	45	He	91154.574	ug/l	0.6	450000	
K	39	45	He	20904.003	ug/l	0.4	450000	
Ca	40	45	H2	70296.275	ug/l	1.5	900000	
Ti	47	45	No Gas	6150.561	ug/l	1.2	9000	
V	51	74	He	211.490	ug/l	1.5	4500	
Cr	52	74	He	165.480	ug/l	0.4	18000	
Mn	55	74	He	2952.308	ug/l	0.6	18000	
Fe	56	74	H2	217601.074	ug/l	0.9	450000	
Co	59	74	He	123.758	ug/l	1.3	1800	
Ni	60	74	He	265.331	ug/l	0.7	18000	
Cu	63	74	He	273.493	ug/l	0.7	18000	
Zn	66	74	He	538.000	ug/l	0.8	18000	
As	75	74	He	50.141	ug/l	1.3	4500	
Se	78	74	H2	4.591	ug/l	3.1	2700	
Sr	88	115	He	516.848	ug/l	0.6	4500	
Mo	95	115	He	13.002	ug/l	1.7	1800	
Ag	107	115	He	0.442	ug/l	5.0	900	
Cd	111	115	He	0.750	ug/l	8.1	4500	
Sn	118	115	He	40.544	ug/l	2.3	1800	
Sb	121	115	He	1.089	ug/l	2.2	900	
Ba	137	159	He	664.628	ug/l	0.1	18000	
Tl	205	159	He	2.007	ug/l	3.0	900	
(Pb)	206	209	He	418.492	ug/l	1.8		
(Pb)	207	209	He	413.145	ug/l	0.8		
Pb	208	209	He	414.023	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5216379.33	1.4	98.4	70	120	
Sc (ISICPMS)	45	No Gas	12171089.12	0.9	101.9	70	120	
Sc (ISICPMS)	45	H2	3090144.64	0.6	90.8	70	120	
Sc (ISICPMS)	45	He	136822.61	1.0	93.8	70	120	
Ge (IS)	74	H2	636813.64	0.3	90.7	70	120	
Ge (IS)	74	He	74324.38	1.2	95.4	70	120	
Kr	83	He	153.49	18.8	4600.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	189982.18	0.2	98.5	70	120	
Tb (IS)	159	He	1003706.74	0.6	106.6	70	120	
Bi (IS)	209	He	760803.46	1.8	100.9	70	120	

Sample Report

File Name 106SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:54:47

Sample Name **460-300326-B-2-G**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	6.061	ug/l	2.3	1800	
B	11	6	No Gas	30.907	ug/l	0.7	1800	
Na	23	45	He	853.866	ug/l	1.1	450000	
Mg	24	45	He	32110.109	ug/l	0.2	450000	
Al	27	45	He	129889.724	ug/l	0.1	450000	
K	39	45	He	11973.486	ug/l	0.3	450000	
Ca	40	45	H2	14122.318	ug/l	1.2	900000	
Ti	47	45	No Gas	5697.945	ug/l	1.7	9000	
V	51	74	He	416.603	ug/l	1.0	4500	
Cr	52	74	He	276.984	ug/l	0.5	18000	
Mn	55	74	He	16603.107	ug/l	1.6	18000	
Fe	56	74	H2	294819.438	ug/l	0.3	450000	
Co	59	74	He	101.985	ug/l	0.7	1800	
Ni	60	74	He	192.556	ug/l	1.1	18000	
Cu	63	74	He	84.576	ug/l	0.6	18000	
Zn	66	74	He	438.845	ug/l	1.3	18000	
As	75	74	He	64.700	ug/l	2.5	4500	
Se	78	74	H2	3.247	ug/l	9.6	2700	
Sr	88	115	He	80.969	ug/l	0.8	4500	
Mo	95	115	He	20.411	ug/l	1.2	1800	
Ag	107	115	He	0.275	ug/l	6.9	900	
Cd	111	115	He	2.797	ug/l	1.5	4500	
Sn	118	115	He	14.569	ug/l	1.8	1800	
Sb	121	115	He	0.616	ug/l	13.1	900	
Ba	137	159	He	1119.777	ug/l	0.5	18000	
Tl	205	159	He	1.858	ug/l	1.0	900	
(Pb)	206	209	He	105.101	ug/l	0.4		
(Pb)	207	209	He	99.282	ug/l	1.0		
Pb	208	209	He	102.056	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5346596.83	1.9	100.8	70	120	
Sc (ISICPMS)	45	No Gas	13081563.55	0.4	109.5	70	120	
Sc (ISICPMS)	45	H2	3385084.36	0.6	99.5	70	120	
Sc (ISICPMS)	45	He	149904.79	0.5	102.7	70	120	
Ge (IS)	74	H2	674002.25	0.3	96.0	70	120	
Ge (IS)	74	He	78009.92	0.6	100.2	70	120	
Kr	83	He	166.84	9.2	5000.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	193608.59	0.2	100.4	70	120	
Tb (IS)	159	He	1031112.55	0.4	109.5	70	120	
Bi (IS)	209	He	764168.32	0.2	101.3	70	120	

Sample Report

File Name 107SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:57:06

Sample Name **460-300326-B-3-G**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.263	ug/l	2.9	1800	
B	11	6	No Gas	18.860	ug/l	1.2	1800	
Na	23	45	He	1690.464	ug/l	0.7	450000	
Mg	24	45	He	50198.556	ug/l	0.9	450000	
Al	27	45	He	106946.351	ug/l	1.4	450000	
K	39	45	He	27491.965	ug/l	0.7	450000	
Ca	40	45	H2	27314.176	ug/l	1.0	900000	
Ti	47	45	No Gas	10789.797	ug/l	1.8	9000	>LDR 200.8□>LDR 6020B
V	51	74	He	319.930	ug/l	1.2	4500	
Cr	52	74	He	368.474	ug/l	1.0	18000	
Mn	55	74	He	3805.647	ug/l	1.5	18000	
Fe	56	74	H2	207988.171	ug/l	1.3	450000	
Co	59	74	He	68.303	ug/l	1.0	1800	
Ni	60	74	He	190.453	ug/l	0.8	18000	
Cu	63	74	He	89.217	ug/l	0.1	18000	
Zn	66	74	He	550.580	ug/l	1.2	18000	
As	75	74	He	19.878	ug/l	3.5	4500	
Se	78	74	H2	1.842	ug/l	4.2	2700	
Sr	88	115	He	99.460	ug/l	0.3	4500	
Mo	95	115	He	8.350	ug/l	4.2	1800	
Ag	107	115	He	0.461	ug/l	1.6	900	
Cd	111	115	He	0.885	ug/l	6.9	4500	
Sn	118	115	He	12.767	ug/l	1.8	1800	
Sb	121	115	He	0.508	ug/l	21.5	900	
Ba	137	159	He	820.341	ug/l	1.1	18000	
Tl	205	159	He	1.462	ug/l	2.6	900	
(Pb)	206	209	He	33.162	ug/l	1.4		
(Pb)	207	209	He	31.680	ug/l	0.9		
Pb	208	209	He	33.009	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5308810.48	0.3	100.1	70	120	
Sc (ISICPMS)	45	No Gas	12850012.45	1.0	107.6	70	120	
Sc (ISICPMS)	45	H2	3321491.93	0.2	97.6	70	120	
Sc (ISICPMS)	45	He	147688.90	0.8	101.2	70	120	
Ge (IS)	74	H2	674801.99	0.6	96.1	70	120	
Ge (IS)	74	He	78094.71	1.4	100.3	70	120	
Kr	83	He	213.56	14.3	6400.3			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	193975.63	0.6	100.6	70	120	
Tb (IS)	159	He	1027406.69	0.5	109.1	70	120	
Bi (IS)	209	He	754641.50	0.8	100.0	70	120	

Sample Report

File Name 108SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 14:59:27

Sample Name **460-300326-B-4-G**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.199	ug/l	0.6	1800	
B	11	6	No Gas	19.941	ug/l	0.9	1800	
Na	23	45	He	1907.151	ug/l	0.6	450000	
Mg	24	45	He	49689.309	ug/l	0.7	450000	
Al	27	45	He	107361.086	ug/l	0.4	450000	
K	39	45	He	27965.294	ug/l	0.6	450000	
Ca	40	45	H2	36682.400	ug/l	0.4	900000	
Ti	47	45	No Gas	10152.516	ug/l	0.4	9000	>LDR 200.8□>LDR 6020B
V	51	74	He	327.453	ug/l	0.7	4500	
Cr	52	74	He	426.676	ug/l	1.4	18000	
Mn	55	74	He	3991.009	ug/l	1.4	18000	
Fe	56	74	H2	210376.425	ug/l	0.6	450000	
Co	59	74	He	87.037	ug/l	0.9	1800	
Ni	60	74	He	218.821	ug/l	1.1	18000	
Cu	63	74	He	172.894	ug/l	0.8	18000	
Zn	66	74	He	531.641	ug/l	1.2	18000	
As	75	74	He	23.370	ug/l	1.2	4500	
Se	78	74	H2	2.439	ug/l	10.6	2700	
Sr	88	115	He	154.347	ug/l	0.4	4500	
Mo	95	115	He	29.344	ug/l	1.8	1800	
Ag	107	115	He	0.465	ug/l	3.4	900	
Cd	111	115	He	0.855	ug/l	8.5	4500	
Sn	118	115	He	14.652	ug/l	0.8	1800	
Sb	121	115	He	0.591	ug/l	20.4	900	
Ba	137	159	He	917.330	ug/l	0.7	18000	
Tl	205	159	He	1.714	ug/l	1.6	900	
(Pb)	206	209	He	66.731	ug/l	1.0		
(Pb)	207	209	He	63.231	ug/l	0.6		
Pb	208	209	He	65.721	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5399887.63	0.8	101.8	70	120	
Sc (ISICPMS)	45	No Gas	12928242.58	0.7	108.2	70	120	
Sc (ISICPMS)	45	H2	3336926.03	0.3	98.1	70	120	
Sc (ISICPMS)	45	He	147683.19	1.2	101.2	70	120	
Ge (IS)	74	H2	672624.18	0.5	95.8	70	120	
Ge (IS)	74	He	77521.68	1.4	99.5	70	120	
Kr	83	He	246.92	20.0	7400.3			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192890.39	1.5	100.0	70	120	
Tb (IS)	159	He	1035423.60	1.2	110.0	70	120	
Bi (IS)	209	He	763023.54	0.9	101.2	70	120	

Sample Report

File Name 109SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:01:47

Sample Name **460-300326-B-5-G**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	2.670	ug/l	2.3	1800	
B	11	6	No Gas	57.037	ug/l	1.1	1800	
Na	23	45	He	1662.179	ug/l	0.9	450000	
Mg	24	45	He	26963.772	ug/l	0.6	450000	
Al	27	45	He	70895.339	ug/l	0.5	450000	
K	39	45	He	8368.441	ug/l	1.1	450000	
Ca	40	45	H2	76141.113	ug/l	1.8	900000	
Ti	47	45	No Gas	3815.487	ug/l	2.9	9000	
V	51	74	He	217.010	ug/l	0.6	4500	
Cr	52	74	He	179.630	ug/l	1.1	18000	
Mn	55	74	He	2327.981	ug/l	0.5	18000	
Fe	56	74	H2	141748.293	ug/l	1.8	450000	
Co	59	74	He	76.305	ug/l	0.5	1800	
Ni	60	74	He	119.785	ug/l	0.7	18000	
Cu	63	74	He	473.614	ug/l	0.6	18000	
Zn	66	74	He	1987.755	ug/l	1.3	18000	
As	75	74	He	43.598	ug/l	2.0	4500	
Se	78	74	H2	6.605	ug/l	4.3	2700	
Sr	88	115	He	260.898	ug/l	0.7	4500	
Mo	95	115	He	8.450	ug/l	2.3	1800	
Ag	107	115	He	3.134	ug/l	5.0	900	
Cd	111	115	He	4.413	ug/l	2.7	4500	
Sn	118	115	He	310.740	ug/l	0.6	1800	
Sb	121	115	He	31.681	ug/l	2.4	900	
Ba	137	159	He	1736.691	ug/l	0.3	18000	
Tl	205	159	He	1.085	ug/l	2.5	900	
(Pb)	206	209	He	16788.815	ug/l	1.2		
(Pb)	207	209	He	16243.316	ug/l	0.6		
Pb	208	209	He	16514.101	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5246972.84	1.3	99.0	70	120	
Sc (ISICPMS)	45	No Gas	12234380.79	1.2	102.4	70	120	
Sc (ISICPMS)	45	H2	3210589.12	0.3	94.4	70	120	
Sc (ISICPMS)	45	He	140330.63	0.4	96.2	70	120	
Ge (IS)	74	H2	668722.35	0.7	95.3	70	120	
Ge (IS)	74	He	76150.38	0.9	97.8	70	120	
Kr	83	He	96.76	11.9	2900.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	194822.72	1.2	101.0	70	120	
Tb (IS)	159	He	1019662.57	0.9	108.3	70	120	
Bi (IS)	209	He	824475.61	1.4	109.3	70	120	

Sample Report

File Name 110SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:04:05

Sample Name **460-300326-B-6-G**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	5.336	ug/l	0.3	1800	
B	11	6	No Gas	24.924	ug/l	0.8	1800	
Na	23	45	He	999.447	ug/l	0.3	450000	
Mg	24	45	He	84979.999	ug/l	0.6	450000	
Al	27	45	He	103952.754	ug/l	0.9	450000	
K	39	45	He	3933.531	ug/l	1.3	450000	
Ca	40	45	H2	870837.584	ug/l	1.1	900000	
Ti	47	45	No Gas	6155.240	ug/l	0.3	9000	
V	51	74	He	217.788	ug/l	0.7	4500	
Cr	52	74	He	164.127	ug/l	0.5	18000	
Mn	55	74	He	3057.095	ug/l	1.0	18000	
Fe	56	74	H2	171155.116	ug/l	0.7	450000	
Co	59	74	He	57.101	ug/l	1.2	1800	
Ni	60	74	He	119.741	ug/l	1.1	18000	
Cu	63	74	He	126.834	ug/l	0.1	18000	
Zn	66	74	He	230.453	ug/l	0.4	18000	
As	75	74	He	20.118	ug/l	0.7	4500	
Se	78	74	H2	1.782	ug/l	8.0	2700	
Sr	88	115	He	1342.616	ug/l	0.3	4500	
Mo	95	115	He	3.524	ug/l	2.0	1800	
Ag	107	115	He	0.135	ug/l	22.8	900	
Cd	111	115	He	0.510	ug/l	11.8	4500	
Sn	118	115	He	12.182	ug/l	1.4	1800	
Sb	121	115	He	0.202	ug/l	34.1	900	
Ba	137	159	He	183.525	ug/l	0.5	18000	
Tl	205	159	He	1.162	ug/l	0.9	900	
(Pb)	206	209	He	109.002	ug/l	0.7		
(Pb)	207	209	He	104.179	ug/l	0.7		
Pb	208	209	He	106.392	ug/l	0.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4999897.35	1.7	94.3	70	120	
Sc (ISICPMS)	45	No Gas	11714041.91	2.1	98.1	70	120	
Sc (ISICPMS)	45	H2	3071417.84	1.4	90.3	70	120	
Sc (ISICPMS)	45	He	130788.61	0.5	89.6	70	120	
Ge (IS)	74	H2	610775.89	1.0	87.0	70	120	
Ge (IS)	74	He	69642.89	0.9	89.4	70	120	
Kr	83	He	173.51	33.8	5200.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	178171.77	0.6	92.4	70	120	
Tb (IS)	159	He	972188.32	0.2	103.3	70	120	
Bi (IS)	209	He	710753.02	0.6	94.2	70	120	

Sample Report

File Name 111SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:06:25

Sample Name **460-300326-B-9-G**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.127	ug/l	1.8	1800	
B	11	6	No Gas	38.989	ug/l	2.2	1800	
Na	23	45	He	3005.274	ug/l	0.5	450000	
Mg	24	45	He	105345.563	ug/l	0.7	450000	
Al	27	45	He	101099.804	ug/l	0.5	450000	
K	39	45	He	22243.740	ug/l	0.6	450000	
Ca	40	45	H2	127200.518	ug/l	0.1	900000	
Ti	47	45	No Gas	8551.913	ug/l	1.3	9000	
V	51	74	He	273.277	ug/l	1.5	4500	
Cr	52	74	He	290.976	ug/l	0.9	18000	
Mn	55	74	He	2499.924	ug/l	0.8	18000	
Fe	56	74	H2	165066.591	ug/l	0.3	450000	
Co	59	74	He	64.565	ug/l	1.0	1800	
Ni	60	74	He	181.329	ug/l	2.0	18000	
Cu	63	74	He	201.456	ug/l	1.2	18000	
Zn	66	74	He	2728.739	ug/l	0.5	18000	
As	75	74	He	24.440	ug/l	2.2	4500	
Se	78	74	H2	1.989	ug/l	8.2	2700	
Sr	88	115	He	572.992	ug/l	0.5	4500	
Mo	95	115	He	35.177	ug/l	2.1	1800	
Ag	107	115	He	0.525	ug/l	1.9	900	
Cd	111	115	He	2.323	ug/l	8.8	4500	
Sn	118	115	He	16.200	ug/l	4.2	1800	
Sb	121	115	He	0.551	ug/l	10.4	900	
Ba	137	159	He	577.677	ug/l	0.9	18000	
Tl	205	159	He	1.623	ug/l	2.6	900	
(Pb)	206	209	He	238.288	ug/l	0.5		
(Pb)	207	209	He	236.406	ug/l	0.5		
Pb	208	209	He	236.510	ug/l	0.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5119661.07	0.7	96.6	70	120	
Sc (ISICPMS)	45	No Gas	12038287.88	1.0	100.8	70	120	
Sc (ISICPMS)	45	H2	3046267.39	0.4	89.6	70	120	
Sc (ISICPMS)	45	He	131521.86	0.6	90.1	70	120	
Ge (IS)	74	H2	625106.90	0.6	89.0	70	120	
Ge (IS)	74	He	71978.44	1.1	92.4	70	120	
Kr	83	He	156.83	31.5	4700.2			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181606.98	1.3	94.1	70	120	
Tb (IS)	159	He	1005595.49	0.9	106.8	70	120	
Bi (IS)	209	He	746288.01	0.8	98.9	70	120	

Sample Report

File Name 112SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:08:45

Sample Name **460-300326-B-10-G**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	2.848	ug/l	2.0	1800	
B	11	6	No Gas	28.052	ug/l	2.4	1800	
Na	23	45	He	1639.310	ug/l	0.6	450000	
Mg	24	45	He	78153.943	ug/l	0.4	450000	
Al	27	45	He	92363.159	ug/l	0.8	450000	
K	39	45	He	21333.416	ug/l	0.5	450000	
Ca	40	45	H2	58028.046	ug/l	1.0	900000	
Ti	47	45	No Gas	8286.102	ug/l	0.3	9000	
V	51	74	He	260.712	ug/l	0.7	4500	
Cr	52	74	He	208.095	ug/l	0.7	18000	
Mn	55	74	He	2265.504	ug/l	0.7	18000	
Fe	56	74	H2	158629.352	ug/l	1.0	450000	
Co	59	74	He	63.655	ug/l	0.3	1800	
Ni	60	74	He	169.203	ug/l	0.9	18000	
Cu	63	74	He	187.933	ug/l	0.4	18000	
Zn	66	74	He	847.545	ug/l	1.1	18000	
As	75	74	He	20.536	ug/l	2.3	4500	
Se	78	74	H2	1.772	ug/l	13.2	2700	
Sr	88	115	He	223.044	ug/l	1.6	4500	
Mo	95	115	He	6.405	ug/l	5.4	1800	
Ag	107	115	He	0.218	ug/l	13.0	900	
Cd	111	115	He	0.998	ug/l	7.2	4500	
Sn	118	115	He	14.746	ug/l	2.2	1800	
Sb	121	115	He	0.264	ug/l	15.5	900	
Ba	137	159	He	495.197	ug/l	0.3	18000	
Tl	205	159	He	1.709	ug/l	2.5	900	
(Pb)	206	209	He	98.513	ug/l	1.1		
(Pb)	207	209	He	94.482	ug/l	0.6		
Pb	208	209	He	96.691	ug/l	0.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5183434.68	0.6	97.8	70	120	
Sc (ISICPMS)	45	No Gas	12229408.29	1.0	102.4	70	120	
Sc (ISICPMS)	45	H2	3145627.35	0.7	92.5	70	120	
Sc (ISICPMS)	45	He	138364.10	0.7	94.8	70	120	
Ge (IS)	74	H2	644324.38	0.9	91.8	70	120	
Ge (IS)	74	He	74889.27	0.2	96.2	70	120	
Kr	83	He	173.51	8.8	5200.1			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	187907.30	0.5	97.4	70	120	
Tb (IS)	159	He	1020346.21	0.4	108.4	70	120	
Bi (IS)	209	He	757189.05	1.1	100.4	70	120	

Continuing Calibration Verification (CCV)

File Name 113_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:11:05

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	96.392	ug/l	1.7	100	90	110	
B	11	6	No Gas	238.074	ug/l	0.1	250	225	275	
Na	23	45	He	26118.945	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25564.804	ug/l	0.5	25000	22500	27500	
Al	27	45	He	25058.457	ug/l	0.7	25000	22500	27500	
K	39	45	He	24478.995	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	25112.652	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	99.975	ug/l	2.4	100	90	110	
V	51	74	He	96.627	ug/l	1.3	100	90	110	
Cr	52	74	He	97.151	ug/l	1.2	100	90	110	
Mn	55	74	He	97.156	ug/l	1.9	100	90	110	
Fe	56	74	H2	25452.295	ug/l	0.5	25000	22500	27500	
Co	59	74	He	99.864	ug/l	1.8	100	90	110	
Ni	60	74	He	100.563	ug/l	2.0	100	90	110	
Cu	63	74	He	101.921	ug/l	0.9	100	90	110	
Zn	66	74	He	246.817	ug/l	1.9	250	225	275	
As	75	74	He	97.960	ug/l	2.9	100	90	110	
Se	78	74	H2	104.824	ug/l	1.8	100	90	110	
Sr	88	115	He	94.593	ug/l	0.7	100	90	110	
Mo	95	115	He	100.137	ug/l	1.5	100	90	110	
Ag	107	115	He	51.664	ug/l	0.4	50	45	55	
Cd	111	115	He	100.184	ug/l	1.4	100	90	110	
Sn	118	115	He	100.466	ug/l	0.5	100	90	110	
Sb	121	115	He	102.887	ug/l	1.1	100	90	110	
Ba	137	159	He	96.692	ug/l	1.0	100	90	110	
Tl	205	159	He	102.140	ug/l	0.7	100	90	110	
(Pb)	206	209	He	102.168	ug/l	1.2				
(Pb)	207	209	He	100.903	ug/l	0.3				
Pb	208	209	He	101.335	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5121828.47	1.5	96.6	70	120	
Sc (ISICPMS)	45	No Gas	11424300.39	0.8	95.6	70	120	
Sc (ISICPMS)	45	H2	2917918.95	0.8	85.8	70	120	
Sc (ISICPMS)	45	He	126763.67	0.4	86.9	70	120	
Ge (IS)	74	H2	633496.77	0.4	90.2	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	71872.39	1.3	92.3	70	120	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	186330.71	0.5	96.6	70	120	
Tb (IS)	159	He	971020.54	0.2	103.2	70	120	
Bi (IS)	209	He	766020.41	0.8	101.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 114_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:13:24

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.010	ug/l	40.3	0.8	-0.8	0.8	
B	11	6	No Gas	2.582	ug/l	5.8	80	-80	80	
Na	23	45	He	13.847	ug/l	34.2	500	-500	500	
Mg	24	45	He	4.055	ug/l	18.6	200	-200	200	
Al	27	45	He	4.703	ug/l	56.1	40	-40	40	
K	39	45	He	-4.604	ug/l	N/A	200	-200	200	
Ca	40	45	H2	11.227	ug/l	3.0	500	-500	500	
Ti	47	45	No Gas	1.500	ug/l	2.2	4	-4	4	
V	51	74	He	-0.188	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.335	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.011	ug/l	285.8	8	-8	8	
Fe	56	74	H2	10.656	ug/l	3.3	120	-120	120	
Co	59	74	He	-0.004	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.110	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.012	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.476	ug/l	81.7	16	-16	16	
As	75	74	He	0.142	ug/l	48.9	2	-2	2	
Se	78	74	H2	0.217	ug/l	20.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.001	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.137	ug/l	18.8	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.004	ug/l	172.8	2	-2	2	
Sn	118	115	He	-2.583	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.029	ug/l	39.9	2	-2	2	
Ba	137	159	He	0.006	ug/l	281.8	4	-4	4	
Tl	205	159	He	0.008	ug/l	80.1	0.8	-0.8	0.8	
(Pb)	206	209	He	0.119	ug/l	14.4				
(Pb)	207	209	He	0.103	ug/l	12.9				
Pb	208	209	He	0.127	ug/l	3.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5171402.98	0.9	97.5	70	120	
Sc (ISICPMS)	45	No Gas	11623999.55	1.0	97.3	70	120	
Sc (ISICPMS)	45	H2	2960768.46	1.1	87.0	70	120	
Sc (ISICPMS)	45	He	129729.58	0.5	88.9	70	120	
Ge (IS)	74	H2	621942.65	0.8	88.6	70	120	
Ge (IS)	74	He	71738.43	0.9	92.1	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	190359.98	0.9	98.7	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	973294.87	1.1	103.4	70	120	
Bi (IS)	209	He	789163.77	0.8	104.6	70	120	

Sample Report

File Name 115SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:15:46

Sample Name **460-300326-B-11-K**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	3.499	ug/l	3.7	1800	
B	11	6	No Gas	22.935	ug/l	1.2	1800	
Na	23	45	He	1982.147	ug/l	1.2	450000	
Mg	24	45	He	202679.869	ug/l	1.5	450000	
Al	27	45	He	63158.140	ug/l	1.2	450000	
K	39	45	He	18040.381	ug/l	0.9	450000	
Ca	40	45	H2	450998.375	ug/l	1.3	900000	
Ti	47	45	No Gas	7678.951	ug/l	2.3	9000	
V	51	74	He	179.307	ug/l	0.7	4500	
Cr	52	74	He	161.406	ug/l	1.3	18000	
Mn	55	74	He	2565.147	ug/l	1.0	18000	
Fe	56	74	H2	119937.238	ug/l	1.7	450000	
Co	59	74	He	41.604	ug/l	1.1	1800	
Ni	60	74	He	93.570	ug/l	0.6	18000	
Cu	63	74	He	99.445	ug/l	1.2	18000	
Zn	66	74	He	285.501	ug/l	1.2	18000	
As	75	74	He	9.758	ug/l	9.1	4500	
Se	78	74	H2	1.407	ug/l	8.6	2700	
Sr	88	115	He	343.639	ug/l	0.4	4500	
Mo	95	115	He	3.609	ug/l	4.7	1800	
Ag	107	115	He	0.202	ug/l	5.1	900	
Cd	111	115	He	0.460	ug/l	22.3	4500	
Sn	118	115	He	10.335	ug/l	3.2	1800	
Sb	121	115	He	0.097	ug/l	32.8	900	
Ba	137	159	He	372.015	ug/l	0.8	18000	
Tl	205	159	He	1.358	ug/l	1.9	900	
(Pb)	206	209	He	41.119	ug/l	0.9		
(Pb)	207	209	He	39.755	ug/l	0.6		
Pb	208	209	He	41.066	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5036750.31	1.0	95.0	70	120	
Sc (ISICPMS)	45	No Gas	11606300.52	0.4	97.2	70	120	
Sc (ISICPMS)	45	H2	2941832.07	0.6	86.5	70	120	
Sc (ISICPMS)	45	He	127480.51	1.1	87.4	70	120	
Ge (IS)	74	H2	598314.36	0.6	85.2	70	120	
Ge (IS)	74	He	69825.97	1.0	89.7	70	120	
Kr	83	He	116.78	32.5	3500.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	176096.14	0.4	91.3	70	120	
Tb (IS)	159	He	958962.30	1.2	101.9	70	120	
Bi (IS)	209	He	708067.75	0.6	93.9	70	120	

Sample Report

File Name 116SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:18:05

Sample Name **MB 460-965324/1-A**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.003	ug/l	N/A	1800	
B	11	6	No Gas	1.326	ug/l	2.3	1800	
Na	23	45	He	45.024	ug/l	4.7	450000	
Mg	24	45	He	14.631	ug/l	6.6	450000	
Al	27	45	He	5.157	ug/l	18.9	450000	
K	39	45	He	1.220	ug/l	421.2	450000	
Ca	40	45	H2	38.556	ug/l	4.7	900000	
Ti	47	45	No Gas	2.038	ug/l	3.9	9000	
V	51	74	He	-0.073	ug/l	N/A	4500	
Cr	52	74	He	-0.430	ug/l	N/A	18000	
Mn	55	74	He	0.200	ug/l	33.8	18000	
Fe	56	74	H2	20.060	ug/l	2.1	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	0.081	ug/l	80.5	18000	
Cu	63	74	He	0.321	ug/l	6.3	18000	
Zn	66	74	He	1.007	ug/l	12.9	18000	
As	75	74	He	-0.053	ug/l	N/A	4500	
Se	78	74	H2	0.047	ug/l	124.8	2700	
Sr	88	115	He	-0.002	ug/l	N/A	4500	
Mo	95	115	He	0.069	ug/l	47.5	1800	
Ag	107	115	He	-0.003	ug/l	N/A	900	
Cd	111	115	He	0.004	ug/l	342.2	4500	
Sn	118	115	He	-2.712	ug/l	N/A	1800	
Sb	121	115	He	0.009	ug/l	238.4	900	
Ba	137	159	He	-0.022	ug/l	N/A	18000	
Tl	205	159	He	-0.116	ug/l	N/A	900	
(Pb)	206	209	He	0.061	ug/l	17.6		
(Pb)	207	209	He	0.064	ug/l	51.4		
Pb	208	209	He	0.067	ug/l	8.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5344026.14	0.7	100.8	70	120	
Sc (ISICPMS)	45	No Gas	11818475.10	0.8	98.9	70	120	
Sc (ISICPMS)	45	H2	2992314.02	0.3	88.0	70	120	
Sc (ISICPMS)	45	He	131185.49	1.1	89.9	70	120	
Ge (IS)	74	H2	627854.80	0.2	89.4	70	120	
Ge (IS)	74	He	71769.65	0.8	92.2	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191901.73	1.5	99.5	70	120	
Tb (IS)	159	He	981264.90	1.2	104.2	70	120	
Bi (IS)	209	He	787786.34	1.3	104.4	70	120	

Sample Report

File Name 117SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:20:27

Sample Name **LCS 460-965324/2-A**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.089	ug/l	1.4	1800	
B	11	6	No Gas	451.396	ug/l	1.7	1800	
Na	23	45	He	2632.468	ug/l	0.5	450000	
Mg	24	45	He	2542.189	ug/l	0.5	450000	
Al	27	45	He	2487.023	ug/l	0.8	450000	
K	39	45	He	2420.383	ug/l	0.2	450000	
Ca	40	45	H2	2483.467	ug/l	2.6	900000	
Ti	47	45	No Gas	47.135	ug/l	0.5	9000	
V	51	74	He	47.425	ug/l	1.3	4500	
Cr	52	74	He	47.365	ug/l	2.6	18000	
Mn	55	74	He	237.401	ug/l	0.6	18000	
Fe	56	74	H2	2651.656	ug/l	2.2	450000	
Co	59	74	He	24.434	ug/l	0.6	1800	
Ni	60	74	He	49.943	ug/l	1.4	18000	
Cu	63	74	He	50.891	ug/l	0.4	18000	
Zn	66	74	He	244.969	ug/l	0.7	18000	
As	75	74	He	47.076	ug/l	0.5	4500	
Se	78	74	H2	49.290	ug/l	1.3	2700	
Sr	88	115	He	45.781	ug/l	2.4	4500	
Mo	95	115	He	47.241	ug/l	1.9	1800	
Ag	107	115	He	25.002	ug/l	0.4	900	
Cd	111	115	He	24.936	ug/l	1.5	4500	
Sn	118	115	He	48.057	ug/l	0.6	1800	
Sb	121	115	He	25.693	ug/l	2.1	900	
Ba	137	159	He	46.767	ug/l	1.3	18000	
Tl	205	159	He	19.804	ug/l	1.0	900	
(Pb)	206	209	He	24.701	ug/l	0.7		
(Pb)	207	209	He	24.029	ug/l	0.6		
Pb	208	209	He	24.384	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5358957.45	0.5	101.1	70	120	
Sc (ISICPMS)	45	No Gas	11789417.18	0.8	98.7	70	120	
Sc (ISICPMS)	45	H2	2996948.57	1.5	88.1	70	120	
Sc (ISICPMS)	45	He	130874.89	1.1	89.7	70	120	
Ge (IS)	74	H2	640012.72	1.0	91.2	70	120	
Ge (IS)	74	He	72825.93	0.5	93.5	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	191652.55	0.5	99.4	70	120	
Tb (IS)	159	He	986942.43	0.7	104.8	70	120	
Bi (IS)	209	He	794095.86	0.8	105.3	70	120	

Sample Report

File Name 118SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:22:46

Sample Name **460-300349-J-1-A PDS**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	24.057	ug/l	2.2	1800	
B	11	6	No Gas	1285.162	ug/l	0.7	1800	
Na	23	45	He	106963.133	ug/l	1.3	450000	
Mg	24	45	He	20895.094	ug/l	0.7	450000	
Al	27	45	He	2485.837	ug/l	1.8	450000	
K	39	45	He	24833.544	ug/l	0.7	450000	
Ca	40	45	H2	211867.627	ug/l	1.8	900000	
Ti	47	45	No Gas	52.037	ug/l	2.4	9000	
V	51	74	He	48.046	ug/l	1.7	4500	
Cr	52	74	He	46.755	ug/l	1.0	18000	
Mn	55	74	He	932.430	ug/l	0.8	18000	
Fe	56	74	H2	4194.816	ug/l	3.2	450000	
Co	59	74	He	32.349	ug/l	2.0	1800	
Ni	60	74	He	53.728	ug/l	2.1	18000	
Cu	63	74	He	53.421	ug/l	0.9	18000	
Zn	66	74	He	384.331	ug/l	1.0	18000	
As	75	74	He	52.613	ug/l	2.1	4500	
Se	78	74	H2	49.820	ug/l	3.0	2700	
Sr	88	115	He	2508.162	ug/l	0.7	4500	
Mo	95	115	He	55.523	ug/l	0.2	1800	
Ag	107	115	He	24.324	ug/l	2.2	900	
Cd	111	115	He	24.861	ug/l	0.7	4500	
Sn	118	115	He	48.199	ug/l	0.4	1800	
Sb	121	115	He	26.923	ug/l	0.3	900	
Ba	137	159	He	105.606	ug/l	2.3	18000	
Tl	205	159	He	19.650	ug/l	1.7	900	
(Pb)	206	209	He	28.089	ug/l	1.7		
(Pb)	207	209	He	27.535	ug/l	0.6		
Pb	208	209	He	27.790	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5102019.23	0.7	96.2	70	120	
Sc (ISICPMS)	45	No Gas	11240182.75	0.7	94.1	70	120	
Sc (ISICPMS)	45	H2	2984817.77	0.8	87.7	70	120	
Sc (ISICPMS)	45	He	128292.21	1.2	87.9	70	120	
Ge (IS)	74	H2	645217.83	1.5	91.9	70	120	
Ge (IS)	74	He	72769.01	1.5	93.4	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185935.34	1.3	96.4	70	120	
Tb (IS)	159	He	968623.39	1.1	102.9	70	120	
Bi (IS)	209	He	748878.20	1.0	99.3	70	120	

Sample Report

File Name 119SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:25:07

Sample Name **460-300349-J-1-C MS**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	24.770	ug/l	2.1	1800	
B	11	6	No Gas	1336.776	ug/l	1.1	1800	
Na	23	45	He	107649.171	ug/l	0.5	450000	
Mg	24	45	He	20999.322	ug/l	0.8	450000	
Al	27	45	He	2558.544	ug/l	0.9	450000	
K	39	45	He	24796.687	ug/l	0.5	450000	
Ca	40	45	H2	213062.708	ug/l	2.0	900000	
Ti	47	45	No Gas	53.765	ug/l	0.8	9000	
V	51	74	He	48.710	ug/l	0.4	4500	
Cr	52	74	He	47.467	ug/l	2.1	18000	
Mn	55	74	He	929.626	ug/l	0.6	18000	
Fe	56	74	H2	4294.428	ug/l	3.4	450000	
Co	59	74	He	32.544	ug/l	0.9	1800	
Ni	60	74	He	54.160	ug/l	0.9	18000	
Cu	63	74	He	54.251	ug/l	0.6	18000	
Zn	66	74	He	390.223	ug/l	1.1	18000	
As	75	74	He	52.803	ug/l	0.9	4500	
Se	78	74	H2	51.627	ug/l	2.0	2700	
Sr	88	115	He	2507.077	ug/l	0.5	4500	
Mo	95	115	He	57.246	ug/l	1.7	1800	
Ag	107	115	He	25.121	ug/l	0.7	900	
Cd	111	115	He	25.533	ug/l	2.2	4500	
Sn	118	115	He	48.891	ug/l	0.6	1800	
Sb	121	115	He	28.362	ug/l	2.4	900	
Ba	137	159	He	107.309	ug/l	1.7	18000	
Tl	205	159	He	20.538	ug/l	0.4	900	
(Pb)	206	209	He	29.322	ug/l	1.0		
(Pb)	207	209	He	28.580	ug/l	0.9		
Pb	208	209	He	28.865	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5071419.02	0.7	95.6	70	120	
Sc (ISICPMS)	45	No Gas	11435443.30	1.0	95.7	70	120	
Sc (ISICPMS)	45	H2	2999667.84	0.3	88.2	70	120	
Sc (ISICPMS)	45	He	128658.33	1.3	88.2	70	120	
Ge (IS)	74	H2	648401.37	0.5	92.4	70	120	
Ge (IS)	74	He	73776.10	0.7	94.7	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188379.98	0.7	97.7	70	120	
Tb (IS)	159	He	979552.82	0.2	104.1	70	120	
Bi (IS)	209	He	759542.25	1.2	100.7	70	120	

Sample Report

File Name 120SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:27:27

Sample Name **460-300349-J-1-B DU**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.002	ug/l	329.0	1800	
B	11	6	No Gas	845.640	ug/l	0.8	1800	
Na	23	45	He	106452.307	ug/l	0.6	450000	
Mg	24	45	He	18873.907	ug/l	0.2	450000	
Al	27	45	He	15.134	ug/l	7.4	450000	
K	39	45	He	22703.593	ug/l	0.5	450000	
Ca	40	45	H2	213859.948	ug/l	2.8	900000	
Ti	47	45	No Gas	3.063	ug/l	2.1	9000	
V	51	74	He	0.098	ug/l	53.0	4500	
Cr	52	74	He	-0.656	ug/l	N/A	18000	
Mn	55	74	He	710.263	ug/l	0.4	18000	
Fe	56	74	H2	1840.787	ug/l	2.0	450000	
Co	59	74	He	8.424	ug/l	0.9	1800	
Ni	60	74	He	5.625	ug/l	1.4	18000	
Cu	63	74	He	5.458	ug/l	1.6	18000	
Zn	66	74	He	150.364	ug/l	1.2	18000	
As	75	74	He	3.379	ug/l	1.3	4500	
Se	78	74	H2	0.362	ug/l	27.4	2700	
Sr	88	115	He	2488.864	ug/l	0.5	4500	
Mo	95	115	He	6.891	ug/l	1.5	1800	
Ag	107	115	He	0.008	ug/l	93.6	900	
Cd	111	115	He	0.028	ug/l	49.5	4500	
Sn	118	115	He	-2.500	ug/l	N/A	1800	
Sb	121	115	He	0.192	ug/l	10.9	900	
Ba	137	159	He	58.852	ug/l	1.1	18000	
Tl	205	159	He	-0.084	ug/l	N/A	900	
(Pb)	206	209	He	2.910	ug/l	2.1		
(Pb)	207	209	He	2.719	ug/l	3.2		
Pb	208	209	He	2.835	ug/l	1.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4992161.42	0.7	94.2	70	120	
Sc (ISICPMS)	45	No Gas	11361489.14	1.1	95.1	70	120	
Sc (ISICPMS)	45	H2	2965058.25	1.3	87.2	70	120	
Sc (ISICPMS)	45	He	125864.99	0.3	86.3	70	120	
Ge (IS)	74	H2	640095.23	1.4	91.2	70	120	
Ge (IS)	74	He	72029.79	0.9	92.5	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185538.95	0.7	96.2	70	120	
Tb (IS)	159	He	973046.46	0.3	103.4	70	120	
Bi (IS)	209	He	748160.93	0.8	99.2	70	120	

Sample Report

File Name 121SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:29:47

Sample Name **460-300349-J-1-A**

Comment ---

Dilution **1.0000**

Vial # 3303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.002	ug/l	638.8	1800	
B	11	6	No Gas	810.822	ug/l	0.6	1800	
Na	23	45	He	104640.854	ug/l	0.4	450000	
Mg	24	45	He	18587.731	ug/l	0.2	450000	
Al	27	45	He	14.343	ug/l	5.8	450000	
K	39	45	He	22500.717	ug/l	0.2	450000	
Ca	40	45	H2	211320.275	ug/l	2.2	900000	
Ti	47	45	No Gas	2.827	ug/l	3.8	9000	
V	51	74	He	0.229	ug/l	43.6	4500	
Cr	52	74	He	-0.614	ug/l	N/A	18000	
Mn	55	74	He	705.896	ug/l	0.8	18000	
Fe	56	74	H2	1809.414	ug/l	3.0	450000	
Co	59	74	He	8.135	ug/l	1.8	1800	
Ni	60	74	He	5.720	ug/l	3.1	18000	
Cu	63	74	He	5.874	ug/l	2.2	18000	
Zn	66	74	He	146.353	ug/l	0.4	18000	
As	75	74	He	3.537	ug/l	7.5	4500	
Se	78	74	H2	0.218	ug/l	25.7	2700	
Sr	88	115	He	2461.360	ug/l	0.6	4500	
Mo	95	115	He	6.821	ug/l	1.1	1800	
Ag	107	115	He	0.009	ug/l	27.7	900	
Cd	111	115	He	0.033	ug/l	98.7	4500	
Sn	118	115	He	-2.692	ug/l	N/A	1800	
Sb	121	115	He	0.191	ug/l	23.7	900	
Ba	137	159	He	57.674	ug/l	1.0	18000	
Tl	205	159	He	-0.094	ug/l	N/A	900	
(Pb)	206	209	He	2.846	ug/l	1.7		
(Pb)	207	209	He	2.735	ug/l	2.1		
Pb	208	209	He	2.813	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5100924.27	0.9	96.2	70	120	
Sc (ISICPMS)	45	No Gas	11322377.47	1.0	94.8	70	120	
Sc (ISICPMS)	45	H2	2941153.32	0.3	86.5	70	120	
Sc (ISICPMS)	45	He	125170.43	0.2	85.8	70	120	
Ge (IS)	74	H2	636497.92	0.7	90.7	70	120	
Ge (IS)	74	He	71296.32	1.0	91.5	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	183494.21	1.1	95.1	70	120	
Tb (IS)	159	He	967744.11	0.2	102.8	70	120	
Bi (IS)	209	He	755695.97	0.3	100.2	70	120	

Sample Report

File Name 122SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:32:07

Sample Name **460-300349-J-1-A SD@5**

Comment ---

Dilution **1.0000**

Vial # 3304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.006	ug/l	N/A	1800	
B	11	6	No Gas	167.456	ug/l	1.6	1800	
Na	23	45	He	21583.532	ug/l	0.4	450000	
Mg	24	45	He	3767.876	ug/l	0.7	450000	
Al	27	45	He	5.495	ug/l	43.4	450000	
K	39	45	He	4523.299	ug/l	0.9	450000	
Ca	40	45	H2	42976.049	ug/l	1.7	900000	
Ti	47	45	No Gas	1.907	ug/l	66.5	9000	
V	51	74	He	-0.063	ug/l	N/A	4500	
Cr	52	74	He	-0.662	ug/l	N/A	18000	
Mn	55	74	He	141.494	ug/l	1.4	18000	
Fe	56	74	H2	371.341	ug/l	1.8	450000	
Co	59	74	He	1.578	ug/l	4.0	1800	
Ni	60	74	He	1.304	ug/l	7.5	18000	
Cu	63	74	He	1.284	ug/l	1.2	18000	
Zn	66	74	He	30.668	ug/l	2.4	18000	
As	75	74	He	0.695	ug/l	10.8	4500	
Se	78	74	H2	0.089	ug/l	69.1	2700	
Sr	88	115	He	487.204	ug/l	1.8	4500	
Mo	95	115	He	1.456	ug/l	1.1	1800	
Ag	107	115	He	0.002	ug/l	440.3	900	
Cd	111	115	He	0.012	ug/l	57.2	4500	
Sn	118	115	He	-2.534	ug/l	N/A	1800	
Sb	121	115	He	0.036	ug/l	63.5	900	
Ba	137	159	He	12.013	ug/l	4.5	18000	
Tl	205	159	He	-0.111	ug/l	N/A	900	
(Pb)	206	209	He	0.661	ug/l	1.3		
(Pb)	207	209	He	0.600	ug/l	5.4		
Pb	208	209	He	0.618	ug/l	2.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5191714.54	0.6	97.9	70	120	
Sc (ISICPMS)	45	No Gas	11451085.11	0.9	95.9	70	120	
Sc (ISICPMS)	45	H2	2961593.60	0.4	87.1	70	120	
Sc (ISICPMS)	45	He	127450.54	0.6	87.3	70	120	
Ge (IS)	74	H2	650587.67	0.7	92.7	70	120	
Ge (IS)	74	He	73168.64	1.0	93.9	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188557.61	1.2	97.8	70	120	
Tb (IS)	159	He	983526.04	1.4	104.5	70	120	
Bi (IS)	209	He	783367.50	1.7	103.9	70	120	

Sample Report

File Name 123SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:34:28

Sample Name **460-300349-J-2-A**

Comment ---

Dilution **1.0000**

Vial # 3305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.000	ug/l	1092.9	1800	
B	11	6	No Gas	178.288	ug/l	0.6	1800	
Na	23	45	He	110072.136	ug/l	0.8	450000	
Mg	24	45	He	12121.965	ug/l	0.3	450000	
Al	27	45	He	77.587	ug/l	1.0	450000	
K	39	45	He	13587.636	ug/l	0.6	450000	
Ca	40	45	H2	117014.321	ug/l	2.0	900000	
Ti	47	45	No Gas	5.102	ug/l	2.7	9000	
V	51	74	He	0.211	ug/l	32.0	4500	
Cr	52	74	He	-0.324	ug/l	N/A	18000	
Mn	55	74	He	1001.227	ug/l	0.2	18000	
Fe	56	74	H2	12931.814	ug/l	2.0	450000	
Co	59	74	He	0.835	ug/l	8.3	1800	
Ni	60	74	He	1.289	ug/l	3.1	18000	
Cu	63	74	He	0.660	ug/l	0.3	18000	
Zn	66	74	He	3.566	ug/l	6.4	18000	
As	75	74	He	14.869	ug/l	6.7	4500	
Se	78	74	H2	0.138	ug/l	21.9	2700	
Sr	88	115	He	544.399	ug/l	0.7	4500	
Mo	95	115	He	3.085	ug/l	3.6	1800	
Ag	107	115	He	0.006	ug/l	57.0	900	
Cd	111	115	He	0.004	ug/l	165.1	4500	
Sn	118	115	He	-2.554	ug/l	N/A	1800	
Sb	121	115	He	0.219	ug/l	16.3	900	
Ba	137	159	He	172.676	ug/l	1.2	18000	
Tl	205	159	He	-0.117	ug/l	N/A	900	
(Pb)	206	209	He	1.701	ug/l	3.7		
(Pb)	207	209	He	1.604	ug/l	1.6		
Pb	208	209	He	1.667	ug/l	1.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5091784.61	0.6	96.0	70	120	
Sc (ISICPMS)	45	No Gas	11170314.56	0.8	93.5	70	120	
Sc (ISICPMS)	45	H2	2892481.83	0.8	85.0	70	120	
Sc (ISICPMS)	45	He	122631.06	1.1	84.0	70	120	
Ge (IS)	74	H2	623817.44	1.1	88.9	70	120	
Ge (IS)	74	He	70216.66	0.4	90.2	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181416.06	0.6	94.1	70	120	
Tb (IS)	159	He	964301.24	1.4	102.4	70	120	
Bi (IS)	209	He	755612.09	1.0	100.2	70	120	

Sample Report

File Name 124SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:36:48

Sample Name **460-300349-J-3-A**

Comment ---

Dilution **1.0000**

Vial # 3306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.007	ug/l	72.0	1800	
B	11	6	No Gas	211.448	ug/l	1.5	1800	
Na	23	45	He	252630.468	ug/l	1.4	450000	
Mg	24	45	He	12230.921	ug/l	0.8	450000	
Al	27	45	He	139.901	ug/l	7.1	450000	
K	39	45	He	14726.820	ug/l	0.8	450000	
Ca	40	45	H2	113515.928	ug/l	1.6	900000	
Ti	47	45	No Gas	9.005	ug/l	5.1	9000	
V	51	74	He	0.943	ug/l	4.5	4500	
Cr	52	74	He	-0.258	ug/l	N/A	18000	
Mn	55	74	He	1302.272	ug/l	0.4	18000	
Fe	56	74	H2	3113.416	ug/l	0.8	450000	
Co	59	74	He	0.308	ug/l	1.1	1800	
Ni	60	74	He	1.265	ug/l	2.2	18000	
Cu	63	74	He	1.033	ug/l	5.0	18000	
Zn	66	74	He	5.445	ug/l	8.2	18000	
As	75	74	He	0.369	ug/l	6.3	4500	
Se	78	74	H2	0.087	ug/l	22.6	2700	
Sr	88	115	He	582.936	ug/l	1.3	4500	
Mo	95	115	He	0.249	ug/l	18.4	1800	
Ag	107	115	He	0.052	ug/l	12.7	900	
Cd	111	115	He	0.000	ug/l	2648.9	4500	
Sn	118	115	He	-0.497	ug/l	N/A	1800	
Sb	121	115	He	0.048	ug/l	27.8	900	
Ba	137	159	He	79.262	ug/l	1.5	18000	
Tl	205	159	He	-0.119	ug/l	N/A	900	
(Pb)	206	209	He	2.573	ug/l	1.8		
(Pb)	207	209	He	2.318	ug/l	1.6		
Pb	208	209	He	2.433	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4954585.27	1.4	93.4	70	120	
Sc (ISICPMS)	45	No Gas	11163075.53	0.5	93.5	70	120	
Sc (ISICPMS)	45	H2	2873184.57	0.3	84.5	70	120	
Sc (ISICPMS)	45	He	123863.31	1.2	84.9	70	120	
Ge (IS)	74	H2	618287.63	0.2	88.1	70	120	
Ge (IS)	74	He	69967.71	0.8	89.8	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	179466.72	0.9	93.0	70	120	
Tb (IS)	159	He	954797.97	1.0	101.4	70	120	
Bi (IS)	209	He	741564.54	0.6	98.3	70	120	

Continuing Calibration Verification (CCV)

File Name 125_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:39:07

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	97.404	ug/l	0.9	100	90	110	
B	11	6	No Gas	239.944	ug/l	0.6	250	225	275	
Na	23	45	He	26238.278	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25789.443	ug/l	0.5	25000	22500	27500	
Al	27	45	He	25449.785	ug/l	0.2	25000	22500	27500	
K	39	45	He	24380.023	ug/l	0.7	25000	22500	27500	
Ca	40	45	H2	25218.748	ug/l	1.8	25000	22500	27500	
Ti	47	45	No Gas	97.702	ug/l	0.1	100	90	110	
V	51	74	He	95.787	ug/l	0.8	100	90	110	
Cr	52	74	He	95.976	ug/l	1.2	100	90	110	
Mn	55	74	He	96.711	ug/l	1.1	100	90	110	
Fe	56	74	H2	25098.050	ug/l	1.9	25000	22500	27500	
Co	59	74	He	99.549	ug/l	0.8	100	90	110	
Ni	60	74	He	98.986	ug/l	0.8	100	90	110	
Cu	63	74	He	100.490	ug/l	0.7	100	90	110	
Zn	66	74	He	243.675	ug/l	0.5	250	225	275	
As	75	74	He	96.497	ug/l	1.5	100	90	110	
Se	78	74	H2	102.530	ug/l	2.6	100	90	110	
Sr	88	115	He	93.889	ug/l	0.4	100	90	110	
Mo	95	115	He	99.337	ug/l	0.4	100	90	110	
Ag	107	115	He	51.243	ug/l	0.4	50	45	55	
Cd	111	115	He	100.631	ug/l	0.7	100	90	110	
Sn	118	115	He	98.868	ug/l	0.9	100	90	110	
Sb	121	115	He	103.939	ug/l	0.7	100	90	110	
Ba	137	159	He	94.526	ug/l	2.1	100	90	110	
Tl	205	159	He	101.877	ug/l	0.8	100	90	110	
(Pb)	206	209	He	101.121	ug/l	1.1				
(Pb)	207	209	He	100.628	ug/l	1.5				
Pb	208	209	He	100.764	ug/l	1.0	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5080727.67	0.7	95.8	70	120	
Sc (ISICPMS)	45	No Gas	10988044.00	0.6	92.0	70	120	
Sc (ISICPMS)	45	H2	2781352.84	1.0	81.8	70	120	
Sc (ISICPMS)	45	He	121083.01	1.1	83.0	70	120	
Ge (IS)	74	H2	604844.68	1.3	86.2	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68840.24	0.7	88.4	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	180193.19	0.3	93.4	70	120	
Tb (IS)	159	He	965014.11	0.6	102.5	70	120	
Bi (IS)	209	He	764261.88	0.8	101.3	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 126_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:41:26

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.007	ug/l	118.0	0.8	-0.8	0.8	
B	11	6	No Gas	5.913	ug/l	2.0	80	-80	80	
Na	23	45	He	19.989	ug/l	1.6	500	-500	500	
Mg	24	45	He	1.935	ug/l	21.3	200	-200	200	
Al	27	45	He	2.720	ug/l	37.1	40	-40	40	
K	39	45	He	4.184	ug/l	169.6	200	-200	200	
Ca	40	45	H2	8.041	ug/l	8.2	500	-500	500	
Ti	47	45	No Gas	0.600	ug/l	2.0	4	-4	4	
V	51	74	He	-0.091	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.162	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.005	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.417	ug/l	6.7	120	-120	120	
Co	59	74	He	-0.010	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.042	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.015	ug/l	132.2	4	-4	4	
Zn	66	74	He	0.320	ug/l	133.1	16	-16	16	
As	75	74	He	0.020	ug/l	940.9	2	-2	2	
Se	78	74	H2	0.243	ug/l	29.6	2.5	-2.5	2.5	
Sr	88	115	He	0.016	ug/l	198.2	4	-4	4	
Mo	95	115	He	0.142	ug/l	34.4	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.020	ug/l	59.5	2	-2	2	
Sn	118	115	He	-2.506	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.016	ug/l	123.7	2	-2	2	
Ba	137	159	He	0.016	ug/l	247.6	4	-4	4	
Tl	205	159	He	0.017	ug/l	46.8	0.8	-0.8	0.8	
(Pb)	206	209	He	0.028	ug/l	112.9				
(Pb)	207	209	He	0.017	ug/l	119.8				
Pb	208	209	He	0.026	ug/l	46.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5232226.69	0.7	98.7	70	120	
Sc (ISICPMS)	45	No Gas	11343519.69	0.4	95.0	70	120	
Sc (ISICPMS)	45	H2	2884664.61	0.8	84.8	70	120	
Sc (ISICPMS)	45	He	125520.02	0.6	86.0	70	120	
Ge (IS)	74	H2	605812.47	0.6	86.3	70	120	
Ge (IS)	74	He	68696.20	1.0	88.2	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	186299.53	0.3	96.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	964696.93	1.0	102.5	70	120	
Bi (IS)	209	He	784768.53	0.2	104.0	70	120	

Sample Report

File Name 127SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:43:47

Sample Name **460-300349-J-4-A**

Comment ---

Dilution **1.0000**

Vial # 3307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.001	ug/l	N/A	1800	
B	11	6	No Gas	42.374	ug/l	1.3	1800	
Na	23	45	He	74859.471	ug/l	1.3	450000	
Mg	24	45	He	29.063	ug/l	1.2	450000	
Al	27	45	He	723.675	ug/l	3.0	450000	
K	39	45	He	16075.766	ug/l	1.5	450000	
Ca	40	45	H2	66137.432	ug/l	2.6	900000	
Ti	47	45	No Gas	1.425	ug/l	6.3	9000	
V	51	74	He	2.549	ug/l	5.3	4500	
Cr	52	74	He	-0.189	ug/l	N/A	18000	
Mn	55	74	He	0.367	ug/l	12.0	18000	
Fe	56	74	H2	23.164	ug/l	2.1	450000	
Co	59	74	He	0.133	ug/l	6.3	1800	
Ni	60	74	He	1.060	ug/l	5.3	18000	
Cu	63	74	He	0.930	ug/l	2.4	18000	
Zn	66	74	He	1.582	ug/l	26.1	18000	
As	75	74	He	1.970	ug/l	11.3	4500	
Se	78	74	H2	0.276	ug/l	36.9	2700	
Sr	88	115	He	780.254	ug/l	1.0	4500	
Mo	95	115	He	5.141	ug/l	3.8	1800	
Ag	107	115	He	0.001	ug/l	152.1	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.592	ug/l	N/A	1800	
Sb	121	115	He	0.471	ug/l	11.2	900	
Ba	137	159	He	123.851	ug/l	0.6	18000	
Tl	205	159	He	-0.111	ug/l	N/A	900	
(Pb)	206	209	He	0.281	ug/l	14.1		
(Pb)	207	209	He	0.252	ug/l	6.0		
Pb	208	209	He	0.279	ug/l	4.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5083542.11	0.9	95.9	70	120	
Sc (ISICPMS)	45	No Gas	11176484.83	2.3	93.6	70	120	
Sc (ISICPMS)	45	H2	2860083.36	0.9	84.1	70	120	
Sc (ISICPMS)	45	He	123885.81	1.0	84.9	70	120	
Ge (IS)	74	H2	621248.92	0.7	88.5	70	120	
Ge (IS)	74	He	70032.57	1.0	89.9	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181897.34	0.9	94.3	70	120	
Tb (IS)	159	He	951759.61	1.2	101.1	70	120	
Bi (IS)	209	He	749188.71	0.5	99.3	70	120	

Sample Report

File Name 128SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:46:08

Sample Name **460-300149-J-10-A**

Comment ---

Dilution **1.0000**

Vial # 3308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.002	ug/l	N/A	1800	
B	11	6	No Gas	4.406	ug/l	3.4	1800	
Na	23	45	He	62.927	ug/l	1.3	450000	
Mg	24	45	He	1.966	ug/l	21.1	450000	
Al	27	45	He	11.711	ug/l	19.1	450000	
K	39	45	He	5.145	ug/l	157.1	450000	
Ca	40	45	H2	15.421	ug/l	2.0	900000	
Ti	47	45	No Gas	0.446	ug/l	9.2	9000	
V	51	74	He	-0.086	ug/l	N/A	4500	
Cr	52	74	He	-0.201	ug/l	N/A	18000	
Mn	55	74	He	0.118	ug/l	73.4	18000	
Fe	56	74	H2	19.265	ug/l	1.5	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	0.215	ug/l	14.0	18000	
Cu	63	74	He	1.280	ug/l	8.0	18000	
Zn	66	74	He	1.950	ug/l	27.3	18000	
As	75	74	He	0.027	ug/l	253.7	4500	
Se	78	74	H2	0.061	ug/l	37.3	2700	
Sr	88	115	He	0.108	ug/l	27.7	4500	
Mo	95	115	He	0.133	ug/l	10.9	1800	
Ag	107	115	He	0.008	ug/l	54.2	900	
Cd	111	115	He	0.004	ug/l	342.2	4500	
Sn	118	115	He	-2.793	ug/l	N/A	1800	
Sb	121	115	He	0.001	ug/l	901.0	900	
Ba	137	159	He	0.015	ug/l	253.5	18000	
Tl	205	159	He	-0.118	ug/l	N/A	900	
(Pb)	206	209	He	0.048	ug/l	32.7		
(Pb)	207	209	He	0.049	ug/l	37.6		
Pb	208	209	He	0.050	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5340915.62	1.0	100.7	70	120	
Sc (ISICPMS)	45	No Gas	11427209.69	1.1	95.7	70	120	
Sc (ISICPMS)	45	H2	2929632.56	0.0	86.1	70	120	
Sc (ISICPMS)	45	He	127663.34	0.5	87.5	70	120	
Ge (IS)	74	H2	614442.82	0.2	87.5	70	120	
Ge (IS)	74	He	70295.98	1.1	90.3	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188274.02	1.2	97.6	70	120	
Tb (IS)	159	He	967802.80	0.4	102.8	70	120	
Bi (IS)	209	He	783633.91	1.1	103.9	70	120	

Sample Report

File Name 129SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:48:30

Sample Name **460-300395-E-3-A**

Comment ---

Dilution **1.0000**

Vial # 3309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.005	ug/l	N/A	1800	
B	11	6	No Gas	3.811	ug/l	5.9	1800	
Na	23	45	He	48.881	ug/l	2.9	450000	
Mg	24	45	He	2.098	ug/l	21.4	450000	
Al	27	45	He	5.366	ug/l	25.9	450000	
K	39	45	He	3.287	ug/l	308.0	450000	
Ca	40	45	H2	16.603	ug/l	4.4	900000	
Ti	47	45	No Gas	0.429	ug/l	15.3	9000	
V	51	74	He	-0.108	ug/l	N/A	4500	
Cr	52	74	He	-0.425	ug/l	N/A	18000	
Mn	55	74	He	0.052	ug/l	49.4	18000	
Fe	56	74	H2	5.096	ug/l	2.7	450000	
Co	59	74	He	-0.014	ug/l	N/A	1800	
Ni	60	74	He	0.112	ug/l	28.7	18000	
Cu	63	74	He	1.015	ug/l	2.5	18000	
Zn	66	74	He	1.684	ug/l	14.2	18000	
As	75	74	He	0.028	ug/l	242.0	4500	
Se	78	74	H2	0.008	ug/l	240.2	2700	
Sr	88	115	He	0.035	ug/l	49.9	4500	
Mo	95	115	He	0.032	ug/l	71.8	1800	
Ag	107	115	He	0.001	ug/l	138.0	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.709	ug/l	N/A	1800	
Sb	121	115	He	0.007	ug/l	42.6	900	
Ba	137	159	He	0.125	ug/l	5.4	18000	
Tl	205	159	He	-0.120	ug/l	N/A	900	
(Pb)	206	209	He	0.040	ug/l	0.6		
(Pb)	207	209	He	0.002	ug/l	1841.0		
Pb	208	209	He	0.027	ug/l	39.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5298647.42	0.9	99.9	70	120	
Sc (ISICPMS)	45	No Gas	11499479.27	0.5	96.3	70	120	
Sc (ISICPMS)	45	H2	2935465.48	0.4	86.3	70	120	
Sc (ISICPMS)	45	He	128004.94	0.5	87.7	70	120	
Ge (IS)	74	H2	611447.39	0.7	87.1	70	120	
Ge (IS)	74	He	69608.26	1.3	89.4	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186816.69	0.9	96.9	70	120	
Tb (IS)	159	He	963180.67	0.6	102.3	70	120	
Bi (IS)	209	He	784477.85	0.6	104.0	70	120	

Sample Report

File Name 130SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:50:51

Sample Name **460-300398-E-8-A**

Comment ---

Dilution **1.0000**

Vial # 3310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.003	ug/l	N/A	1800	
B	11	6	No Gas	3.254	ug/l	0.5	1800	
Na	23	45	He	48.971	ug/l	6.4	450000	
Mg	24	45	He	16.471	ug/l	2.9	450000	
Al	27	45	He	34.644	ug/l	3.0	450000	
K	39	45	He	8.791	ug/l	42.9	450000	
Ca	40	45	H2	193.466	ug/l	1.2	900000	
Ti	47	45	No Gas	2.284	ug/l	8.3	9000	
V	51	74	He	-0.058	ug/l	N/A	4500	
Cr	52	74	He	-0.501	ug/l	N/A	18000	
Mn	55	74	He	0.790	ug/l	4.7	18000	
Fe	56	74	H2	37.751	ug/l	1.3	450000	
Co	59	74	He	0.012	ug/l	94.0	1800	
Ni	60	74	He	1.162	ug/l	8.2	18000	
Cu	63	74	He	0.690	ug/l	5.2	18000	
Zn	66	74	He	2.495	ug/l	11.4	18000	
As	75	74	He	0.057	ug/l	1.1	4500	
Se	78	74	H2	0.027	ug/l	0.4	2700	
Sr	88	115	He	0.379	ug/l	10.6	4500	
Mo	95	115	He	0.051	ug/l	50.3	1800	
Ag	107	115	He	0.001	ug/l	240.0	900	
Cd	111	115	He	0.000	ug/l	14175.0	4500	
Sn	118	115	He	-2.767	ug/l	N/A	1800	
Sb	121	115	He	0.027	ug/l	114.4	900	
Ba	137	159	He	0.351	ug/l	8.5	18000	
Tl	205	159	He	-0.119	ug/l	N/A	900	
(Pb)	206	209	He	1.730	ug/l	3.6		
(Pb)	207	209	He	1.820	ug/l	3.9		
Pb	208	209	He	1.755	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5289968.85	1.3	99.8	70	120	
Sc (ISICPMS)	45	No Gas	11593324.27	1.6	97.1	70	120	
Sc (ISICPMS)	45	H2	2944600.44	0.3	86.6	70	120	
Sc (ISICPMS)	45	He	128907.22	1.3	88.3	70	120	
Ge (IS)	74	H2	624317.65	0.3	88.9	70	120	
Ge (IS)	74	He	71267.20	0.3	91.5	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	190104.66	0.6	98.6	70	120	
Tb (IS)	159	He	964039.53	0.7	102.4	70	120	
Bi (IS)	209	He	782841.47	1.2	103.8	70	120	

Sample Report

File Name 131SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:53:12

Sample Name **460-300430-J-1-A**

Comment ---

Dilution **1.0000**

Vial # 3311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.001	ug/l	843.9	1800	
B	11	6	No Gas	270.842	ug/l	1.3	1800	
Na	23	45	He	968899.153	ug/l	1.8	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	25825.975	ug/l	0.6	450000	
Al	27	45	He	17.319	ug/l	27.1	450000	
K	39	45	He	26565.277	ug/l	0.4	450000	
Ca	40	45	H2	164255.424	ug/l	1.4	900000	
Ti	47	45	No Gas	3.518	ug/l	0.8	9000	
V	51	74	He	0.142	ug/l	28.6	4500	
Cr	52	74	He	-0.162	ug/l	N/A	18000	
Mn	55	74	He	1214.313	ug/l	0.6	18000	
Fe	56	74	H2	21219.789	ug/l	1.7	450000	
Co	59	74	He	0.257	ug/l	12.7	1800	
Ni	60	74	He	1.675	ug/l	9.2	18000	
Cu	63	74	He	0.898	ug/l	4.2	18000	
Zn	66	74	He	1.872	ug/l	22.2	18000	
As	75	74	He	9.629	ug/l	2.2	4500	
Se	78	74	H2	0.131	ug/l	31.2	2700	
Sr	88	115	He	1148.854	ug/l	0.5	4500	
Mo	95	115	He	1.222	ug/l	4.2	1800	
Ag	107	115	He	-0.004	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.644	ug/l	N/A	1800	
Sb	121	115	He	0.073	ug/l	23.2	900	
Ba	137	159	He	476.734	ug/l	1.3	18000	
Tl	205	159	He	-0.122	ug/l	N/A	900	
(Pb)	206	209	He	0.213	ug/l	14.6		
(Pb)	207	209	He	0.222	ug/l	1.9		
Pb	208	209	He	0.231	ug/l	7.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4788284.51	0.6	90.3	70	120	
Sc (ISICPMS)	45	No Gas	11229147.89	0.8	94.0	70	120	
Sc (ISICPMS)	45	H2	2854331.76	0.6	83.9	70	120	
Sc (ISICPMS)	45	He	123487.92	0.9	84.6	70	120	
Ge (IS)	74	H2	596709.73	0.1	85.0	70	120	
Ge (IS)	74	He	68177.26	0.2	87.5	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	174113.82	0.7	90.3	70	120	
Tb (IS)	159	He	916866.68	0.9	97.4	70	120	
Bi (IS)	209	He	697272.14	0.3	92.4	70	120	

Sample Report

File Name 132SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:55:32

Sample Name **460-300430-J-2-A**

Comment ---

Dilution **1.0000**

Vial # 3312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.007	ug/l	N/A	1800	
B	11	6	No Gas	113.631	ug/l	2.1	1800	
Na	23	45	He	152195.050	ug/l	1.1	450000	
Mg	24	45	He	6304.158	ug/l	0.4	450000	
Al	27	45	He	32.817	ug/l	8.4	450000	
K	39	45	He	25240.510	ug/l	1.2	450000	
Ca	40	45	H2	92258.613	ug/l	0.5	900000	
Ti	47	45	No Gas	1.742	ug/l	5.2	9000	
V	51	74	He	2.122	ug/l	6.1	4500	
Cr	52	74	He	-0.549	ug/l	N/A	18000	
Mn	55	74	He	24.557	ug/l	3.9	18000	
Fe	56	74	H2	74.589	ug/l	0.6	450000	
Co	59	74	He	0.104	ug/l	21.3	1800	
Ni	60	74	He	0.577	ug/l	12.3	18000	
Cu	63	74	He	0.850	ug/l	6.8	18000	
Zn	66	74	He	1.629	ug/l	11.8	18000	
As	75	74	He	1.077	ug/l	6.6	4500	
Se	78	74	H2	0.318	ug/l	31.5	2700	
Sr	88	115	He	1062.371	ug/l	0.6	4500	
Mo	95	115	He	8.648	ug/l	2.5	1800	
Ag	107	115	He	0.001	ug/l	165.2	900	
Cd	111	115	He	0.000	ug/l	3854.8	4500	
Sn	118	115	He	-2.668	ug/l	N/A	1800	
Sb	121	115	He	0.548	ug/l	12.8	900	
Ba	137	159	He	71.741	ug/l	0.8	18000	
Tl	205	159	He	-0.122	ug/l	N/A	900	
(Pb)	206	209	He	0.339	ug/l	3.9		
(Pb)	207	209	He	0.312	ug/l	16.9		
Pb	208	209	He	0.329	ug/l	2.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5022638.33	1.4	94.7	70	120	
Sc (ISICPMS)	45	No Gas	11374242.05	0.9	95.2	70	120	
Sc (ISICPMS)	45	H2	2902766.03	0.5	85.3	70	120	
Sc (ISICPMS)	45	He	125956.03	1.1	86.3	70	120	
Ge (IS)	74	H2	628329.89	0.3	89.5	70	120	
Ge (IS)	74	He	71796.37	0.3	92.2	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	183466.53	0.9	95.1	70	120	
Tb (IS)	159	He	961270.58	1.4	102.1	70	120	
Bi (IS)	209	He	752762.32	0.6	99.8	70	120	

Sample Report

File Name 133SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 15:57:53

Sample Name **460-300430-J-3-A**

Comment ---

Dilution **1.0000**

Vial # 3401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.001	ug/l	N/A	1800	
B	11	6	No Gas	196.848	ug/l	0.9	1800	
Na	23	45	He	419196.137	ug/l	0.7	450000	
Mg	24	45	He	7237.445	ug/l	0.9	450000	
Al	27	45	He	69.617	ug/l	9.3	450000	
K	39	45	He	23584.382	ug/l	0.6	450000	
Ca	40	45	H2	116173.233	ug/l	0.6	900000	
Ti	47	45	No Gas	4.657	ug/l	3.1	9000	
V	51	74	He	0.947	ug/l	3.0	4500	
Cr	52	74	He	0.373	ug/l	36.8	18000	
Mn	55	74	He	85.318	ug/l	2.1	18000	
Fe	56	74	H2	7244.721	ug/l	0.9	450000	
Co	59	74	He	1.352	ug/l	4.4	1800	
Ni	60	74	He	1.087	ug/l	21.7	18000	
Cu	63	74	He	1.683	ug/l	1.6	18000	
Zn	66	74	He	4.590	ug/l	3.0	18000	
As	75	74	He	52.074	ug/l	2.8	4500	
Se	78	74	H2	0.166	ug/l	43.2	2700	
Sr	88	115	He	1070.929	ug/l	1.0	4500	
Mo	95	115	He	1.388	ug/l	5.5	1800	
Ag	107	115	He	0.002	ug/l	84.7	900	
Cd	111	115	He	0.017	ug/l	42.8	4500	
Sn	118	115	He	-2.592	ug/l	N/A	1800	
Sb	121	115	He	0.145	ug/l	7.0	900	
Ba	137	159	He	11.633	ug/l	1.3	18000	
Tl	205	159	He	-0.119	ug/l	N/A	900	
(Pb)	206	209	He	1.333	ug/l	5.3		
(Pb)	207	209	He	1.341	ug/l	2.5		
Pb	208	209	He	1.325	ug/l	1.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4975712.04	1.1	93.8	70	120	
Sc (ISICPMS)	45	No Gas	11249539.41	0.7	94.2	70	120	
Sc (ISICPMS)	45	H2	2877746.00	0.7	84.6	70	120	
Sc (ISICPMS)	45	He	124228.30	1.6	85.1	70	120	
Ge (IS)	74	H2	618870.97	0.6	88.2	70	120	
Ge (IS)	74	He	70153.00	0.5	90.1	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	180417.53	0.3	93.5	70	120	
Tb (IS)	159	He	945939.47	1.1	100.5	70	120	
Bi (IS)	209	He	726807.31	0.4	96.4	70	120	

Sample Report

File Name 134SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:00:13

Sample Name **460-300240-A-13-A**

Comment ---

Dilution **1.0000**

Vial # 3402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.006	ug/l	N/A	1800	
B	11	6	No Gas	3.756	ug/l	4.0	1800	
Na	23	45	He	188.044	ug/l	2.7	450000	
Mg	24	45	He	4.428	ug/l	20.0	450000	
Al	27	45	He	4.168	ug/l	56.5	450000	
K	39	45	He	4.763	ug/l	148.5	450000	
Ca	40	45	H2	47.168	ug/l	0.5	900000	
Ti	47	45	No Gas	0.665	ug/l	5.7	9000	
V	51	74	He	-0.132	ug/l	N/A	4500	
Cr	52	74	He	-0.193	ug/l	N/A	18000	
Mn	55	74	He	0.925	ug/l	11.0	18000	
Fe	56	74	H2	68.805	ug/l	0.1	450000	
Co	59	74	He	-0.007	ug/l	N/A	1800	
Ni	60	74	He	0.104	ug/l	64.9	18000	
Cu	63	74	He	0.220	ug/l	10.9	18000	
Zn	66	74	He	2.598	ug/l	9.6	18000	
As	75	74	He	0.068	ug/l	98.6	4500	
Se	78	74	H2	0.021	ug/l	194.1	2700	
Sr	88	115	He	0.112	ug/l	49.4	4500	
Mo	95	115	He	0.129	ug/l	24.5	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.004	ug/l	347.9	4500	
Sn	118	115	He	-2.753	ug/l	N/A	1800	
Sb	121	115	He	0.026	ug/l	121.8	900	
Ba	137	159	He	0.048	ug/l	140.4	18000	
Tl	205	159	He	-0.123	ug/l	N/A	900	
(Pb)	206	209	He	0.017	ug/l	111.9		
(Pb)	207	209	He	0.023	ug/l	50.5		
Pb	208	209	He	0.016	ug/l	20.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5283840.68	0.3	99.7	70	120	
Sc (ISICPMS)	45	No Gas	11529599.55	0.7	96.5	70	120	
Sc (ISICPMS)	45	H2	2933762.80	0.3	86.2	70	120	
Sc (ISICPMS)	45	He	128960.81	0.8	88.4	70	120	
Ge (IS)	74	H2	622267.47	0.4	88.6	70	120	
Ge (IS)	74	He	71037.36	2.2	91.2	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	192344.61	0.0	99.7	70	120	
Tb (IS)	159	He	988984.36	1.0	105.1	70	120	
Bi (IS)	209	He	794279.92	0.7	105.3	70	120	

Sample Report

File Name 135SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:02:35

Sample Name **460-300240-D-14-A**

Comment ---

Dilution **1.0000**

Vial # 3403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.101	ug/l	13.9	1800	
B	11	6	No Gas	13.534	ug/l	1.6	1800	
Na	23	45	He	4664.247	ug/l	1.5	450000	
Mg	24	45	He	10866.778	ug/l	0.6	450000	
Al	27	45	He	55.041	ug/l	7.5	450000	
K	39	45	He	11648.371	ug/l	0.7	450000	
Ca	40	45	H2	23805.182	ug/l	0.3	900000	
Ti	47	45	No Gas	1.276	ug/l	5.1	9000	
V	51	74	He	0.158	ug/l	38.9	4500	
Cr	52	74	He	-0.488	ug/l	N/A	18000	
Mn	55	74	He	61.990	ug/l	0.7	18000	
Fe	56	74	H2	1696.636	ug/l	1.2	450000	
Co	59	74	He	2.784	ug/l	3.5	1800	
Ni	60	74	He	6.388	ug/l	0.6	18000	
Cu	63	74	He	12.868	ug/l	0.5	18000	
Zn	66	74	He	33.248	ug/l	1.2	18000	
As	75	74	He	0.389	ug/l	31.8	4500	
Se	78	74	H2	1.969	ug/l	10.9	2700	
Sr	88	115	He	96.789	ug/l	0.7	4500	
Mo	95	115	He	1.394	ug/l	7.1	1800	
Ag	107	115	He	0.003	ug/l	168.2	900	
Cd	111	115	He	0.111	ug/l	6.0	4500	
Sn	118	115	He	-2.598	ug/l	N/A	1800	
Sb	121	115	He	0.108	ug/l	10.9	900	
Ba	137	159	He	66.734	ug/l	1.5	18000	
Tl	205	159	He	-0.014	ug/l	N/A	900	
(Pb)	206	209	He	0.165	ug/l	12.0		
(Pb)	207	209	He	0.148	ug/l	11.0		
Pb	208	209	He	0.173	ug/l	12.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5351538.11	0.1	100.9	70	120	
Sc (ISICPMS)	45	No Gas	11567033.30	0.6	96.8	70	120	
Sc (ISICPMS)	45	H2	2933530.58	0.6	86.2	70	120	
Sc (ISICPMS)	45	He	128549.77	0.8	88.1	70	120	
Ge (IS)	74	H2	637768.45	0.9	90.8	70	120	
Ge (IS)	74	He	73083.82	1.6	93.8	70	120	
Kr	83	He	13.35	86.6	400.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	189597.39	0.5	98.3	70	120	
Tb (IS)	159	He	974388.70	0.8	103.5	70	120	
Bi (IS)	209	He	779872.52	1.1	103.4	70	120	

Sample Report

File Name 136SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:04:55

Sample Name **460-300240-D-15-A**

Comment ---

Dilution **1.0000**

Vial # 3404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.486	ug/l	6.0	1800	
B	11	6	No Gas	15.651	ug/l	1.0	1800	
Na	23	45	He	20832.257	ug/l	0.8	450000	
Mg	24	45	He	8562.313	ug/l	0.4	450000	
Al	27	45	He	124.476	ug/l	5.8	450000	
K	39	45	He	4508.309	ug/l	1.5	450000	
Ca	40	45	H2	11902.032	ug/l	0.6	900000	
Ti	47	45	No Gas	1.124	ug/l	11.6	9000	
V	51	74	He	-0.106	ug/l	N/A	4500	
Cr	52	74	He	-0.228	ug/l	N/A	18000	
Mn	55	74	He	52.956	ug/l	0.7	18000	
Fe	56	74	H2	2444.488	ug/l	1.5	450000	
Co	59	74	He	3.796	ug/l	1.3	1800	
Ni	60	74	He	8.296	ug/l	1.1	18000	
Cu	63	74	He	2.561	ug/l	4.2	18000	
Zn	66	74	He	26.167	ug/l	3.0	18000	
As	75	74	He	0.161	ug/l	32.0	4500	
Se	78	74	H2	1.329	ug/l	11.9	2700	
Sr	88	115	He	82.298	ug/l	0.3	4500	
Mo	95	115	He	0.403	ug/l	15.3	1800	
Ag	107	115	He	0.000	ug/l	1197.9	900	
Cd	111	115	He	0.354	ug/l	6.7	4500	
Sn	118	115	He	-2.776	ug/l	N/A	1800	
Sb	121	115	He	0.020	ug/l	138.3	900	
Ba	137	159	He	112.964	ug/l	0.7	18000	
Tl	205	159	He	0.017	ug/l	71.4	900	
(Pb)	206	209	He	0.031	ug/l	27.8		
(Pb)	207	209	He	0.039	ug/l	54.7		
Pb	208	209	He	0.042	ug/l	12.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5257220.24	0.9	99.2	70	120	
Sc (ISICPMS)	45	No Gas	11475854.00	0.0	96.1	70	120	
Sc (ISICPMS)	45	H2	2888048.57	0.3	84.9	70	120	
Sc (ISICPMS)	45	He	126182.12	0.2	86.5	70	120	
Ge (IS)	74	H2	632666.15	0.2	90.1	70	120	
Ge (IS)	74	He	72267.46	0.9	92.8	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188414.54	0.3	97.7	70	120	
Tb (IS)	159	He	973456.87	0.5	103.4	70	120	
Bi (IS)	209	He	781779.29	0.8	103.6	70	120	

Continuing Calibration Verification (CCV)

File Name 137_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:07:14

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	96.732	ug/l	2.6	100	90	110	
B	11	6	No Gas	233.747	ug/l	1.1	250	225	275	
Na	23	45	He	26119.914	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25677.150	ug/l	0.3	25000	22500	27500	
Al	27	45	He	25313.317	ug/l	0.5	25000	22500	27500	
K	39	45	He	24442.869	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25531.345	ug/l	0.1	25000	22500	27500	
Ti	47	45	No Gas	95.665	ug/l	2.8	100	90	110	
V	51	74	He	95.865	ug/l	1.0	100	90	110	
Cr	52	74	He	95.657	ug/l	2.3	100	90	110	
Mn	55	74	He	95.753	ug/l	1.9	100	90	110	
Fe	56	74	H2	25516.488	ug/l	0.8	25000	22500	27500	
Co	59	74	He	98.965	ug/l	1.6	100	90	110	
Ni	60	74	He	99.848	ug/l	2.0	100	90	110	
Cu	63	74	He	100.026	ug/l	0.3	100	90	110	
Zn	66	74	He	244.210	ug/l	0.4	250	225	275	
As	75	74	He	97.872	ug/l	1.2	100	90	110	
Se	78	74	H2	102.760	ug/l	0.8	100	90	110	
Sr	88	115	He	93.835	ug/l	1.8	100	90	110	
Mo	95	115	He	98.585	ug/l	0.9	100	90	110	
Ag	107	115	He	50.180	ug/l	0.9	50	45	55	
Cd	111	115	He	100.563	ug/l	1.9	100	90	110	
Sn	118	115	He	98.451	ug/l	1.0	100	90	110	
Sb	121	115	He	104.082	ug/l	2.2	100	90	110	
Ba	137	159	He	93.723	ug/l	0.8	100	90	110	
Tl	205	159	He	100.840	ug/l	0.2	100	90	110	
(Pb)	206	209	He	101.416	ug/l	0.2				
(Pb)	207	209	He	100.300	ug/l	0.1				
Pb	208	209	He	100.931	ug/l	0.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5120583.08	0.4	96.6	70	120	
Sc (ISICPMS)	45	No Gas	11099242.75	1.1	92.9	70	120	
Sc (ISICPMS)	45	H2	2800797.32	0.2	82.3	70	120	
Sc (ISICPMS)	45	He	123056.71	0.5	84.3	70	120	
Ge (IS)	74	H2	609664.01	0.8	86.8	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	69808.13	1.2	89.6	70	120	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	182689.99	1.2	94.7	70	120	
Tb (IS)	159	He	974146.42	0.8	103.5	70	120	
Bi (IS)	209	He	763959.75	0.3	101.3	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 138_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:09:33

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.007	ug/l	111.5	0.8	-0.8	0.8	
B	11	6	No Gas	3.730	ug/l	0.9	80	-80	80	
Na	23	45	He	23.893	ug/l	4.8	500	-500	500	
Mg	24	45	He	1.453	ug/l	33.0	200	-200	200	
Al	27	45	He	2.102	ug/l	49.7	40	-40	40	
K	39	45	He	3.922	ug/l	217.7	200	-200	200	
Ca	40	45	H2	4.742	ug/l	4.8	500	-500	500	
Ti	47	45	No Gas	0.413	ug/l	10.7	4	-4	4	
V	51	74	He	-0.050	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.231	ug/l	N/A	4	-4	4	
Mn	55	74	He	-0.074	ug/l	N/A	8	-8	8	
Fe	56	74	H2	3.433	ug/l	2.6	120	-120	120	
Co	59	74	He	-0.001	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.015	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.030	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.487	ug/l	41.5	16	-16	16	
As	75	74	He	0.059	ug/l	109.9	2	-2	2	
Se	78	74	H2	0.239	ug/l	50.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.003	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.125	ug/l	21.9	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.008	ug/l	258.7	2	-2	2	
Sn	118	115	He	-2.648	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.046	ug/l	11.6	2	-2	2	
Ba	137	159	He	-0.035	ug/l	N/A	4	-4	4	
Tl	205	159	He	0.028	ug/l	16.7	0.8	-0.8	0.8	
(Pb)	206	209	He	0.013	ug/l	114.0				
(Pb)	207	209	He	0.012	ug/l	193.3				
Pb	208	209	He	0.014	ug/l	43.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5198710.24	0.5	98.0	70	120	
Sc (ISICPMS)	45	No Gas	11395100.11	1.0	95.4	70	120	
Sc (ISICPMS)	45	H2	2917128.46	0.5	85.8	70	120	
Sc (ISICPMS)	45	He	129289.35	1.1	88.6	70	120	
Ge (IS)	74	H2	615001.82	0.5	87.6	70	120	
Ge (IS)	74	He	70252.46	0.8	90.2	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	190137.37	0.4	98.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	981433.73	1.3	104.3	70	120	
Bi (IS)	209	He	790507.36	0.2	104.8	70	120	

Sample Report

File Name 139SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:11:54

Sample Name **460-300240-D-16-A**

Comment ---

Dilution **1.0000**

Vial # 3405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.072	ug/l	9.9	1800	
B	11	6	No Gas	28.350	ug/l	4.5	1800	
Na	23	45	He	12355.591	ug/l	0.5	450000	
Mg	24	45	He	8173.519	ug/l	0.1	450000	
Al	27	45	He	118.927	ug/l	6.3	450000	
K	39	45	He	13153.306	ug/l	0.2	450000	
Ca	40	45	H2	17818.804	ug/l	1.5	900000	
Ti	47	45	No Gas	1.324	ug/l	7.9	9000	
V	51	74	He	-0.036	ug/l	N/A	4500	
Cr	52	74	He	0.009	ug/l	597.1	18000	
Mn	55	74	He	314.106	ug/l	1.3	18000	
Fe	56	74	H2	2434.855	ug/l	0.7	450000	
Co	59	74	He	10.366	ug/l	1.6	1800	
Ni	60	74	He	14.657	ug/l	2.6	18000	
Cu	63	74	He	0.532	ug/l	11.5	18000	
Zn	66	74	He	62.547	ug/l	1.3	18000	
As	75	74	He	0.245	ug/l	22.3	4500	
Se	78	74	H2	0.776	ug/l	13.2	2700	
Sr	88	115	He	56.647	ug/l	0.3	4500	
Mo	95	115	He	0.385	ug/l	10.3	1800	
Ag	107	115	He	0.001	ug/l	312.2	900	
Cd	111	115	He	1.887	ug/l	4.4	4500	
Sn	118	115	He	-2.786	ug/l	N/A	1800	
Sb	121	115	He	0.210	ug/l	25.4	900	
Ba	137	159	He	73.673	ug/l	1.5	18000	
Tl	205	159	He	0.784	ug/l	2.4	900	
(Pb)	206	209	He	0.123	ug/l	6.7		
(Pb)	207	209	He	0.098	ug/l	20.8		
Pb	208	209	He	0.112	ug/l	13.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5260319.05	0.7	99.2	70	120	
Sc (ISICPMS)	45	No Gas	11412305.25	1.3	95.5	70	120	
Sc (ISICPMS)	45	H2	2913743.11	1.3	85.7	70	120	
Sc (ISICPMS)	45	He	126928.55	0.2	87.0	70	120	
Ge (IS)	74	H2	634230.71	1.3	90.3	70	120	
Ge (IS)	74	He	72450.55	0.5	93.0	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	188088.47	1.2	97.5	70	120	
Tb (IS)	159	He	974954.24	1.3	103.6	70	120	
Bi (IS)	209	He	779633.26	0.9	103.4	70	120	

Sample Report

File Name 140SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:14:14

Sample Name **460-300240-D-17-A**

Comment ---

Dilution **1.0000**

Vial # 3406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.535	ug/l	5.6	1800	
B	11	6	No Gas	15.765	ug/l	2.4	1800	
Na	23	45	He	21521.899	ug/l	0.1	450000	
Mg	24	45	He	9273.356	ug/l	0.7	450000	
Al	27	45	He	123.412	ug/l	4.6	450000	
K	39	45	He	4648.407	ug/l	0.4	450000	
Ca	40	45	H2	12942.630	ug/l	0.1	900000	
Ti	47	45	No Gas	0.955	ug/l	6.5	9000	
V	51	74	He	0.012	ug/l	861.8	4500	
Cr	52	74	He	-0.355	ug/l	N/A	18000	
Mn	55	74	He	55.664	ug/l	1.1	18000	
Fe	56	74	H2	2555.718	ug/l	1.4	450000	
Co	59	74	He	4.141	ug/l	1.2	1800	
Ni	60	74	He	8.709	ug/l	4.5	18000	
Cu	63	74	He	2.286	ug/l	3.6	18000	
Zn	66	74	He	30.705	ug/l	2.1	18000	
As	75	74	He	0.193	ug/l	25.9	4500	
Se	78	74	H2	1.409	ug/l	8.5	2700	
Sr	88	115	He	89.388	ug/l	1.1	4500	
Mo	95	115	He	0.364	ug/l	9.1	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.341	ug/l	15.9	4500	
Sn	118	115	He	-2.689	ug/l	N/A	1800	
Sb	121	115	He	0.041	ug/l	63.1	900	
Ba	137	159	He	121.034	ug/l	1.4	18000	
Tl	205	159	He	0.018	ug/l	69.8	900	
(Pb)	206	209	He	0.046	ug/l	27.2		
(Pb)	207	209	He	0.041	ug/l	79.9		
Pb	208	209	He	0.042	ug/l	27.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5236594.23	1.2	98.8	70	120	
Sc (ISICPMS)	45	No Gas	11470360.38	1.1	96.0	70	120	
Sc (ISICPMS)	45	H2	2880400.17	0.7	84.7	70	120	
Sc (ISICPMS)	45	He	126357.98	0.4	86.6	70	120	
Ge (IS)	74	H2	631096.87	1.1	89.9	70	120	
Ge (IS)	74	He	72188.41	0.5	92.7	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186963.66	0.4	96.9	70	120	
Tb (IS)	159	He	970461.42	1.3	103.1	70	120	
Bi (IS)	209	He	775554.15	0.2	102.8	70	120	

Sample Report

File Name 141SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:16:35

Sample Name **460-300140-H-11-A**

Comment ---

Dilution **1.0000**

Vial # 3407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	15.1	1800	
B	11	6	No Gas	64.486	ug/l	0.7	1800	
Na	23	45	He	9525.386	ug/l	0.7	450000	
Mg	24	45	He	5814.315	ug/l	0.6	450000	
Al	27	45	He	80.400	ug/l	2.8	450000	
K	39	45	He	2381.103	ug/l	0.7	450000	
Ca	40	45	H2	18234.505	ug/l	0.8	900000	
Ti	47	45	No Gas	2.984	ug/l	6.2	9000	
V	51	74	He	0.444	ug/l	27.0	4500	
Cr	52	74	He	-0.229	ug/l	N/A	18000	
Mn	55	74	He	259.223	ug/l	0.5	18000	
Fe	56	74	H2	20813.604	ug/l	0.7	450000	
Co	59	74	He	2.909	ug/l	0.6	1800	
Ni	60	74	He	2.837	ug/l	13.5	18000	
Cu	63	74	He	0.456	ug/l	8.1	18000	
Zn	66	74	He	4.335	ug/l	12.1	18000	
As	75	74	He	0.920	ug/l	20.9	4500	
Se	78	74	H2	0.101	ug/l	11.0	2700	
Sr	88	115	He	110.214	ug/l	0.9	4500	
Mo	95	115	He	0.098	ug/l	47.3	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.037	ug/l	18.9	4500	
Sn	118	115	He	-1.778	ug/l	N/A	1800	
Sb	121	115	He	0.059	ug/l	10.4	900	
Ba	137	159	He	88.588	ug/l	0.8	18000	
Tl	205	159	He	-0.113	ug/l	N/A	900	
(Pb)	206	209	He	0.148	ug/l	11.2		
(Pb)	207	209	He	0.110	ug/l	26.7		
Pb	208	209	He	0.142	ug/l	11.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5162070.96	0.9	97.4	70	120	
Sc (ISICPMS)	45	No Gas	11260519.83	0.4	94.3	70	120	
Sc (ISICPMS)	45	H2	2786476.28	0.8	81.9	70	120	
Sc (ISICPMS)	45	He	121368.81	0.8	83.2	70	120	
Ge (IS)	74	H2	611512.77	0.7	87.1	70	120	
Ge (IS)	74	He	69274.65	0.4	88.9	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	182852.38	0.7	94.8	70	120	
Tb (IS)	159	He	969074.37	1.2	102.9	70	120	
Bi (IS)	209	He	776524.89	0.4	102.9	70	120	

Sample Report

File Name 142SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:18:55

Sample Name **460-300428-K-5-A**

Comment ---

Dilution **1.0000**

Vial # 3408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.003	ug/l	N/A	1800	
B	11	6	No Gas	28.017	ug/l	2.2	1800	
Na	23	45	He	10578.289	ug/l	0.1	450000	
Mg	24	45	He	20544.118	ug/l	0.1	450000	
Al	27	45	He	12.927	ug/l	11.9	450000	
K	39	45	He	1945.315	ug/l	0.3	450000	
Ca	40	45	H2	50788.908	ug/l	0.8	900000	
Ti	47	45	No Gas	1.912	ug/l	20.8	9000	
V	51	74	He	0.784	ug/l	8.3	4500	
Cr	52	74	He	-0.410	ug/l	N/A	18000	
Mn	55	74	He	295.789	ug/l	0.6	18000	
Fe	56	74	H2	1844.797	ug/l	1.8	450000	
Co	59	74	He	0.213	ug/l	11.2	1800	
Ni	60	74	He	3.143	ug/l	2.8	18000	
Cu	63	74	He	1.408	ug/l	2.3	18000	
Zn	66	74	He	2.005	ug/l	6.0	18000	
As	75	74	He	1.357	ug/l	10.3	4500	
Se	78	74	H2	0.073	ug/l	16.0	2700	
Sr	88	115	He	285.484	ug/l	1.4	4500	
Mo	95	115	He	1.423	ug/l	6.8	1800	
Ag	107	115	He	0.003	ug/l	184.3	900	
Cd	111	115	He	0.012	ug/l	114.0	4500	
Sn	118	115	He	-2.821	ug/l	N/A	1800	
Sb	121	115	He	0.057	ug/l	30.9	900	
Ba	137	159	He	396.014	ug/l	0.2	18000	
Tl	205	159	He	-0.067	ug/l	N/A	900	
(Pb)	206	209	He	0.045	ug/l	3.6		
(Pb)	207	209	He	0.014	ug/l	156.7		
Pb	208	209	He	0.044	ug/l	2.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5121044.06	0.2	96.6	70	120	
Sc (ISICPMS)	45	No Gas	11205211.64	0.9	93.8	70	120	
Sc (ISICPMS)	45	H2	2868014.71	0.7	84.3	70	120	
Sc (ISICPMS)	45	He	124025.56	0.3	85.0	70	120	
Ge (IS)	74	H2	623253.15	0.8	88.8	70	120	
Ge (IS)	74	He	70795.06	0.4	90.9	70	120	
Kr	83	He	6.67	173.2	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185422.36	1.4	96.1	70	120	
Tb (IS)	159	He	963160.61	0.4	102.3	70	120	
Bi (IS)	209	He	769479.27	0.7	102.0	70	120	

Sample Report

File Name 143SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:21:15

Sample Name **460-300428-K-6-A**

Comment ---

Dilution **1.0000**

Vial # 3409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.003	ug/l	112.6	1800	
B	11	6	No Gas	26.439	ug/l	2.8	1800	
Na	23	45	He	71754.417	ug/l	0.4	450000	
Mg	24	45	He	72678.969	ug/l	0.5	450000	
Al	27	45	He	31.661	ug/l	3.5	450000	
K	39	45	He	3258.413	ug/l	0.7	450000	
Ca	40	45	H2	314130.777	ug/l	3.0	900000	
Ti	47	45	No Gas	3.597	ug/l	2.6	9000	
V	51	74	He	0.026	ug/l	294.2	4500	
Cr	52	74	He	-0.092	ug/l	N/A	18000	
Mn	55	74	He	1649.316	ug/l	0.7	18000	
Fe	56	74	H2	10655.937	ug/l	2.8	450000	
Co	59	74	He	1.055	ug/l	6.4	1800	
Ni	60	74	He	4.513	ug/l	1.0	18000	
Cu	63	74	He	1.567	ug/l	4.8	18000	
Zn	66	74	He	13.644	ug/l	1.1	18000	
As	75	74	He	0.160	ug/l	73.8	4500	
Se	78	74	H2	0.075	ug/l	55.0	2700	
Sr	88	115	He	862.757	ug/l	0.4	4500	
Mo	95	115	He	0.291	ug/l	5.4	1800	
Ag	107	115	He	0.086	ug/l	2.9	900	
Cd	111	115	He	0.829	ug/l	11.6	4500	
Sn	118	115	He	-2.950	ug/l	N/A	1800	
Sb	121	115	He	0.043	ug/l	20.5	900	
Ba	137	159	He	389.243	ug/l	0.3	18000	
Tl	205	159	He	-0.116	ug/l	N/A	900	
(Pb)	206	209	He	0.099	ug/l	6.3		
(Pb)	207	209	He	0.094	ug/l	28.2		
Pb	208	209	He	0.088	ug/l	19.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5019303.92	0.7	94.7	70	120	
Sc (ISICPMS)	45	No Gas	11214595.53	1.1	93.9	70	120	
Sc (ISICPMS)	45	H2	2864684.02	1.0	84.2	70	120	
Sc (ISICPMS)	45	He	124536.49	0.4	85.3	70	120	
Ge (IS)	74	H2	608953.97	0.6	86.7	70	120	
Ge (IS)	74	He	69686.42	0.7	89.5	70	120	
Kr	83	He	10.01	NaN	300.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	181084.67	1.1	93.9	70	120	
Tb (IS)	159	He	944776.19	0.2	100.4	70	120	
Bi (IS)	209	He	733455.81	0.3	97.2	70	120	

Sample Report

File Name 144SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:23:34

Sample Name **460-300428-K-7-A**

Comment ---

Dilution **1.0000**

Vial # 3410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.156	ug/l	5.5	1800	
B	11	6	No Gas	106.372	ug/l	3.3	1800	
Na	23	45	He	81451.043	ug/l	0.6	450000	
Mg	24	45	He	19971.378	ug/l	0.5	450000	
Al	27	45	He	62.279	ug/l	1.8	450000	
K	39	45	He	2356.986	ug/l	0.2	450000	
Ca	40	45	H2	81363.177	ug/l	2.3	900000	
Ti	47	45	No Gas	3.600	ug/l	14.6	9000	
V	51	74	He	0.007	ug/l	301.6	4500	
Cr	52	74	He	2.778	ug/l	6.6	18000	
Mn	55	74	He	1471.550	ug/l	0.3	18000	
Fe	56	74	H2	960.240	ug/l	2.9	450000	
Co	59	74	He	29.451	ug/l	1.2	1800	
Ni	60	74	He	33.447	ug/l	1.1	18000	
Cu	63	74	He	0.934	ug/l	5.1	18000	
Zn	66	74	He	31.692	ug/l	1.6	18000	
As	75	74	He	0.791	ug/l	30.7	4500	
Se	78	74	H2	0.060	ug/l	50.8	2700	
Sr	88	115	He	204.503	ug/l	1.5	4500	
Mo	95	115	He	0.584	ug/l	11.0	1800	
Ag	107	115	He	0.012	ug/l	6.4	900	
Cd	111	115	He	0.209	ug/l	14.9	4500	
Sn	118	115	He	-2.734	ug/l	N/A	1800	
Sb	121	115	He	0.020	ug/l	56.0	900	
Ba	137	159	He	117.833	ug/l	1.5	18000	
Tl	205	159	He	-0.112	ug/l	N/A	900	
(Pb)	206	209	He	8.204	ug/l	2.7		
(Pb)	207	209	He	8.130	ug/l	2.2		
Pb	208	209	He	8.173	ug/l	1.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5129688.57	1.2	96.7	70	120	
Sc (ISICPMS)	45	No Gas	11351428.58	0.2	95.0	70	120	
Sc (ISICPMS)	45	H2	2895132.39	1.5	85.1	70	120	
Sc (ISICPMS)	45	He	124825.62	0.4	85.5	70	120	
Ge (IS)	74	H2	629072.39	1.7	89.6	70	120	
Ge (IS)	74	He	71401.24	0.8	91.7	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	183335.05	0.6	95.0	70	120	
Tb (IS)	159	He	962183.75	0.7	102.2	70	120	
Bi (IS)	209	He	759822.44	0.1	100.7	70	120	

Sample Report

File Name 145SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:25:55

Sample Name **460-300428-K-12-A**

Comment ---

Dilution **1.0000**

Vial # 3411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.004	ug/l	N/A	1800	
B	11	6	No Gas	2.117	ug/l	4.8	1800	
Na	23	45	He	56.273	ug/l	3.3	450000	
Mg	24	45	He	2.905	ug/l	15.9	450000	
Al	27	45	He	5.002	ug/l	32.2	450000	
K	39	45	He	4.817	ug/l	161.6	450000	
Ca	40	45	H2	16.282	ug/l	2.8	900000	
Ti	47	45	No Gas	0.629	ug/l	3.2	9000	
V	51	74	He	-0.120	ug/l	N/A	4500	
Cr	52	74	He	-0.293	ug/l	N/A	18000	
Mn	55	74	He	1.067	ug/l	10.9	18000	
Fe	56	74	H2	480.683	ug/l	1.0	450000	
Co	59	74	He	0.001	ug/l	478.3	1800	
Ni	60	74	He	0.054	ug/l	23.4	18000	
Cu	63	74	He	0.749	ug/l	1.1	18000	
Zn	66	74	He	1.164	ug/l	38.1	18000	
As	75	74	He	0.046	ug/l	144.4	4500	
Se	78	74	H2	0.002	ug/l	1415.8	2700	
Sr	88	115	He	0.100	ug/l	52.8	4500	
Mo	95	115	He	0.028	ug/l	52.3	1800	
Ag	107	115	He	0.000	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.826	ug/l	N/A	1800	
Sb	121	115	He	0.006	ug/l	58.2	900	
Ba	137	159	He	0.058	ug/l	51.7	18000	
Tl	205	159	He	-0.122	ug/l	N/A	900	
(Pb)	206	209	He	0.021	ug/l	43.6		
(Pb)	207	209	He	-0.014	ug/l	N/A		
Pb	208	209	He	0.010	ug/l	21.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5298984.33	1.2	99.9	70	120	
Sc (ISICPMS)	45	No Gas	11496644.69	0.9	96.3	70	120	
Sc (ISICPMS)	45	H2	2956711.59	1.0	86.9	70	120	
Sc (ISICPMS)	45	He	129693.94	0.3	88.9	70	120	
Ge (IS)	74	H2	621603.84	0.9	88.5	70	120	
Ge (IS)	74	He	71019.37	1.1	91.2	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	190349.26	1.3	98.7	70	120	
Tb (IS)	159	He	981595.54	0.9	104.3	70	120	
Bi (IS)	209	He	785855.95	0.7	104.2	70	120	

Continuing Calibration Verification (CCV)

File Name 146_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:28:15

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	97.676	ug/l	2.9	100	90	110	
B	11	6	No Gas	232.163	ug/l	2.6	250	225	275	
Na	23	45	He	26323.754	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25905.326	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25450.511	ug/l	0.6	25000	22500	27500	
K	39	45	He	24474.338	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	25504.404	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	96.478	ug/l	2.6	100	90	110	
V	51	74	He	95.629	ug/l	0.5	100	90	110	
Cr	52	74	He	95.491	ug/l	0.3	100	90	110	
Mn	55	74	He	95.377	ug/l	1.4	100	90	110	
Fe	56	74	H2	25478.564	ug/l	1.7	25000	22500	27500	
Co	59	74	He	98.393	ug/l	0.4	100	90	110	
Ni	60	74	He	98.287	ug/l	1.8	100	90	110	
Cu	63	74	He	100.349	ug/l	0.6	100	90	110	
Zn	66	74	He	244.348	ug/l	0.9	250	225	275	
As	75	74	He	94.265	ug/l	2.3	100	90	110	
Se	78	74	H2	103.494	ug/l	2.4	100	90	110	
Sr	88	115	He	92.663	ug/l	0.9	100	90	110	
Mo	95	115	He	99.184	ug/l	0.8	100	90	110	
Ag	107	115	He	50.823	ug/l	0.8	50	45	55	
Cd	111	115	He	100.290	ug/l	0.8	100	90	110	
Sn	118	115	He	100.494	ug/l	0.5	100	90	110	
Sb	121	115	He	103.518	ug/l	0.6	100	90	110	
Ba	137	159	He	94.146	ug/l	1.2	100	90	110	
Tl	205	159	He	101.231	ug/l	0.6	100	90	110	
(Pb)	206	209	He	101.790	ug/l	0.9				
(Pb)	207	209	He	101.857	ug/l	0.2				
Pb	208	209	He	101.564	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5157587.01	0.6	97.3	70	120	
Sc (ISICPMS)	45	No Gas	10983889.97	0.4	92.0	70	120	
Sc (ISICPMS)	45	H2	2787566.97	1.1	81.9	70	120	
Sc (ISICPMS)	45	He	120844.46	0.8	82.8	70	120	
Ge (IS)	74	H2	603337.39	1.6	85.9	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	68933.13	0.2	88.5	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	180406.74	1.2	93.5	70	120	
Tb (IS)	159	He	964848.62	1.0	102.5	70	120	
Bi (IS)	209	He	757296.99	0.7	100.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 147_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:30:35

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.008	ug/l	41.2	0.8	-0.8	0.8	
B	11	6	No Gas	2.663	ug/l	4.8	80	-80	80	
Na	23	45	He	16.347	ug/l	4.0	500	-500	500	
Mg	24	45	He	2.107	ug/l	14.3	200	-200	200	
Al	27	45	He	1.852	ug/l	72.2	40	-40	40	
K	39	45	He	13.035	ug/l	79.8	200	-200	200	
Ca	40	45	H2	6.217	ug/l	2.4	500	-500	500	
Ti	47	45	No Gas	0.436	ug/l	25.0	4	-4	4	
V	51	74	He	-0.127	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.108	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.003	ug/l	1424.2	8	-8	8	
Fe	56	74	H2	3.554	ug/l	4.0	120	-120	120	
Co	59	74	He	-0.014	ug/l	N/A	4	-4	4	
Ni	60	74	He	-0.080	ug/l	N/A	4	-4	4	
Cu	63	74	He	-0.064	ug/l	N/A	4	-4	4	
Zn	66	74	He	0.535	ug/l	52.5	16	-16	16	
As	75	74	He	0.041	ug/l	338.7	2	-2	2	
Se	78	74	H2	0.162	ug/l	19.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.011	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.124	ug/l	17.1	4	-4	4	
Ag	107	115	He	0.000	ug/l	1334.8	2	-2	2	
Cd	111	115	He	0.008	ug/l	0.8	2	-2	2	
Sn	118	115	He	-2.785	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.044	ug/l	57.7	2	-2	2	
Ba	137	159	He	0.007	ug/l	408.0	4	-4	4	
Tl	205	159	He	0.035	ug/l	21.5	0.8	-0.8	0.8	
(Pb)	206	209	He	0.004	ug/l	466.1				
(Pb)	207	209	He	-0.014	ug/l	N/A				
Pb	208	209	He	0.006	ug/l	154.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5235759.40	0.8	98.7	70	120	
Sc (ISICPMS)	45	No Gas	11311992.47	0.5	94.7	70	120	
Sc (ISICPMS)	45	H2	2891501.63	0.7	85.0	70	120	
Sc (ISICPMS)	45	He	125996.26	0.9	86.3	70	120	
Ge (IS)	74	H2	607997.05	1.1	86.6	70	120	
Ge (IS)	74	He	69286.90	0.9	89.0	70	120	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	187305.89	0.6	97.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	962860.38	0.6	102.3	70	120	
Bi (IS)	209	He	782179.76	0.6	103.7	70	120	

Sample Report

File Name 148SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:32:56

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.003	ug/l	N/A	1800	
B	11	6	No Gas	1.879	ug/l	5.8	1800	
Na	23	45	He	18.532	ug/l	19.0	450000	
Mg	24	45	He	1.023	ug/l	23.5	450000	
Al	27	45	He	0.531	ug/l	83.0	450000	
K	39	45	He	5.415	ug/l	209.9	450000	
Ca	40	45	H2	2.253	ug/l	17.8	900000	
Ti	47	45	No Gas	0.264	ug/l	23.2	9000	
V	51	74	He	-0.075	ug/l	N/A	4500	
Cr	52	74	He	-0.282	ug/l	N/A	18000	
Mn	55	74	He	-0.060	ug/l	N/A	18000	
Fe	56	74	H2	0.908	ug/l	18.3	450000	
Co	59	74	He	-0.012	ug/l	N/A	1800	
Ni	60	74	He	-0.099	ug/l	N/A	18000	
Cu	63	74	He	-0.022	ug/l	N/A	18000	
Zn	66	74	He	0.549	ug/l	66.7	18000	
As	75	74	He	0.017	ug/l	304.8	4500	
Se	78	74	H2	0.094	ug/l	52.0	2700	
Sr	88	115	He	-0.001	ug/l	N/A	4500	
Mo	95	115	He	0.048	ug/l	19.2	1800	
Ag	107	115	He	-0.003	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.713	ug/l	N/A	1800	
Sb	121	115	He	0.015	ug/l	242.2	900	
Ba	137	159	He	-0.001	ug/l	N/A	18000	
Tl	205	159	He	-0.087	ug/l	N/A	900	
(Pb)	206	209	He	0.078	ug/l	22.0		
(Pb)	207	209	He	0.079	ug/l	19.1		
Pb	208	209	He	0.081	ug/l	13.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5200087.42	0.5	98.1	70	120	
Sc (ISICPMS)	45	No Gas	11323689.69	0.6	94.8	70	120	
Sc (ISICPMS)	45	H2	2933742.63	1.1	86.2	70	120	
Sc (ISICPMS)	45	He	126918.06	0.5	87.0	70	120	
Ge (IS)	74	H2	612293.48	1.0	87.2	70	120	
Ge (IS)	74	He	69646.29	0.6	89.4	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	187214.33	0.8	97.1	70	120	
Tb (IS)	159	He	957936.36	0.9	101.8	70	120	
Bi (IS)	209	He	777706.74	0.2	103.1	70	120	

Sample Report

File Name 149SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:35:17

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.006	ug/l	N/A	1800	
B	11	6	No Gas	1.682	ug/l	4.0	1800	
Na	23	45	He	16.323	ug/l	24.4	450000	
Mg	24	45	He	0.638	ug/l	51.4	450000	
Al	27	45	He	0.454	ug/l	279.7	450000	
K	39	45	He	5.313	ug/l	167.2	450000	
Ca	40	45	H2	1.838	ug/l	24.3	900000	
Ti	47	45	No Gas	0.217	ug/l	20.1	9000	
V	51	74	He	-0.096	ug/l	N/A	4500	
Cr	52	74	He	-0.265	ug/l	N/A	18000	
Mn	55	74	He	-0.108	ug/l	N/A	18000	
Fe	56	74	H2	0.735	ug/l	27.2	450000	
Co	59	74	He	-0.015	ug/l	N/A	1800	
Ni	60	74	He	-0.070	ug/l	N/A	18000	
Cu	63	74	He	-0.066	ug/l	N/A	18000	
Zn	66	74	He	-0.122	ug/l	N/A	18000	
As	75	74	He	0.062	ug/l	93.1	4500	
Se	78	74	H2	0.035	ug/l	86.5	2700	
Sr	88	115	He	-0.024	ug/l	N/A	4500	
Mo	95	115	He	0.030	ug/l	79.9	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.004	ug/l	166.6	4500	
Sn	118	115	He	-2.757	ug/l	N/A	1800	
Sb	121	115	He	0.000	ug/l	N/A	900	
Ba	137	159	He	-0.061	ug/l	N/A	18000	
Tl	205	159	He	-0.093	ug/l	N/A	900	
(Pb)	206	209	He	0.102	ug/l	2.7		
(Pb)	207	209	He	0.059	ug/l	47.3		
Pb	208	209	He	0.081	ug/l	7.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5230482.35	1.2	98.6	70	120	
Sc (ISICPMS)	45	No Gas	11324427.47	1.2	94.8	70	120	
Sc (ISICPMS)	45	H2	2910313.67	1.3	85.6	70	120	
Sc (ISICPMS)	45	He	127174.81	1.3	87.2	70	120	
Ge (IS)	74	H2	608325.68	0.6	86.7	70	120	
Ge (IS)	74	He	69438.65	1.0	89.2	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185004.79	1.3	95.9	70	120	
Tb (IS)	159	He	953711.77	0.5	101.3	70	120	
Bi (IS)	209	He	771248.32	0.9	102.2	70	120	

Sample Report

File Name 150SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:37:39

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.003	ug/l	N/A	1800	
B	11	6	No Gas	1.695	ug/l	11.3	1800	
Na	23	45	He	17.892	ug/l	10.7	450000	
Mg	24	45	He	0.440	ug/l	186.2	450000	
Al	27	45	He	1.913	ug/l	97.7	450000	
K	39	45	He	0.382	ug/l	2727.5	450000	
Ca	40	45	H2	1.507	ug/l	13.9	900000	
Ti	47	45	No Gas	0.241	ug/l	21.8	9000	
V	51	74	He	-0.084	ug/l	N/A	4500	
Cr	52	74	He	-0.046	ug/l	N/A	18000	
Mn	55	74	He	-0.029	ug/l	N/A	18000	
Fe	56	74	H2	0.549	ug/l	18.7	450000	
Co	59	74	He	-0.017	ug/l	N/A	1800	
Ni	60	74	He	-0.091	ug/l	N/A	18000	
Cu	63	74	He	-0.013	ug/l	N/A	18000	
Zn	66	74	He	0.506	ug/l	11.0	18000	
As	75	74	He	-0.028	ug/l	N/A	4500	
Se	78	74	H2	0.048	ug/l	40.2	2700	
Sr	88	115	He	-0.027	ug/l	N/A	4500	
Mo	95	115	He	0.029	ug/l	65.8	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	9909.0	4500	
Sn	118	115	He	-2.815	ug/l	N/A	1800	
Sb	121	115	He	0.014	ug/l	134.3	900	
Ba	137	159	He	-0.011	ug/l	N/A	18000	
Tl	205	159	He	-0.090	ug/l	N/A	900	
(Pb)	206	209	He	0.071	ug/l	15.9		
(Pb)	207	209	He	0.078	ug/l	33.5		
Pb	208	209	He	0.071	ug/l	21.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5249576.45	0.5	99.0	70	120	
Sc (ISICPMS)	45	No Gas	11333398.58	1.3	94.9	70	120	
Sc (ISICPMS)	45	H2	2926703.74	1.0	86.0	70	120	
Sc (ISICPMS)	45	He	127663.37	0.6	87.5	70	120	
Ge (IS)	74	H2	610104.96	1.0	86.9	70	120	
Ge (IS)	74	He	70037.98	0.6	89.9	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186921.53	1.5	96.9	70	120	
Tb (IS)	159	He	960487.88	0.4	102.0	70	120	
Bi (IS)	209	He	770276.19	1.1	102.1	70	120	

Sample Report

File Name 151SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:40:00

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.005	ug/l	N/A	1800	
B	11	6	No Gas	1.569	ug/l	6.7	1800	
Na	23	45	He	14.665	ug/l	9.0	450000	
Mg	24	45	He	0.255	ug/l	93.8	450000	
Al	27	45	He	0.879	ug/l	57.1	450000	
K	39	45	He	2.148	ug/l	261.8	450000	
Ca	40	45	H2	1.439	ug/l	21.6	900000	
Ti	47	45	No Gas	0.264	ug/l	14.9	9000	
V	51	74	He	-0.094	ug/l	N/A	4500	
Cr	52	74	He	-0.160	ug/l	N/A	18000	
Mn	55	74	He	-0.068	ug/l	N/A	18000	
Fe	56	74	H2	0.671	ug/l	17.2	450000	
Co	59	74	He	-0.017	ug/l	N/A	1800	
Ni	60	74	He	-0.084	ug/l	N/A	18000	
Cu	63	74	He	-0.033	ug/l	N/A	18000	
Zn	66	74	He	0.092	ug/l	233.5	18000	
As	75	74	He	-0.060	ug/l	N/A	4500	
Se	78	74	H2	0.022	ug/l	139.6	2700	
Sr	88	115	He	-0.024	ug/l	N/A	4500	
Mo	95	115	He	0.020	ug/l	15.8	1800	
Ag	107	115	He	-0.005	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	7815.7	4500	
Sn	118	115	He	-2.821	ug/l	N/A	1800	
Sb	121	115	He	-0.011	ug/l	N/A	900	
Ba	137	159	He	-0.015	ug/l	N/A	18000	
Tl	205	159	He	-0.098	ug/l	N/A	900	
(Pb)	206	209	He	0.095	ug/l	26.6		
(Pb)	207	209	He	0.076	ug/l	11.1		
Pb	208	209	He	0.081	ug/l	12.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5340725.48	1.4	100.7	70	120	
Sc (ISICPMS)	45	No Gas	11424381.50	1.7	95.6	70	120	
Sc (ISICPMS)	45	H2	2907507.70	1.3	85.5	70	120	
Sc (ISICPMS)	45	He	127334.22	1.3	87.3	70	120	
Ge (IS)	74	H2	605358.78	0.7	86.2	70	120	
Ge (IS)	74	He	69532.52	1.5	89.3	70	120	
Kr	83	He	6.67	86.6	200.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185882.51	1.2	96.4	70	120	
Tb (IS)	159	He	953872.34	1.0	101.3	70	120	
Bi (IS)	209	He	771449.41	0.0	102.3	70	120	

Sample Report

File Name 152SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:42:22

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.005	ug/l	N/A	1800	
B	11	6	No Gas	1.273	ug/l	5.6	1800	
Na	23	45	He	14.063	ug/l	33.5	450000	
Mg	24	45	He	0.045	ug/l	1274.3	450000	
Al	27	45	He	1.322	ug/l	49.6	450000	
K	39	45	He	3.932	ug/l	127.1	450000	
Ca	40	45	H2	0.989	ug/l	10.1	900000	
Ti	47	45	No Gas	0.198	ug/l	18.0	9000	
V	51	74	He	-0.085	ug/l	N/A	4500	
Cr	52	74	He	-0.194	ug/l	N/A	18000	
Mn	55	74	He	-0.041	ug/l	N/A	18000	
Fe	56	74	H2	0.551	ug/l	13.2	450000	
Co	59	74	He	-0.012	ug/l	N/A	1800	
Ni	60	74	He	-0.077	ug/l	N/A	18000	
Cu	63	74	He	-0.059	ug/l	N/A	18000	
Zn	66	74	He	0.265	ug/l	78.0	18000	
As	75	74	He	-0.038	ug/l	N/A	4500	
Se	78	74	H2	0.042	ug/l	27.5	2700	
Sr	88	115	He	-0.017	ug/l	N/A	4500	
Mo	95	115	He	0.019	ug/l	172.3	1800	
Ag	107	115	He	-0.006	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	32220.6	4500	
Sn	118	115	He	-2.766	ug/l	N/A	1800	
Sb	121	115	He	-0.011	ug/l	N/A	900	
Ba	137	159	He	-0.065	ug/l	N/A	18000	
Tl	205	159	He	-0.094	ug/l	N/A	900	
(Pb)	206	209	He	0.086	ug/l	6.6		
(Pb)	207	209	He	0.063	ug/l	30.1		
Pb	208	209	He	0.071	ug/l	5.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5415225.34	1.4	102.1	70	120	
Sc (ISICPMS)	45	No Gas	11443528.02	0.4	95.8	70	120	
Sc (ISICPMS)	45	H2	2921745.37	0.1	85.9	70	120	
Sc (ISICPMS)	45	He	127542.86	0.9	87.4	70	120	
Ge (IS)	74	H2	609523.97	0.2	86.8	70	120	
Ge (IS)	74	He	68934.04	0.8	88.5	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	185511.62	2.4	96.2	70	120	
Tb (IS)	159	He	951468.63	1.2	101.1	70	120	
Bi (IS)	209	He	770481.15	1.1	102.1	70	120	

Sample Report

File Name 153SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:44:43

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.004	ug/l	N/A	1800	
B	11	6	No Gas	1.300	ug/l	18.4	1800	
Na	23	45	He	15.574	ug/l	35.0	450000	
Mg	24	45	He	-0.019	ug/l	N/A	450000	
Al	27	45	He	1.401	ug/l	149.0	450000	
K	39	45	He	6.758	ug/l	92.4	450000	
Ca	40	45	H2	1.046	ug/l	35.3	900000	
Ti	47	45	No Gas	0.164	ug/l	26.8	9000	
V	51	74	He	-0.136	ug/l	N/A	4500	
Cr	52	74	He	-0.187	ug/l	N/A	18000	
Mn	55	74	He	-0.070	ug/l	N/A	18000	
Fe	56	74	H2	0.548	ug/l	32.4	450000	
Co	59	74	He	-0.022	ug/l	N/A	1800	
Ni	60	74	He	-0.106	ug/l	N/A	18000	
Cu	63	74	He	-0.047	ug/l	N/A	18000	
Zn	66	74	He	0.181	ug/l	43.2	18000	
As	75	74	He	-0.060	ug/l	N/A	4500	
Se	78	74	H2	-0.005	ug/l	N/A	2700	
Sr	88	115	He	-0.003	ug/l	N/A	4500	
Mo	95	115	He	0.020	ug/l	89.3	1800	
Ag	107	115	He	-0.003	ug/l	N/A	900	
Cd	111	115	He	0.000	ug/l	10047.6	4500	
Sn	118	115	He	-2.788	ug/l	N/A	1800	
Sb	121	115	He	-0.002	ug/l	N/A	900	
Ba	137	159	He	-0.056	ug/l	N/A	18000	
Tl	205	159	He	-0.093	ug/l	N/A	900	
(Pb)	206	209	He	0.075	ug/l	50.5		
(Pb)	207	209	He	0.057	ug/l	14.5		
Pb	208	209	He	0.073	ug/l	10.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5337878.12	0.7	100.7	70	120	
Sc (ISICPMS)	45	No Gas	11472396.64	0.2	96.0	70	120	
Sc (ISICPMS)	45	H2	2924093.85	0.7	86.0	70	120	
Sc (ISICPMS)	45	He	127430.14	0.4	87.3	70	120	
Ge (IS)	74	H2	608424.46	0.1	86.7	70	120	
Ge (IS)	74	He	69100.42	0.7	88.7	70	120	
Kr	83	He	0.00	N/A	0.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	186055.53	0.9	96.5	70	120	
Tb (IS)	159	He	945656.02	0.5	100.5	70	120	
Bi (IS)	209	He	768483.30	1.1	101.9	70	120	

Sample Report

File Name 154SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032324.b

Acq Time 2024-03-23 16:47:04

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	-0.007	ug/l	N/A	1800	
B	11	6	No Gas	1.193	ug/l	6.4	1800	
Na	23	45	He	14.998	ug/l	15.8	450000	
Mg	24	45	He	0.037	ug/l	569.2	450000	
Al	27	45	He	0.724	ug/l	148.2	450000	
K	39	45	He	3.804	ug/l	191.0	450000	
Ca	40	45	H2	0.988	ug/l	33.4	900000	
Ti	47	45	No Gas	0.142	ug/l	46.3	9000	
V	51	74	He	-0.131	ug/l	N/A	4500	
Cr	52	74	He	-0.171	ug/l	N/A	18000	
Mn	55	74	He	-0.077	ug/l	N/A	18000	
Fe	56	74	H2	0.319	ug/l	34.5	450000	
Co	59	74	He	-0.017	ug/l	N/A	1800	
Ni	60	74	He	-0.069	ug/l	N/A	18000	
Cu	63	74	He	-0.015	ug/l	N/A	18000	
Zn	66	74	He	0.357	ug/l	75.7	18000	
As	75	74	He	-0.039	ug/l	N/A	4500	
Se	78	74	H2	0.041	ug/l	55.0	2700	
Sr	88	115	He	-0.015	ug/l	N/A	4500	
Mo	95	115	He	-0.005	ug/l	N/A	1800	
Ag	107	115	He	-0.002	ug/l	N/A	900	
Cd	111	115	He	-0.004	ug/l	0.0	4500	
Sn	118	115	He	-2.798	ug/l	N/A	1800	
Sb	121	115	He	0.005	ug/l	416.0	900	
Ba	137	159	He	-0.037	ug/l	N/A	18000	
Tl	205	159	He	-0.091	ug/l	N/A	900	
(Pb)	206	209	He	0.090	ug/l	36.8		
(Pb)	207	209	He	0.073	ug/l	24.2		
Pb	208	209	He	0.079	ug/l	27.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5293789.96	1.7	99.8	70	120	
Sc (ISICPMS)	45	No Gas	11483620.66	1.6	96.1	70	120	
Sc (ISICPMS)	45	H2	2952866.00	0.1	86.8	70	120	
Sc (ISICPMS)	45	He	128886.75	1.1	88.3	70	120	
Ge (IS)	74	H2	612575.29	0.3	87.3	70	120	
Ge (IS)	74	He	69440.96	2.0	89.2	70	120	
Kr	83	He	3.34	173.2	100.0			

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	187331.62	1.6	97.1	70	120	
Tb (IS)	159	He	949780.25	1.5	100.9	70	120	
Bi (IS)	209	He	768924.01	0.8	101.9	70	120	

US EPA Tune Check Report

Operator Name	Ediicpms3
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\NM032324.b
Acq. Date-Time	2024-03-23 10:45:05
Report Comment	EPA TUNE REPORT
Instrument Name	G8403A JP16121357

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	7466	74664.31	0.00		2.643	5.000
24	10.00	33260	332603.41	0.00		0.830	5.000
25	10.00	4533	45333.36	0.00		1.523	5.000
26	10.00	5486	54858.57	0.00		1.729	5.000
59	10.00	51015	510148.80	0.00		2.512	5.000
115	10.00	68085	680853.18	0.00		1.911	5.000
206	10.00	18963	189633.35	0.00		4.491	5.000
207	10.00	16377	163772.00	0.00		4.070	5.000
208	10.00	39175	391752.94	0.00		3.415	5.000

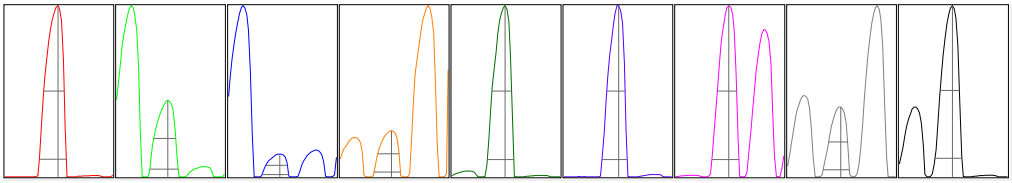
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7148	7654	7428	7590	7512
24	32890	33416	33450	33505	33041
25	4496	4557	4642	4505	4467
26	5339	5495	5597	5526	5472
59	49527	52145	50674	50198	52530
115	67057	68313	67232	70248	67576
206	19793	19598	19252	18393	17780
207	17028	16793	16735	15805	15525
208	40907	40069	39065	37609	38226

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	14133.90	9.00	8.90 - 9.10	
24	60779.42	23.95	23.90 - 24.10	
25	8101.68	24.95	24.90 - 25.10	
26	9482.81	25.95	25.90 - 26.10	
59	99647.02	59.00	58.90 - 59.10	
115	141565.17	115.05	114.90 - 115.10	
206	36653.88	206.00	205.90 - 206.10	
207	31472.36	207.00	206.90 - 207.10	
208	77247.31	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.56	0.736	0.900	
24	0.60	0.772	0.900	
25	0.59	0.728	0.900	
26	0.58	0.724	0.900	
59	0.54	0.724	0.900	
115	0.50	0.692	0.900	
206	0.53	0.743	0.900	
207	0.52	0.717	0.900	
208	0.53	0.736	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.08 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.6 V	Deflect	13.2 V
Extract 2	-235.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

QP Parameters

Mass Gain	139	Axis Gain	1.0012	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.06		

Hardware Settings

Torch

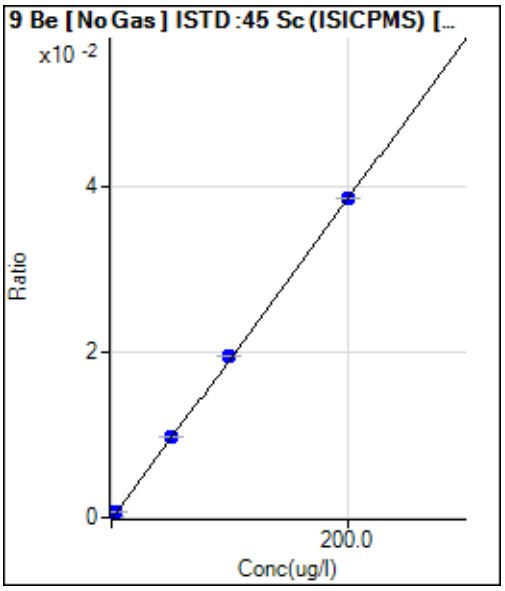
Torch H	0.6 mm	Torch V	-0.4 mm		

EM

Discriminator	4.8 mV	Analog HV	2485 V	Pulse HV	2000 V

Batch Folder: C:\Agilent\ICPMH\1\DATA\NM032324.b\
Analysis File: NM032324.batch.bin
DA Date-Time: 2024-03-23 16:08:11
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

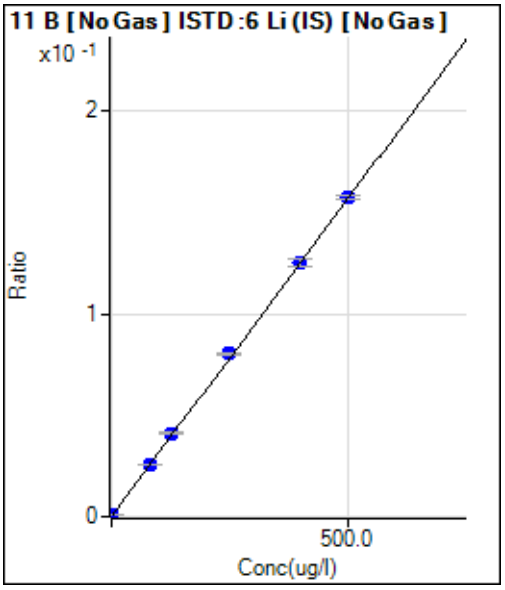
Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC Cal Blk	2024-03-23 10:55:39
2	005CALS.d	IC Cal-1	2024-03-23 10:58:30
3	006CALS.d	IC Cal-2	2024-03-23 11:01:04
4	007CALS.d	IC Cal-3	2024-03-23 11:03:37
5	008CALS.d	IC Cal-4	2024-03-23 11:06:08
6	009CALS.d	IC Cal-5	2024-03-23 11:08:39



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	25.56	0.0000	P	31.6	
2	☐	0.800	0.746	1764.56	0.0001	P	5.7	-6.8
3	☐	4.000	3.996	9401.78	0.0008	P	2.6	-0.1
4	☐	50.000	50.804	117772.38	0.0099	P	0.3	1.6
5	☐	100.000	100.774	235182.80	0.0195	P	0.4	0.8
6	☐	200.000	199.412	469792.67	0.0387	P	0.5	-0.3

y = 1.9390E-004 * x + 2.1335E-006
R = 1.0000
DL = 0.01044 ug/l
BEC = 0.011 ug/l

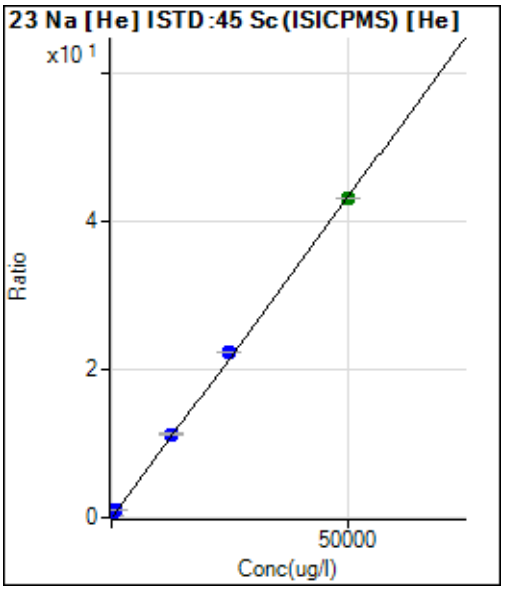
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5031.95	0.0009	P	2.4	
2	☐	80.000	79.551	136625.29	0.0259	P	1.2	-0.6
3	☐	400.000	396.663	668491.53	0.1251	P	2.8	-0.8
4	☐	125.000	128.199	215481.79	0.0411	P	1.5	2.6
5	☐	250.000	254.017	418982.40	0.0805	P	1.0	1.6
6	☐	500.000	499.933	827932.65	0.1574	P	0.8	0.0

y = 3.1303E-004 * x + 9.4916E-004
R = 0.9999
DL = 0.2164 ug/l
BEC = 3.032 ug/l

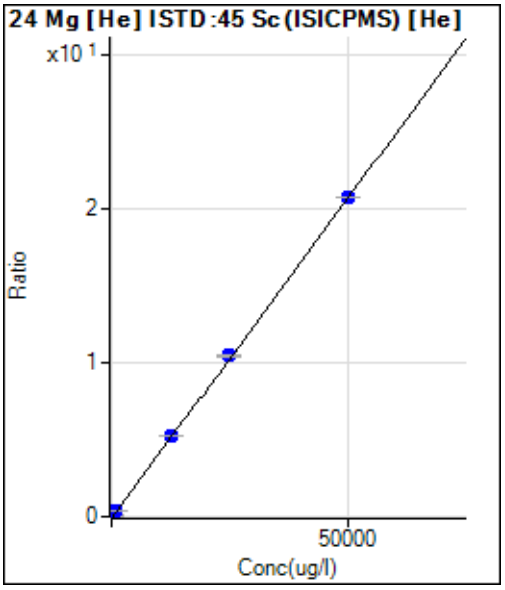
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21389.38	0.1466	P	0.5	
2	☐	200.000	222.347	49555.21	0.3389	P	1.4	11.
3	☐	1000.000	1053.857	154300.00	1.0580	P	1.0	5.4
4	☐	12500.00	12840.50	1659894.47	11.2521	P	0.8	2.7
5	☐	25000.00	25653.80	3292003.04	22.3340	P	0.6	2.6
6	☐	50000.00	49586.80	6379115.60	43.0332	A	0.2	-0.8

y = 8.6488E-004 * x + 0.1466
R = 0.9998
DL = 2.495 ug/l
BEC = 169.5 ug/l

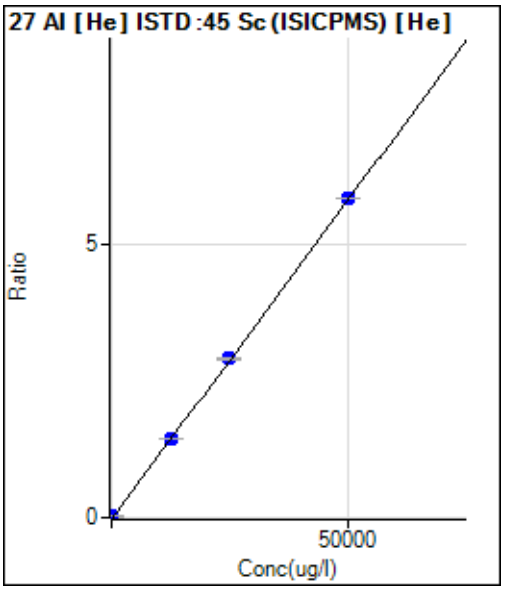
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	150.00	0.0010	P	15.6	
2	☐	200.000	204.107	12561.84	0.0859	P	0.3	2.1
3	☐	1000.000	1014.669	61682.45	0.4230	P	0.7	1.5
4	☐	12500.00	12572.55	771384.16	5.2290	P	0.8	0.6
5	☐	25000.00	25157.71	1542112.53	10.4622	P	0.9	0.6
6	☐	50000.00	49902.69	3076145.06	20.7518	P	0.5	-0.2

y = 4.1583E-004 * x + 0.0010
R = 1.0000
DL = 1.161 ug/l
BEC = 2.472 ug/l

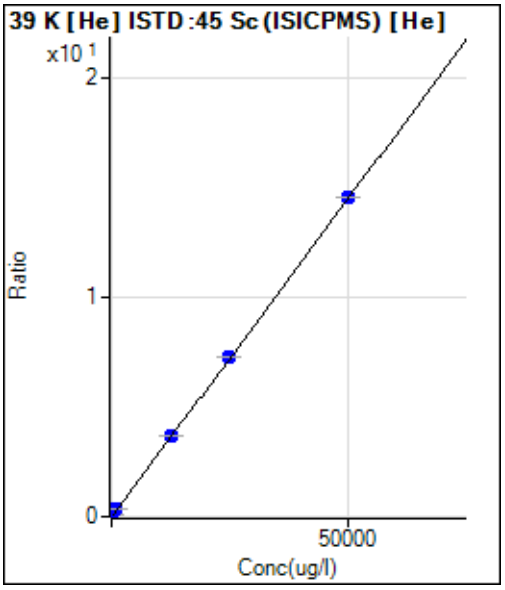
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	103.34	0.0007	P	14.7	
2	☐	40.000	43.377	846.70	0.0058	P	10.0	8.4
3	☐	200.000	201.549	3545.99	0.0243	P	2.1	0.8
4	☐	12500.00	12460.46	215395.18	1.4601	P	0.5	-0.3
5	☐	25000.00	24887.97	429752.87	2.9156	P	1.0	-0.4
6	☐	50000.00	50065.88	869323.41	5.8645	P	0.2	0.1

y = 1.1712E-004 * x + 7.0811E-004
R = 1.0000
DL = 2.665 ug/l
BEC = 6.046 ug/l

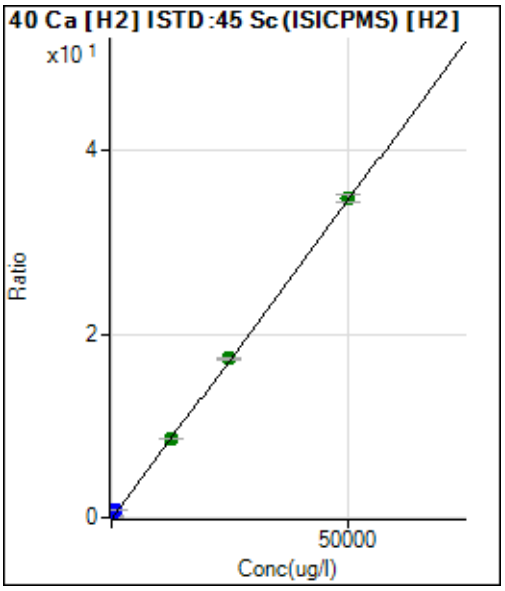
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7714.22	0.0529	P	4.8	
2	☐	200.000	205.402	16438.97	0.1124	P	2.1	2.7
3	☐	1000.000	1016.376	50688.71	0.3476	P	0.6	1.6
4	☐	12500.00	12454.47	540511.48	3.6640	P	0.9	-0.4
5	☐	25000.00	24945.38	1073900.44	7.2857	P	0.6	-0.2
6	☐	50000.00	50038.33	2158509.72	14.5613	P	0.2	0.1

y = 2.8995E-004 * x + 0.0529
R = 1.0000
DL = 26.48 ug/l
BEC = 182.3 ug/l

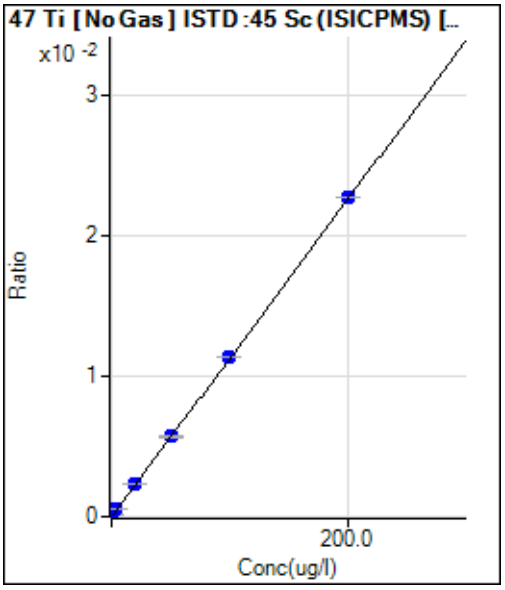
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	81687.37	0.0240	P	0.3	
2	☐	200.000	216.696	583012.53	0.1743	P	0.7	8.3
3	☐	1000.000	1033.295	2507256.09	0.7406	P	0.9	3.3
4	☐	12500.00	12275.43	28698083.74	8.5374	A	0.7	-1.8
5	☐	25000.00	24906.75	57938421.36	17.2977	A	2.0	-0.4
6	☐	50000.00	50102.03	118176421.5	34.7714	A	2.1	0.2

y = 6.9353E-004 * x + 0.0240
R = 1.0000
DL = 0.3146 ug/l
BEC = 34.62 ug/l

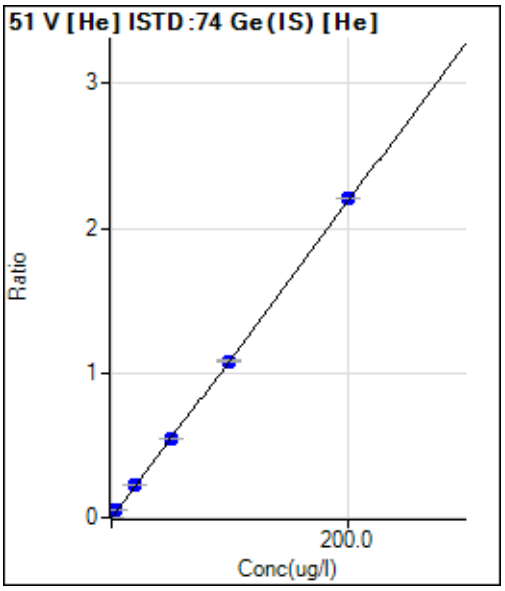
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1177.83	0.0001	P	2.7	
2	☐	4.000	3.942	6550.34	0.0005	P	4.7	-1.5
3	☐	20.000	19.596	28045.30	0.0023	P	1.5	-2.0
4	☐	50.000	49.775	68522.43	0.0057	P	1.5	-0.5
5	☐	100.000	99.664	136963.50	0.0114	P	0.3	-0.3
6	☐	200.000	200.266	276629.65	0.0228	P	0.6	0.1

y = 1.1320E-004 * x + 9.8589E-005
R = 1.0000
DL = 0.07143 ug/l
BEC = 0.8709 ug/l

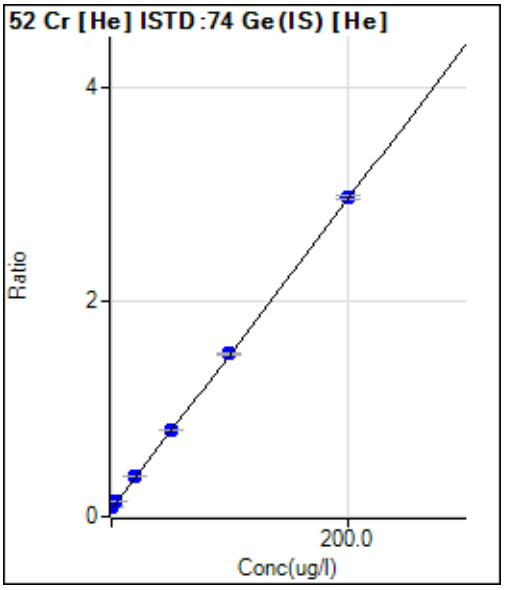
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	495.57	0.0064	P	3.3	
2	☐	4.000	4.027	3906.08	0.0505	P	0.5	0.7
3	☐	20.000	19.977	17604.78	0.2251	P	2.2	-0.1
4	☐	50.000	49.071	43113.81	0.5436	P	1.5	-1.9
5	☐	100.000	98.354	86737.05	1.0831	P	1.2	-1.6
6	☐	200.000	201.057	176110.36	2.2075	P	0.3	0.5

y = 0.0109 * x + 0.0064
R = 0.9999
DL = 0.05801 ug/l
BEC = 0.5812 ug/l

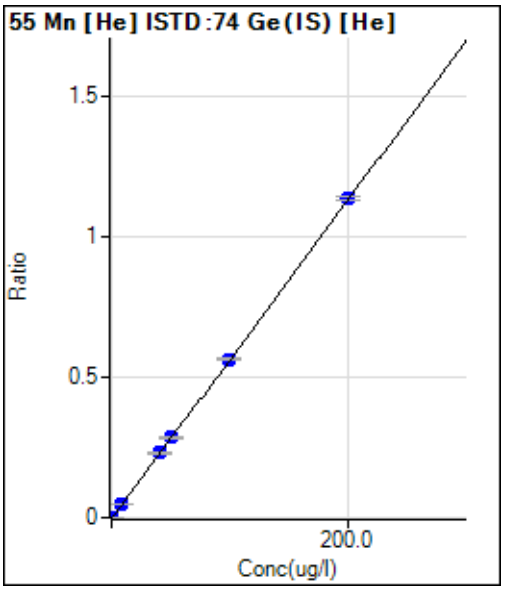
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6570.36	0.0844	P	2.9	
2	☐	4.000	4.073	11085.25	0.1432	P	0.5	1.8
3	☐	20.000	20.254	29478.89	0.3769	P	0.9	1.3
4	☐	50.000	50.043	64014.42	0.8071	P	0.8	0.1
5	☐	100.000	99.359	121662.42	1.5193	P	1.1	-0.6
6	☐	200.000	200.283	237477.79	2.9768	P	0.7	0.1

y = 0.0144 * x + 0.0844
R = 1.0000
DL = 0.5 ug/l
BEC = 5.841 ug/l

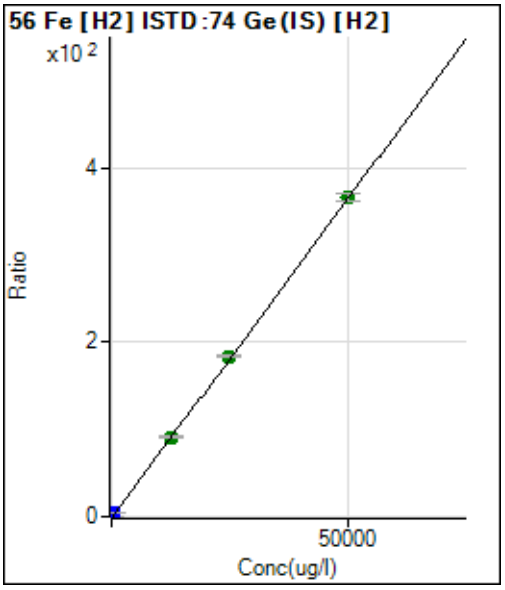
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	142.22	0.0018	P	12.9	
2	☐	8.000	8.277	3769.38	0.0487	P	1.7	3.5
3	☐	40.000	40.306	17989.72	0.2300	P	2.1	0.8
4	☐	50.000	50.287	22723.90	0.2865	P	1.9	0.6
5	☐	100.000	99.211	45122.12	0.5635	P	0.7	-0.8
6	☐	200.000	200.250	90582.59	1.1355	P	1.0	0.1

y = 0.0057 * x + 0.0018
R = 1.0000
DL = 0.1246 ug/l
BEC = 0.3226 ug/l

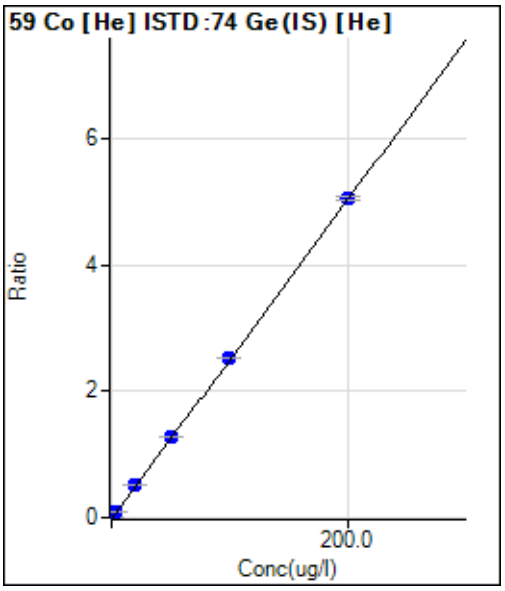
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	85850.71	0.1223	P	0.7	
2	☐	120.000	132.000	751243.26	1.0888	P	0.9	10.
3	☐	600.000	638.008	3344607.69	4.7938	P	1.8	6.3
4	☐	12500.00	12420.14	64615721.81	91.0633	A	2.1	-0.6
5	☐	25000.00	25062.34	129081843.6	183.630	A	1.4	0.2
6	☐	50000.00	49988.30	260063302.7	366.139	A	2.6	0.0

y = 0.0073 * x + 0.1223
R = 1.0000
DL = 0.3642 ug/l
BEC = 16.7 ug/l

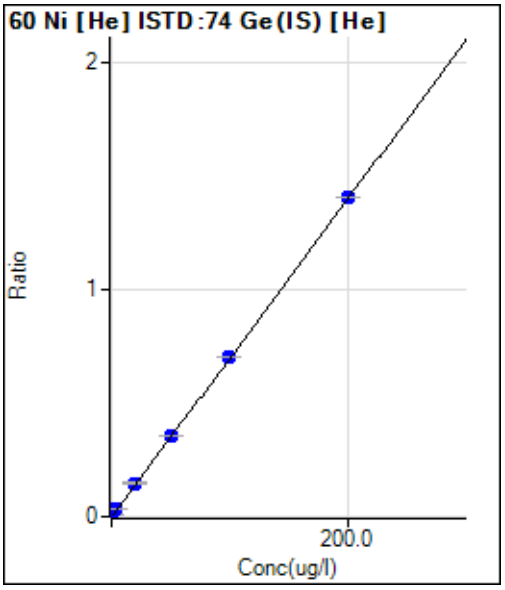
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	66.67	0.0009	P	32.9	
2	☐	4.000	4.050	8016.64	0.1035	P	1.6	1.2
3	☐	20.000	20.308	40345.34	0.5158	P	1.5	1.5
4	☐	50.000	50.474	101576.36	1.2806	P	0.8	0.9
5	☐	100.000	99.973	203059.30	2.5357	P	1.1	0.0
6	☐	200.000	199.863	404347.70	5.0685	P	0.6	-0.1

y = 0.0254 * x + 8.5648E-004
R = 1.0000
DL = 0.03331 ug/l
BEC = 0.03378 ug/l

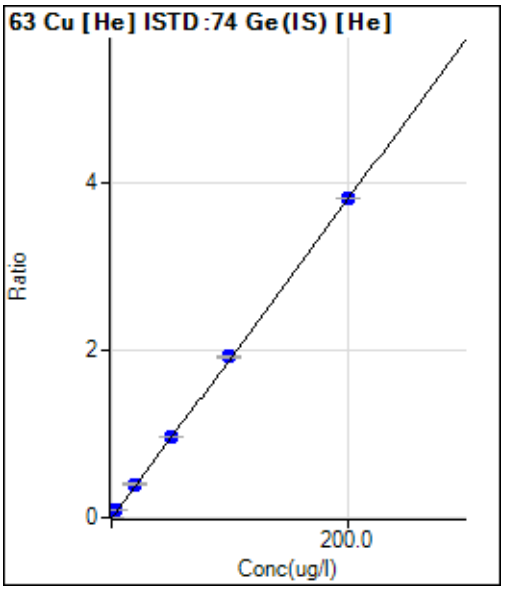
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	392.23	0.0050	P	7.5	
2	☐	4.000	4.272	2710.26	0.0350	P	4.9	6.8
3	☐	20.000	20.253	11510.02	0.1471	P	3.1	1.3
4	☐	50.000	50.401	28450.40	0.3587	P	1.0	0.8
5	☐	100.000	99.529	56330.02	0.7034	P	0.4	-0.5
6	☐	200.000	200.105	112417.93	1.4091	P	0.6	0.1

y = 0.0070 * x + 0.0050
R = 1.0000
DL = 0.1614 ug/l
BEC = 0.7177 ug/l

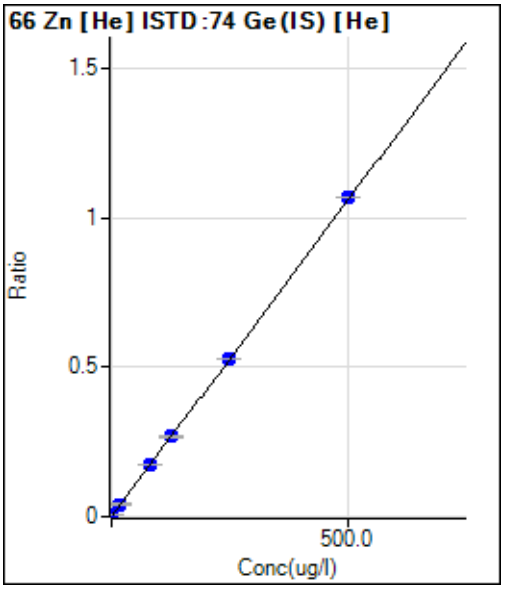
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	595.57	0.0076	P	7.9	
2	☐	4.000	4.356	7021.68	0.0907	P	2.2	8.9
3	☐	20.000	20.520	31200.40	0.3989	P	1.9	2.6
4	☐	50.000	50.567	77078.92	0.9718	P	0.6	1.1
5	☐	100.000	100.307	153762.10	1.9201	P	0.7	0.3
6	☐	200.000	199.646	304278.31	3.8141	P	0.4	-0.2

y = 0.0191 * x + 0.0076
R = 1.0000
DL = 0.09535 ug/l
BEC = 0.4012 ug/l

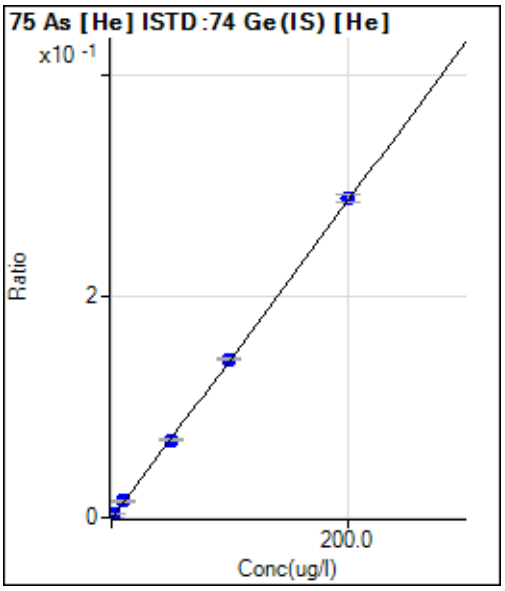
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	488.90	0.0063	P	6.2	
2	☐	16.000	16.663	3213.70	0.0415	P	6.5	4.1
3	☐	80.000	79.396	13624.04	0.1742	P	1.0	-0.8
4	☐	125.000	123.658	21238.54	0.2678	P	0.7	-1.1
5	☐	250.000	246.171	42188.59	0.5268	P	0.5	-1.5
6	☐	500.000	502.325	85241.14	1.0685	P	0.2	0.5

y = 0.0021 * x + 0.0063
R = 0.9999
DL = 0.5542 ug/l
BEC = 2.968 ug/l

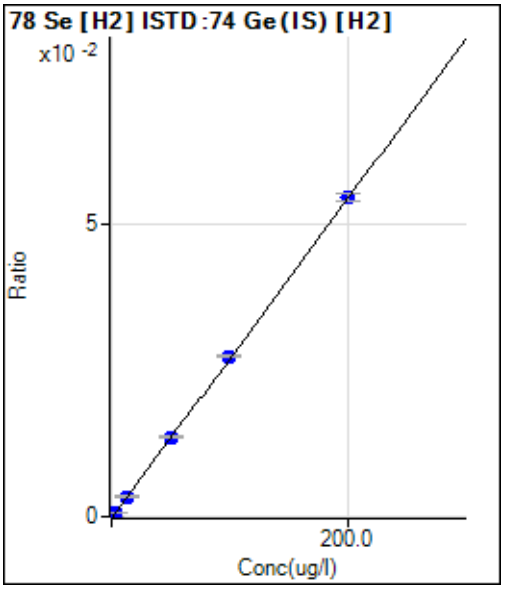
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0002	P	31.9	
2	☐	2.000	2.138	253.33	0.0033	P	19.2	6.9
3	☐	10.000	10.253	1168.94	0.0149	P	4.5	2.5
4	☐	50.000	48.727	5574.42	0.0703	P	1.8	-2.5
5	☐	100.000	99.294	11452.26	0.1430	P	1.2	-0.7
6	☐	200.000	200.657	23039.10	0.2888	P	1.9	0.3

y = 0.0014 * x + 1.9935E-004
R = 1.0000
DL = 0.1328 ug/l
BEC = 0.1386 ug/l

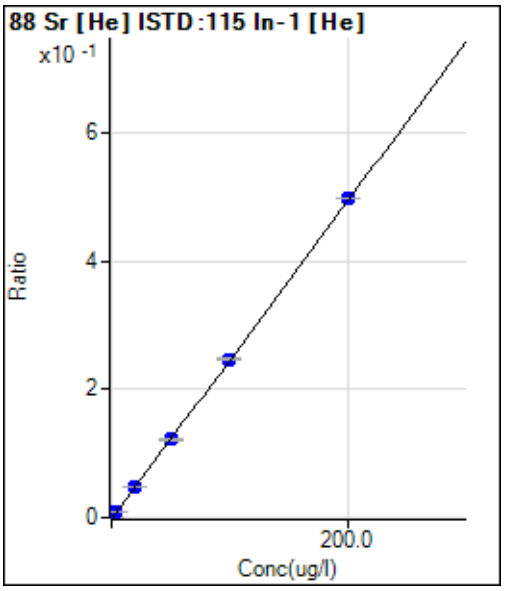
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2.22	0.0000	P	173.	
2	☐	2.500	2.571	487.79	0.0007	P	8.0	2.9
3	☐	12.500	12.453	2379.10	0.0034	P	6.6	-0.4
4	☐	50.000	49.831	9679.88	0.0136	P	1.2	-0.3
5	☐	100.000	100.438	19324.92	0.0275	P	1.4	0.4
6	☐	200.000	199.825	38847.62	0.0547	P	2.6	-0.1

y = 2.7369E-004 * x + 3.1712E-006
R = 1.0000
DL = 0.06021 ug/l
BEC = 0.01159 ug/l

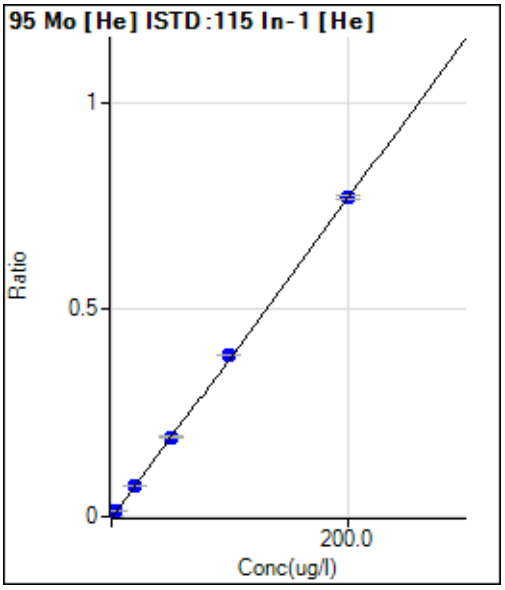
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	56.67	0.0003	P	30.9	
2	☐	4.000	3.896	1920.14	0.0100	P	7.9	-2.6
3	☐	20.000	19.463	9427.53	0.0486	P	1.6	-2.7
4	☐	50.000	48.868	23572.37	0.1215	P	1.1	-2.3
5	☐	100.000	99.375	47739.69	0.2468	P	1.5	-0.6
6	☐	200.000	200.651	96874.55	0.4980	P	0.6	0.3

y = 0.0025 * x + 2.9361E-004
R = 1.0000
DL = 0.1097 ug/l
BEC = 0.1184 ug/l

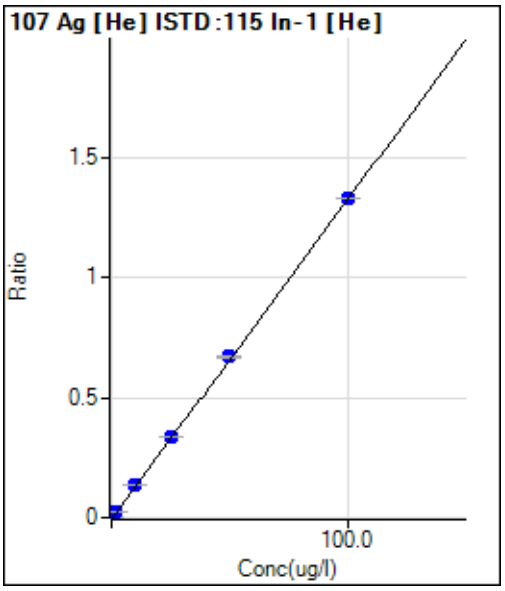
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	35.55	0.0002	P	46.9	
2	☐	4.000	3.944	2973.65	0.0154	P	5.8	-1.4
3	☐	20.000	19.657	14779.77	0.0761	P	1.1	-1.7
4	☐	50.000	49.445	37107.14	0.1912	P	2.0	-1.1
5	☐	100.000	101.068	75592.64	0.3907	P	0.6	1.1
6	☐	200.000	199.640	150114.21	0.7716	P	0.6	-0.2

y = 0.0039 * x + 1.8407E-004
R = 1.0000
DL = 0.06709 ug/l
BEC = 0.04764 ug/l

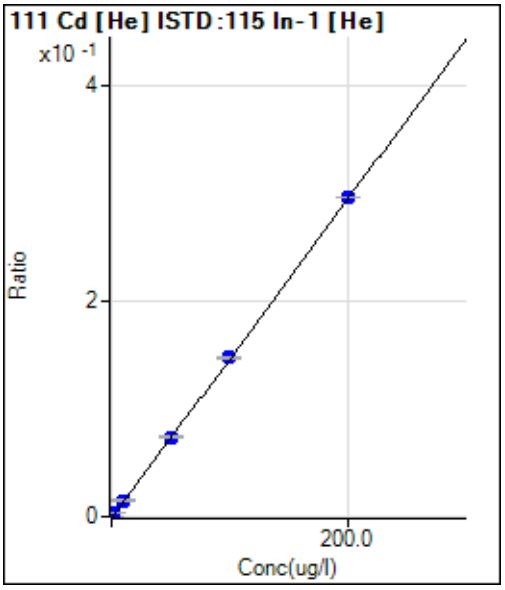
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	18.89	0.0001	P	27.2	
2	☐	2.000	2.027	5236.53	0.0272	P	1.8	1.4
3	☐	10.000	10.140	26285.01	0.1354	P	2.0	1.4
4	☐	25.000	25.263	65440.54	0.3373	P	1.0	1.1
5	☐	50.000	50.211	129674.44	0.6703	P	0.5	0.4
6	☐	100.000	99.814	259191.58	1.3323	P	0.6	-0.2

y = 0.0133 * x + 9.7986E-005
R = 1.0000
DL = 0.005996 ug/l
BEC = 0.007342 ug/l

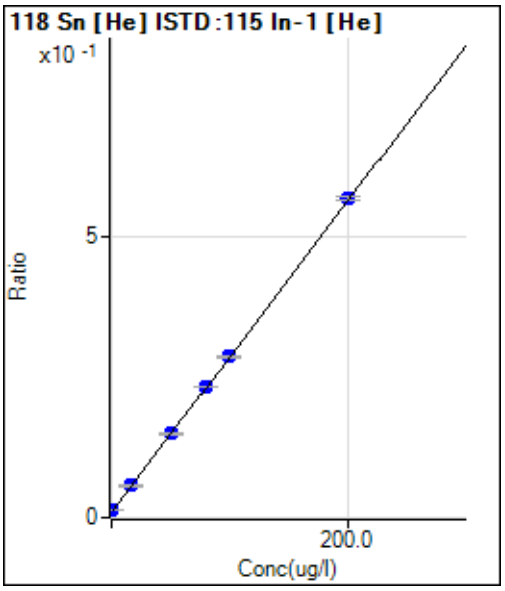
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1.11	0.0000	P	173.	
2	☐	2.000	2.023	578.91	0.0030	P	8.1	1.2
3	☐	10.000	10.219	2939.21	0.0151	P	3.1	2.2
4	☐	50.000	49.981	14364.98	0.0740	P	1.8	0.0
5	☐	100.000	99.725	28583.94	0.1477	P	1.1	-0.3
6	☐	200.000	200.131	57678.30	0.2965	P	0.2	0.1

y = 0.0015 * x + 5.8034E-006
R = 1.0000
DL = 0.02036 ug/l
BEC = 0.003918 ug/l

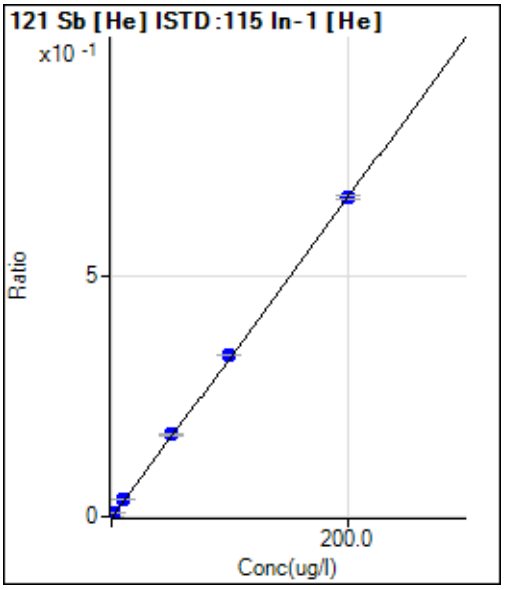
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2413.56	0.0125	P	3.1	
2	☐	16.000	15.892	10893.08	0.0565	P	2.9	-0.7
3	☐	80.000	79.548	45155.22	0.2326	P	0.7	-0.6
4	☐	50.000	49.363	28929.15	0.1491	P	1.5	-1.3
5	☐	100.000	99.009	55428.77	0.2865	P	1.0	-1.0
6	☐	200.000	200.845	110559.00	0.5683	P	1.5	0.4

y = 0.0028 * x + 0.0125
R = 1.0000
DL = 0.4218 ug/l
BEC = 4.521 ug/l

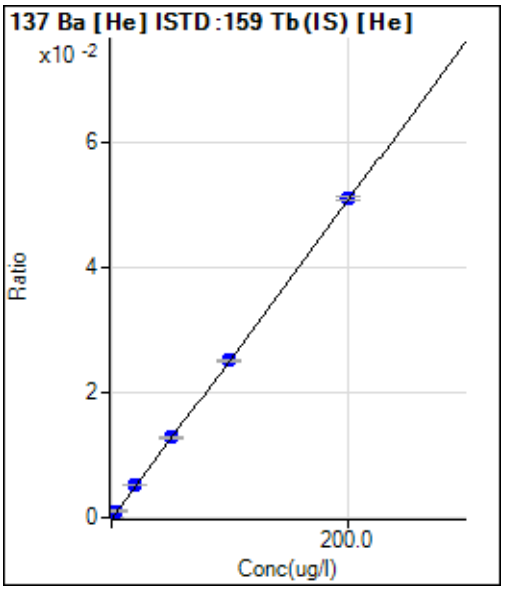
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	24.45	0.0001	P	28.7	
2	☐	2.000	2.048	1338.96	0.0069	P	4.1	2.4
3	☐	10.000	10.323	6691.60	0.0345	P	2.5	3.2
4	☐	50.000	51.174	33058.08	0.1704	P	1.8	2.3
5	☐	100.000	101.128	65122.79	0.3366	P	0.3	1.1
6	☐	200.000	199.126	128913.79	0.6627	P	1.4	-0.4

y = 0.0033 * x + 1.2685E-004
R = 1.0000
DL = 0.03282 ug/l
BEC = 0.03813 ug/l

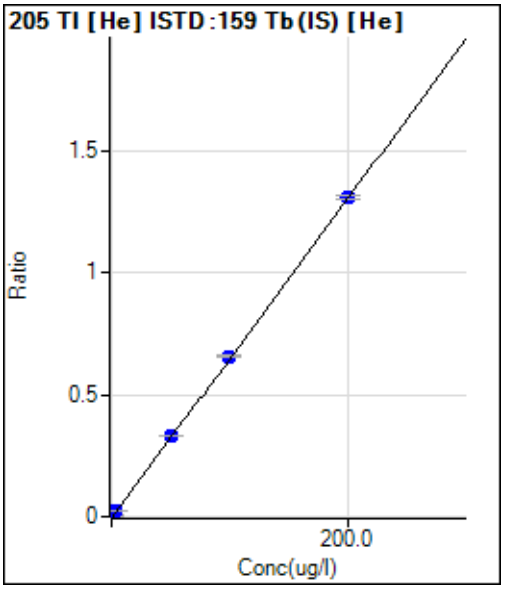
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	23.33	0.0000	P	14.3	
2	☐	4.000	4.008	983.37	0.0010	P	8.7	0.2
3	☐	20.000	20.400	4946.45	0.0052	P	2.5	2.0
4	☐	50.000	50.358	12210.88	0.0129	P	1.8	0.7
5	☐	100.000	98.680	24149.49	0.0252	P	1.1	-1.3
6	☐	200.000	200.530	49097.05	0.0511	P	0.7	0.3

y = 2.5478E-004 * x + 2.4789E-005
R = 1.0000
DL = 0.04179 ug/l
BEC = 0.0973 ug/l

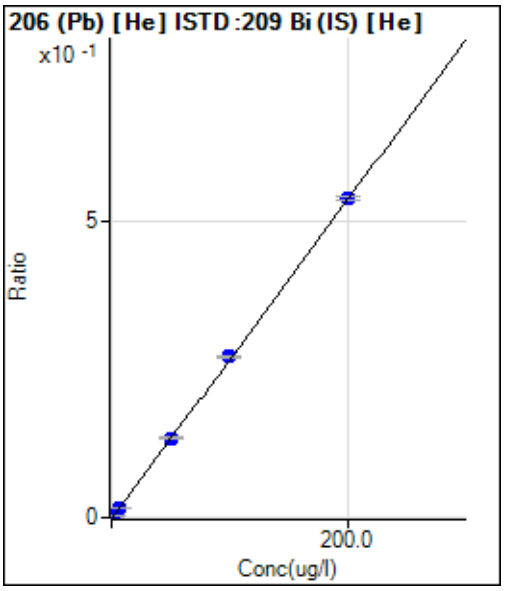
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	802.25	0.0009	P	9.6	
2	☐	0.800	0.796	5699.01	0.0061	P	2.7	-0.5
3	☐	4.000	4.047	25884.68	0.0273	P	0.6	1.2
4	☐	50.000	50.485	314541.17	0.3311	P	0.7	1.0
5	☐	100.000	100.159	629524.01	0.6560	P	1.4	0.2
6	☐	200.000	199.798	1256204.11	1.3078	P	0.7	-0.1

y = 0.0065 * x + 8.5226E-004
R = 1.0000
DL = 0.03741 ug/l
BEC = 0.1303 ug/l

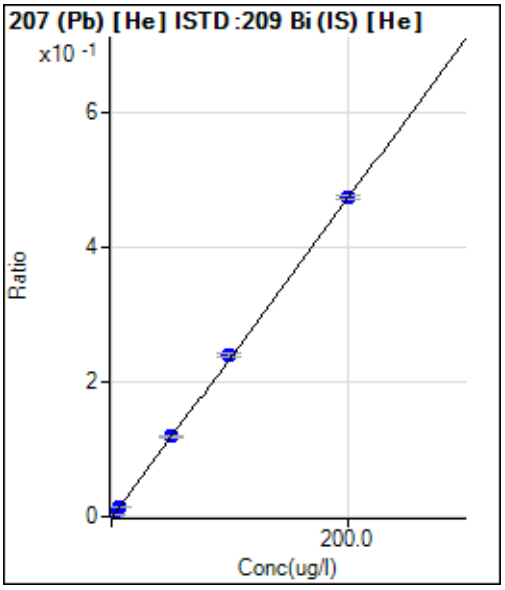
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	282.23	0.0004	P	8.4	
2	☐	1.200	1.260	2854.76	0.0038	P	4.8	5.0
3	☐	6.000	5.997	12639.27	0.0166	P	0.8	0.0
4	☐	50.000	49.709	101137.55	0.1345	P	1.7	-0.6
5	☐	100.000	100.644	202802.61	0.2720	P	0.9	0.6
6	☐	200.000	199.750	403882.86	0.5394	P	1.2	-0.1

y = 0.0027 * x + 3.7414E-004
R = 1.0000
DL = 0.03498 ug/l
BEC = 0.1386 ug/l

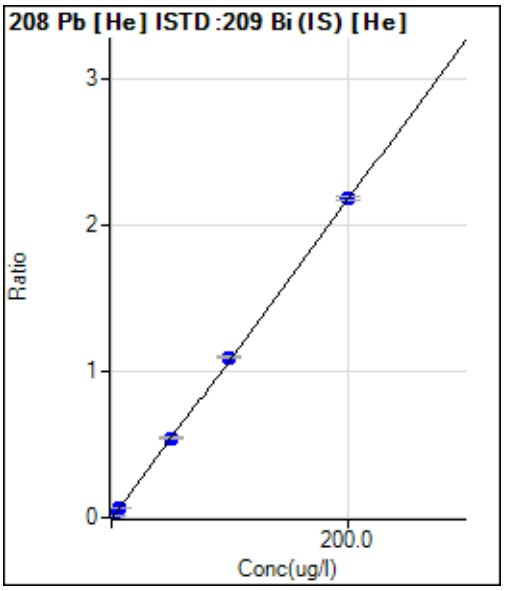
Weight: <None>
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	268.89	0.0004	P	2.0	
2	☐	1.200	1.205	2430.24	0.0032	P	0.9	0.4
3	☐	6.000	5.932	11014.52	0.0144	P	2.4	-1.1
4	☐	50.000	49.840	89174.61	0.1186	P	2.0	-0.3
5	☐	100.000	100.711	178412.66	0.2393	P	1.9	0.7
6	☐	200.000	199.686	354952.71	0.4741	P	1.3	-0.2

y = 0.0024 * x + 3.5651E-004
R = 1.0000
DL = 0.008873 ug/l
BEC = 0.1503 ug/l

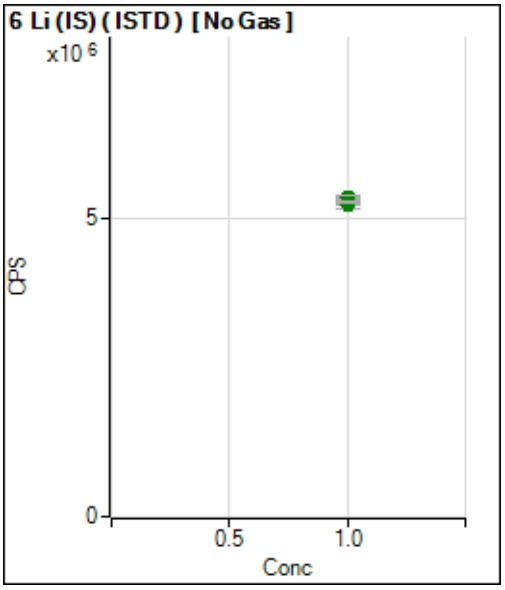
Weight: <None>
Min Conc: <None>



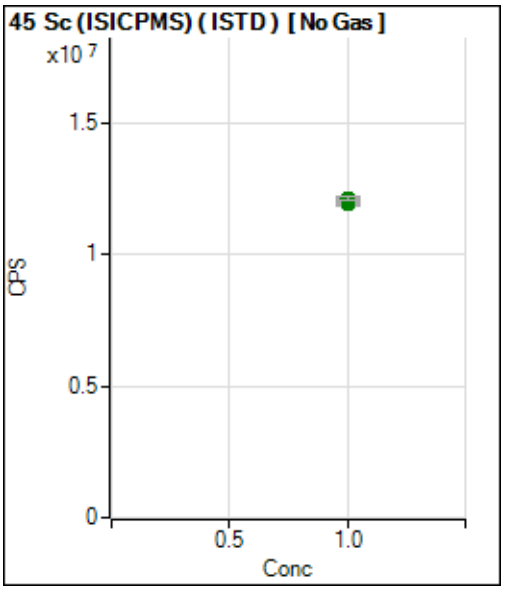
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1141.14	0.0015	P	4.0	
2	☐	1.200	1.218	11185.20	0.0148	P	1.2	1.5
3	☐	6.000	5.999	51074.91	0.0669	P	1.2	0.0
4	☐	50.000	49.756	408960.57	0.5439	P	0.8	-0.5
5	☐	100.000	100.294	816380.15	1.0949	P	0.8	0.3
6	☐	200.000	199.914	1632845.41	2.1809	P	0.9	0.0

y = 0.0109 * x + 0.0015
R = 1.0000
DL = 0.01682 ug/l
BEC = 0.1388 ug/l

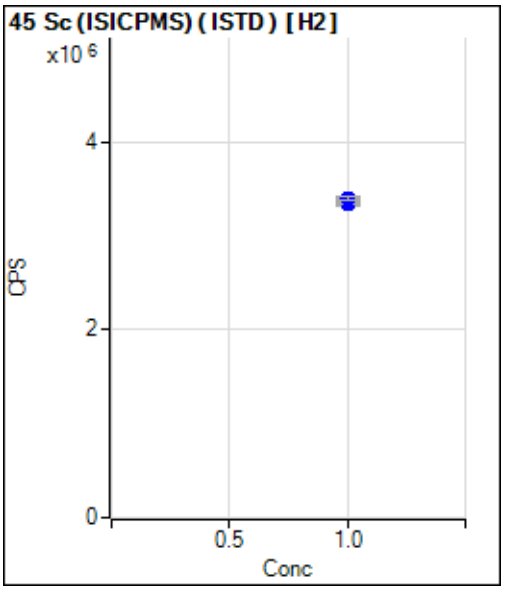
Weight: <None>
Min Conc: <None>



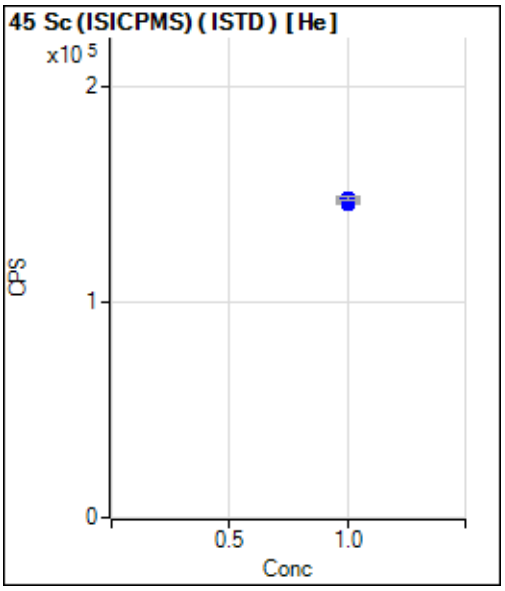
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5302201.69		A	0.9	
2	☐	1.000		5285720.93		A	1.9	
3	☐	1.000		5344481.20		A	1.6	
4	☐	1.000		5246023.26		A	1.2	
5	☐	1.000		5207342.25		A	1.6	
6	☐	1.000		5258757.94		A	0.9	



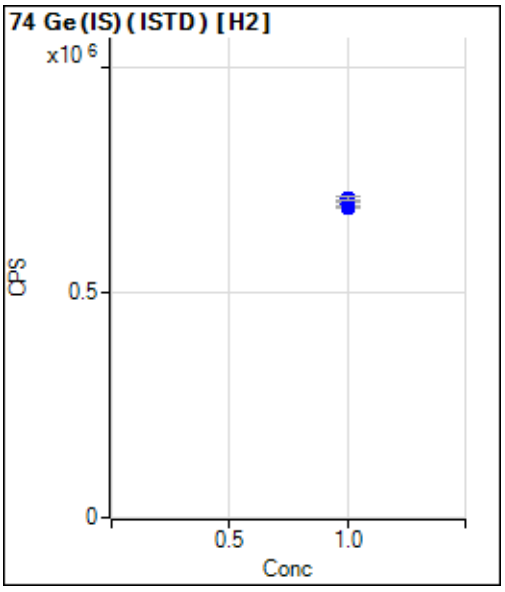
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		11944558.15		A	1.3	
2	☐	1.000		12032029.96		A	2.2	
3	☐	1.000		12103257.46		A	1.8	
4	☐	1.000		11952940.52		A	0.8	
5	☐	1.000		12034614.40		A	1.0	
6	☐	1.000		12149939.95		A	1.0	



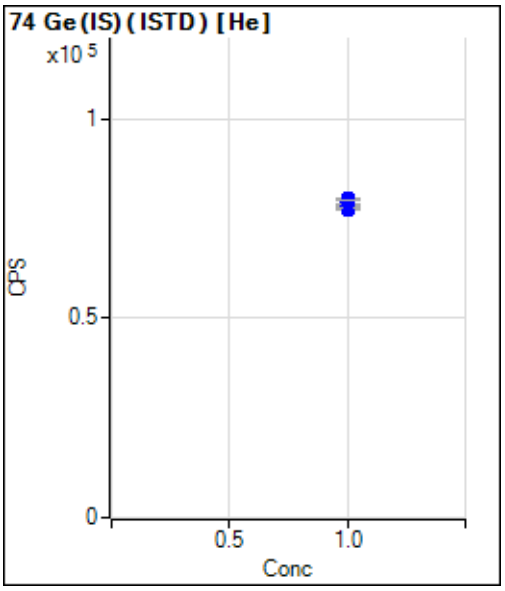
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3401688.08		P	0.5	
2	☐	1.000		3344829.78		P	0.6	
3	☐	1.000		3385362.69		P	0.7	
4	☐	1.000		3361564.46		P	2.0	
5	☐	1.000		3349942.73		P	1.1	
6	☐	1.000		3399105.57		P	1.2	



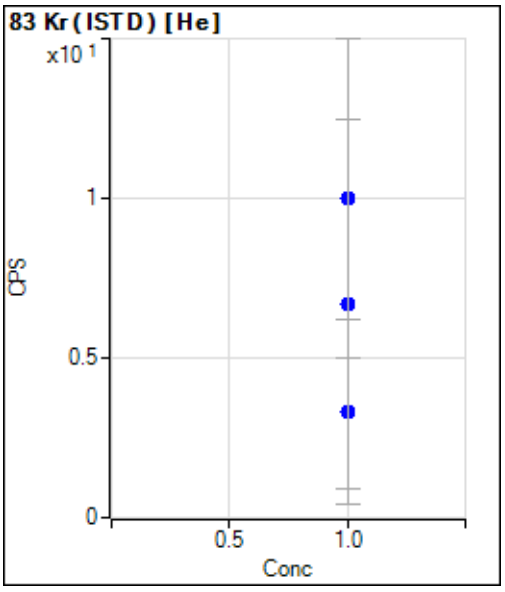
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		145918.83		P	0.2	
2	☐	1.000		146236.11		P	0.6	
3	☐	1.000		145841.32		P	0.6	
4	☐	1.000		147524.12		P	0.6	
5	☐	1.000		147400.55		P	0.3	
6	☐	1.000		148237.42		P	0.7	



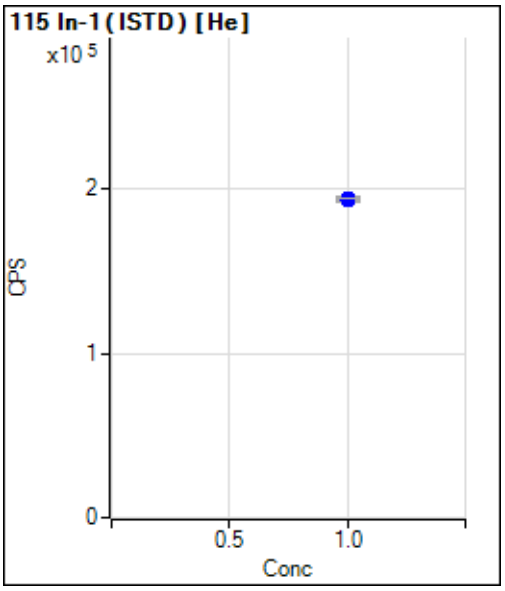
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		702022.33		P	0.4	
2	☐	1.000		689977.79		P	0.7	
3	☐	1.000		697803.64		P	1.4	
4	☐	1.000		709679.97		P	1.5	
5	☐	1.000		702994.86		P	0.9	
6	☐	1.000		710432.53		P	1.2	



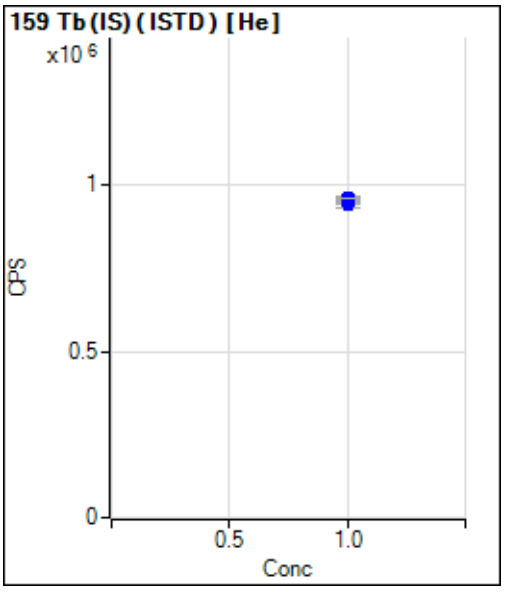
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		77882.56		P	0.9	
2	☐	1.000		77423.57		P	0.8	
3	☐	1.000		78225.45		P	0.8	
4	☐	1.000		79322.39		P	1.3	
5	☐	1.000		80080.92		P	0.2	
6	☐	1.000		79777.10		P	0.1	



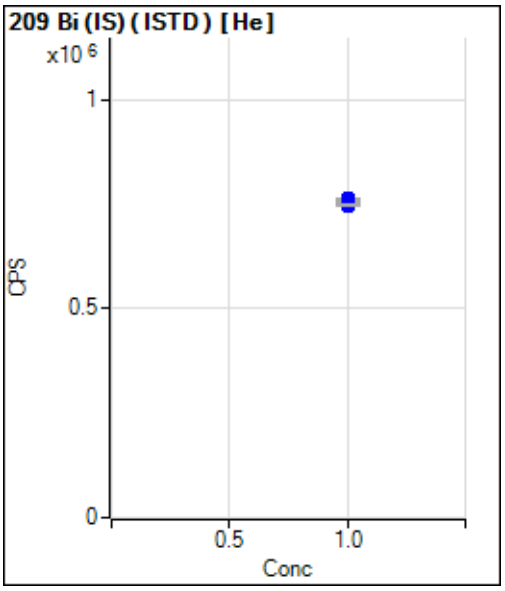
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.	
2	☐	1.000		3.34		P	173.	
3	☐	1.000		3.34		P	173.	
4	☐	1.000		10.01		P	100.	
5	☐	1.000		6.67		P	173.	
6	☐	1.000		6.67		P	173.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		192892.37		P	0.8	
2	☐	1.000		192870.59		P	1.0	
3	☐	1.000		194102.50		P	0.9	
4	☐	1.000		194029.99		P	1.2	
5	☐	1.000		193476.12		P	0.9	
6	☐	1.000		194550.47		P	0.6	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		941313.23		P	0.1	
2	☐	1.000		940587.44		P	1.8	
3	☐	1.000		947404.62		P	1.2	
4	☐	1.000		949983.40		P	0.6	
5	☐	1.000		959639.89		P	0.8	
6	☐	1.000		960538.08		P	0.5	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		754286.77		P	0.5	
2	☐	1.000		756076.89		P	0.5	
3	☐	1.000		763277.13		P	0.6	
4	☐	1.000		751860.54		P	0.5	
5	☐	1.000		745676.15		P	0.7	
6	☐	1.000		748740.15		P	0.6	

Sample Report

File Name 002SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 14:56:22

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1594322.08	0.9		70	120	
Sc (ISICPMS)	45	No Gas	10389356.86	1.3		70	120	
Sc (ISICPMS)	45	H2	2991278.64	1.2		70	120	
Sc (ISICPMS)	45	He	123863.63	0.4		70	120	
Ge (IS)	74	H2	619122.95	1.3		70	120	
Ge (IS)	74	He	68969.00	2.2		70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	147537.96	0.9		70	120	
Tb (IS)	159	He	724129.66	1.6		70	120	
Bi (IS)	209	He	588891.45	0.2		70	120	

Sample Report

File Name 003SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 14:58:46

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas		ug/l		1800	
B	11	6	No Gas		ug/l		1800	
Na	23	45	He		ug/l		450000	
Mg	24	45	He		ug/l		450000	
Al	27	45	He		ug/l		450000	
K	39	45	He		ug/l		450000	
Ca	40	45	H2		ug/l		900000	
Ti	47	45	No Gas		ug/l		9000	
V	51	74	He		ug/l		4500	
Cr	52	74	He		ug/l		18000	
Mn	55	74	He		ug/l		18000	
Fe	56	74	H2		ug/l		450000	
Co	59	74	He		ug/l		1800	
Ni	60	74	He		ug/l		18000	
Cu	63	74	He		ug/l		18000	
Zn	66	74	He		ug/l		18000	
As	75	74	He		ug/l		4500	
Se	78	74	H2		ug/l		2700	
Sr	88	115	He		ug/l		4500	
Mo	95	115	He		ug/l		1800	
Ag	107	115	He		ug/l		900	
Cd	111	115	He		ug/l		4500	
Sn	118	115	He		ug/l		1800	
Sb	121	115	He		ug/l		900	
Ba	137	159	He		ug/l		18000	
Tl	205	159	He		ug/l		900	
(Pb)	206	209	He		ug/l			
(Pb)	207	209	He		ug/l			
Pb	208	209	He		ug/l		18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1572627.20	2.8		70	120	
Sc (ISICPMS)	45	No Gas	10295690.19	0.9		70	120	
Sc (ISICPMS)	45	H2	2992555.62	0.2		70	120	
Sc (ISICPMS)	45	He	123469.28	0.2		70	120	
Ge (IS)	74	H2	618693.60	0.7		70	120	
Ge (IS)	74	He	68895.24	1.2		70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	148284.64	1.6		70	120	
Tb (IS)	159	He	728640.72	1.6		70	120	
Bi (IS)	209	He	591611.61	0.9		70	120	

Calibration Blank

File Name 004CALB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:01:09

Sample Name **IC Cal Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	21.11	24.1
B	11	6	No Gas	10251.23	2.6
Na	23	45	He	40061.09	2.5
Mg	24	45	He	160.00	2.1
Al	27	45	He	98.89	15.6
K	39	45	He	17563.54	2.6
Ca	40	45	H2	120366.99	1.0
Ti	47	45	No Gas	2638.02	1.9
V	51	74	He	1043.37	1.7
Cr	52	74	He	6193.52	0.2
Mn	55	74	He	111.11	25.5
Fe	56	74	H2	124463.64	0.3
Co	59	74	He	47.78	28.2
Ni	60	74	He	535.57	7.9
Cu	63	74	He	711.13	4.9
Zn	66	74	He	653.35	7.5
As	75	74	He	33.33	26.5
Se	78	74	H2	14.44	13.4
Sr	88	115	He	42.22	25.4
Mo	95	115	He	75.56	10.2
Ag	107	115	He	8.89	21.6
Cd	111	115	He	3.33	0.0
Sn	118	115	He	901.15	8.5
Sb	121	115	He	85.55	12.5
Ba	137	159	He	18.89	10.2
Tl	205	159	He	36.67	27.3
(Pb)	206	209	He	171.11	8.1
(Pb)	207	209	He	160.00	12.5
Pb	208	209	He	702.23	1.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	1496003.28	1.5	100.0
Sc (ISICPMS)	45	No Gas	9931843.05	0.5	100.0
Sc (ISICPMS)	45	H2	2933887.04	0.5	100.0
Sc (ISICPMS)	45	He	120925.97	0.4	100.0
Ge (IS)	74	H2	619671.58	0.4	100.0
Ge (IS)	74	He	69490.22	1.1	100.0
Kr	83	He	0.00	N/A	

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	144826.37	0.6	100.0
Tb (IS)	159	He	719403.38	0.9	100.0
Bi (IS)	209	He	581371.44	1.1	100.0

Calibration Standard

File Name 005CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:04:02

Sample Name **IC Cal-1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	876.70	2.5
B	11	6	No Gas	70328.09	0.6
Na	23	45	He	55977.24	0.7
Mg	24	45	He	9893.23	3.3
Al	27	45	He	625.57	6.3
K	39	45	He	24637.83	1.5
Ca	40	45	H2	526925.92	0.8
Ti	47	45	No Gas	6600.36	1.1
V	51	74	He	3758.27	2.4
Cr	52	74	He	9550.87	1.5
Mn	55	74	He	2844.73	2.4
Fe	56	74	H2	663774.47	0.9
Co	59	74	He	6568.15	1.5
Ni	60	74	He	2253.52	2.5
Cu	63	74	He	5559.96	1.0
Zn	66	74	He	2890.30	3.0
As	75	74	He	195.56	10.4
Se	78	74	H2	387.78	11.2
Sr	88	115	He	1340.07	4.2
Mo	95	115	He	2317.98	4.5
Ag	107	115	He	4006.13	3.5
Cd	111	115	He	471.12	6.6
Sn	118	115	He	6903.92	3.7
Sb	121	115	He	1036.71	2.4
Ba	137	159	He	710.02	7.0
Tl	205	159	He	3873.91	3.3
(Pb)	206	209	He	2011.27	3.1
(Pb)	207	209	He	1684.56	2.3
Pb	208	209	He	7926.53	1.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1535035.91	1.2	102.6	70	120	
Sc (ISICPMS)	45	No Gas	10326680.75	0.5	104.0	70	120	
Sc (ISICPMS)	45	H2	2971270.83	0.4	101.3	70	120	
Sc (ISICPMS)	45	He	122294.42	0.9	101.1	70	120	
Ge (IS)	74	H2	612412.55	0.6	98.8	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	68325.99	1.5	98.3	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	146953.38	0.5	101.5	70	120	
Tb (IS)	159	He	724623.47	1.0	100.7	70	120	
Bi (IS)	209	He	584617.16	0.3	100.6	70	120	

Calibration Standard

File Name 006CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:06:38

Sample Name **IC Cal-2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	4270.62	2.4
B	11	6	No Gas	311517.72	1.2
Na	23	45	He	143169.85	0.8
Mg	24	45	He	48411.72	0.4
Al	27	45	He	2676.92	2.4
K	39	45	He	51798.22	1.0
Ca	40	45	H2	2153620.75	1.2
Ti	47	45	No Gas	24169.97	1.9
V	51	74	He	14809.58	1.1
Cr	52	74	He	24651.36	0.7
Mn	55	74	He	13744.10	0.1
Fe	56	74	H2	2798030.69	0.7
Co	59	74	He	32556.55	1.0
Ni	60	74	He	9424.12	1.7
Cu	63	74	He	25465.08	1.0
Zn	66	74	He	11669.08	1.1
As	75	74	He	902.26	9.4
Se	78	74	H2	2005.70	3.7
Sr	88	115	He	6483.70	2.2
Mo	95	115	He	11252.17	0.6
Ag	107	115	He	20085.15	0.9
Cd	111	115	He	2172.40	3.1
Sn	118	115	He	31736.33	1.0
Sb	121	115	He	5178.74	2.7
Ba	137	159	He	3437.11	1.5
Tl	205	159	He	18302.40	2.8
(Pb)	206	209	He	9035.30	1.3
(Pb)	207	209	He	7980.17	2.6
Pb	208	209	He	36530.70	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1504411.99	1.0	100.6	70	120	
Sc (ISICPMS)	45	No Gas	10344344.43	1.1	104.2	70	120	
Sc (ISICPMS)	45	H2	2997212.14	0.7	102.2	70	120	
Sc (ISICPMS)	45	He	123128.67	2.1	101.8	70	120	
Ge (IS)	74	H2	612150.22	0.1	98.8	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	69486.88	1.6	100.0	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	147186.65	1.1	101.6	70	120	
Tb (IS)	159	He	728410.76	1.1	101.3	70	120	
Bi (IS)	209	He	587753.80	1.3	101.1	70	120	

Calibration Standard

File Name 007CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:09:12

Sample Name **IC Cal-3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	50863.42	0.5
B	11	6	No Gas	103732.37	0.7
Na	23	45	He	1311822.75	0.6
Mg	24	45	He	574609.25	0.5
Al	27	45	He	145469.64	0.9
K	39	45	He	418922.15	0.2
Ca	40	45	H2	23224291.60	1.7
Ti	47	45	No Gas	54375.53	1.1
V	51	74	He	33770.08	0.6
Cr	52	74	He	50715.22	0.7
Mn	55	74	He	16352.31	1.7
Fe	56	74	H2	51465804.23	0.2
Co	59	74	He	77649.31	0.2
Ni	60	74	He	21861.59	2.0
Cu	63	74	He	59126.71	1.1
Zn	66	74	He	16756.13	1.8
As	75	74	He	4258.41	2.3
Se	78	74	H2	7911.04	3.0
Sr	88	115	He	15571.67	0.4
Mo	95	115	He	27223.21	0.8
Ag	107	115	He	48492.16	0.5
Cd	111	115	He	10030.21	2.3
Sn	118	115	He	19297.47	1.4
Sb	121	115	He	24083.61	1.3
Ba	137	159	He	8193.53	2.9
Tl	205	159	He	215085.58	0.6
(Pb)	206	209	He	70131.32	0.5
(Pb)	207	209	He	60952.91	0.8
Pb	208	209	He	283627.01	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1450246.78	0.6	96.9	70	120	
Sc (ISICPMS)	45	No Gas	9960588.74	1.7	100.3	70	120	
Sc (ISICPMS)	45	H2	2928245.65	0.7	99.8	70	120	
Sc (ISICPMS)	45	He	118703.71	1.0	98.2	70	120	
Ge (IS)	74	H2	600493.28	0.5	96.9	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	67119.29	1.3	96.6	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	142324.37	0.4	98.3	70	120	
Tb (IS)	159	He	711638.12	0.6	98.9	70	120	
Bi (IS)	209	He	564257.40	0.3	97.1	70	120	

Calibration Standard

File Name 008CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:11:46

Sample Name **IC Cal-4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	101591.46	1.8
B	11	6	No Gas	193924.26	1.5
Na	23	45	He	2588341.28	0.1
Mg	24	45	He	1168464.50	0.3
Al	27	45	He	295996.64	0.4
K	39	45	He	826927.41	0.1
Ca	40	45	H2	46496875.42	1.3
Ti	47	45	No Gas	106301.82	1.0
V	51	74	He	68898.14	0.4
Cr	52	74	He	96522.57	1.1
Mn	55	74	He	33360.45	1.7
Fe	56	74	H2	103725364.01	1.2
Co	59	74	He	156686.30	0.5
Ni	60	74	He	43371.59	0.3
Cu	63	74	He	117434.43	0.3
Zn	66	74	He	34075.66	1.0
As	75	74	He	8998.34	3.3
Se	78	74	H2	15544.92	2.1
Sr	88	115	He	31590.76	0.4
Mo	95	115	He	55379.22	0.8
Ag	107	115	He	96972.98	0.2
Cd	111	115	He	20447.89	1.2
Sn	118	115	He	38765.71	0.9
Sb	121	115	He	49358.10	0.9
Ba	137	159	He	16606.45	2.2
Tl	205	159	He	442032.24	0.5
(Pb)	206	209	He	141241.83	0.4
(Pb)	207	209	He	124280.83	0.5
Pb	208	209	He	572542.83	0.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1407987.46	1.4	94.1	70	120	
Sc (ISICPMS)	45	No Gas	9833952.77	1.9	99.0	70	120	
Sc (ISICPMS)	45	H2	2954924.95	1.0	100.7	70	120	
Sc (ISICPMS)	45	He	120778.24	0.4	99.9	70	120	
Ge (IS)	74	H2	600892.85	0.4	97.0	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	67577.97	0.7	97.2	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	142545.43	1.1	98.4	70	120	
Tb (IS)	159	He	720645.23	0.4	100.2	70	120	
Bi (IS)	209	He	567870.23	0.5	97.7	70	120	

Calibration Standard

File Name 009CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:14:19

Sample Name **IC Cal-5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	45	No Gas	198666.81	1.7
B	11	6	No Gas	364503.05	2.3
Na	23	45	He	4952879.79	0.9
Mg	24	45	He	2269183.08	0.6
Al	27	45	He	584268.29	0.5
K	39	45	He	1606829.54	0.7
Ca	40	45	H2	92557560.84	1.2
Ti	47	45	No Gas	208212.45	1.3
V	51	74	He	135151.26	1.2
Cr	52	74	He	184395.20	0.8
Mn	55	74	He	65186.54	0.9
Fe	56	74	H2	203782261.41	0.7
Co	59	74	He	308000.21	1.0
Ni	60	74	He	84862.81	0.6
Cu	63	74	He	234241.52	0.6
Zn	66	74	He	65837.27	1.0
As	75	74	He	18157.89	0.8
Se	78	74	H2	31664.06	0.9
Sr	88	115	He	62928.94	0.2
Mo	95	115	He	110848.92	0.3
Ag	107	115	He	191209.59	1.2
Cd	111	115	He	40305.08	0.9
Sn	118	115	He	75027.61	0.7
Sb	121	115	He	95713.31	0.8
Ba	137	159	He	32988.42	1.1
Tl	205	159	He	869172.43	0.9
(Pb)	206	209	He	278448.21	0.6
(Pb)	207	209	He	244829.34	0.3
Pb	208	209	He	1125961.78	0.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1422582.97	1.4	95.1	70	120	
Sc (ISICPMS)	45	No Gas	9953123.53	1.2	100.2	70	120	
Sc (ISICPMS)	45	H2	2915446.31	0.5	99.4	70	120	
Sc (ISICPMS)	45	He	119249.60	0.4	98.6	70	120	
Ge (IS)	74	H2	592014.88	0.9	95.5	70	120	

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	66787.81	0.4	96.1	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	141151.44	0.7	97.5	70	120	
Tb (IS)	159	He	714923.53	0.6	99.4	70	120	
Bi (IS)	209	He	558362.50	0.4	96.0	70	120	

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:16:52

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	77.917	ug/l	0.8	80	72	88	
B	11	6	No Gas	207.793	ug/l	0.4	200	180	220	
Na	23	45	He	20419.201	ug/l	0.9	20000	18000	22000	
Mg	24	45	He	20174.822	ug/l	0.7	20000	18000	22000	
Al	27	45	He	19988.692	ug/l	1.7	20000	18000	22000	
K	39	45	He	19923.114	ug/l	0.6	20000	18000	22000	
Ca	40	45	H2	20088.821	ug/l	0.1	20000	18000	22000	
Ti	47	45	No Gas	79.785	ug/l	0.8	80	72	88	
V	51	74	He	79.704	ug/l	1.8	80	72	88	
Cr	52	74	He	79.376	ug/l	1.4	80	72	88	
Mn	55	74	He	81.413	ug/l	1.5	80	72	88	
Fe	56	74	H2	19680.023	ug/l	2.5	20000	18000	22000	
Co	59	74	He	80.635	ug/l	1.0	80	72	88	
Ni	60	74	He	80.491	ug/l	2.1	80	72	88	
Cu	63	74	He	81.111	ug/l	0.6	80	72	88	
Zn	66	74	He	204.334	ug/l	0.5	200	180	220	
As	75	74	He	79.211	ug/l	3.5	80	72	88	
Se	78	74	H2	80.854	ug/l	1.8	80	72	88	
Sr	88	115	He	79.626	ug/l	0.7	80	72	88	
Mo	95	115	He	79.742	ug/l	1.1	80	72	88	
Ag	107	115	He	40.587	ug/l	0.4	40	36	44	
Cd	111	115	He	82.655	ug/l	0.6	80	72	88	
Sn	118	115	He	79.577	ug/l	0.5	80	72	88	
Sb	121	115	He	80.089	ug/l	0.9	80	72	88	
Ba	137	159	He	80.809	ug/l	0.1	80	72	88	
Tl	205	159	He	80.398	ug/l	0.1	80	72	88	
(Pb)	206	209	He	79.644	ug/l	0.3				
(Pb)	207	209	He	79.221	ug/l	0.4				
Pb	208	209	He	79.508	ug/l	0.1	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1330534.08	1.4	88.9	70	120	
Sc (ISICPMS)	45	No Gas	9761925.62	1.1	98.3	70	120	
Sc (ISICPMS)	45	H2	2878735.24	0.2	98.1	70	120	
Sc (ISICPMS)	45	He	118850.98	1.1	98.3	70	120	
Ge (IS)	74	H2	593237.89	0.9	95.7	70	120	
Ge (IS)	74	He	66672.80	0.7	95.9	70	120	

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	10.01	100.0				
In-1	115	He	142415.71	0.4	98.3	70	120	
Tb (IS)	159	He	717254.28	0.6	99.7	70	120	
Bi (IS)	209	He	569925.96	1.0	98.0	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:19:13

Sample Name **ICB**

Comment ---

Dilution 1.0000

Multiplier Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.030	ug/l	29.3	0.8	-0.4	0.4	
B	11	6	No Gas	2.517	ug/l	13.5	80	-40	40	
Na	23	45	He	14.059	ug/l	16.1	500	-250	250	
Mg	24	45	He	4.109	ug/l	24.8	200	-100	100	
Al	27	45	He	3.470	ug/l	52.4	40	-20	20	
K	39	45	He	-9.445	ug/l	N/A	200	-100	100	
Ca	40	45	H2	4.916	ug/l	11.4	500	-250	250	
Ti	47	45	No Gas	0.039	ug/l	269.7	4	-2	2	
V	51	74	He	-0.293	ug/l	N/A	4	-2	2	
Cr	52	74	He	0.183	ug/l	115.0	4	-2	2	
Mn	55	74	He	0.087	ug/l	32.8	8	-4	4	
Fe	56	74	H2	6.021	ug/l	8.0	120	-60	60	
Co	59	74	He	0.012	ug/l	48.5	4	-2	2	
Ni	60	74	He	0.049	ug/l	73.0	4	-2	2	
Cu	63	74	He	0.024	ug/l	230.1	4	-2	2	
Zn	66	74	He	0.988	ug/l	21.6	16	-8	8	
As	75	74	He	0.045	ug/l	397.0	2	-1	1	
Se	78	74	H2	0.187	ug/l	68.5	2.5	-1.25	1.25	
Sr	88	115	He	-0.003	ug/l	N/A	4	-2	2	
Mo	95	115	He	0.181	ug/l	28.6	4	-2	2	
Ag	107	115	He	0.014	ug/l	30.0	2	-1	1	
Cd	111	115	He	0.022	ug/l	40.1	2	-1	1	
Sn	118	115	He	-0.070	ug/l	N/A	16	-8	8	
Sb	121	115	He	-0.023	ug/l	N/A	2	-1	1	
Ba	137	159	He	0.015	ug/l	87.5	4	-2	2	
Tl	205	159	He	0.050	ug/l	6.4	0.8	-0.4	0.4	
(Pb)	206	209	He	-0.002	ug/l	N/A				
(Pb)	207	209	He	0.008	ug/l	141.4				
Pb	208	209	He	0.009	ug/l	67.8	1.2	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1308931.04	0.7	87.5	70	120	
Sc (ISICPMS)	45	No Gas	9710553.26	0.6	97.8	70	120	
Sc (ISICPMS)	45	H2	2875574.44	0.2	98.0	70	120	
Sc (ISICPMS)	45	He	117044.52	0.9	96.8	70	120	
Ge (IS)	74	H2	594631.43	0.8	96.0	70	120	
Ge (IS)	74	He	65975.30	0.5	94.9	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	141095.14	1.3	97.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	710513.77	1.1	98.8	70	120	
Bi (IS)	209	He	574646.76	0.9	98.8	70	120	

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:21:37

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.005	ug/l	170.9	0.8	0.4	1.2	fail 200.8
B	11	6	No Gas	-0.558	ug/l	N/A	80	40	120	fail 200.8
Na	23	45	He	-84.510	ug/l	N/A	200	100	300	fail 200.8
Mg	24	45	He	6.399	ug/l	48.8	200	100	300	fail 200.8
Al	27	45	He	2.781	ug/l	43.7	40	20	60	fail 200.8
K	39	45	He	-110.656	ug/l	N/A	200	100	300	fail 200.8
Ca	40	45	H2	-13.875	ug/l	N/A	200	100	300	fail 200.8
Ti	47	45	No Gas	-0.729	ug/l	N/A	4	2	6	fail 200.8
V	51	74	He	-0.463	ug/l	N/A	4	2	6	fail 200.8
Cr	52	74	He	-1.528	ug/l	N/A	4	2	6	fail 200.8
Mn	55	74	He	0.178	ug/l	110.0	8	4	12	fail 200.8
Fe	56	74	H2	-6.299	ug/l	N/A	120	60	180	fail 200.8
Co	59	74	He	0.128	ug/l	35.3	4	2	6	fail 200.8
Ni	60	74	He	-0.164	ug/l	N/A	4	2	6	fail 200.8
Cu	63	74	He	0.062	ug/l	166.8	4	2	6	fail 200.8
Zn	66	74	He	0.762	ug/l	22.2	16	8	24	fail 200.8
As	75	74	He	-0.084	ug/l	N/A	2	1	3	fail 200.8
Se	78	74	H2	0.003	ug/l	3612.1	2.5	1.25	3.75	fail 200.8
Sr	88	115	He	0.056	ug/l	85.3	4	2	6	fail 200.8
Mo	95	115	He	0.079	ug/l	79.3	4	2	6	fail 200.8
Ag	107	115	He	0.065	ug/l	22.2	2	1	3	fail 200.8
Cd	111	115	He	0.069	ug/l	70.1	2	1	3	fail 200.8
Sn	118	115	He	-0.467	ug/l	N/A	16	8	24	fail 200.8
Sb	121	115	He	-0.001	ug/l	N/A	2	1	3	fail 200.8
Ba	137	159	He	0.106	ug/l	99.3	4	2	6	fail 200.8
Tl	205	159	He	0.047	ug/l	22.4	0.8	0.4	1.2	fail 200.8
(Pb)	206	209	He	0.002	ug/l	1132.3				
(Pb)	207	209	He	0.020	ug/l	113.5				
Pb	208	209	He	0.008	ug/l	127.8	1.2	0.6	1.8	fail 200.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1512603.90	2.2	101.1	70	120	
Sc (ISICPMS)	45	No Gas	10897017.96	0.5	109.7	70	120	
Sc (ISICPMS)	45	H2	3497466.17	1.1	119.2	70	120	
Sc (ISICPMS)	45	He	150033.95	2.1	124.1	70	120	fail
Ge (IS)	74	H2	696972.57	1.1	112.5	70	120	
Ge (IS)	74	He	82247.43	1.3	118.4	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2				
In-1	115	He	181768.64	1.4	125.5	70	120	fail
Tb (IS)	159	He	902476.90	2.1	125.4	70	120	fail
Bi (IS)	209	He	725941.79	2.3	124.9	70	120	fail

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:24:00

Sample Name **ICSA 11557418**

Comment ---

Dilution 1.0000

Method 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.020	ug/l	33.3	0.8	-1.6	1.6	
B	11	6	No Gas	0.439	ug/l	84.7	80	-160	160	
Na	23	45	He	99779.974	ug/l	0.9	100000	80000	120000	
Mg	24	45	He	99831.335	ug/l	0.5	100000	80000	120000	
Al	27	45	He	100071.414	ug/l	0.6	100000	80000	120000	
K	39	45	He	100211.404	ug/l	0.3	100000	80000	120000	
Ca	40	45	H2	102024.137	ug/l	0.2	100000	80000	120000	
Ti	47	45	No Gas	2129.324	ug/l	1.6	2000	1600	2400	
V	51	74	He	-0.311	ug/l	N/A	4	-8	8	
Cr	52	74	He	0.592	ug/l	7.9	4	-8	8	
Mn	55	74	He	0.840	ug/l	8.9	8	-16	16	
Fe	56	74	H2	101794.317	ug/l	1.3	100000	80000	120000	
Co	59	74	He	0.364	ug/l	16.2	4	-8	8	
Ni	60	74	He	0.442	ug/l	34.7	4	-8	8	
Cu	63	74	He	0.323	ug/l	4.8	4	-8	8	
Zn	66	74	He	2.150	ug/l	40.8	16	-32	32	
As	75	74	He	0.101	ug/l	70.7	2	-4	4	
Se	78	74	H2	0.174	ug/l	66.1	2.5	-5	5	
Sr	88	115	He	0.816	ug/l	21.9	4	-8	8	
Mo	95	115	He	2065.768	ug/l	1.2	2000	-4000	4000	
Ag	107	115	He	0.039	ug/l	15.4	2	-4	4	
Cd	111	115	He	0.260	ug/l	15.7	2	-4	4	
Sn	118	115	He	-0.534	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.198	ug/l	15.4	2	-4	4	
Ba	137	159	He	0.747	ug/l	20.0	4	-8	8	
Tl	205	159	He	0.030	ug/l	18.6	0.8	-1.6	1.6	
(Pb)	206	209	He	0.146	ug/l	4.7				
(Pb)	207	209	He	0.125	ug/l	14.3				
Pb	208	209	He	0.133	ug/l	9.8	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1267864.44	0.7	84.8	70	120	
Sc (ISICPMS)	45	No Gas	9603960.48	0.6	96.7	70	120	
Sc (ISICPMS)	45	H2	2865288.85	0.3	97.7	70	120	
Sc (ISICPMS)	45	He	117006.91	1.1	96.8	70	120	
Ge (IS)	74	H2	576502.29	0.9	93.0	70	120	
Ge (IS)	74	He	65014.44	1.7	93.6	70	120	

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	137830.47	0.8	95.2	70	120	
Tb (IS)	159	He	705859.32	0.2	98.1	70	120	
Bi (IS)	209	He	541066.68	0.3	93.1	70	120	

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:26:24

Sample Name **ICSAB 11557420**

Comment ---

Dilution 1.0000

Full Quant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	188.005	ug/l	1.2	200	160	240	
B	11	6	No Gas	0.356	ug/l	79.2				
Na	23	45	He	100577.626	ug/l	1.3	100000	80000	120000	
Mg	24	45	He	101366.774	ug/l	0.7	100000	80000	120000	
Al	27	45	He	101069.244	ug/l	0.9	100000	80000	120000	
K	39	45	He	101912.421	ug/l	0.2	100000	80000	120000	
Ca	40	45	H2	103450.317	ug/l	2.1	100000	80000	120000	
Ti	47	45	No Gas	2099.839	ug/l	1.7	2000	1600	2400	
V	51	74	He	208.541	ug/l	1.2	200	160	240	
Cr	52	74	He	206.043	ug/l	0.5	200	160	240	
Mn	55	74	He	199.416	ug/l	0.6	200	160	240	
Fe	56	74	H2	102474.337	ug/l	3.2	100000	80000	120000	
Co	59	74	He	207.260	ug/l	0.8	200	160	240	
Ni	60	74	He	206.928	ug/l	1.5	200	160	240	
Cu	63	74	He	204.978	ug/l	0.5	200	160	240	
Zn	66	74	He	207.131	ug/l	2.6	200	160	240	
As	75	74	He	204.043	ug/l	1.1	200	160	240	
Se	78	74	H2	207.615	ug/l	2.9	200	160	240	
Sr	88	115	He	208.197	ug/l	2.3	200	160	240	
Mo	95	115	He	2073.404	ug/l	1.5	2000	1600	2400	
Ag	107	115	He	199.861	ug/l	0.9	200	160	240	
Cd	111	115	He	206.883	ug/l	1.5	200	160	240	
Sn	118	115	He	206.335	ug/l	0.4	200	160	240	
Sb	121	115	He	104.701	ug/l	1.4	100	80	120	
Ba	137	159	He	212.351	ug/l	0.9	200	160	240	
Tl	205	159	He	103.900	ug/l	0.3	100	80	120	
(Pb)	206	209	He	211.289	ug/l	0.6				
(Pb)	207	209	He	209.636	ug/l	0.4				
Pb	208	209	He	210.307	ug/l	0.4	200	160	240	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1201732.82	0.7	80.3	70	120	
Sc (ISICPMS)	45	No Gas	9521986.39	0.9	95.9	70	120	
Sc (ISICPMS)	45	H2	2823162.70	1.3	96.2	70	120	
Sc (ISICPMS)	45	He	115725.11	0.8	95.7	70	120	
Ge (IS)	74	H2	570161.72	1.8	92.0	70	120	
Ge (IS)	74	He	64668.54	0.9	93.1	70	120	

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	10.01	100.0				
In-1	115	He	139003.51	0.7	96.0	70	120	
Tb (IS)	159	He	702219.15	0.4	97.6	70	120	
Bi (IS)	209	He	542284.83	0.8	93.3	70	120	

Linear Range Check (LRC)

File Name 015LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:28:46

Sample Name **LRC 11546145**

Comment LR-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	1935.407	ug/l	1.2	2000	1800	2200	
B	11	6	No Gas	-1.481	ug/l	N/A				
Na	23	45	He	-29.299	ug/l	N/A				
Mg	24	45	He	16.011	ug/l	7.8				
Al	27	45	He	17.732	ug/l	12.5				
K	39	45	He	18.804	ug/l	108.1				
Ca	40	45	H2	22.704	ug/l	2.5				
Ti	47	45	No Gas	1.140	ug/l	5.3				
V	51	74	He	5188.720	ug/l	0.9	5000	4500	5500	
Cr	52	74	He	19614.523	ug/l	2.1	20000	18000	22000	
Mn	55	74	He	19132.205	ug/l	1.8	20000	18000	22000	
Fe	56	74	H2	19.590	ug/l	5.1				
Co	59	74	He	2086.563	ug/l	1.1	2000	1800	2200	
Ni	60	74	He	20241.956	ug/l	0.7	20000	18000	22000	
Cu	63	74	He	20179.468	ug/l	0.5	20000	18000	22000	
Zn	66	74	He	20485.126	ug/l	0.5	20000	18000	22000	
As	75	74	He	5234.246	ug/l	0.3	5000	4500	5500	
Se	78	74	H2	0.285	ug/l	27.3				
Sr	88	115	He	4997.219	ug/l	0.7	5000	4500	5500	
Mo	95	115	He	2012.719	ug/l	1.2	2000	1800	2200	
Ag	107	115	He	0.059	ug/l	3.7				
Cd	111	115	He	5116.415	ug/l	0.3	5000	4500	5500	
Sn	118	115	He	-0.596	ug/l	N/A				
Sb	121	115	He	0.141	ug/l	2.2				
Ba	137	159	He	20082.770	ug/l	0.3	20000	18000	22000	
Tl	205	159	He	1013.213	ug/l	0.6	1000	900	1100	
(Pb)	206	209	He	19008.800	ug/l	1.1				
(Pb)	207	209	He	19041.076	ug/l	1.4				
Pb	208	209	He	19064.944	ug/l	0.4	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1225230.06	1.7	81.9	70	120	
Sc (ISICPMS)	45	No Gas	9596468.26	0.7	96.6	70	120	
Sc (ISICPMS)	45	H2	2825912.39	0.4	96.3	70	120	
Sc (ISICPMS)	45	He	116154.42	0.7	96.1	70	120	
Ge (IS)	74	H2	572177.58	0.7	92.3	70	120	
Ge (IS)	74	He	65290.08	1.0	94.0	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	144339.96	0.5	99.7	70	120	
Tb (IS)	159	He	721795.45	0.5	100.3	70	120	
Bi (IS)	209	He	584358.12	0.4	100.5	70	120	

CRQL Check Standard (CRI)

File Name 017_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:33:59

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.729	ug/l	5.3	0.8	0.4	1.2	
B	11	6	No Gas	80.503	ug/l	0.9	80	40	120	
Na	23	45	He	187.640	ug/l	3.1	200	100	300	
Mg	24	45	He	218.769	ug/l	1.6	200	100	300	
Al	27	45	He	60.757	ug/l	6.7	40	20	60	fail 200.8
K	39	45	He	235.074	ug/l	5.5	200	100	300	
Ca	40	45	H2	211.744	ug/l	1.7	200	100	300	
Ti	47	45	No Gas	3.955	ug/l	4.7	4	2	6	
V	51	74	He	3.591	ug/l	3.4	4	2	6	
Cr	52	74	He	4.120	ug/l	3.0	4	2	6	
Mn	55	74	He	8.590	ug/l	3.2	8	4	12	
Fe	56	74	H2	154.471	ug/l	2.5	120	60	180	
Co	59	74	He	4.202	ug/l	1.2	4	2	6	
Ni	60	74	He	4.316	ug/l	4.7	4	2	6	
Cu	63	74	He	5.024	ug/l	3.0	4	2	6	
Zn	66	74	He	18.391	ug/l	5.3	16	8	24	
As	75	74	He	2.299	ug/l	2.3	2	1	3	
Se	78	74	H2	2.415	ug/l	10.1	2.5	1.25	3.75	
Sr	88	115	He	3.907	ug/l	5.8	4	2	6	
Mo	95	115	He	4.732	ug/l	4.5	4	2	6	
Ag	107	115	He	1.949	ug/l	3.8	2	1	3	
Cd	111	115	He	2.075	ug/l	7.4	2	1	3	
Sn	118	115	He	15.399	ug/l	4.8	16	8	24	
Sb	121	115	He	1.937	ug/l	1.9	2	1	3	
Ba	137	159	He	4.739	ug/l	13.9	4	2	6	
Tl	205	159	He	0.897	ug/l	1.7	0.8	0.4	1.2	
(Pb)	206	209	He	1.658	ug/l	3.0				
(Pb)	207	209	He	1.584	ug/l	6.1				
Pb	208	209	He	1.654	ug/l	0.9	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1102587.32	0.3	73.7	70	120	
Sc (ISICPMS)	45	No Gas	9494512.29	2.3	95.6	70	120	
Sc (ISICPMS)	45	H2	2864759.68	0.7	97.6	70	120	
Sc (ISICPMS)	45	He	115730.17	0.6	95.7	70	120	
Ge (IS)	74	H2	575804.22	0.9	92.9	70	120	
Ge (IS)	74	He	64661.81	2.4	93.1	70	120	

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	143657.86	0.7	99.2	70	120	
Tb (IS)	159	He	711033.95	0.3	98.8	70	120	
Bi (IS)	209	He	571476.74	0.2	98.3	70	120	

Linear Range Check (LRC)

File Name 019LRCC.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:38:46

Sample Name **LRC 11546148**

Comment LR-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.086	ug/l	14.7				
B	11	6	No Gas	2129.954	ug/l	0.2	2000	1800	2200	
Na	23	45	He	-21.357	ug/l	N/A				
Mg	24	45	He	96.286	ug/l	2.6				
Al	27	45	He	35.778	ug/l	4.8				
K	39	45	He	41.747	ug/l	31.8				
Ca	40	45	H2	998762.093	ug/l	0.4	1000000	900000	1100000	
Ti	47	45	No Gas	10343.908	ug/l	1.4	10000	9000	11000	
V	51	74	He	-0.615	ug/l	N/A				
Cr	52	74	He	-0.031	ug/l	N/A				
Mn	55	74	He	1.156	ug/l	5.1				
Fe	56	74	H2	36.895	ug/l	2.3				
Co	59	74	He	0.423	ug/l	3.6				
Ni	60	74	He	1.974	ug/l	5.3				
Cu	63	74	He	1.768	ug/l	6.3				
Zn	66	74	He	3.308	ug/l	6.4				
As	75	74	He	0.527	ug/l	23.1				
Se	78	74	H2	3039.136	ug/l	1.6	3000	2700	3300	
Sr	88	115	He	21.157	ug/l	2.2				
Mo	95	115	He	0.528	ug/l	17.3				
Ag	107	115	He	971.798	ug/l	0.7	1000	900	1100	
Cd	111	115	He	0.178	ug/l	47.9				
Sn	118	115	He	2056.315	ug/l	1.1	2000	1800	2200	
Sb	121	115	He	1031.521	ug/l	1.1	1000	900	1100	
Ba	137	159	He	1.671	ug/l	4.5				
Tl	205	159	He	0.133	ug/l	13.5				
(Pb)	206	209	He	0.895	ug/l	3.2				
(Pb)	207	209	He	0.807	ug/l	5.9				
Pb	208	209	He	0.850	ug/l	4.6				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1094978.06	1.3	73.2	70	120	
Sc (ISICPMS)	45	No Gas	9201120.28	1.5	92.6	70	120	
Sc (ISICPMS)	45	H2	2829387.56	1.4	96.4	70	120	
Sc (ISICPMS)	45	He	114872.64	1.2	95.0	70	120	
Ge (IS)	74	H2	566418.49	0.5	91.4	70	120	
Ge (IS)	74	He	62652.14	0.3	90.2	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	140216.84	0.6	96.8	70	120	
Tb (IS)	159	He	699295.32	1.9	97.2	70	120	
Bi (IS)	209	He	536222.51	1.1	92.2	70	120	

Linear Range Check (LRC)

File Name 020LRCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:46:29

Sample Name **LRC 11518844**

Comment LR-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.025	ug/l	43.7				
B	11	6	No Gas	0.821	ug/l	36.3				
Na	23	45	He	476851.309	ug/l	0.5	500000	450000	550000	
Mg	24	45	He	464995.782	ug/l	0.5	500000	450000	550000	
Al	27	45	He	475881.839	ug/l	0.2	500000	450000	550000	
K	39	45	He	468878.835	ug/l	0.8	500000	450000	550000	
Ca	40	45	H2	95.770	ug/l	1.5				
Ti	47	45	No Gas	2.050	ug/l	3.9				
V	51	74	He	-0.168	ug/l	N/A				
Cr	52	74	He	3.307	ug/l	6.7				
Mn	55	74	He	4.794	ug/l	3.2				
Fe	56	74	H2	502495.391	ug/l	2.1	500000	450000	550000	
Co	59	74	He	1.897	ug/l	4.0				
Ni	60	74	He	2.225	ug/l	1.1				
Cu	63	74	He	0.901	ug/l	3.2				
Zn	66	74	He	5.039	ug/l	4.0				
As	75	74	He	0.176	ug/l	83.9				
Se	78	74	H2	0.390	ug/l	40.0				
Sr	88	115	He	0.717	ug/l	7.9				
Mo	95	115	He	0.684	ug/l	7.4				
Ag	107	115	He	0.128	ug/l	9.5				
Cd	111	115	He	0.066	ug/l	41.4				
Sn	118	115	He	-0.518	ug/l	N/A				
Sb	121	115	He	1.119	ug/l	9.2				
Ba	137	159	He	13.272	ug/l	2.3				
Tl	205	159	He	0.148	ug/l	2.9				
(Pb)	206	209	He	1.194	ug/l	3.2				
(Pb)	207	209	He	1.129	ug/l	5.7				
Pb	208	209	He	1.195	ug/l	1.0				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1223738.43	1.6	81.8	70	120	
Sc (ISICPMS)	45	No Gas	9364674.17	2.0	94.3	70	120	
Sc (ISICPMS)	45	H2	2779060.48	1.0	94.7	70	120	
Sc (ISICPMS)	45	He	118807.68	0.3	98.2	70	120	
Ge (IS)	74	H2	534845.04	1.1	86.3	70	120	
Ge (IS)	74	He	61960.30	0.8	89.2	70	120	

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2				
In-1	115	He	132560.83	0.7	91.5	70	120	
Tb (IS)	159	He	681788.44	0.6	94.8	70	120	
Bi (IS)	209	He	501639.31	1.1	86.3	70	120	

Sample Report

File Name 021SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:48:49

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.005	ug/l	81.6	1800	
B	11	6	No Gas	-2.612	ug/l	N/A	1800	
Na	23	45	He	-9.431	ug/l	N/A	450000	
Mg	24	45	He	28.042	ug/l	7.5	450000	
Al	27	45	He	24.888	ug/l	17.5	450000	
K	39	45	He	31.154	ug/l	62.2	450000	
Ca	40	45	H2	3.668	ug/l	13.3	900000	
Ti	47	45	No Gas	0.227	ug/l	9.5	9000	
V	51	74	He	-0.490	ug/l	N/A	4500	
Cr	52	74	He	-0.284	ug/l	N/A	18000	
Mn	55	74	He	0.036	ug/l	51.9	18000	
Fe	56	74	H2	33.962	ug/l	0.5	450000	
Co	59	74	He	0.003	ug/l	211.9	1800	
Ni	60	74	He	-0.033	ug/l	N/A	18000	
Cu	63	74	He	0.191	ug/l	21.4	18000	
Zn	66	74	He	1.393	ug/l	32.9	18000	
As	75	74	He	-0.052	ug/l	N/A	4500	
Se	78	74	H2	0.171	ug/l	42.5	2700	
Sr	88	115	He	0.024	ug/l	223.3	4500	
Mo	95	115	He	0.087	ug/l	83.3	1800	
Ag	107	115	He	0.012	ug/l	8.9	900	
Cd	111	115	He	0.011	ug/l	83.1	4500	
Sn	118	115	He	-0.960	ug/l	N/A	1800	
Sb	121	115	He	-0.063	ug/l	N/A	900	
Ba	137	159	He	0.078	ug/l	107.5	18000	
Tl	205	159	He	0.012	ug/l	20.4	900	
(Pb)	206	209	He	0.080	ug/l	17.3		
(Pb)	207	209	He	0.046	ug/l	38.9		
Pb	208	209	He	0.076	ug/l	16.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1185215.52	1.2	79.2	70	120	
Sc (ISICPMS)	45	No Gas	9568082.91	1.5	96.3	70	120	
Sc (ISICPMS)	45	H2	2827252.70	0.8	96.4	70	120	
Sc (ISICPMS)	45	He	113914.35	1.3	94.2	70	120	
Ge (IS)	74	H2	567067.72	1.1	91.5	70	120	
Ge (IS)	74	He	62725.59	1.6	90.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141979.58	0.9	98.0	70	120	
Tb (IS)	159	He	704285.50	0.3	97.9	70	120	
Bi (IS)	209	He	566751.71	1.1	97.5	70	120	

Continuing Calibration Verification (CCV)

File Name 023_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:53:35

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	89.192	ug/l	4.4	100	90	110	failed
B	11	6	No Gas	266.785	ug/l	0.5	250	225	275	
Na	23	45	He	25457.738	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25072.912	ug/l	2.1	25000	22500	27500	
Al	27	45	He	24565.466	ug/l	1.4	25000	22500	27500	
K	39	45	He	24872.977	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	24859.139	ug/l	1.4	25000	22500	27500	
Ti	47	45	No Gas	99.587	ug/l	3.1	100	90	110	
V	51	74	He	100.734	ug/l	1.0	100	90	110	
Cr	52	74	He	100.819	ug/l	0.6	100	90	110	
Mn	55	74	He	99.528	ug/l	1.8	100	90	110	
Fe	56	74	H2	25746.619	ug/l	0.8	25000	22500	27500	
Co	59	74	He	101.769	ug/l	0.9	100	90	110	
Ni	60	74	He	101.827	ug/l	0.8	100	90	110	
Cu	63	74	He	101.554	ug/l	0.5	100	90	110	
Zn	66	74	He	253.901	ug/l	0.8	250	225	275	
As	75	74	He	99.455	ug/l	1.5	100	90	110	
Se	78	74	H2	101.293	ug/l	2.1	100	90	110	
Sr	88	115	He	98.772	ug/l	1.3	100	90	110	
Mo	95	115	He	99.595	ug/l	0.7	100	90	110	
Ag	107	115	He	49.733	ug/l	1.8	50	45	55	
Cd	111	115	He	100.735	ug/l	1.2	100	90	110	
Sn	118	115	He	99.929	ug/l	1.2	100	90	110	
Sb	121	115	He	100.064	ug/l	1.0	100	90	110	
Ba	137	159	He	100.578	ug/l	1.9	100	90	110	
Tl	205	159	He	101.172	ug/l	0.9	100	90	110	
(Pb)	206	209	He	100.158	ug/l	0.9				
(Pb)	207	209	He	100.162	ug/l	0.8				
Pb	208	209	He	100.076	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1068649.02	1.5	71.4	70	120	
Sc (ISICPMS)	45	No Gas	9247114.86	3.2	93.1	70	120	
Sc (ISICPMS)	45	H2	2758896.18	1.5	94.0	70	120	
Sc (ISICPMS)	45	He	111845.49	0.9	92.5	70	120	
Ge (IS)	74	H2	548963.12	1.4	88.6	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	62311.89	1.3	89.7	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	137463.67	0.6	94.9	70	120	
Tb (IS)	159	He	690655.24	0.5	96.0	70	120	
Bi (IS)	209	He	545991.58	0.6	93.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 024_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 15:55:58

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.006	ug/l	199.2	0.8	-0.8	0.8	
B	11	6	No Gas	-1.953	ug/l	N/A	80	-80	80	
Na	23	45	He	13.907	ug/l	39.6	500	-500	500	
Mg	24	45	He	5.735	ug/l	28.2	200	-200	200	
Al	27	45	He	0.289	ug/l	1097.5	40	-40	40	
K	39	45	He	29.308	ug/l	46.1	200	-200	200	
Ca	40	45	H2	3.581	ug/l	24.7	500	-500	500	
Ti	47	45	No Gas	0.363	ug/l	4.4	4	-4	4	
V	51	74	He	0.018	ug/l	543.9	4	-4	4	
Cr	52	74	He	0.262	ug/l	64.4	4	-4	4	
Mn	55	74	He	0.026	ug/l	335.2	8	-8	8	
Fe	56	74	H2	7.723	ug/l	2.9	120	-120	120	
Co	59	74	He	0.009	ug/l	78.3	4	-4	4	
Ni	60	74	He	0.154	ug/l	31.3	4	-4	4	
Cu	63	74	He	0.085	ug/l	35.7	4	-4	4	
Zn	66	74	He	0.668	ug/l	57.6	16	-16	16	
As	75	74	He	-0.016	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.178	ug/l	65.1	2.5	-2.5	2.5	
Sr	88	115	He	0.024	ug/l	324.7	4	-4	4	
Mo	95	115	He	0.139	ug/l	21.4	4	-4	4	
Ag	107	115	He	0.006	ug/l	27.7	2	-2	2	
Cd	111	115	He	0.001	ug/l	1513.6	2	-2	2	
Sn	118	115	He	-0.175	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.012	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.069	ug/l	62.3	4	-4	4	
Tl	205	159	He	0.027	ug/l	13.2	0.8	-0.8	0.8	
(Pb)	206	209	He	0.062	ug/l	13.6				
(Pb)	207	209	He	0.064	ug/l	34.6				
Pb	208	209	He	0.059	ug/l	10.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1038077.69	0.9	69.4	70	120	fail
Sc (ISICPMS)	45	No Gas	8969333.27	1.6	90.3	70	120	
Sc (ISICPMS)	45	H2	2720094.18	1.2	92.7	70	120	
Sc (ISICPMS)	45	He	109980.04	0.8	90.9	70	120	
Ge (IS)	74	H2	551478.17	0.5	89.0	70	120	
Ge (IS)	74	He	60693.02	0.7	87.3	70	120	
Kr	83	He	6.67	86.6				
In-1	115	He	135529.71	0.5	93.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	683054.49	0.6	94.9	70	120	
Bi (IS)	209	He	553895.93	1.0	95.3	70	120	

Sample Report

File Name 025SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:15:10

Sample Name **MB 460-965324/1-A**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	26.7	1800	
B	11	6	No Gas	-5.671	ug/l	N/A	1800	
Na	23	45	He	-65.420	ug/l	N/A	450000	
Mg	24	45	He	0.134	ug/l	226.5	450000	
Al	27	45	He	-5.076	ug/l	N/A	450000	
K	39	45	He	2.818	ug/l	896.3	450000	
Ca	40	45	H2	-9.697	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.643	ug/l	N/A	9000	
V	51	74	He	-0.386	ug/l	N/A	4500	
Cr	52	74	He	-0.162	ug/l	N/A	18000	
Mn	55	74	He	0.007	ug/l	1261.9	18000	
Fe	56	74	H2	-4.578	ug/l	N/A	450000	
Co	59	74	He	-0.003	ug/l	N/A	1800	
Ni	60	74	He	-0.156	ug/l	N/A	18000	
Cu	63	74	He	0.031	ug/l	124.8	18000	
Zn	66	74	He	1.317	ug/l	8.2	18000	
As	75	74	He	-0.177	ug/l	N/A	4500	
Se	78	74	H2	0.036	ug/l	100.4	2700	
Sr	88	115	He	0.016	ug/l	105.4	4500	
Mo	95	115	He	-0.008	ug/l	N/A	1800	
Ag	107	115	He	0.004	ug/l	96.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.929	ug/l	N/A	1800	
Sb	121	115	He	-0.051	ug/l	N/A	900	
Ba	137	159	He	-0.001	ug/l	N/A	18000	
Tl	205	159	He	0.004	ug/l	31.7	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1117823.36	1.8	74.7	70	120	
Sc (ISICPMS)	45	No Gas	9377598.68	0.4	94.4	70	120	
Sc (ISICPMS)	45	H2	2763705.10	0.3	94.2	70	120	
Sc (ISICPMS)	45	He	111539.40	0.2	92.2	70	120	
Ge (IS)	74	H2	543145.91	0.8	87.7	70	120	
Ge (IS)	74	He	60023.50	0.6	86.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136335.94	0.3	94.1	70	120	
Tb (IS)	159	He	684143.36	1.0	95.1	70	120	
Bi (IS)	209	He	554316.25	0.6	95.3	70	120	

Sample Report

File Name 026SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:17:33

Sample Name **460-300398-E-8-A**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.010	ug/l	57.6	1800	
B	11	6	No Gas	-5.002	ug/l	N/A	1800	
Na	23	45	He	-25.949	ug/l	N/A	450000	
Mg	24	45	He	14.151	ug/l	2.3	450000	
Al	27	45	He	28.010	ug/l	13.3	450000	
K	39	45	He	14.356	ug/l	142.8	450000	
Ca	40	45	H2	195.266	ug/l	2.0	900000	
Ti	47	45	No Gas	1.781	ug/l	2.6	9000	
V	51	74	He	-0.165	ug/l	N/A	4500	
Cr	52	74	He	-0.139	ug/l	N/A	18000	
Mn	55	74	He	0.720	ug/l	11.0	18000	
Fe	56	74	H2	37.580	ug/l	0.6	450000	
Co	59	74	He	0.020	ug/l	22.5	1800	
Ni	60	74	He	1.155	ug/l	17.5	18000	
Cu	63	74	He	0.760	ug/l	14.4	18000	
Zn	66	74	He	2.728	ug/l	23.1	18000	
As	75	74	He	-0.189	ug/l	N/A	4500	
Se	78	74	H2	-0.018	ug/l	N/A	2700	
Sr	88	115	He	0.416	ug/l	23.6	4500	
Mo	95	115	He	0.027	ug/l	168.1	1800	
Ag	107	115	He	0.008	ug/l	22.0	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.756	ug/l	N/A	1800	
Sb	121	115	He	-0.021	ug/l	N/A	900	
Ba	137	159	He	0.326	ug/l	58.1	18000	
Tl	205	159	He	0.003	ug/l	72.9	900	
(Pb)	206	209	He	1.494	ug/l	8.1		
(Pb)	207	209	He	1.545	ug/l	2.5		
Pb	208	209	He	1.556	ug/l	6.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1042034.96	0.7	69.7	70	120	fail
Sc (ISICPMS)	45	No Gas	9074029.03	0.9	91.4	70	120	
Sc (ISICPMS)	45	H2	2724361.14	1.0	92.9	70	120	
Sc (ISICPMS)	45	He	109797.42	1.0	90.8	70	120	
Ge (IS)	74	H2	538136.44	0.9	86.8	70	120	
Ge (IS)	74	He	60174.25	1.9	86.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135117.17	1.8	93.3	70	120	
Tb (IS)	159	He	682184.10	1.6	94.8	70	120	
Bi (IS)	209	He	552923.63	1.7	95.1	70	120	

Sample Report

File Name 027SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:19:56

Sample Name **460-300240-A-13-A**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	13.7	1800	
B	11	6	No Gas	-5.049	ug/l	N/A	1800	
Na	23	45	He	71.182	ug/l	5.7	450000	
Mg	24	45	He	4.120	ug/l	22.1	450000	
Al	27	45	He	4.397	ug/l	47.1	450000	
K	39	45	He	17.071	ug/l	81.8	450000	
Ca	40	45	H2	36.634	ug/l	0.7	900000	
Ti	47	45	No Gas	-0.078	ug/l	N/A	9000	
V	51	74	He	-0.111	ug/l	N/A	4500	
Cr	52	74	He	0.223	ug/l	90.2	18000	
Mn	55	74	He	1.095	ug/l	11.7	18000	
Fe	56	74	H2	67.072	ug/l	0.7	450000	
Co	59	74	He	0.011	ug/l	37.4	1800	
Ni	60	74	He	0.169	ug/l	49.3	18000	
Cu	63	74	He	0.305	ug/l	20.0	18000	
Zn	66	74	He	2.998	ug/l	7.7	18000	
As	75	74	He	-0.149	ug/l	N/A	4500	
Se	78	74	H2	-0.010	ug/l	N/A	2700	
Sr	88	115	He	0.074	ug/l	69.5	4500	
Mo	95	115	He	0.093	ug/l	33.0	1800	
Ag	107	115	He	0.003	ug/l	113.2	900	
Cd	111	115	He	0.001	ug/l	1365.1	4500	
Sn	118	115	He	-0.628	ug/l	N/A	1800	
Sb	121	115	He	0.014	ug/l	333.1	900	
Ba	137	159	He	0.143	ug/l	14.1	18000	
Tl	205	159	He	0.003	ug/l	41.2	900	
(Pb)	206	209	He	0.030	ug/l	28.4		
(Pb)	207	209	He	0.010	ug/l	35.4		
Pb	208	209	He	0.022	ug/l	4.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1055180.50	1.0	70.5	70	120	
Sc (ISICPMS)	45	No Gas	8986833.48	0.6	90.5	70	120	
Sc (ISICPMS)	45	H2	2706882.82	0.6	92.3	70	120	
Sc (ISICPMS)	45	He	108992.95	1.0	90.1	70	120	
Ge (IS)	74	H2	537059.50	0.2	86.7	70	120	
Ge (IS)	74	He	60044.58	0.3	86.4	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134400.92	0.6	92.8	70	120	
Tb (IS)	159	He	675938.08	0.8	94.0	70	120	
Bi (IS)	209	He	549032.77	0.7	94.4	70	120	

Sample Report

File Name 028SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:22:18

Sample Name **460-300428-K-12-A**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	22.0	1800	
B	11	6	No Gas	-5.448	ug/l	N/A	1800	
Na	23	45	He	-14.929	ug/l	N/A	450000	
Mg	24	45	He	0.520	ug/l	197.7	450000	
Al	27	45	He	-2.760	ug/l	N/A	450000	
K	39	45	He	23.414	ug/l	78.9	450000	
Ca	40	45	H2	3.427	ug/l	6.3	900000	
Ti	47	45	No Gas	-0.236	ug/l	N/A	9000	
V	51	74	He	-0.184	ug/l	N/A	4500	
Cr	52	74	He	0.056	ug/l	356.6	18000	
Mn	55	74	He	1.150	ug/l	16.3	18000	
Fe	56	74	H2	491.835	ug/l	1.4	450000	
Co	59	74	He	0.003	ug/l	379.0	1800	
Ni	60	74	He	0.117	ug/l	48.2	18000	
Cu	63	74	He	0.804	ug/l	9.9	18000	
Zn	66	74	He	2.008	ug/l	20.2	18000	
As	75	74	He	-0.150	ug/l	N/A	4500	
Se	78	74	H2	0.005	ug/l	448.5	2700	
Sr	88	115	He	0.084	ug/l	81.6	4500	
Mo	95	115	He	0.001	ug/l	7527.1	1800	
Ag	107	115	He	0.004	ug/l	140.3	900	
Cd	111	115	He	0.007	ug/l	144.5	4500	
Sn	118	115	He	-0.839	ug/l	N/A	1800	
Sb	121	115	He	-0.079	ug/l	N/A	900	
Ba	137	159	He	0.042	ug/l	103.1	18000	
Tl	205	159	He	0.002	ug/l	108.6	900	
(Pb)	206	209	He	0.023	ug/l	100.0		
(Pb)	207	209	He	0.024	ug/l	121.1		
Pb	208	209	He	0.019	ug/l	16.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1045172.98	2.7	69.9	70	120	fail
Sc (ISICPMS)	45	No Gas	9003293.62	2.2	90.7	70	120	
Sc (ISICPMS)	45	H2	2712678.74	0.9	92.5	70	120	
Sc (ISICPMS)	45	He	108753.05	0.8	89.9	70	120	
Ge (IS)	74	H2	540362.59	0.8	87.2	70	120	
Ge (IS)	74	He	59877.30	1.6	86.2	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135165.05	0.7	93.3	70	120	
Tb (IS)	159	He	680063.59	1.7	94.5	70	120	
Bi (IS)	209	He	549826.30	0.3	94.6	70	120	

Sample Report

File Name 029SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:24:42

Sample Name **scan 300240-13**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.021	ug/l	44.0	1800	
B	11	6	No Gas	-6.067	ug/l	N/A	1800	
Na	23	45	He	16.402	ug/l	64.4	450000	
Mg	24	45	He	1.813	ug/l	13.7	450000	
Al	27	45	He	-1.746	ug/l	N/A	450000	
K	39	45	He	28.643	ug/l	43.8	450000	
Ca	40	45	H2	14.683	ug/l	3.7	900000	
Ti	47	45	No Gas	-0.631	ug/l	N/A	9000	
V	51	74	He	-0.465	ug/l	N/A	4500	
Cr	52	74	He	-1.149	ug/l	N/A	18000	
Mn	55	74	He	1.026	ug/l	8.2	18000	
Fe	56	74	H2	54.006	ug/l	1.3	450000	
Co	59	74	He	0.005	ug/l	282.5	1800	
Ni	60	74	He	-0.325	ug/l	N/A	18000	
Cu	63	74	He	0.043	ug/l	93.9	18000	
Zn	66	74	He	1.828	ug/l	16.5	18000	
As	75	74	He	-0.097	ug/l	N/A	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	0.008	ug/l	729.4	4500	
Mo	95	115	He	0.031	ug/l	79.3	1800	
Ag	107	115	He	0.000	ug/l	661.7	900	
Cd	111	115	He	0.012	ug/l	165.5	4500	
Sn	118	115	He	-1.148	ug/l	N/A	1800	
Sb	121	115	He	-0.029	ug/l	N/A	900	
Ba	137	159	He	0.054	ug/l	35.7	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.006	ug/l	N/A		
(Pb)	207	209	He	-0.025	ug/l	N/A		
Pb	208	209	He	-0.014	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1073856.11	0.4	71.8	70	120	
Sc (ISICPMS)	45	No Gas	9109539.52	0.8	91.7	70	120	
Sc (ISICPMS)	45	H2	2777044.30	0.6	94.7	70	120	
Sc (ISICPMS)	45	He	111858.89	1.7	92.5	70	120	
Ge (IS)	74	H2	549843.21	0.5	88.7	70	120	
Ge (IS)	74	He	60421.91	1.6	87.0	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	139987.89	0.6	96.7	70	120	
Tb (IS)	159	He	688874.90	1.3	95.8	70	120	
Bi (IS)	209	He	562442.29	0.8	96.7	70	120	

Sample Report

File Name 030SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:28:53

Sample Name **scan 300428-12**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	66.6	1800	
B	11	6	No Gas	-7.109	ug/l	N/A	1800	
Na	23	45	He	-70.387	ug/l	N/A	450000	
Mg	24	45	He	-0.157	ug/l	N/A	450000	
Al	27	45	He	-4.386	ug/l	N/A	450000	
K	39	45	He	9.342	ug/l	70.3	450000	
Ca	40	45	H2	-10.664	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.839	ug/l	N/A	9000	
V	51	74	He	-0.539	ug/l	N/A	4500	
Cr	52	74	He	-1.545	ug/l	N/A	18000	
Mn	55	74	He	-0.059	ug/l	N/A	18000	
Fe	56	74	H2	-6.622	ug/l	N/A	450000	
Co	59	74	He	-0.010	ug/l	N/A	1800	
Ni	60	74	He	-0.233	ug/l	N/A	18000	
Cu	63	74	He	0.262	ug/l	15.8	18000	
Zn	66	74	He	1.164	ug/l	9.9	18000	
As	75	74	He	-0.127	ug/l	N/A	4500	
Se	78	74	H2	0.019	ug/l	370.8	2700	
Sr	88	115	He	0.070	ug/l	64.6	4500	
Mo	95	115	He	-0.060	ug/l	N/A	1800	
Ag	107	115	He	0.001	ug/l	300.9	900	
Cd	111	115	He	0.012	ug/l	216.6	4500	
Sn	118	115	He	-1.336	ug/l	N/A	1800	
Sb	121	115	He	-0.080	ug/l	N/A	900	
Ba	137	159	He	0.012	ug/l	638.9	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.017	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1140216.18	2.0	76.2	70	120	
Sc (ISICPMS)	45	No Gas	9230872.22	0.3	92.9	70	120	
Sc (ISICPMS)	45	H2	2794998.05	0.9	95.3	70	120	
Sc (ISICPMS)	45	He	111816.48	1.0	92.5	70	120	
Ge (IS)	74	H2	550357.23	0.6	88.8	70	120	
Ge (IS)	74	He	61197.13	1.6	88.1	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	139278.92	0.2	96.2	70	120	
Tb (IS)	159	He	689858.43	0.7	95.9	70	120	
Bi (IS)	209	He	563497.32	0.9	96.9	70	120	

Sample Report

File Name 031SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:31:16

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.018	ug/l	68.7	1800	
B	11	6	No Gas	-6.096	ug/l	N/A	1800	
Na	23	45	He	-37.216	ug/l	N/A	450000	
Mg	24	45	He	-0.048	ug/l	N/A	450000	
Al	27	45	He	-4.599	ug/l	N/A	450000	
K	39	45	He	19.991	ug/l	19.0	450000	
Ca	40	45	H2	-2.934	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.344	ug/l	N/A	9000	
V	51	74	He	-0.194	ug/l	N/A	4500	
Cr	52	74	He	-0.181	ug/l	N/A	18000	
Mn	55	74	He	0.074	ug/l	116.8	18000	
Fe	56	74	H2	-3.516	ug/l	N/A	450000	
Co	59	74	He	0.001	ug/l	1674.3	1800	
Ni	60	74	He	-0.097	ug/l	N/A	18000	
Cu	63	74	He	0.042	ug/l	120.5	18000	
Zn	66	74	He	1.033	ug/l	54.1	18000	
As	75	74	He	-0.218	ug/l	N/A	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	0.047	ug/l	85.3	4500	
Mo	95	115	He	-0.045	ug/l	N/A	1800	
Ag	107	115	He	0.003	ug/l	175.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.920	ug/l	N/A	1800	
Sb	121	115	He	-0.065	ug/l	N/A	900	
Ba	137	159	He	0.000	ug/l	80630.2	18000	
Tl	205	159	He	0.013	ug/l	17.0	900	
(Pb)	206	209	He	0.032	ug/l	88.5		
(Pb)	207	209	He	0.026	ug/l	81.2		
Pb	208	209	He	0.024	ug/l	46.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1065432.57	1.2	71.2	70	120	
Sc (ISICPMS)	45	No Gas	9009983.55	0.8	90.7	70	120	
Sc (ISICPMS)	45	H2	2705374.79	0.7	92.2	70	120	
Sc (ISICPMS)	45	He	108169.48	0.7	89.5	70	120	
Ge (IS)	74	H2	539065.86	0.9	87.0	70	120	
Ge (IS)	74	He	59567.22	0.7	85.7	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134883.41	0.5	93.1	70	120	
Tb (IS)	159	He	675653.42	0.8	93.9	70	120	
Bi (IS)	209	He	549249.03	0.4	94.5	70	120	

Sample Report

File Name 032SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:33:40

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	57.8	1800	
B	11	6	No Gas	-5.911	ug/l	N/A	1800	
Na	23	45	He	-40.665	ug/l	N/A	450000	
Mg	24	45	He	0.644	ug/l	106.1	450000	
Al	27	45	He	-6.385	ug/l	N/A	450000	
K	39	45	He	9.156	ug/l	112.7	450000	
Ca	40	45	H2	-3.293	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.350	ug/l	N/A	9000	
V	51	74	He	-0.239	ug/l	N/A	4500	
Cr	52	74	He	-0.236	ug/l	N/A	18000	
Mn	55	74	He	-0.008	ug/l	N/A	18000	
Fe	56	74	H2	-3.441	ug/l	N/A	450000	
Co	59	74	He	-0.002	ug/l	N/A	1800	
Ni	60	74	He	-0.077	ug/l	N/A	18000	
Cu	63	74	He	-0.003	ug/l	N/A	18000	
Zn	66	74	He	0.774	ug/l	66.1	18000	
As	75	74	He	-0.050	ug/l	N/A	4500	
Se	78	74	H2	-0.002	ug/l	N/A	2700	
Sr	88	115	He	-0.008	ug/l	N/A	4500	
Mo	95	115	He	-0.026	ug/l	N/A	1800	
Ag	107	115	He	0.002	ug/l	177.9	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.916	ug/l	N/A	1800	
Sb	121	115	He	-0.055	ug/l	N/A	900	
Ba	137	159	He	0.029	ug/l	306.4	18000	
Tl	205	159	He	0.012	ug/l	16.3	900	
(Pb)	206	209	He	0.024	ug/l	72.7		
(Pb)	207	209	He	0.026	ug/l	16.9		
Pb	208	209	He	0.030	ug/l	14.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1050417.71	1.6	70.2	70	120	
Sc (ISICPMS)	45	No Gas	8916295.28	1.6	89.8	70	120	
Sc (ISICPMS)	45	H2	2683183.74	1.3	91.5	70	120	
Sc (ISICPMS)	45	He	108233.97	1.0	89.5	70	120	
Ge (IS)	74	H2	534259.23	1.0	86.2	70	120	
Ge (IS)	74	He	59281.66	0.9	85.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134695.84	1.7	93.0	70	120	
Tb (IS)	159	He	673748.62	1.1	93.7	70	120	
Bi (IS)	209	He	547103.24	0.3	94.1	70	120	

Continuing Calibration Verification (CCV)

File Name 033_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:36:03

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	89.733	ug/l	3.7	100	90	110	failed
B	11	6	No Gas	253.374	ug/l	0.8	250	225	275	
Na	23	45	He	25530.429	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25111.685	ug/l	1.3	25000	22500	27500	
Al	27	45	He	24691.865	ug/l	1.2	25000	22500	27500	
K	39	45	He	24786.929	ug/l	1.9	25000	22500	27500	
Ca	40	45	H2	25406.873	ug/l	0.1	25000	22500	27500	
Ti	47	45	No Gas	100.088	ug/l	2.8	100	90	110	
V	51	74	He	101.065	ug/l	1.5	100	90	110	
Cr	52	74	He	101.544	ug/l	1.4	100	90	110	
Mn	55	74	He	101.571	ug/l	1.6	100	90	110	
Fe	56	74	H2	26341.775	ug/l	1.5	25000	22500	27500	
Co	59	74	He	103.535	ug/l	1.5	100	90	110	
Ni	60	74	He	102.921	ug/l	2.1	100	90	110	
Cu	63	74	He	103.399	ug/l	1.8	100	90	110	
Zn	66	74	He	257.968	ug/l	2.8	250	225	275	
As	75	74	He	101.982	ug/l	1.7	100	90	110	
Se	78	74	H2	104.459	ug/l	1.4	100	90	110	
Sr	88	115	He	100.082	ug/l	1.2	100	90	110	
Mo	95	115	He	99.345	ug/l	1.3	100	90	110	
Ag	107	115	He	50.359	ug/l	1.4	50	45	55	
Cd	111	115	He	100.146	ug/l	1.9	100	90	110	
Sn	118	115	He	98.541	ug/l	0.7	100	90	110	
Sb	121	115	He	99.954	ug/l	0.6	100	90	110	
Ba	137	159	He	99.356	ug/l	1.1	100	90	110	
Tl	205	159	He	101.931	ug/l	0.9	100	90	110	
(Pb)	206	209	He	101.168	ug/l	0.3				
(Pb)	207	209	He	100.132	ug/l	0.7				
Pb	208	209	He	100.873	ug/l	0.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1060750.25	0.9	70.9	70	120	
Sc (ISICPMS)	45	No Gas	8767841.74	2.3	88.3	70	120	
Sc (ISICPMS)	45	H2	2649103.07	0.9	90.3	70	120	
Sc (ISICPMS)	45	He	106850.04	0.6	88.4	70	120	
Ge (IS)	74	H2	528554.17	1.1	85.3	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	59487.93	1.0	85.6	70	120	
Kr	83	He	6.67	86.6				
In-1	115	He	132334.12	1.1	91.4	70	120	
Tb (IS)	159	He	674950.18	0.3	93.8	70	120	
Bi (IS)	209	He	532421.21	0.8	91.6	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 034_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:38:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.036	ug/l	21.0	0.8	-0.8	0.8	
B	11	6	No Gas	-4.827	ug/l	N/A	80	-80	80	
Na	23	45	He	10.604	ug/l	65.3	500	-500	500	
Mg	24	45	He	2.386	ug/l	24.8	200	-200	200	
Al	27	45	He	-3.828	ug/l	N/A	40	-40	40	
K	39	45	He	14.384	ug/l	84.5	200	-200	200	
Ca	40	45	H2	2.840	ug/l	21.0	500	-500	500	
Ti	47	45	No Gas	0.260	ug/l	42.1	4	-4	4	
V	51	74	He	-0.027	ug/l	N/A	4	-4	4	
Cr	52	74	He	0.282	ug/l	144.3	4	-4	4	
Mn	55	74	He	0.066	ug/l	147.1	8	-8	8	
Fe	56	74	H2	3.204	ug/l	8.8	120	-120	120	
Co	59	74	He	0.005	ug/l	96.0	4	-4	4	
Ni	60	74	He	0.031	ug/l	201.0	4	-4	4	
Cu	63	74	He	0.003	ug/l	690.1	4	-4	4	
Zn	66	74	He	1.186	ug/l	47.2	16	-16	16	
As	75	74	He	-0.088	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.157	ug/l	36.5	2.5	-2.5	2.5	
Sr	88	115	He	0.022	ug/l	71.3	4	-4	4	
Mo	95	115	He	0.088	ug/l	41.9	4	-4	4	
Ag	107	115	He	0.004	ug/l	166.6	2	-2	2	
Cd	111	115	He	0.002	ug/l	1123.7	2	-2	2	
Sn	118	115	He	-0.357	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.016	ug/l	78.6	2	-2	2	
Ba	137	159	He	0.017	ug/l	254.6	4	-4	4	
Tl	205	159	He	0.027	ug/l	21.9	0.8	-0.8	0.8	
(Pb)	206	209	He	0.042	ug/l	25.0				
(Pb)	207	209	He	0.030	ug/l	73.0				
Pb	208	209	He	0.036	ug/l	40.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	972089.98	1.5	65.0	70	120	fail
Sc (ISICPMS)	45	No Gas	8492888.42	1.9	85.5	70	120	
Sc (ISICPMS)	45	H2	2631017.67	0.7	89.7	70	120	
Sc (ISICPMS)	45	He	104457.61	0.8	86.4	70	120	
Ge (IS)	74	H2	528476.31	0.9	85.3	70	120	
Ge (IS)	74	He	58522.03	0.9	84.2	70	120	
Kr	83	He	6.67	173.2				
In-1	115	He	130922.97	1.4	90.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	661039.30	0.5	91.9	70	120	
Bi (IS)	209	He	535620.27	1.2	92.1	70	120	

Sample Report

File Name 035SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:40:48

Sample Name **MB 460-965990/1-B**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	12.4	1800	
B	11	6	No Gas	-5.538	ug/l	N/A	1800	
Na	23	45	He	-47.447	ug/l	N/A	450000	
Mg	24	45	He	0.788	ug/l	42.8	450000	
Al	27	45	He	-3.902	ug/l	N/A	450000	
K	39	45	He	-4.619	ug/l	N/A	450000	
Ca	40	45	H2	-0.225	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.192	ug/l	N/A	9000	
V	51	74	He	-0.001	ug/l	N/A	4500	
Cr	52	74	He	0.165	ug/l	73.4	18000	
Mn	55	74	He	0.130	ug/l	90.1	18000	
Fe	56	74	H2	0.257	ug/l	189.8	450000	
Co	59	74	He	0.002	ug/l	508.0	1800	
Ni	60	74	He	0.067	ug/l	207.2	18000	
Cu	63	74	He	0.044	ug/l	21.2	18000	
Zn	66	74	He	0.745	ug/l	19.7	18000	
As	75	74	He	-0.050	ug/l	N/A	4500	
Se	78	74	H2	0.022	ug/l	267.2	2700	
Sr	88	115	He	0.034	ug/l	72.5	4500	
Mo	95	115	He	-0.001	ug/l	N/A	1800	
Ag	107	115	He	0.000	ug/l	273.9	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.838	ug/l	N/A	1800	
Sb	121	115	He	-0.048	ug/l	N/A	900	
Ba	137	159	He	0.080	ug/l	143.9	18000	
Tl	205	159	He	0.008	ug/l	29.9	900	
(Pb)	206	209	He	0.000	ug/l	N/A		
(Pb)	207	209	He	-0.016	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1018046.97	0.5	68.1	70	120	fail
Sc (ISICPMS)	45	No Gas	8696569.11	1.1	87.6	70	120	
Sc (ISICPMS)	45	H2	2673688.50	0.4	91.1	70	120	
Sc (ISICPMS)	45	He	107410.42	0.3	88.8	70	120	
Ge (IS)	74	H2	533599.11	0.9	86.1	70	120	
Ge (IS)	74	He	59150.05	0.9	85.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133211.08	1.0	92.0	70	120	
Tb (IS)	159	He	671706.28	0.8	93.4	70	120	
Bi (IS)	209	He	545175.28	0.8	93.8	70	120	

Sample Report

File Name 036SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:43:11

Sample Name **LCS 460-965991/2-A**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.020	ug/l	6.3	1800	
B	11	6	No Gas	502.504	ug/l	3.4	1800	
Na	23	45	He	2422.205	ug/l	3.1	450000	
Mg	24	45	He	2420.491	ug/l	2.0	450000	
Al	27	45	He	2371.919	ug/l	1.5	450000	
K	39	45	He	2406.979	ug/l	2.0	450000	
Ca	40	45	H2	2488.024	ug/l	0.9	900000	
Ti	47	45	No Gas	47.806	ug/l	3.4	9000	
V	51	74	He	49.065	ug/l	2.0	4500	
Cr	52	74	He	49.123	ug/l	2.8	18000	
Mn	55	74	He	239.402	ug/l	1.8	18000	
Fe	56	74	H2	2512.214	ug/l	2.0	450000	
Co	59	74	He	25.521	ug/l	0.4	1800	
Ni	60	74	He	50.264	ug/l	1.9	18000	
Cu	63	74	He	50.810	ug/l	2.2	18000	
Zn	66	74	He	245.589	ug/l	1.7	18000	
As	75	74	He	48.688	ug/l	2.6	4500	
Se	78	74	H2	49.206	ug/l	2.6	2700	
Sr	88	115	He	46.958	ug/l	1.1	4500	
Mo	95	115	He	46.437	ug/l	1.0	1800	
Ag	107	115	He	24.096	ug/l	0.8	900	
Cd	111	115	He	24.216	ug/l	2.8	4500	
Sn	118	115	He	96.632	ug/l	1.5	1800	
Sb	121	115	He	24.174	ug/l	2.2	900	
Ba	137	159	He	47.713	ug/l	0.8	18000	
Tl	205	159	He	19.490	ug/l	1.3	900	
(Pb)	206	209	He	24.052	ug/l	1.2		
(Pb)	207	209	He	23.315	ug/l	2.2		
Pb	208	209	He	23.693	ug/l	0.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1021903.82	2.0	68.3	70	120	fail
Sc (ISICPMS)	45	No Gas	8673065.43	1.6	87.3	70	120	
Sc (ISICPMS)	45	H2	2705910.50	0.9	92.2	70	120	
Sc (ISICPMS)	45	He	107854.98	2.4	89.2	70	120	
Ge (IS)	74	H2	537699.63	1.1	86.8	70	120	
Ge (IS)	74	He	59456.85	2.0	85.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134045.53	0.9	92.6	70	120	
Tb (IS)	159	He	677786.80	0.5	94.2	70	120	
Bi (IS)	209	He	552481.71	0.7	95.0	70	120	

Sample Report

File Name 037SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:45:32

Sample Name **460-300484-H-2-L DU**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	23.9	1800	
B	11	6	No Gas	384.598	ug/l	1.2	1800	
Na	23	45	He	226414.643	ug/l	1.6	450000	
Mg	24	45	He	42135.310	ug/l	1.8	450000	
Al	27	45	He	-3.016	ug/l	N/A	450000	
K	39	45	He	39799.575	ug/l	1.2	450000	
Ca	40	45	H2	162285.824	ug/l	1.5	900000	
Ti	47	45	No Gas	5.698	ug/l	2.5	9000	
V	51	74	He	-0.231	ug/l	N/A	4500	
Cr	52	74	He	-1.103	ug/l	N/A	18000	
Mn	55	74	He	1909.704	ug/l	1.3	18000	
Fe	56	74	H2	9.171	ug/l	0.8	450000	
Co	59	74	He	0.526	ug/l	11.1	1800	
Ni	60	74	He	1.934	ug/l	9.0	18000	
Cu	63	74	He	4.037	ug/l	0.4	18000	
Zn	66	74	He	13.234	ug/l	3.6	18000	
As	75	74	He	0.326	ug/l	53.1	4500	
Se	78	74	H2	0.794	ug/l	31.1	2700	
Sr	88	115	He	1164.302	ug/l	0.4	4500	
Mo	95	115	He	8.910	ug/l	1.3	1800	
Ag	107	115	He	0.003	ug/l	65.7	900	
Cd	111	115	He	0.031	ug/l	144.8	4500	
Sn	118	115	He	-1.127	ug/l	N/A	1800	
Sb	121	115	He	0.722	ug/l	18.4	900	
Ba	137	159	He	72.470	ug/l	1.1	18000	
Tl	205	159	He	0.012	ug/l	33.4	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.011	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1106497.62	1.2	74.0	70	120	
Sc (ISICPMS)	45	No Gas	9112843.83	1.6	91.8	70	120	
Sc (ISICPMS)	45	H2	2747263.99	0.4	93.6	70	120	
Sc (ISICPMS)	45	He	110184.54	0.7	91.1	70	120	
Ge (IS)	74	H2	536696.30	0.4	86.6	70	120	
Ge (IS)	74	He	60605.81	0.5	87.2	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132867.27	1.3	91.7	70	120	
Tb (IS)	159	He	675158.04	1.2	93.8	70	120	
Bi (IS)	209	He	529548.87	0.2	91.1	70	120	

Sample Report

File Name 038SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:47:54

Sample Name **460-300484-H-2-M**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.028	ug/l	40.9	1800	
B	11	6	No Gas	381.811	ug/l	2.3	1800	
Na	23	45	He	221540.843	ug/l	0.5	450000	
Mg	24	45	He	41458.652	ug/l	0.6	450000	
Al	27	45	He	-4.617	ug/l	N/A	450000	
K	39	45	He	39055.177	ug/l	0.6	450000	
Ca	40	45	H2	158630.828	ug/l	3.0	900000	
Ti	47	45	No Gas	5.809	ug/l	3.7	9000	
V	51	74	He	-0.301	ug/l	N/A	4500	
Cr	52	74	He	-1.079	ug/l	N/A	18000	
Mn	55	74	He	1923.907	ug/l	1.6	18000	
Fe	56	74	H2	5.345	ug/l	9.0	450000	
Co	59	74	He	0.491	ug/l	12.1	1800	
Ni	60	74	He	2.113	ug/l	7.8	18000	
Cu	63	74	He	4.028	ug/l	3.1	18000	
Zn	66	74	He	12.535	ug/l	4.9	18000	
As	75	74	He	0.485	ug/l	33.2	4500	
Se	78	74	H2	0.671	ug/l	13.8	2700	
Sr	88	115	He	1159.808	ug/l	0.3	4500	
Mo	95	115	He	8.979	ug/l	3.6	1800	
Ag	107	115	He	0.003	ug/l	171.9	900	
Cd	111	115	He	0.025	ug/l	81.9	4500	
Sn	118	115	He	-1.157	ug/l	N/A	1800	
Sb	121	115	He	0.584	ug/l	16.1	900	
Ba	137	159	He	71.123	ug/l	1.8	18000	
Tl	205	159	He	0.002	ug/l	153.8	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.015	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1124961.38	2.0	75.2	70	120	
Sc (ISICPMS)	45	No Gas	9074029.10	1.0	91.4	70	120	
Sc (ISICPMS)	45	H2	2729363.19	0.9	93.0	70	120	
Sc (ISICPMS)	45	He	112152.37	0.6	92.7	70	120	
Ge (IS)	74	H2	540614.59	0.2	87.2	70	120	
Ge (IS)	74	He	60772.08	1.6	87.5	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133705.73	0.3	92.3	70	120	
Tb (IS)	159	He	680366.90	0.3	94.6	70	120	
Bi (IS)	209	He	529408.31	0.1	91.1	70	120	

Sample Report

File Name 039SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:50:16

Sample Name **sd 460-300484-H-2-M@5**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	51.9	1800	
B	11	6	No Gas	71.211	ug/l	1.4	1800	
Na	23	45	He	44600.668	ug/l	1.1	450000	
Mg	24	45	He	8075.718	ug/l	0.7	450000	
Al	27	45	He	-2.244	ug/l	N/A	450000	
K	39	45	He	7543.488	ug/l	1.1	450000	
Ca	40	45	H2	30156.446	ug/l	2.8	900000	
Ti	47	45	No Gas	1.257	ug/l	10.9	9000	
V	51	74	He	0.012	ug/l	676.8	4500	
Cr	52	74	He	0.036	ug/l	742.4	18000	
Mn	55	74	He	376.071	ug/l	1.5	18000	
Fe	56	74	H2	6.795	ug/l	1.6	450000	
Co	59	74	He	0.097	ug/l	22.2	1800	
Ni	60	74	He	0.583	ug/l	17.4	18000	
Cu	63	74	He	0.958	ug/l	3.6	18000	
Zn	66	74	He	3.957	ug/l	26.5	18000	
As	75	74	He	0.031	ug/l	265.2	4500	
Se	78	74	H2	0.091	ug/l	30.8	2700	
Sr	88	115	He	221.805	ug/l	0.4	4500	
Mo	95	115	He	1.872	ug/l	6.2	1800	
Ag	107	115	He	0.005	ug/l	51.6	900	
Cd	111	115	He	0.024	ug/l	107.0	4500	
Sn	118	115	He	-0.814	ug/l	N/A	1800	
Sb	121	115	He	0.049	ug/l	84.9	900	
Ba	137	159	He	14.043	ug/l	2.5	18000	
Tl	205	159	He	0.010	ug/l	16.4	900	
(Pb)	206	209	He	0.039	ug/l	85.0		
(Pb)	207	209	He	0.002	ug/l	596.1		
Pb	208	209	He	0.020	ug/l	49.0	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1109328.17	0.8	74.2	70	120	
Sc (ISICPMS)	45	No Gas	8896245.21	2.2	89.6	70	120	
Sc (ISICPMS)	45	H2	2700626.16	1.1	92.0	70	120	
Sc (ISICPMS)	45	He	110669.05	0.7	91.5	70	120	
Ge (IS)	74	H2	538671.33	0.7	86.9	70	120	
Ge (IS)	74	He	59630.76	1.6	85.8	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133635.20	1.1	92.3	70	120	
Tb (IS)	159	He	681116.98	1.4	94.7	70	120	
Bi (IS)	209	He	541262.62	0.8	93.1	70	120	

Sample Report

File Name 040SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:52:38

Sample Name **460-300484-H-2-N LS**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.011	ug/l	3.5	1800	
B	11	6	No Gas	889.250	ug/l	0.7	1800	
Na	23	45	He	225106.481	ug/l	1.4	450000	
Mg	24	45	He	44097.663	ug/l	1.1	450000	
Al	27	45	He	2426.142	ug/l	0.8	450000	
K	39	45	He	41972.437	ug/l	0.7	450000	
Ca	40	45	H2	158855.576	ug/l	1.6	900000	
Ti	47	45	No Gas	55.686	ug/l	2.3	9000	
V	51	74	He	49.741	ug/l	0.6	4500	
Cr	52	74	He	48.893	ug/l	0.6	18000	
Mn	55	74	He	2126.564	ug/l	0.7	18000	
Fe	56	74	H2	2451.900	ug/l	2.4	450000	
Co	59	74	He	25.408	ug/l	0.8	1800	
Ni	60	74	He	51.398	ug/l	1.7	18000	
Cu	63	74	He	53.634	ug/l	0.8	18000	
Zn	66	74	He	261.335	ug/l	0.3	18000	
As	75	74	He	51.262	ug/l	3.3	4500	
Se	78	74	H2	53.077	ug/l	2.3	2700	
Sr	88	115	He	1205.545	ug/l	0.6	4500	
Mo	95	115	He	56.354	ug/l	1.6	1800	
Ag	107	115	He	19.135	ug/l	1.7	900	
Cd	111	115	He	24.777	ug/l	2.2	4500	
Sn	118	115	He	47.301	ug/l	0.3	1800	
Sb	121	115	He	22.185	ug/l	1.7	900	
Ba	137	159	He	119.254	ug/l	0.9	18000	
Tl	205	159	He	19.609	ug/l	1.3	900	
(Pb)	206	209	He	25.024	ug/l	0.6		
(Pb)	207	209	He	24.436	ug/l	0.6		
Pb	208	209	He	24.737	ug/l	0.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1127639.07	1.4	75.4	70	120	
Sc (ISICPMS)	45	No Gas	8971563.27	3.0	90.3	70	120	
Sc (ISICPMS)	45	H2	2753861.24	0.5	93.9	70	120	
Sc (ISICPMS)	45	He	112196.02	0.4	92.8	70	120	
Ge (IS)	74	H2	544940.65	0.3	87.9	70	120	
Ge (IS)	74	He	61587.70	0.6	88.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134708.07	0.5	93.0	70	120	
Tb (IS)	159	He	688627.48	0.9	95.7	70	120	
Bi (IS)	209	He	535582.97	1.0	92.1	70	120	

Sample Report

File Name 041SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:54:59

Sample Name **460-300484-H-2-O MSD**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	23.641	ug/l	2.4	1800	
B	11	6	No Gas	877.306	ug/l	2.4	1800	
Na	23	45	He	222738.649	ug/l	1.6	450000	
Mg	24	45	He	43613.001	ug/l	0.2	450000	
Al	27	45	He	2457.914	ug/l	1.5	450000	
K	39	45	He	41537.730	ug/l	0.1	450000	
Ca	40	45	H2	159532.232	ug/l	1.1	900000	
Ti	47	45	No Gas	56.189	ug/l	1.5	9000	
V	51	74	He	49.985	ug/l	0.3	4500	
Cr	52	74	He	48.987	ug/l	1.3	18000	
Mn	55	74	He	2157.491	ug/l	0.1	18000	
Fe	56	74	H2	2479.308	ug/l	1.4	450000	
Co	59	74	He	25.448	ug/l	0.6	1800	
Ni	60	74	He	52.184	ug/l	1.0	18000	
Cu	63	74	He	53.586	ug/l	1.5	18000	
Zn	66	74	He	263.618	ug/l	1.2	18000	
As	75	74	He	52.198	ug/l	2.1	4500	
Se	78	74	H2	54.399	ug/l	1.5	2700	
Sr	88	115	He	1203.202	ug/l	0.7	4500	
Mo	95	115	He	56.992	ug/l	0.5	1800	
Ag	107	115	He	19.397	ug/l	3.3	900	
Cd	111	115	He	25.222	ug/l	1.9	4500	
Sn	118	115	He	47.820	ug/l	0.8	1800	
Sb	121	115	He	21.677	ug/l	1.1	900	
Ba	137	159	He	121.150	ug/l	1.1	18000	
Tl	205	159	He	19.692	ug/l	0.3	900	
(Pb)	206	209	He	25.224	ug/l	1.0		
(Pb)	207	209	He	24.680	ug/l	1.4		
Pb	208	209	He	24.936	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1169263.03	2.7	78.2	70	120	
Sc (ISICPMS)	45	No Gas	9035758.20	0.9	91.0	70	120	
Sc (ISICPMS)	45	H2	2751745.52	1.4	93.8	70	120	
Sc (ISICPMS)	45	He	113055.47	0.5	93.5	70	120	
Ge (IS)	74	H2	543738.23	2.0	87.7	70	120	
Ge (IS)	74	He	61517.15	0.6	88.5	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135548.25	1.4	93.6	70	120	
Tb (IS)	159	He	684666.01	0.5	95.2	70	120	
Bi (IS)	209	He	531260.09	0.8	91.4	70	120	

Sample Report

File Name 042SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:57:20

Sample Name **460-300484-H-1-D**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.030	ug/l	19.3	1800	
B	11	6	No Gas	331.048	ug/l	2.7	1800	
Na	23	45	He	103725.646	ug/l	1.4	450000	
Mg	24	45	He	25793.285	ug/l	0.7	450000	
Al	27	45	He	-5.153	ug/l	N/A	450000	
K	39	45	He	29778.226	ug/l	0.6	450000	
Ca	40	45	H2	184214.980	ug/l	1.6	900000	
Ti	47	45	No Gas	3.820	ug/l	3.6	9000	
V	51	74	He	-0.075	ug/l	N/A	4500	
Cr	52	74	He	-1.238	ug/l	N/A	18000	
Mn	55	74	He	1557.078	ug/l	0.7	18000	
Fe	56	74	H2	-2.468	ug/l	N/A	450000	
Co	59	74	He	7.016	ug/l	2.2	1800	
Ni	60	74	He	5.314	ug/l	3.6	18000	
Cu	63	74	He	1.126	ug/l	10.6	18000	
Zn	66	74	He	22.178	ug/l	3.6	18000	
As	75	74	He	0.252	ug/l	84.3	4500	
Se	78	74	H2	0.293	ug/l	36.7	2700	
Sr	88	115	He	537.503	ug/l	0.6	4500	
Mo	95	115	He	2.530	ug/l	4.7	1800	
Ag	107	115	He	0.006	ug/l	65.9	900	
Cd	111	115	He	0.047	ug/l	92.4	4500	
Sn	118	115	He	-0.920	ug/l	N/A	1800	
Sb	121	115	He	0.734	ug/l	10.1	900	
Ba	137	159	He	15.904	ug/l	3.8	18000	
Tl	205	159	He	0.052	ug/l	12.4	900	
(Pb)	206	209	He	0.021	ug/l	33.8		
(Pb)	207	209	He	0.013	ug/l	106.2		
Pb	208	209	He	0.019	ug/l	42.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1150113.68	2.6	76.9	70	120	
Sc (ISICPMS)	45	No Gas	9064306.67	1.1	91.3	70	120	
Sc (ISICPMS)	45	H2	2735834.51	0.7	93.2	70	120	
Sc (ISICPMS)	45	He	112583.23	0.3	93.1	70	120	
Ge (IS)	74	H2	538597.30	0.3	86.9	70	120	
Ge (IS)	74	He	61080.08	0.3	87.9	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135474.31	1.0	93.5	70	120	
Tb (IS)	159	He	687262.93	1.0	95.5	70	120	
Bi (IS)	209	He	537871.48	0.8	92.5	70	120	

Sample Report

File Name 043SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 16:59:42

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	38.0	1800	
B	11	6	No Gas	-0.459	ug/l	N/A	1800	
Na	23	45	He	-24.691	ug/l	N/A	450000	
Mg	24	45	He	2.565	ug/l	34.8	450000	
Al	27	45	He	0.042	ug/l	2851.1	450000	
K	39	45	He	-25.398	ug/l	N/A	450000	
Ca	40	45	H2	13.432	ug/l	4.1	900000	
Ti	47	45	No Gas	-0.180	ug/l	N/A	9000	
V	51	74	He	-0.267	ug/l	N/A	4500	
Cr	52	74	He	-0.184	ug/l	N/A	18000	
Mn	55	74	He	0.282	ug/l	34.8	18000	
Fe	56	74	H2	-3.151	ug/l	N/A	450000	
Co	59	74	He	0.006	ug/l	196.9	1800	
Ni	60	74	He	-0.080	ug/l	N/A	18000	
Cu	63	74	He	0.058	ug/l	94.1	18000	
Zn	66	74	He	0.857	ug/l	20.9	18000	
As	75	74	He	-0.123	ug/l	N/A	4500	
Se	78	74	H2	0.037	ug/l	131.5	2700	
Sr	88	115	He	0.077	ug/l	63.4	4500	
Mo	95	115	He	0.141	ug/l	64.8	1800	
Ag	107	115	He	0.003	ug/l	136.5	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.880	ug/l	N/A	1800	
Sb	121	115	He	0.008	ug/l	126.7	900	
Ba	137	159	He	0.020	ug/l	162.8	18000	
Tl	205	159	He	0.011	ug/l	29.0	900	
(Pb)	206	209	He	0.023	ug/l	68.6		
(Pb)	207	209	He	0.035	ug/l	67.4		
Pb	208	209	He	0.030	ug/l	34.7	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1095588.00	0.7	73.2	70	120	
Sc (ISICPMS)	45	No Gas	9019257.30	1.6	90.8	70	120	
Sc (ISICPMS)	45	H2	2699139.33	0.2	92.0	70	120	
Sc (ISICPMS)	45	He	110525.69	1.8	91.4	70	120	
Ge (IS)	74	H2	536458.34	0.1	86.6	70	120	
Ge (IS)	74	He	60479.82	1.2	87.0	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136736.79	0.9	94.4	70	120	
Tb (IS)	159	He	685510.66	0.3	95.3	70	120	
Bi (IS)	209	He	557655.21	0.8	95.9	70	120	

Sample Report

File Name 044SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:04:18

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	49.9	1800	
B	11	6	No Gas	-2.746	ug/l	N/A	1800	
Na	23	45	He	-40.661	ug/l	N/A	450000	
Mg	24	45	He	0.306	ug/l	114.6	450000	
Al	27	45	He	-3.404	ug/l	N/A	450000	
K	39	45	He	-32.276	ug/l	N/A	450000	
Ca	40	45	H2	-2.706	ug/l	N/A	900000	
Ti	47	45	No Gas	-0.319	ug/l	N/A	9000	
V	51	74	He	-0.205	ug/l	N/A	4500	
Cr	52	74	He	-0.157	ug/l	N/A	18000	
Mn	55	74	He	-0.020	ug/l	N/A	18000	
Fe	56	74	H2	-3.535	ug/l	N/A	450000	
Co	59	74	He	0.012	ug/l	115.2	1800	
Ni	60	74	He	-0.049	ug/l	N/A	18000	
Cu	63	74	He	0.142	ug/l	20.1	18000	
Zn	66	74	He	1.054	ug/l	29.0	18000	
As	75	74	He	-0.035	ug/l	N/A	4500	
Se	78	74	H2	0.007	ug/l	1287.2	2700	
Sr	88	115	He	0.021	ug/l	31.4	4500	
Mo	95	115	He	0.060	ug/l	48.9	1800	
Ag	107	115	He	0.006	ug/l	62.6	900	
Cd	111	115	He	0.001	ug/l	1736.5	4500	
Sn	118	115	He	-0.918	ug/l	N/A	1800	
Sb	121	115	He	-0.053	ug/l	N/A	900	
Ba	137	159	He	0.021	ug/l	311.9	18000	
Tl	205	159	He	0.011	ug/l	29.9	900	
(Pb)	206	209	He	0.025	ug/l	64.1		
(Pb)	207	209	He	0.025	ug/l	92.7		
Pb	208	209	He	0.028	ug/l	16.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1048610.02	1.5	70.1	70	120	
Sc (ISICPMS)	45	No Gas	8879717.23	1.8	89.4	70	120	
Sc (ISICPMS)	45	H2	2696534.47	0.9	91.9	70	120	
Sc (ISICPMS)	45	He	108752.02	1.2	89.9	70	120	
Ge (IS)	74	H2	536052.17	1.4	86.5	70	120	
Ge (IS)	74	He	59242.51	0.8	85.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135091.06	1.8	93.3	70	120	
Tb (IS)	159	He	678471.41	1.5	94.3	70	120	
Bi (IS)	209	He	551449.57	1.1	94.9	70	120	

Continuing Calibration Verification (CCV)

File Name 045_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:06:42

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	94.041	ug/l	1.1	100	90	110	
B	11	6	No Gas	260.395	ug/l	1.9	250	225	275	
Na	23	45	He	25737.570	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25429.610	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25033.822	ug/l	0.9	25000	22500	27500	
K	39	45	He	25210.700	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25457.828	ug/l	1.3	25000	22500	27500	
Ti	47	45	No Gas	101.389	ug/l	0.7	100	90	110	
V	51	74	He	102.292	ug/l	0.7	100	90	110	
Cr	52	74	He	103.278	ug/l	1.1	100	90	110	
Mn	55	74	He	104.682	ug/l	0.6	100	90	110	
Fe	56	74	H2	26737.922	ug/l	1.3	25000	22500	27500	
Co	59	74	He	105.773	ug/l	0.9	100	90	110	
Ni	60	74	He	105.711	ug/l	0.6	100	90	110	
Cu	63	74	He	104.912	ug/l	0.8	100	90	110	
Zn	66	74	He	266.421	ug/l	1.3	250	225	275	
As	75	74	He	102.266	ug/l	0.5	100	90	110	
Se	78	74	H2	104.727	ug/l	1.3	100	90	110	
Sr	88	115	He	100.259	ug/l	0.8	100	90	110	
Mo	95	115	He	100.704	ug/l	0.3	100	90	110	
Ag	107	115	He	51.288	ug/l	0.9	50	45	55	
Cd	111	115	He	100.549	ug/l	1.8	100	90	110	
Sn	118	115	He	100.499	ug/l	0.2	100	90	110	
Sb	121	115	He	101.156	ug/l	0.4	100	90	110	
Ba	137	159	He	101.061	ug/l	1.8	100	90	110	
Tl	205	159	He	103.807	ug/l	0.8	100	90	110	
(Pb)	206	209	He	101.431	ug/l	0.8				
(Pb)	207	209	He	101.353	ug/l	1.5				
Pb	208	209	He	101.731	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1057226.16	0.2	70.7	70	120	
Sc (ISICPMS)	45	No Gas	8669802.03	0.5	87.3	70	120	
Sc (ISICPMS)	45	H2	2623716.68	0.4	89.4	70	120	
Sc (ISICPMS)	45	He	106487.28	0.4	88.1	70	120	
Ge (IS)	74	H2	523516.56	0.9	84.5	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58890.12	1.1	84.7	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	131004.00	0.2	90.5	70	120	
Tb (IS)	159	He	662781.97	0.2	92.1	70	120	
Bi (IS)	209	He	527945.20	0.9	90.8	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 046_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:09:03

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.037	ug/l	47.7	0.8	-0.8	0.8	
B	11	6	No Gas	-2.318	ug/l	N/A	80	-80	80	
Na	23	45	He	-22.338	ug/l	N/A	500	-500	500	
Mg	24	45	He	2.463	ug/l	20.3	200	-200	200	
Al	27	45	He	-1.434	ug/l	N/A	40	-40	40	
K	39	45	He	-39.019	ug/l	N/A	200	-200	200	
Ca	40	45	H2	0.252	ug/l	182.4	500	-500	500	
Ti	47	45	No Gas	-0.128	ug/l	N/A	4	-4	4	
V	51	74	He	-0.297	ug/l	N/A	4	-4	4	
Cr	52	74	He	0.025	ug/l	443.5	4	-4	4	
Mn	55	74	He	0.029	ug/l	197.6	8	-8	8	
Fe	56	74	H2	0.491	ug/l	32.7	120	-120	120	
Co	59	74	He	0.003	ug/l	397.8	4	-4	4	
Ni	60	74	He	-0.041	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.052	ug/l	20.7	4	-4	4	
Zn	66	74	He	0.892	ug/l	89.0	16	-16	16	
As	75	74	He	-0.019	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.166	ug/l	14.9	2.5	-2.5	2.5	
Sr	88	115	He	0.057	ug/l	43.5	4	-4	4	
Mo	95	115	He	0.082	ug/l	63.9	4	-4	4	
Ag	107	115	He	0.002	ug/l	125.7	2	-2	2	
Cd	111	115	He	-0.004	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.638	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.090	ug/l	N/A	2	-2	2	
Ba	137	159	He	-0.006	ug/l	N/A	4	-4	4	
Tl	205	159	He	0.032	ug/l	20.6	0.8	-0.8	0.8	
(Pb)	206	209	He	0.031	ug/l	43.5				
(Pb)	207	209	He	0.018	ug/l	108.9				
Pb	208	209	He	0.019	ug/l	13.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1015646.37	1.1	67.9	70	120	fail
Sc (ISICPMS)	45	No Gas	8646434.31	1.3	87.1	70	120	
Sc (ISICPMS)	45	H2	2633325.52	1.3	89.8	70	120	
Sc (ISICPMS)	45	He	107060.10	1.5	88.5	70	120	
Ge (IS)	74	H2	526619.40	1.1	85.0	70	120	
Ge (IS)	74	He	58923.61	0.9	84.8	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	133048.86	1.3	91.9	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	672666.79	0.6	93.5	70	120	
Bi (IS)	209	He	546327.96	0.5	94.0	70	120	

Sample Report

File Name 047SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:11:26

Sample Name **460-300484-H-3-D**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	24.2	1800	
B	11	6	No Gas	194.775	ug/l	1.2	1800	
Na	23	45	He	361893.597	ug/l	1.0	450000	
Mg	24	45	He	23919.909	ug/l	0.7	450000	
Al	27	45	He	-3.956	ug/l	N/A	450000	
K	39	45	He	20619.005	ug/l	0.6	450000	
Ca	40	45	H2	96706.114	ug/l	2.3	900000	
Ti	47	45	No Gas	2.920	ug/l	4.3	9000	
V	51	74	He	-0.454	ug/l	N/A	4500	
Cr	52	74	He	-0.870	ug/l	N/A	18000	
Mn	55	74	He	814.192	ug/l	1.2	18000	
Fe	56	74	H2	5.923	ug/l	5.5	450000	
Co	59	74	He	0.158	ug/l	5.6	1800	
Ni	60	74	He	0.597	ug/l	34.0	18000	
Cu	63	74	He	0.500	ug/l	4.1	18000	
Zn	66	74	He	4.293	ug/l	19.0	18000	
As	75	74	He	0.336	ug/l	128.2	4500	
Se	78	74	H2	0.222	ug/l	33.8	2700	
Sr	88	115	He	702.445	ug/l	0.6	4500	
Mo	95	115	He	6.795	ug/l	1.7	1800	
Ag	107	115	He	0.003	ug/l	226.4	900	
Cd	111	115	He	0.013	ug/l	155.2	4500	
Sn	118	115	He	-1.186	ug/l	N/A	1800	
Sb	121	115	He	0.541	ug/l	8.0	900	
Ba	137	159	He	250.000	ug/l	0.3	18000	
Tl	205	159	He	0.007	ug/l	85.6	900	
(Pb)	206	209	He	-0.017	ug/l	N/A		
(Pb)	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.015	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1093457.22	1.1	73.1	70	120	
Sc (ISICPMS)	45	No Gas	9007332.16	0.9	90.7	70	120	
Sc (ISICPMS)	45	H2	2747881.83	0.8	93.7	70	120	
Sc (ISICPMS)	45	He	112691.78	0.3	93.2	70	120	
Ge (IS)	74	H2	540205.08	0.2	87.2	70	120	
Ge (IS)	74	He	60865.75	0.2	87.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133497.11	0.9	92.2	70	120	
Tb (IS)	159	He	681574.12	0.8	94.7	70	120	
Bi (IS)	209	He	526127.73	0.8	90.5	70	120	

Sample Report

File Name 048SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:13:48

Sample Name **460-300484-H-4-D**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	14.1	1800	
B	11	6	No Gas	224.662	ug/l	1.5	1800	
Na	23	45	He	359579.563	ug/l	1.4	450000	
Mg	24	45	He	26114.505	ug/l	0.8	450000	
Al	27	45	He	-3.630	ug/l	N/A	450000	
K	39	45	He	21469.687	ug/l	0.2	450000	
Ca	40	45	H2	92517.200	ug/l	4.2	900000	
Ti	47	45	No Gas	3.071	ug/l	3.1	9000	
V	51	74	He	-0.504	ug/l	N/A	4500	
Cr	52	74	He	-0.985	ug/l	N/A	18000	
Mn	55	74	He	783.290	ug/l	1.0	18000	
Fe	56	74	H2	8.552	ug/l	8.0	450000	
Co	59	74	He	0.131	ug/l	18.2	1800	
Ni	60	74	He	0.808	ug/l	5.7	18000	
Cu	63	74	He	0.452	ug/l	12.2	18000	
Zn	66	74	He	3.050	ug/l	9.9	18000	
As	75	74	He	0.213	ug/l	36.2	4500	
Se	78	74	H2	0.298	ug/l	28.0	2700	
Sr	88	115	He	688.239	ug/l	0.6	4500	
Mo	95	115	He	6.737	ug/l	2.5	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	0.024	ug/l	178.6	4500	
Sn	118	115	He	-1.153	ug/l	N/A	1800	
Sb	121	115	He	0.526	ug/l	6.6	900	
Ba	137	159	He	247.619	ug/l	2.3	18000	
Tl	205	159	He	0.000	ug/l	N/A	900	
(Pb)	206	209	He	0.013	ug/l	197.7		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	0.005	ug/l	57.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1088955.73	1.2	72.8	70	120	
Sc (ISICPMS)	45	No Gas	8898033.55	0.3	89.6	70	120	
Sc (ISICPMS)	45	H2	2765355.83	1.2	94.3	70	120	
Sc (ISICPMS)	45	He	112485.77	0.8	93.0	70	120	
Ge (IS)	74	H2	542892.14	1.3	87.6	70	120	
Ge (IS)	74	He	60894.78	1.1	87.6	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134058.92	0.9	92.6	70	120	
Tb (IS)	159	He	678710.25	0.5	94.3	70	120	
Bi (IS)	209	He	522768.70	0.6	89.9	70	120	

Sample Report

File Name 049SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:16:10

Sample Name **460-300349-H-1-D**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.017	ug/l	32.3	1800	
B	11	6	No Gas	834.555	ug/l	1.6	1800	
Na	23	45	He	101237.449	ug/l	1.8	450000	
Mg	24	45	He	18225.312	ug/l	0.9	450000	
Al	27	45	He	-4.214	ug/l	N/A	450000	
K	39	45	He	22789.532	ug/l	1.1	450000	
Ca	40	45	H2	213961.795	ug/l	2.3	900000	
Ti	47	45	No Gas	3.282	ug/l	4.6	9000	
V	51	74	He	-0.596	ug/l	N/A	4500	
Cr	52	74	He	-1.017	ug/l	N/A	18000	
Mn	55	74	He	753.567	ug/l	1.0	18000	
Fe	56	74	H2	6.232	ug/l	5.4	450000	
Co	59	74	He	8.452	ug/l	0.9	1800	
Ni	60	74	He	5.664	ug/l	5.5	18000	
Cu	63	74	He	1.021	ug/l	2.5	18000	
Zn	66	74	He	121.383	ug/l	2.6	18000	
As	75	74	He	1.292	ug/l	27.0	4500	
Se	78	74	H2	0.187	ug/l	56.1	2700	
Sr	88	115	He	2648.922	ug/l	1.1	4500	
Mo	95	115	He	6.309	ug/l	3.3	1800	
Ag	107	115	He	0.003	ug/l	67.4	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-1.180	ug/l	N/A	1800	
Sb	121	115	He	0.353	ug/l	6.6	900	
Ba	137	159	He	58.028	ug/l	1.7	18000	
Tl	205	159	He	0.014	ug/l	17.1	900	
(Pb)	206	209	He	0.170	ug/l	9.3		
(Pb)	207	209	He	0.131	ug/l	28.8		
Pb	208	209	He	0.151	ug/l	13.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1058888.97	1.0	70.8	70	120	
Sc (ISICPMS)	45	No Gas	8971332.16	1.3	90.3	70	120	
Sc (ISICPMS)	45	H2	2781116.07	0.7	94.8	70	120	
Sc (ISICPMS)	45	He	112048.20	0.9	92.7	70	120	
Ge (IS)	74	H2	548756.88	0.6	88.6	70	120	
Ge (IS)	74	He	61032.12	1.5	87.8	70	120	
Kr	83	He	13.35	114.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135974.48	0.7	93.9	70	120	
Tb (IS)	159	He	689159.55	1.6	95.8	70	120	
Bi (IS)	209	He	539136.50	0.7	92.7	70	120	

Sample Report

File Name 050SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:18:32

Sample Name **460-300349-H-2-D**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	12.9	1800	
B	11	6	No Gas	186.749	ug/l	2.5	1800	
Na	23	45	He	106848.005	ug/l	0.8	450000	
Mg	24	45	He	12105.794	ug/l	0.2	450000	
Al	27	45	He	-5.232	ug/l	N/A	450000	
K	39	45	He	14177.581	ug/l	1.0	450000	
Ca	40	45	H2	119964.092	ug/l	1.1	900000	
Ti	47	45	No Gas	3.927	ug/l	3.3	9000	
V	51	74	He	-0.602	ug/l	N/A	4500	
Cr	52	74	He	-1.192	ug/l	N/A	18000	
Mn	55	74	He	1039.597	ug/l	0.3	18000	
Fe	56	74	H2	0.421	ug/l	14.5	450000	
Co	59	74	He	0.696	ug/l	7.9	1800	
Ni	60	74	He	0.618	ug/l	23.0	18000	
Cu	63	74	He	0.007	ug/l	601.6	18000	
Zn	66	74	He	1.467	ug/l	50.9	18000	
As	75	74	He	1.321	ug/l	25.3	4500	
Se	78	74	H2	0.106	ug/l	100.6	2700	
Sr	88	115	He	590.673	ug/l	0.9	4500	
Mo	95	115	He	2.839	ug/l	2.6	1800	
Ag	107	115	He	0.001	ug/l	338.0	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.187	ug/l	N/A	1800	
Sb	121	115	He	0.419	ug/l	12.4	900	
Ba	137	159	He	135.469	ug/l	1.4	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	-0.009	ug/l	N/A		
(Pb)	207	209	He	-0.020	ug/l	N/A		
Pb	208	209	He	-0.005	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1063794.25	1.9	71.1	70	120	
Sc (ISICPMS)	45	No Gas	9119030.77	2.2	91.8	70	120	
Sc (ISICPMS)	45	H2	2719717.27	0.9	92.7	70	120	
Sc (ISICPMS)	45	He	110795.65	0.6	91.6	70	120	
Ge (IS)	74	H2	541176.58	1.1	87.3	70	120	
Ge (IS)	74	He	61056.52	0.6	87.9	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135021.60	0.6	93.2	70	120	
Tb (IS)	159	He	678864.85	0.4	94.4	70	120	
Bi (IS)	209	He	537443.01	1.1	92.4	70	120	

Sample Report

File Name 051SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:20:55

Sample Name **460-300349-H-3-D**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	24.6	1800	
B	11	6	No Gas	209.138	ug/l	0.5	1800	
Na	23	45	He	239138.288	ug/l	0.9	450000	
Mg	24	45	He	11833.611	ug/l	1.2	450000	
Al	27	45	He	-4.736	ug/l	N/A	450000	
K	39	45	He	14953.999	ug/l	1.1	450000	
Ca	40	45	H2	113753.129	ug/l	2.9	900000	
Ti	47	45	No Gas	6.507	ug/l	4.3	9000	
V	51	74	He	-0.508	ug/l	N/A	4500	
Cr	52	74	He	-1.144	ug/l	N/A	18000	
Mn	55	74	He	1390.033	ug/l	1.4	18000	
Fe	56	74	H2	283.843	ug/l	0.6	450000	
Co	59	74	He	0.223	ug/l	9.0	1800	
Ni	60	74	He	0.612	ug/l	11.8	18000	
Cu	63	74	He	-0.020	ug/l	N/A	18000	
Zn	66	74	He	2.828	ug/l	25.9	18000	
As	75	74	He	0.125	ug/l	82.4	4500	
Se	78	74	H2	0.065	ug/l	89.1	2700	
Sr	88	115	He	624.288	ug/l	1.0	4500	
Mo	95	115	He	0.160	ug/l	14.5	1800	
Ag	107	115	He	0.003	ug/l	34.0	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.157	ug/l	N/A	1800	
Sb	121	115	He	0.147	ug/l	45.8	900	
Ba	137	159	He	69.057	ug/l	1.3	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.034	ug/l	N/A		
(Pb)	207	209	He	-0.010	ug/l	N/A		
Pb	208	209	He	-0.020	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1111827.23	2.3	74.3	70	120	
Sc (ISICPMS)	45	No Gas	9072900.42	0.6	91.4	70	120	
Sc (ISICPMS)	45	H2	2783142.53	0.7	94.9	70	120	
Sc (ISICPMS)	45	He	113650.83	0.3	94.0	70	120	
Ge (IS)	74	H2	548863.76	0.3	88.6	70	120	
Ge (IS)	74	He	61713.80	1.4	88.8	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135586.73	1.2	93.6	70	120	
Tb (IS)	159	He	681858.47	0.9	94.8	70	120	
Bi (IS)	209	He	532742.92	0.6	91.6	70	120	

Sample Report

File Name 052SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:23:16

Sample Name **460-300349-H-4-D**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	22.8	1800	
B	11	6	No Gas	36.796	ug/l	3.7	1800	
Na	23	45	He	70783.143	ug/l	1.7	450000	
Mg	24	45	He	16.021	ug/l	2.9	450000	
Al	27	45	He	694.180	ug/l	1.0	450000	
K	39	45	He	16587.511	ug/l	0.6	450000	
Ca	40	45	H2	66732.760	ug/l	3.6	900000	
Ti	47	45	No Gas	-0.203	ug/l	N/A	9000	
V	51	74	He	2.217	ug/l	8.1	4500	
Cr	52	74	He	-0.663	ug/l	N/A	18000	
Mn	55	74	He	0.185	ug/l	17.3	18000	
Fe	56	74	H2	-3.410	ug/l	N/A	450000	
Co	59	74	He	0.126	ug/l	7.1	1800	
Ni	60	74	He	0.417	ug/l	31.9	18000	
Cu	63	74	He	0.580	ug/l	11.0	18000	
Zn	66	74	He	2.514	ug/l	13.9	18000	
As	75	74	He	2.056	ug/l	15.9	4500	
Se	78	74	H2	0.176	ug/l	33.5	2700	
Sr	88	115	He	847.878	ug/l	1.4	4500	
Mo	95	115	He	4.731	ug/l	0.3	1800	
Ag	107	115	He	0.000	ug/l	N/A	900	
Cd	111	115	He	0.001	ug/l	1364.0	4500	
Sn	118	115	He	-1.149	ug/l	N/A	1800	
Sb	121	115	He	0.511	ug/l	10.2	900	
Ba	137	159	He	134.175	ug/l	0.2	18000	
Tl	205	159	He	0.003	ug/l	45.2	900	
(Pb)	206	209	He	0.150	ug/l	20.2		
(Pb)	207	209	He	0.089	ug/l	31.6		
Pb	208	209	He	0.121	ug/l	6.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1077119.89	2.0	72.0	70	120	
Sc (ISICPMS)	45	No Gas	8927533.69	0.2	89.9	70	120	
Sc (ISICPMS)	45	H2	2722155.69	0.3	92.8	70	120	
Sc (ISICPMS)	45	He	110894.01	0.9	91.7	70	120	
Ge (IS)	74	H2	539153.79	0.3	87.0	70	120	
Ge (IS)	74	He	61289.70	1.3	88.2	70	120	
Kr	83	He	10.01	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135960.20	2.0	93.9	70	120	
Tb (IS)	159	He	680651.52	1.4	94.6	70	120	
Bi (IS)	209	He	537672.57	0.9	92.5	70	120	

Sample Report

File Name 053SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:25:38

Sample Name **460-300430-E-1-B**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	29.0	1800	
B	11	6	No Gas	282.678	ug/l	1.6	1800	
Na	23	45	He	957185.139	ug/l	1.5	450000	>LDR 200.8□>LDR 6020B
Mg	24	45	He	26313.990	ug/l	1.1	450000	
Al	27	45	He	-4.016	ug/l	N/A	450000	
K	39	45	He	28578.950	ug/l	1.1	450000	
Ca	40	45	H2	164987.836	ug/l	1.6	900000	
Ti	47	45	No Gas	5.272	ug/l	2.4	9000	
V	51	74	He	-0.643	ug/l	N/A	4500	
Cr	52	74	He	-1.000	ug/l	N/A	18000	
Mn	55	74	He	1265.294	ug/l	0.5	18000	
Fe	56	74	H2	10.913	ug/l	26.3	450000	
Co	59	74	He	0.245	ug/l	5.5	1800	
Ni	60	74	He	1.228	ug/l	15.9	18000	
Cu	63	74	He	0.071	ug/l	62.6	18000	
Zn	66	74	He	1.633	ug/l	35.7	18000	
As	75	74	He	0.229	ug/l	73.9	4500	
Se	78	74	H2	0.093	ug/l	95.0	2700	
Sr	88	115	He	1259.853	ug/l	1.3	4500	
Mo	95	115	He	1.185	ug/l	4.7	1800	
Ag	107	115	He	0.001	ug/l	349.8	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-1.144	ug/l	N/A	1800	
Sb	121	115	He	0.225	ug/l	6.2	900	
Ba	137	159	He	351.756	ug/l	1.4	18000	
Tl	205	159	He	-0.004	ug/l	N/A	900	
(Pb)	206	209	He	-0.010	ug/l	N/A		
(Pb)	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.019	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1146458.90	1.4	76.6	70	120	
Sc (ISICPMS)	45	No Gas	8893219.87	0.4	89.5	70	120	
Sc (ISICPMS)	45	H2	2748466.03	0.7	93.7	70	120	
Sc (ISICPMS)	45	He	114699.93	1.3	94.9	70	120	
Ge (IS)	74	H2	531142.02	0.4	85.7	70	120	
Ge (IS)	74	He	60697.34	0.1	87.3	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132002.51	0.9	91.1	70	120	
Tb (IS)	159	He	661628.65	0.3	92.0	70	120	
Bi (IS)	209	He	507237.64	0.6	87.2	70	120	

Sample Report

File Name 054SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:27:59

Sample Name **460-300430-D-2-B**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.023	ug/l	19.9	1800	
B	11	6	No Gas	114.953	ug/l	0.6	1800	
Na	23	45	He	147509.796	ug/l	1.1	450000	
Mg	24	45	He	6208.640	ug/l	0.2	450000	
Al	27	45	He	17.025	ug/l	32.5	450000	
K	39	45	He	26383.444	ug/l	1.1	450000	
Ca	40	45	H2	93143.132	ug/l	2.3	900000	
Ti	47	45	No Gas	1.256	ug/l	10.3	9000	
V	51	74	He	1.789	ug/l	2.0	4500	
Cr	52	74	He	-1.019	ug/l	N/A	18000	
Mn	55	74	He	25.628	ug/l	0.6	18000	
Fe	56	74	H2	25.304	ug/l	2.3	450000	
Co	59	74	He	0.121	ug/l	21.3	1800	
Ni	60	74	He	0.803	ug/l	8.0	18000	
Cu	63	74	He	0.600	ug/l	6.0	18000	
Zn	66	74	He	0.935	ug/l	41.7	18000	
As	75	74	He	0.863	ug/l	35.3	4500	
Se	78	74	H2	0.159	ug/l	14.6	2700	
Sr	88	115	He	1160.873	ug/l	0.9	4500	
Mo	95	115	He	8.800	ug/l	5.6	1800	
Ag	107	115	He	0.003	ug/l	0.8	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.437	ug/l	N/A	1800	
Sb	121	115	He	0.721	ug/l	7.9	900	
Ba	137	159	He	77.920	ug/l	1.3	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.058	ug/l	41.0		
(Pb)	207	209	He	0.046	ug/l	41.4		
Pb	208	209	He	0.045	ug/l	4.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1147033.31	0.7	76.7	70	120	
Sc (ISICPMS)	45	No Gas	9231334.58	1.9	92.9	70	120	
Sc (ISICPMS)	45	H2	2812174.02	0.6	95.9	70	120	
Sc (ISICPMS)	45	He	115595.74	1.0	95.6	70	120	
Ge (IS)	74	H2	559570.85	0.4	90.3	70	120	
Ge (IS)	74	He	62937.74	0.3	90.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137746.28	0.3	95.1	70	120	
Tb (IS)	159	He	694151.53	0.6	96.5	70	120	
Bi (IS)	209	He	548538.16	0.7	94.4	70	120	

Sample Report

File Name 055SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:30:23

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.014	ug/l	17.5	1800	
B	11	6	No Gas	-3.184	ug/l	N/A	1800	
Na	23	45	He	10.400	ug/l	41.0	450000	
Mg	24	45	He	1.697	ug/l	36.6	450000	
Al	27	45	He	-4.591	ug/l	N/A	450000	
K	39	45	He	-54.369	ug/l	N/A	450000	
Ca	40	45	H2	15.952	ug/l	3.6	900000	
Ti	47	45	No Gas	-0.514	ug/l	N/A	9000	
V	51	74	He	-0.551	ug/l	N/A	4500	
Cr	52	74	He	0.050	ug/l	344.6	18000	
Mn	55	74	He	0.045	ug/l	113.5	18000	
Fe	56	74	H2	-3.277	ug/l	N/A	450000	
Co	59	74	He	0.000	ug/l	N/A	1800	
Ni	60	74	He	-0.124	ug/l	N/A	18000	
Cu	63	74	He	0.052	ug/l	107.7	18000	
Zn	66	74	He	0.669	ug/l	119.4	18000	
As	75	74	He	-0.151	ug/l	N/A	4500	
Se	78	74	H2	-0.004	ug/l	N/A	2700	
Sr	88	115	He	0.222	ug/l	12.8	4500	
Mo	95	115	He	0.086	ug/l	41.2	1800	
Ag	107	115	He	0.003	ug/l	138.2	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.867	ug/l	N/A	1800	
Sb	121	115	He	-0.056	ug/l	N/A	900	
Ba	137	159	He	0.025	ug/l	267.4	18000	
Tl	205	159	He	0.012	ug/l	3.3	900	
(Pb)	206	209	He	0.023	ug/l	98.7		
(Pb)	207	209	He	0.005	ug/l	297.8		
Pb	208	209	He	0.025	ug/l	19.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1071135.39	1.9	71.6	70	120	
Sc (ISICPMS)	45	No Gas	8926031.19	2.3	89.9	70	120	
Sc (ISICPMS)	45	H2	2773802.60	0.5	94.5	70	120	
Sc (ISICPMS)	45	He	113353.37	1.6	93.7	70	120	
Ge (IS)	74	H2	546240.90	0.3	88.2	70	120	
Ge (IS)	74	He	60687.31	1.6	87.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138621.28	0.4	95.7	70	120	
Tb (IS)	159	He	693668.12	0.3	96.4	70	120	
Bi (IS)	209	He	560540.89	0.4	96.4	70	120	

Sample Report

File Name 056SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:32:45

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.021	ug/l	21.7	1800	
B	11	6	No Gas	-3.756	ug/l	N/A	1800	
Na	23	45	He	-8.982	ug/l	N/A	450000	
Mg	24	45	He	1.104	ug/l	20.7	450000	
Al	27	45	He	-3.126	ug/l	N/A	450000	
K	39	45	He	-47.487	ug/l	N/A	450000	
Ca	40	45	H2	4.404	ug/l	20.2	900000	
Ti	47	45	No Gas	-0.465	ug/l	N/A	9000	
V	51	74	He	-0.510	ug/l	N/A	4500	
Cr	52	74	He	-0.393	ug/l	N/A	18000	
Mn	55	74	He	0.060	ug/l	174.5	18000	
Fe	56	74	H2	-3.400	ug/l	N/A	450000	
Co	59	74	He	0.008	ug/l	118.1	1800	
Ni	60	74	He	-0.075	ug/l	N/A	18000	
Cu	63	74	He	0.101	ug/l	65.1	18000	
Zn	66	74	He	0.872	ug/l	31.4	18000	
As	75	74	He	-0.098	ug/l	N/A	4500	
Se	78	74	H2	-0.034	ug/l	N/A	2700	
Sr	88	115	He	0.101	ug/l	42.8	4500	
Mo	95	115	He	0.009	ug/l	268.3	1800	
Ag	107	115	He	0.004	ug/l	107.2	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-0.990	ug/l	N/A	1800	
Sb	121	115	He	-0.086	ug/l	N/A	900	
Ba	137	159	He	0.104	ug/l	92.3	18000	
Tl	205	159	He	0.016	ug/l	16.5	900	
(Pb)	206	209	He	0.020	ug/l	130.6		
(Pb)	207	209	He	0.034	ug/l	59.5		
Pb	208	209	He	0.030	ug/l	50.8	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1043654.35	1.3	69.8	70	120	fail
Sc (ISICPMS)	45	No Gas	9076265.77	1.5	91.4	70	120	
Sc (ISICPMS)	45	H2	2750613.01	0.9	93.8	70	120	
Sc (ISICPMS)	45	He	111407.82	1.0	92.1	70	120	
Ge (IS)	74	H2	546038.34	1.3	88.1	70	120	
Ge (IS)	74	He	60736.26	0.9	87.4	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137879.65	1.5	95.2	70	120	
Tb (IS)	159	He	685416.81	0.7	95.3	70	120	
Bi (IS)	209	He	558288.44	0.2	96.0	70	120	

Continuing Calibration Verification (CCV)

File Name 057_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:35:09

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	95.719	ug/l	1.1	100	90	110	
B	11	6	No Gas	252.711	ug/l	1.9	250	225	275	
Na	23	45	He	25249.572	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	24880.887	ug/l	0.9	25000	22500	27500	
Al	27	45	He	24576.961	ug/l	0.4	25000	22500	27500	
K	39	45	He	24729.522	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	24686.762	ug/l	3.4	25000	22500	27500	
Ti	47	45	No Gas	100.899	ug/l	2.7	100	90	110	
V	51	74	He	102.771	ug/l	1.5	100	90	110	
Cr	52	74	He	104.139	ug/l	1.3	100	90	110	
Mn	55	74	He	104.513	ug/l	1.5	100	90	110	
Fe	56	74	H2	25772.747	ug/l	2.7	25000	22500	27500	
Co	59	74	He	105.000	ug/l	1.8	100	90	110	
Ni	60	74	He	105.758	ug/l	1.1	100	90	110	
Cu	63	74	He	104.874	ug/l	0.9	100	90	110	
Zn	66	74	He	260.819	ug/l	0.1	250	225	275	
As	75	74	He	102.126	ug/l	1.7	100	90	110	
Se	78	74	H2	102.499	ug/l	3.5	100	90	110	
Sr	88	115	He	98.849	ug/l	1.9	100	90	110	
Mo	95	115	He	100.543	ug/l	0.8	100	90	110	
Ag	107	115	He	50.335	ug/l	1.1	50	45	55	
Cd	111	115	He	101.260	ug/l	2.2	100	90	110	
Sn	118	115	He	99.525	ug/l	0.8	100	90	110	
Sb	121	115	He	101.161	ug/l	1.4	100	90	110	
Ba	137	159	He	100.883	ug/l	2.2	100	90	110	
Tl	205	159	He	101.551	ug/l	0.9	100	90	110	
(Pb)	206	209	He	100.497	ug/l	1.1				
(Pb)	207	209	He	99.528	ug/l	1.4				
Pb	208	209	He	100.205	ug/l	1.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1093688.73	2.1	73.1	70	120	
Sc (ISICPMS)	45	No Gas	8823612.93	0.8	88.8	70	120	
Sc (ISICPMS)	45	H2	2700984.09	0.3	92.1	70	120	
Sc (ISICPMS)	45	He	109941.77	0.5	90.9	70	120	
Ge (IS)	74	H2	531843.29	0.6	85.8	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	59480.08	0.8	85.6	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	133560.28	0.5	92.2	70	120	
Tb (IS)	159	He	675075.19	0.6	93.8	70	120	
Bi (IS)	209	He	537281.06	1.1	92.4	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 058_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:37:30

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.030	ug/l	20.5	0.8	-0.8	0.8	
B	11	6	No Gas	-3.841	ug/l	N/A	80	-80	80	
Na	23	45	He	-9.837	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.891	ug/l	36.0	200	-200	200	
Al	27	45	He	-0.565	ug/l	N/A	40	-40	40	
K	39	45	He	-57.988	ug/l	N/A	200	-200	200	
Ca	40	45	H2	0.853	ug/l	18.4	500	-500	500	
Ti	47	45	No Gas	-0.171	ug/l	N/A	4	-4	4	
V	51	74	He	-0.604	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.071	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.057	ug/l	165.9	8	-8	8	
Fe	56	74	H2	1.126	ug/l	73.0	120	-120	120	
Co	59	74	He	0.005	ug/l	114.8	4	-4	4	
Ni	60	74	He	-0.059	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.058	ug/l	9.5	4	-4	4	
Zn	66	74	He	0.710	ug/l	42.2	16	-16	16	
As	75	74	He	0.093	ug/l	196.2	2	-2	2	
Se	78	74	H2	0.083	ug/l	41.5	2.5	-2.5	2.5	
Sr	88	115	He	0.006	ug/l	384.5	4	-4	4	
Mo	95	115	He	0.079	ug/l	45.3	4	-4	4	
Ag	107	115	He	0.003	ug/l	264.3	2	-2	2	
Cd	111	115	He	0.007	ug/l	379.6	2	-2	2	
Sn	118	115	He	-0.685	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.053	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.042	ug/l	201.8	4	-4	4	
Tl	205	159	He	0.034	ug/l	15.5	0.8	-0.8	0.8	
(Pb)	206	209	He	0.038	ug/l	42.4				
(Pb)	207	209	He	0.016	ug/l	131.2				
Pb	208	209	He	0.025	ug/l	18.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	1047052.90	0.9	70.0	70	120	fail
Sc (ISICPMS)	45	No Gas	8908306.54	1.9	89.7	70	120	
Sc (ISICPMS)	45	H2	2734878.09	0.4	93.2	70	120	
Sc (ISICPMS)	45	He	110335.52	0.9	91.2	70	120	
Ge (IS)	74	H2	538563.42	1.0	86.9	70	120	
Ge (IS)	74	He	60465.30	1.7	87.0	70	120	
Kr	83	He	3.34	173.2				
In-1	115	He	134915.92	0.0	93.2	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	676896.18	0.5	94.1	70	120	
Bi (IS)	209	He	554844.03	0.6	95.4	70	120	

Sample Report

File Name 059SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:39:53

Sample Name **460-300430-D-3-B**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	22.9	1800	
B	11	6	No Gas	200.256	ug/l	1.6	1800	
Na	23	45	He	402180.700	ug/l	0.7	450000	
Mg	24	45	He	7014.827	ug/l	0.4	450000	
Al	27	45	He	-4.985	ug/l	N/A	450000	
K	39	45	He	24356.082	ug/l	1.3	450000	
Ca	40	45	H2	112670.769	ug/l	3.0	900000	
Ti	47	45	No Gas	0.874	ug/l	7.7	9000	
V	51	74	He	-0.635	ug/l	N/A	4500	
Cr	52	74	He	-1.133	ug/l	N/A	18000	
Mn	55	74	He	84.328	ug/l	0.9	18000	
Fe	56	74	H2	-3.184	ug/l	N/A	450000	
Co	59	74	He	1.190	ug/l	3.8	1800	
Ni	60	74	He	0.600	ug/l	13.5	18000	
Cu	63	74	He	0.210	ug/l	33.8	18000	
Zn	66	74	He	1.125	ug/l	49.0	18000	
As	75	74	He	12.975	ug/l	4.7	4500	
Se	78	74	H2	0.083	ug/l	88.5	2700	
Sr	88	115	He	1145.073	ug/l	1.1	4500	
Mo	95	115	He	1.328	ug/l	9.6	1800	
Ag	107	115	He	0.002	ug/l	202.6	900	
Cd	111	115	He	0.019	ug/l	156.9	4500	
Sn	118	115	He	-1.172	ug/l	N/A	1800	
Sb	121	115	He	0.255	ug/l	7.3	900	
Ba	137	159	He	7.500	ug/l	3.9	18000	
Tl	205	159	He	0.007	ug/l	13.4	900	
(Pb)	206	209	He	0.004	ug/l	127.0		
(Pb)	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.013	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1118315.03	0.6	74.8	70	120	
Sc (ISICPMS)	45	No Gas	8978042.51	1.1	90.4	70	120	
Sc (ISICPMS)	45	H2	2736416.25	0.1	93.3	70	120	
Sc (ISICPMS)	45	He	111847.73	1.9	92.5	70	120	
Ge (IS)	74	H2	538165.29	1.2	86.8	70	120	
Ge (IS)	74	He	59974.42	1.5	86.3	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131758.15	1.8	91.0	70	120	
Tb (IS)	159	He	662205.61	1.1	92.0	70	120	
Bi (IS)	209	He	516374.90	1.7	88.8	70	120	

Sample Report

File Name 060SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:42:15

Sample Name **460-300428-H-5-B**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	28.2	1800	
B	11	6	No Gas	24.566	ug/l	0.7	1800	
Na	23	45	He	10261.903	ug/l	1.3	450000	
Mg	24	45	He	20325.324	ug/l	1.4	450000	
Al	27	45	He	-3.809	ug/l	N/A	450000	
K	39	45	He	1946.655	ug/l	0.3	450000	
Ca	40	45	H2	49606.279	ug/l	2.5	900000	
Ti	47	45	No Gas	1.445	ug/l	8.0	9000	
V	51	74	He	-0.287	ug/l	N/A	4500	
Cr	52	74	He	-1.153	ug/l	N/A	18000	
Mn	55	74	He	301.696	ug/l	1.2	18000	
Fe	56	74	H2	-5.377	ug/l	N/A	450000	
Co	59	74	He	0.168	ug/l	13.8	1800	
Ni	60	74	He	2.546	ug/l	15.6	18000	
Cu	63	74	He	0.172	ug/l	33.9	18000	
Zn	66	74	He	1.359	ug/l	32.8	18000	
As	75	74	He	0.594	ug/l	24.1	4500	
Se	78	74	H2	-0.057	ug/l	N/A	2700	
Sr	88	115	He	313.690	ug/l	1.2	4500	
Mo	95	115	He	1.415	ug/l	12.3	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.191	ug/l	N/A	1800	
Sb	121	115	He	0.191	ug/l	8.9	900	
Ba	137	159	He	420.280	ug/l	1.3	18000	
Tl	205	159	He	0.055	ug/l	12.1	900	
(Pb)	206	209	He	-0.020	ug/l	N/A		
(Pb)	207	209	He	-0.024	ug/l	N/A		
Pb	208	209	He	-0.022	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1080763.84	0.6	72.2	70	120	
Sc (ISICPMS)	45	No Gas	8927717.30	0.4	89.9	70	120	
Sc (ISICPMS)	45	H2	2736461.42	0.9	93.3	70	120	
Sc (ISICPMS)	45	He	111081.42	1.8	91.9	70	120	
Ge (IS)	74	H2	548608.38	0.7	88.5	70	120	
Ge (IS)	74	He	60879.32	1.3	87.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136248.40	1.9	94.1	70	120	
Tb (IS)	159	He	682848.68	0.5	94.9	70	120	
Bi (IS)	209	He	546752.85	1.2	94.0	70	120	

Sample Report

File Name 061SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:44:38

Sample Name **460-300428-G-6-B**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.025	ug/l	41.5	1800	
B	11	6	No Gas	22.152	ug/l	5.8	1800	
Na	23	45	He	70186.530	ug/l	1.2	450000	
Mg	24	45	He	74633.216	ug/l	0.6	450000	
Al	27	45	He	-4.250	ug/l	N/A	450000	
K	39	45	He	3417.966	ug/l	0.6	450000	
Ca	40	45	H2	316867.161	ug/l	1.8	900000	
Ti	47	45	No Gas	2.152	ug/l	2.9	9000	
V	51	74	He	-0.807	ug/l	N/A	4500	
Cr	52	74	He	-1.269	ug/l	N/A	18000	
Mn	55	74	He	1833.737	ug/l	1.3	18000	
Fe	56	74	H2	4679.788	ug/l	2.1	450000	
Co	59	74	He	1.173	ug/l	3.6	1800	
Ni	60	74	He	4.051	ug/l	1.5	18000	
Cu	63	74	He	-0.036	ug/l	N/A	18000	
Zn	66	74	He	13.257	ug/l	4.5	18000	
As	75	74	He	-0.127	ug/l	N/A	4500	
Se	78	74	H2	0.058	ug/l	89.1	2700	
Sr	88	115	He	962.775	ug/l	0.2	4500	
Mo	95	115	He	0.222	ug/l	20.2	1800	
Ag	107	115	He	0.000	ug/l	383.7	900	
Cd	111	115	He	0.537	ug/l	6.6	4500	
Sn	118	115	He	-1.334	ug/l	N/A	1800	
Sb	121	115	He	0.202	ug/l	54.3	900	
Ba	137	159	He	407.367	ug/l	0.9	18000	
Tl	205	159	He	0.001	ug/l	1090.5	900	
(Pb)	206	209	He	-0.032	ug/l	N/A		
(Pb)	207	209	He	-0.013	ug/l	N/A		
Pb	208	209	He	-0.022	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1091404.72	0.6	73.0	70	120	
Sc (ISICPMS)	45	No Gas	9110144.73	1.7	91.7	70	120	
Sc (ISICPMS)	45	H2	2779616.07	1.6	94.7	70	120	
Sc (ISICPMS)	45	He	112601.00	1.0	93.1	70	120	
Ge (IS)	74	H2	546030.60	1.1	88.1	70	120	
Ge (IS)	74	He	61496.14	0.5	88.5	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136558.31	0.0	94.3	70	120	
Tb (IS)	159	He	685974.32	1.1	95.4	70	120	
Bi (IS)	209	He	536734.45	0.5	92.3	70	120	

Sample Report

File Name 062SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:46:58

Sample Name **460-300428-H-7-B**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.168	ug/l	8.0	1800	
B	11	6	No Gas	105.653	ug/l	1.0	1800	
Na	23	45	He	76622.709	ug/l	1.6	450000	
Mg	24	45	He	18836.764	ug/l	1.2	450000	
Al	27	45	He	-0.379	ug/l	N/A	450000	
K	39	45	He	2277.985	ug/l	1.4	450000	
Ca	40	45	H2	78485.824	ug/l	2.4	900000	
Ti	47	45	No Gas	2.460	ug/l	9.9	9000	
V	51	74	He	-0.829	ug/l	N/A	4500	
Cr	52	74	He	-0.960	ug/l	N/A	18000	
Mn	55	74	He	1576.633	ug/l	1.2	18000	
Fe	56	74	H2	626.423	ug/l	2.2	450000	
Co	59	74	He	30.415	ug/l	0.3	1800	
Ni	60	74	He	35.349	ug/l	2.6	18000	
Cu	63	74	He	0.155	ug/l	27.4	18000	
Zn	66	74	He	34.534	ug/l	3.3	18000	
As	75	74	He	0.500	ug/l	27.0	4500	
Se	78	74	H2	0.085	ug/l	85.0	2700	
Sr	88	115	He	214.217	ug/l	0.4	4500	
Mo	95	115	He	0.289	ug/l	17.9	1800	
Ag	107	115	He	0.001	ug/l	269.5	900	
Cd	111	115	He	0.130	ug/l	33.2	4500	
Sn	118	115	He	-1.182	ug/l	N/A	1800	
Sb	121	115	He	0.187	ug/l	36.9	900	
Ba	137	159	He	120.227	ug/l	1.0	18000	
Tl	205	159	He	0.009	ug/l	38.0	900	
(Pb)	206	209	He	1.972	ug/l	2.2		
(Pb)	207	209	He	2.005	ug/l	3.4		
Pb	208	209	He	1.985	ug/l	1.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1147089.63	2.1	76.7	70	120	
Sc (ISICPMS)	45	No Gas	9162509.59	3.6	92.3	70	120	
Sc (ISICPMS)	45	H2	2800045.48	1.2	95.4	70	120	
Sc (ISICPMS)	45	He	114030.60	1.3	94.3	70	120	
Ge (IS)	74	H2	558097.91	0.4	90.1	70	120	
Ge (IS)	74	He	61819.82	1.7	89.0	70	120	
Kr	83	He	10.01	100.0				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138694.60	0.9	95.8	70	120	
Tb (IS)	159	He	693423.55	0.9	96.4	70	120	
Bi (IS)	209	He	548183.43	1.0	94.3	70	120	

Sample Report

File Name 063SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:49:21

Sample Name **460-300428-H-12-B**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	37.8	1800	
B	11	6	No Gas	-5.502	ug/l	N/A	1800	
Na	23	45	He	-48.265	ug/l	N/A	450000	
Mg	24	45	He	3.506	ug/l	15.4	450000	
Al	27	45	He	-4.129	ug/l	N/A	450000	
K	39	45	He	-75.270	ug/l	N/A	450000	
Ca	40	45	H2	12.239	ug/l	7.3	900000	
Ti	47	45	No Gas	-0.783	ug/l	N/A	9000	
V	51	74	He	-0.797	ug/l	N/A	4500	
Cr	52	74	He	-1.176	ug/l	N/A	18000	
Mn	55	74	He	0.173	ug/l	41.4	18000	
Fe	56	74	H2	-6.635	ug/l	N/A	450000	
Co	59	74	He	-0.002	ug/l	N/A	1800	
Ni	60	74	He	-0.338	ug/l	N/A	18000	
Cu	63	74	He	0.258	ug/l	27.1	18000	
Zn	66	74	He	2.189	ug/l	14.3	18000	
As	75	74	He	-0.169	ug/l	N/A	4500	
Se	78	74	H2	-0.005	ug/l	N/A	2700	
Sr	88	115	He	0.049	ug/l	19.6	4500	
Mo	95	115	He	-0.039	ug/l	N/A	1800	
Ag	107	115	He	0.004	ug/l	168.3	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-1.271	ug/l	N/A	1800	
Sb	121	115	He	0.027	ug/l	111.7	900	
Ba	137	159	He	0.046	ug/l	141.1	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.009	ug/l	203.9		
(Pb)	207	209	He	0.007	ug/l	58.0		
Pb	208	209	He	-0.001	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1083008.22	1.5	72.4	70	120	
Sc (ISICPMS)	45	No Gas	9045473.89	2.5	91.1	70	120	
Sc (ISICPMS)	45	H2	2813295.72	1.3	95.9	70	120	
Sc (ISICPMS)	45	He	114722.15	1.0	94.9	70	120	
Ge (IS)	74	H2	555691.76	0.4	89.7	70	120	
Ge (IS)	74	He	61894.45	0.9	89.1	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141420.54	1.3	97.6	70	120	
Tb (IS)	159	He	696076.59	1.1	96.8	70	120	
Bi (IS)	209	He	568455.70	1.7	97.8	70	120	

Sample Report

File Name 064SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:51:44

Sample Name **MB 460-966021/1-A**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	58.4	1800	
B	11	6	No Gas	-5.941	ug/l	N/A	1800	
Na	23	45	He	-50.666	ug/l	N/A	450000	
Mg	24	45	He	1.533	ug/l	14.9	450000	
Al	27	45	He	-3.442	ug/l	N/A	450000	
K	39	45	He	-64.497	ug/l	N/A	450000	
Ca	40	45	H2	7.221	ug/l	20.5	900000	
Ti	47	45	No Gas	-0.772	ug/l	N/A	9000	
V	51	74	He	-0.793	ug/l	N/A	4500	
Cr	52	74	He	-0.113	ug/l	N/A	18000	
Mn	55	74	He	0.063	ug/l	66.4	18000	
Fe	56	74	H2	0.872	ug/l	11.9	450000	
Co	59	74	He	-0.008	ug/l	N/A	1800	
Ni	60	74	He	0.005	ug/l	1061.2	18000	
Cu	63	74	He	0.113	ug/l	44.2	18000	
Zn	66	74	He	3.132	ug/l	7.8	18000	
As	75	74	He	-0.209	ug/l	N/A	4500	
Se	78	74	H2	-0.027	ug/l	N/A	2700	
Sr	88	115	He	0.000	ug/l	159974.9	4500	
Mo	95	115	He	-0.019	ug/l	N/A	1800	
Ag	107	115	He	0.000	ug/l	2373.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.854	ug/l	N/A	1800	
Sb	121	115	He	-0.111	ug/l	N/A	900	
Ba	137	159	He	0.003	ug/l	1256.6	18000	
Tl	205	159	He	-0.001	ug/l	N/A	900	
(Pb)	206	209	He	-0.012	ug/l	N/A		
(Pb)	207	209	He	-0.037	ug/l	N/A		
Pb	208	209	He	-0.017	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1135505.24	0.8	75.9	70	120	
Sc (ISICPMS)	45	No Gas	9270054.17	0.6	93.3	70	120	
Sc (ISICPMS)	45	H2	2819874.68	1.8	96.1	70	120	
Sc (ISICPMS)	45	He	114680.16	0.8	94.8	70	120	
Ge (IS)	74	H2	554247.36	0.5	89.4	70	120	
Ge (IS)	74	He	61894.54	1.1	89.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	141241.19	1.6	97.5	70	120	
Tb (IS)	159	He	699224.23	1.5	97.2	70	120	
Bi (IS)	209	He	568114.13	1.6	97.7	70	120	

Sample Report

File Name 065SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:54:07

Sample Name **LCS 460-966021/2-A**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	20.574	ug/l	1.0	1800	
B	11	6	No Gas	517.661	ug/l	1.6	1800	
Na	23	45	He	2437.388	ug/l	2.2	450000	
Mg	24	45	He	2382.668	ug/l	0.8	450000	
Al	27	45	He	2331.608	ug/l	2.9	450000	
K	39	45	He	2309.186	ug/l	0.7	450000	
Ca	40	45	H2	2422.747	ug/l	2.3	900000	
Ti	47	45	No Gas	47.594	ug/l	2.1	9000	
V	51	74	He	48.961	ug/l	2.6	4500	
Cr	52	74	He	50.104	ug/l	0.8	18000	
Mn	55	74	He	243.197	ug/l	1.5	18000	
Fe	56	74	H2	2459.336	ug/l	2.0	450000	
Co	59	74	He	25.586	ug/l	2.1	1800	
Ni	60	74	He	51.972	ug/l	0.5	18000	
Cu	63	74	He	51.207	ug/l	2.0	18000	
Zn	66	74	He	247.916	ug/l	1.0	18000	
As	75	74	He	48.747	ug/l	1.7	4500	
Se	78	74	H2	48.867	ug/l	1.7	2700	
Sr	88	115	He	46.651	ug/l	2.2	4500	
Mo	95	115	He	45.801	ug/l	0.5	1800	
Ag	107	115	He	23.712	ug/l	0.7	900	
Cd	111	115	He	23.726	ug/l	1.4	4500	
Sn	118	115	He	47.217	ug/l	0.5	1800	
Sb	121	115	He	22.665	ug/l	1.4	900	
Ba	137	159	He	48.726	ug/l	0.5	18000	
Tl	205	159	He	19.373	ug/l	0.2	900	
(Pb)	206	209	He	24.189	ug/l	0.3		
(Pb)	207	209	He	23.656	ug/l	0.6		
Pb	208	209	He	23.991	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1005074.25	0.7	67.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8923046.40	1.8	89.8	70	120	
Sc (ISICPMS)	45	H2	2750281.38	1.3	93.7	70	120	
Sc (ISICPMS)	45	He	110449.41	1.2	91.3	70	120	
Ge (IS)	74	H2	542115.30	1.4	87.5	70	120	
Ge (IS)	74	He	59858.34	0.7	86.1	70	120	
Kr	83	He	6.67	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137179.24	1.1	94.7	70	120	
Tb (IS)	159	He	685677.73	1.0	95.3	70	120	
Bi (IS)	209	He	554065.04	1.2	95.3	70	120	

Sample Report

File Name 066SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:56:28

Sample Name **460-300343-I-9-A DU**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.068	ug/l	25.7	1800	
B	11	6	No Gas	75.058	ug/l	0.6	1800	
Na	23	45	He	64812.753	ug/l	2.0	450000	
Mg	24	45	He	19767.492	ug/l	1.3	450000	
Al	27	45	He	254.190	ug/l	0.8	450000	
K	39	45	He	3586.176	ug/l	0.9	450000	
Ca	40	45	H2	142468.404	ug/l	1.5	900000	
Ti	47	45	No Gas	3.937	ug/l	5.8	9000	
V	51	74	He	0.961	ug/l	19.8	4500	
Cr	52	74	He	-0.441	ug/l	N/A	18000	
Mn	55	74	He	539.613	ug/l	1.5	18000	
Fe	56	74	H2	383.024	ug/l	2.4	450000	
Co	59	74	He	1.301	ug/l	3.6	1800	
Ni	60	74	He	1.977	ug/l	10.9	18000	
Cu	63	74	He	4.039	ug/l	4.4	18000	
Zn	66	74	He	13.927	ug/l	3.3	18000	
As	75	74	He	1.130	ug/l	7.9	4500	
Se	78	74	H2	2.148	ug/l	8.8	2700	
Sr	88	115	He	310.252	ug/l	0.8	4500	
Mo	95	115	He	2.219	ug/l	1.2	1800	
Ag	107	115	He	0.003	ug/l	88.1	900	
Cd	111	115	He	0.034	ug/l	84.1	4500	
Sn	118	115	He	-1.096	ug/l	N/A	1800	
Sb	121	115	He	0.034	ug/l	101.9	900	
Ba	137	159	He	244.732	ug/l	3.2	18000	
Tl	205	159	He	0.010	ug/l	34.8	900	
(Pb)	206	209	He	0.861	ug/l	7.2		
(Pb)	207	209	He	0.895	ug/l	4.3		
Pb	208	209	He	0.888	ug/l	3.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1053824.61	2.1	70.4	70	120	
Sc (ISICPMS)	45	No Gas	8973595.98	1.3	90.4	70	120	
Sc (ISICPMS)	45	H2	2759415.58	1.0	94.1	70	120	
Sc (ISICPMS)	45	He	112701.96	0.9	93.2	70	120	
Ge (IS)	74	H2	554064.47	1.2	89.4	70	120	
Ge (IS)	74	He	62764.77	1.5	90.3	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138233.18	1.2	95.4	70	120	
Tb (IS)	159	He	695488.73	1.6	96.7	70	120	
Bi (IS)	209	He	548456.35	0.5	94.3	70	120	

Sample Report

File Name 067SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 17:58:52

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	48.2	1800	
B	11	6	No Gas	-4.214	ug/l	N/A	1800	
Na	23	45	He	-37.329	ug/l	N/A	450000	
Mg	24	45	He	0.757	ug/l	39.1	450000	
Al	27	45	He	-3.983	ug/l	N/A	450000	
K	39	45	He	-58.015	ug/l	N/A	450000	
Ca	40	45	H2	3.494	ug/l	21.5	900000	
Ti	47	45	No Gas	-0.391	ug/l	N/A	9000	
V	51	74	He	-0.735	ug/l	N/A	4500	
Cr	52	74	He	-0.361	ug/l	N/A	18000	
Mn	55	74	He	0.063	ug/l	53.5	18000	
Fe	56	74	H2	-3.427	ug/l	N/A	450000	
Co	59	74	He	0.006	ug/l	40.9	1800	
Ni	60	74	He	-0.036	ug/l	N/A	18000	
Cu	63	74	He	0.011	ug/l	305.0	18000	
Zn	66	74	He	1.020	ug/l	20.9	18000	
As	75	74	He	-0.122	ug/l	N/A	4500	
Se	78	74	H2	0.029	ug/l	215.0	2700	
Sr	88	115	He	0.015	ug/l	247.3	4500	
Mo	95	115	He	0.006	ug/l	977.4	1800	
Ag	107	115	He	0.006	ug/l	37.6	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-0.887	ug/l	N/A	1800	
Sb	121	115	He	-0.059	ug/l	N/A	900	
Ba	137	159	He	0.027	ug/l	124.1	18000	
Tl	205	159	He	0.012	ug/l	32.3	900	
(Pb)	206	209	He	0.041	ug/l	56.4		
(Pb)	207	209	He	0.038	ug/l	76.4		
Pb	208	209	He	0.038	ug/l	18.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	981572.44	0.7	65.6	70	120	fail
Sc (ISICPMS)	45	No Gas	9007189.31	1.2	90.7	70	120	
Sc (ISICPMS)	45	H2	2718293.19	1.2	92.7	70	120	
Sc (ISICPMS)	45	He	109601.85	2.0	90.6	70	120	
Ge (IS)	74	H2	539177.23	0.8	87.0	70	120	
Ge (IS)	74	He	60036.93	1.8	86.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136689.53	1.0	94.4	70	120	
Tb (IS)	159	He	683543.57	1.7	95.0	70	120	
Bi (IS)	209	He	552247.66	1.4	95.0	70	120	

Sample Report

File Name 068SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:01:15

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.011	ug/l	89.5	1800	
B	11	6	No Gas	-4.715	ug/l	N/A	1800	
Na	23	45	He	-37.888	ug/l	N/A	450000	
Mg	24	45	He	1.796	ug/l	27.4	450000	
Al	27	45	He	-3.154	ug/l	N/A	450000	
K	39	45	He	-49.486	ug/l	N/A	450000	
Ca	40	45	H2	3.884	ug/l	34.6	900000	
Ti	47	45	No Gas	-0.531	ug/l	N/A	9000	
V	51	74	He	-0.676	ug/l	N/A	4500	
Cr	52	74	He	-0.339	ug/l	N/A	18000	
Mn	55	74	He	0.153	ug/l	53.4	18000	
Fe	56	74	H2	-2.873	ug/l	N/A	450000	
Co	59	74	He	0.003	ug/l	153.1	1800	
Ni	60	74	He	-0.025	ug/l	N/A	18000	
Cu	63	74	He	-0.003	ug/l	N/A	18000	
Zn	66	74	He	0.889	ug/l	37.6	18000	
As	75	74	He	-0.205	ug/l	N/A	4500	
Se	78	74	H2	0.008	ug/l	562.0	2700	
Sr	88	115	He	0.044	ug/l	23.4	4500	
Mo	95	115	He	-0.011	ug/l	N/A	1800	
Ag	107	115	He	0.009	ug/l	11.2	900	
Cd	111	115	He	-0.016	ug/l	N/A	4500	
Sn	118	115	He	-0.915	ug/l	N/A	1800	
Sb	121	115	He	-0.085	ug/l	N/A	900	
Ba	137	159	He	-0.014	ug/l	N/A	18000	
Tl	205	159	He	0.013	ug/l	26.3	900	
(Pb)	206	209	He	0.009	ug/l	299.1		
(Pb)	207	209	He	0.027	ug/l	34.6		
Pb	208	209	He	0.022	ug/l	59.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	946232.60	2.4	63.3	70	120	fail
Sc (ISICPMS)	45	No Gas	8858695.01	1.3	89.2	70	120	
Sc (ISICPMS)	45	H2	2646056.87	1.3	90.2	70	120	
Sc (ISICPMS)	45	He	110560.58	0.8	91.4	70	120	
Ge (IS)	74	H2	528612.37	1.4	85.3	70	120	
Ge (IS)	74	He	60211.07	1.8	86.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136778.16	0.6	94.4	70	120	
Tb (IS)	159	He	677478.72	0.8	94.2	70	120	
Bi (IS)	209	He	550270.88	0.8	94.7	70	120	

Continuing Calibration Verification (CCV)

File Name 069_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:03:38

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	94.256	ug/l	3.6	100	90	110	
B	11	6	No Gas	269.033	ug/l	3.3	250	225	275	
Na	23	45	He	25649.576	ug/l	1.0	25000	22500	27500	
Mg	24	45	He	25125.495	ug/l	1.1	25000	22500	27500	
Al	27	45	He	24787.460	ug/l	0.6	25000	22500	27500	
K	39	45	He	25189.878	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	25144.545	ug/l	0.5	25000	22500	27500	
Ti	47	45	No Gas	101.694	ug/l	2.8	100	90	110	
V	51	74	He	103.149	ug/l	2.6	100	90	110	
Cr	52	74	He	102.947	ug/l	0.7	100	90	110	
Mn	55	74	He	103.853	ug/l	3.4	100	90	110	
Fe	56	74	H2	25980.411	ug/l	1.9	25000	22500	27500	
Co	59	74	He	105.308	ug/l	1.9	100	90	110	
Ni	60	74	He	105.941	ug/l	2.3	100	90	110	
Cu	63	74	He	105.706	ug/l	1.4	100	90	110	
Zn	66	74	He	264.445	ug/l	1.9	250	225	275	
As	75	74	He	103.493	ug/l	1.6	100	90	110	
Se	78	74	H2	105.253	ug/l	2.0	100	90	110	
Sr	88	115	He	99.315	ug/l	0.7	100	90	110	
Mo	95	115	He	99.987	ug/l	0.6	100	90	110	
Ag	107	115	He	51.095	ug/l	0.3	50	45	55	
Cd	111	115	He	100.334	ug/l	2.0	100	90	110	
Sn	118	115	He	98.415	ug/l	1.1	100	90	110	
Sb	121	115	He	101.241	ug/l	1.8	100	90	110	
Ba	137	159	He	99.816	ug/l	2.7	100	90	110	
Tl	205	159	He	102.703	ug/l	1.0	100	90	110	
(Pb)	206	209	He	100.376	ug/l	0.9				
(Pb)	207	209	He	101.589	ug/l	0.2				
Pb	208	209	He	100.857	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	966854.37	2.8	64.6	70	120	fail
Sc (ISICPMS)	45	No Gas	8497634.04	1.6	85.6	70	120	
Sc (ISICPMS)	45	H2	2624567.24	0.8	89.5	70	120	
Sc (ISICPMS)	45	He	105454.81	0.9	87.2	70	120	
Ge (IS)	74	H2	522482.69	1.2	84.3	70	120	

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58486.18	1.7	84.2	70	120	
Kr	83	He	13.35	86.6				
In-1	115	He	131168.02	0.7	90.6	70	120	
Tb (IS)	159	He	663050.86	1.2	92.2	70	120	
Bi (IS)	209	He	526343.23	0.8	90.5	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 070_CCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:05:59

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	45	No Gas	0.026	ug/l	37.8	0.8	-0.8	0.8	
B	11	6	No Gas	-4.599	ug/l	N/A	80	-80	80	
Na	23	45	He	-23.855	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.710	ug/l	69.2	200	-200	200	
Al	27	45	He	-2.952	ug/l	N/A	40	-40	40	
K	39	45	He	-59.465	ug/l	N/A	200	-200	200	
Ca	40	45	H2	1.096	ug/l	24.4	500	-500	500	
Ti	47	45	No Gas	-0.394	ug/l	N/A	4	-4	4	
V	51	74	He	-0.758	ug/l	N/A	4	-4	4	
Cr	52	74	He	-0.022	ug/l	N/A	4	-4	4	
Mn	55	74	He	0.060	ug/l	57.2	8	-8	8	
Fe	56	74	H2	0.419	ug/l	65.3	120	-120	120	
Co	59	74	He	0.017	ug/l	54.1	4	-4	4	
Ni	60	74	He	-0.003	ug/l	N/A	4	-4	4	
Cu	63	74	He	0.012	ug/l	387.4	4	-4	4	
Zn	66	74	He	0.278	ug/l	22.0	16	-16	16	
As	75	74	He	-0.078	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.103	ug/l	68.0	2.5	-2.5	2.5	
Sr	88	115	He	0.011	ug/l	297.5	4	-4	4	
Mo	95	115	He	0.031	ug/l	27.1	4	-4	4	
Ag	107	115	He	0.005	ug/l	41.4	2	-2	2	
Cd	111	115	He	-0.010	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.764	ug/l	N/A	16	-16	16	
Sb	121	115	He	-0.071	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.010	ug/l	697.6	4	-4	4	
Tl	205	159	He	0.047	ug/l	9.7	0.8	-0.8	0.8	
(Pb)	206	209	He	0.020	ug/l	63.7				
(Pb)	207	209	He	0.019	ug/l	72.5				
Pb	208	209	He	0.020	ug/l	58.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	959895.12	0.5	64.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8760825.42	1.4	88.2	70	120	
Sc (ISICPMS)	45	H2	2634330.00	0.6	89.8	70	120	
Sc (ISICPMS)	45	He	107380.43	1.1	88.8	70	120	
Ge (IS)	74	H2	526407.21	1.1	84.9	70	120	
Ge (IS)	74	He	59439.01	1.1	85.5	70	120	
Kr	83	He	0.00	N/A				
In-1	115	He	133419.66	0.8	92.1	70	120	

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	663491.48	0.8	92.2	70	120	
Bi (IS)	209	He	539981.39	0.9	92.9	70	120	

Sample Report

File Name 071SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:08:23

Sample Name **460-300343-I-9-B**

Comment ---

Dilution **1.0000**

Vial # 2312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.076	ug/l	26.0	1800	
B	11	6	No Gas	74.255	ug/l	2.8	1800	
Na	23	45	He	63773.819	ug/l	1.4	450000	
Mg	24	45	He	19696.637	ug/l	1.7	450000	
Al	27	45	He	238.855	ug/l	1.7	450000	
K	39	45	He	3561.299	ug/l	1.1	450000	
Ca	40	45	H2	144355.644	ug/l	2.0	900000	
Ti	47	45	No Gas	3.761	ug/l	3.2	9000	
V	51	74	He	0.953	ug/l	5.9	4500	
Cr	52	74	He	-0.232	ug/l	N/A	18000	
Mn	55	74	He	545.843	ug/l	0.5	18000	
Fe	56	74	H2	389.124	ug/l	1.9	450000	
Co	59	74	He	1.318	ug/l	3.0	1800	
Ni	60	74	He	2.182	ug/l	6.7	18000	
Cu	63	74	He	4.169	ug/l	4.9	18000	
Zn	66	74	He	10.887	ug/l	7.0	18000	
As	75	74	He	0.910	ug/l	36.3	4500	
Se	78	74	H2	1.897	ug/l	11.2	2700	
Sr	88	115	He	306.853	ug/l	1.9	4500	
Mo	95	115	He	2.023	ug/l	8.8	1800	
Ag	107	115	He	0.004	ug/l	27.1	900	
Cd	111	115	He	0.031	ug/l	32.1	4500	
Sn	118	115	He	-1.117	ug/l	N/A	1800	
Sb	121	115	He	0.022	ug/l	61.2	900	
Ba	137	159	He	246.656	ug/l	0.5	18000	
Tl	205	159	He	0.011	ug/l	39.5	900	
(Pb)	206	209	He	0.883	ug/l	2.3		
(Pb)	207	209	He	0.899	ug/l	9.5		
Pb	208	209	He	0.878	ug/l	6.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	967871.21	1.9	64.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8729842.92	2.3	87.9	70	120	
Sc (ISICPMS)	45	H2	2655738.88	0.4	90.5	70	120	
Sc (ISICPMS)	45	He	106735.77	1.0	88.3	70	120	
Ge (IS)	74	H2	527584.59	0.5	85.1	70	120	
Ge (IS)	74	He	58653.62	0.8	84.4	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131562.22	1.4	90.8	70	120	
Tb (IS)	159	He	662590.63	1.3	92.1	70	120	
Bi (IS)	209	He	523289.57	1.3	90.0	70	120	

Sample Report

File Name 072SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:10:44

Sample Name **sd 460-300343-I-9-B@5**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.031	ug/l	45.7	1800	
B	11	6	No Gas	11.184	ug/l	8.7	1800	
Na	23	45	He	12891.691	ug/l	2.8	450000	
Mg	24	45	He	3805.244	ug/l	1.8	450000	
Al	27	45	He	47.464	ug/l	2.5	450000	
K	39	45	He	662.970	ug/l	2.2	450000	
Ca	40	45	H2	28117.793	ug/l	2.5	900000	
Ti	47	45	No Gas	0.421	ug/l	28.5	9000	
V	51	74	He	-0.447	ug/l	N/A	4500	
Cr	52	74	He	0.332	ug/l	82.5	18000	
Mn	55	74	He	104.800	ug/l	1.6	18000	
Fe	56	74	H2	78.814	ug/l	3.0	450000	
Co	59	74	He	0.259	ug/l	5.5	1800	
Ni	60	74	He	0.531	ug/l	24.8	18000	
Cu	63	74	He	0.843	ug/l	2.5	18000	
Zn	66	74	He	3.823	ug/l	28.8	18000	
As	75	74	He	0.008	ug/l	1199.9	4500	
Se	78	74	H2	0.418	ug/l	19.3	2700	
Sr	88	115	He	59.569	ug/l	2.4	4500	
Mo	95	115	He	0.475	ug/l	6.2	1800	
Ag	107	115	He	0.004	ug/l	80.5	900	
Cd	111	115	He	0.002	ug/l	1057.3	4500	
Sn	118	115	He	-0.624	ug/l	N/A	1800	
Sb	121	115	He	-0.054	ug/l	N/A	900	
Ba	137	159	He	47.695	ug/l	2.0	18000	
Tl	205	159	He	0.004	ug/l	21.9	900	
(Pb)	206	209	He	0.170	ug/l	4.2		
(Pb)	207	209	He	0.145	ug/l	14.1		
Pb	208	209	He	0.181	ug/l	8.6	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	895742.47	0.7	59.9	70	120	fail
Sc (ISICPMS)	45	No Gas	8631211.61	0.9	86.9	70	120	
Sc (ISICPMS)	45	H2	2632452.93	0.6	89.7	70	120	
Sc (ISICPMS)	45	He	104559.62	1.8	86.5	70	120	
Ge (IS)	74	H2	529418.74	0.6	85.4	70	120	
Ge (IS)	74	He	59172.42	0.9	85.2	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131174.89	1.0	90.6	70	120	
Tb (IS)	159	He	660024.60	1.0	91.7	70	120	
Bi (IS)	209	He	531391.90	0.3	91.4	70	120	

Sample Report

File Name 073SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:13:06

Sample Name **460-300343-I-9-C MS**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.090	ug/l	1.4	1800	
B	11	6	No Gas	629.092	ug/l	1.7	1800	
Na	23	45	He	65984.469	ug/l	1.0	450000	
Mg	24	45	He	21858.393	ug/l	1.4	450000	
Al	27	45	He	2657.513	ug/l	1.1	450000	
K	39	45	He	5985.971	ug/l	1.0	450000	
Ca	40	45	H2	143511.063	ug/l	2.0	900000	
Ti	47	45	No Gas	53.832	ug/l	1.7	9000	
V	51	74	He	51.215	ug/l	1.7	4500	
Cr	52	74	He	49.353	ug/l	2.4	18000	
Mn	55	74	He	787.227	ug/l	1.4	18000	
Fe	56	74	H2	2909.280	ug/l	1.0	450000	
Co	59	74	He	26.547	ug/l	2.0	1800	
Ni	60	74	He	52.172	ug/l	2.6	18000	
Cu	63	74	He	54.669	ug/l	2.0	18000	
Zn	66	74	He	263.422	ug/l	1.7	18000	
As	75	74	He	50.829	ug/l	2.5	4500	
Se	78	74	H2	52.119	ug/l	1.5	2700	
Sr	88	115	He	353.008	ug/l	0.5	4500	
Mo	95	115	He	49.844	ug/l	2.8	1800	
Ag	107	115	He	24.764	ug/l	5.5	900	
Cd	111	115	He	24.941	ug/l	1.9	4500	
Sn	118	115	He	47.697	ug/l	2.6	1800	
Sb	121	115	He	23.123	ug/l	2.3	900	
Ba	137	159	He	294.215	ug/l	1.0	18000	
Tl	205	159	He	19.921	ug/l	0.7	900	
(Pb)	206	209	He	25.834	ug/l	1.0		
(Pb)	207	209	He	25.373	ug/l	2.2		
Pb	208	209	He	25.738	ug/l	0.5	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	938136.19	1.1	62.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8692299.45	1.5	87.5	70	120	
Sc (ISICPMS)	45	H2	2700692.06	0.8	92.1	70	120	
Sc (ISICPMS)	45	He	108188.15	1.1	89.5	70	120	
Ge (IS)	74	H2	538101.68	0.6	86.8	70	120	
Ge (IS)	74	He	60145.08	1.7	86.6	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132493.90	0.7	91.5	70	120	
Tb (IS)	159	He	669454.63	0.6	93.1	70	120	
Bi (IS)	209	He	528149.51	0.5	90.8	70	120	

Sample Report

File Name 074SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:15:27

Sample Name **460-300343-I-9-D MSD**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	21.831	ug/l	1.6	1800	
B	11	6	No Gas	628.035	ug/l	2.2	1800	
Na	23	45	He	67248.884	ug/l	1.1	450000	
Mg	24	45	He	22044.016	ug/l	1.1	450000	
Al	27	45	He	2707.744	ug/l	0.6	450000	
K	39	45	He	6099.880	ug/l	1.3	450000	
Ca	40	45	H2	141864.267	ug/l	1.8	900000	
Ti	47	45	No Gas	55.095	ug/l	1.5	9000	
V	51	74	He	52.588	ug/l	1.7	4500	
Cr	52	74	He	51.376	ug/l	0.9	18000	
Mn	55	74	He	802.605	ug/l	1.1	18000	
Fe	56	74	H2	2910.738	ug/l	2.5	450000	
Co	59	74	He	27.011	ug/l	0.3	1800	
Ni	60	74	He	54.186	ug/l	1.2	18000	
Cu	63	74	He	56.333	ug/l	0.2	18000	
Zn	66	74	He	268.855	ug/l	1.3	18000	
As	75	74	He	54.126	ug/l	1.8	4500	
Se	78	74	H2	52.737	ug/l	5.5	2700	
Sr	88	115	He	356.211	ug/l	1.3	4500	
Mo	95	115	He	50.436	ug/l	0.7	1800	
Ag	107	115	He	24.380	ug/l	1.7	900	
Cd	111	115	He	24.866	ug/l	2.7	4500	
Sn	118	115	He	48.950	ug/l	2.3	1800	
Sb	121	115	He	23.496	ug/l	0.3	900	
Ba	137	159	He	297.918	ug/l	0.9	18000	
Tl	205	159	He	20.362	ug/l	1.5	900	
(Pb)	206	209	He	26.284	ug/l	0.2		
(Pb)	207	209	He	25.459	ug/l	1.2		
Pb	208	209	He	26.003	ug/l	0.3	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	936076.17	0.7	62.6	70	120	fail
Sc (ISICPMS)	45	No Gas	8545063.14	1.9	86.0	70	120	
Sc (ISICPMS)	45	H2	2711741.10	0.3	92.4	70	120	
Sc (ISICPMS)	45	He	109300.51	0.6	90.4	70	120	
Ge (IS)	74	H2	538502.42	1.0	86.9	70	120	
Ge (IS)	74	He	60034.61	0.5	86.4	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134677.14	0.9	93.0	70	120	
Tb (IS)	159	He	675232.61	0.8	93.9	70	120	
Bi (IS)	209	He	533493.34	0.4	91.8	70	120	

Sample Report

File Name 075SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:17:49

Sample Name **460-299078-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.020	ug/l	10.1	1800	
B	11	6	No Gas	24.279	ug/l	3.6	1800	
Na	23	45	He	6724.827	ug/l	0.2	450000	
Mg	24	45	He	5632.977	ug/l	1.0	450000	
Al	27	45	He	55.630	ug/l	6.5	450000	
K	39	45	He	3733.342	ug/l	0.8	450000	
Ca	40	45	H2	38467.459	ug/l	1.1	900000	
Ti	47	45	No Gas	0.778	ug/l	8.2	9000	
V	51	74	He	0.205	ug/l	11.2	4500	
Cr	52	74	He	-0.300	ug/l	N/A	18000	
Mn	55	74	He	108.053	ug/l	0.9	18000	
Fe	56	74	H2	3376.693	ug/l	1.1	450000	
Co	59	74	He	0.166	ug/l	10.2	1800	
Ni	60	74	He	0.386	ug/l	6.1	18000	
Cu	63	74	He	9.081	ug/l	2.5	18000	
Zn	66	74	He	14.585	ug/l	2.1	18000	
As	75	74	He	0.851	ug/l	12.6	4500	
Se	78	74	H2	0.145	ug/l	28.6	2700	
Sr	88	115	He	319.160	ug/l	0.7	4500	
Mo	95	115	He	0.993	ug/l	5.4	1800	
Ag	107	115	He	0.017	ug/l	18.3	900	
Cd	111	115	He	0.019	ug/l	92.4	4500	
Sn	118	115	He	-1.120	ug/l	N/A	1800	
Sb	121	115	He	0.676	ug/l	16.6	900	
Ba	137	159	He	20.217	ug/l	3.1	18000	
Tl	205	159	He	0.001	ug/l	473.0	900	
(Pb)	206	209	He	2.250	ug/l	4.1		
(Pb)	207	209	He	2.150	ug/l	1.0		
Pb	208	209	He	2.215	ug/l	1.1	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	916017.56	1.2	61.2	70	120	fail
Sc (ISICPMS)	45	No Gas	8693156.05	1.2	87.5	70	120	
Sc (ISICPMS)	45	H2	2691493.95	0.4	91.7	70	120	
Sc (ISICPMS)	45	He	108613.43	0.5	89.8	70	120	
Ge (IS)	74	H2	539204.79	0.7	87.0	70	120	
Ge (IS)	74	He	59477.82	1.0	85.6	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134211.42	0.6	92.7	70	120	
Tb (IS)	159	He	668677.17	1.2	92.9	70	120	
Bi (IS)	209	He	539290.67	0.8	92.8	70	120	

Sample Report

File Name 076SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:20:09

Sample Name **460-300343-I-1-A**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.238	ug/l	9.4	1800	
B	11	6	No Gas	151.432	ug/l	3.3	1800	
Na	23	45	He	237473.344	ug/l	1.1	450000	
Mg	24	45	He	348567.033	ug/l	2.1	450000	
Al	27	45	He	192.188	ug/l	4.9	450000	
K	39	45	He	75687.588	ug/l	1.4	450000	
Ca	40	45	H2	1036720.051	ug/l	0.8	900000	>LDR 200.8□>LDR 6020B
Ti	47	45	No Gas	22.596	ug/l	1.9	9000	
V	51	74	He	-1.040	ug/l	N/A	4500	
Cr	52	74	He	11.680	ug/l	1.9	18000	
Mn	55	74	He	236586.408	ug/l	1.3	18000	>LDR 200.8□>LDR 6020B
Fe	56	74	H2	266475.004	ug/l	0.6	450000	
Co	59	74	He	144.842	ug/l	1.2	1800	
Ni	60	74	He	408.626	ug/l	0.8	18000	
Cu	63	74	He	10.157	ug/l	3.3	18000	
Zn	66	74	He	157.606	ug/l	1.5	18000	
As	75	74	He	0.858	ug/l	13.7	4500	
Se	78	74	H2	2.330	ug/l	8.3	2700	
Sr	88	115	He	4708.741	ug/l	0.6	4500	>LDR 200.8
Mo	95	115	He	1.185	ug/l	4.2	1800	
Ag	107	115	He	0.010	ug/l	60.0	900	
Cd	111	115	He	1.430	ug/l	27.8	4500	
Sn	118	115	He	-0.265	ug/l	N/A	1800	
Sb	121	115	He	0.683	ug/l	14.7	900	
Ba	137	159	He	2609.177	ug/l	0.4	18000	
Tl	205	159	He	0.108	ug/l	6.3	900	
(Pb)	206	209	He	0.004	ug/l	137.9		
(Pb)	207	209	He	-0.032	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	892905.20	2.0	59.7	70	120	fail
Sc (ISICPMS)	45	No Gas	8578166.81	0.6	86.4	70	120	
Sc (ISICPMS)	45	H2	2707225.34	0.6	92.3	70	120	
Sc (ISICPMS)	45	He	112512.47	0.7	93.0	70	120	
Ge (IS)	74	H2	524727.57	0.7	84.7	70	120	
Ge (IS)	74	He	60505.46	0.5	87.1	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132775.69	1.0	91.7	70	120	
Tb (IS)	159	He	665478.22	0.7	92.5	70	120	
Bi (IS)	209	He	503281.83	0.9	86.6	70	120	

Sample Report

File Name 077SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:22:30

Sample Name **460-300343-I-2-A**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.026	ug/l	38.7	1800	
B	11	6	No Gas	183.921	ug/l	2.7	1800	
Na	23	45	He	143221.928	ug/l	0.8	450000	
Mg	24	45	He	24707.638	ug/l	0.7	450000	
Al	27	45	He	3.054	ug/l	55.0	450000	
K	39	45	He	20191.100	ug/l	0.9	450000	
Ca	40	45	H2	164156.220	ug/l	1.6	900000	
Ti	47	45	No Gas	12.723	ug/l	1.4	9000	
V	51	74	He	-0.540	ug/l	N/A	4500	
Cr	52	74	He	-1.013	ug/l	N/A	18000	
Mn	55	74	He	4739.198	ug/l	0.5	18000	
Fe	56	74	H2	7029.457	ug/l	1.9	450000	
Co	59	74	He	1.027	ug/l	5.9	1800	
Ni	60	74	He	0.801	ug/l	14.0	18000	
Cu	63	74	He	0.300	ug/l	1.2	18000	
Zn	66	74	He	1.316	ug/l	47.0	18000	
As	75	74	He	3.133	ug/l	8.4	4500	
Se	78	74	H2	0.253	ug/l	66.6	2700	
Sr	88	115	He	867.629	ug/l	0.9	4500	
Mo	95	115	He	1.342	ug/l	5.2	1800	
Ag	107	115	He	0.001	ug/l	221.3	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.119	ug/l	N/A	1800	
Sb	121	115	He	0.011	ug/l	344.4	900	
Ba	137	159	He	1185.033	ug/l	0.5	18000	
Tl	205	159	He	-0.002	ug/l	N/A	900	
(Pb)	206	209	He	0.033	ug/l	73.4		
(Pb)	207	209	He	0.028	ug/l	71.9		
Pb	208	209	He	0.028	ug/l	21.9	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1073296.83	1.4	71.7	70	120	
Sc (ISICPMS)	45	No Gas	9231776.53	1.7	93.0	70	120	
Sc (ISICPMS)	45	H2	2813861.66	1.3	95.9	70	120	
Sc (ISICPMS)	45	He	115637.88	0.1	95.6	70	120	
Ge (IS)	74	H2	554374.78	1.4	89.5	70	120	
Ge (IS)	74	He	62889.84	1.0	90.5	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138122.95	0.5	95.4	70	120	
Tb (IS)	159	He	687845.79	0.9	95.6	70	120	
Bi (IS)	209	He	540704.77	1.3	93.0	70	120	

Sample Report

File Name 078SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:24:50

Sample Name **460-300343-I-3-A**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.035	ug/l	57.3	1800	
B	11	6	No Gas	62.843	ug/l	2.7	1800	
Na	23	45	He	112336.642	ug/l	1.3	450000	
Mg	24	45	He	36690.377	ug/l	0.8	450000	
Al	27	45	He	47.066	ug/l	1.3	450000	
K	39	45	He	3752.846	ug/l	1.3	450000	
Ca	40	45	H2	205603.191	ug/l	0.8	900000	
Ti	47	45	No Gas	7.600	ug/l	3.5	9000	
V	51	74	He	-0.561	ug/l	N/A	4500	
Cr	52	74	He	-0.915	ug/l	N/A	18000	
Mn	55	74	He	1234.122	ug/l	0.2	18000	
Fe	56	74	H2	7346.310	ug/l	1.7	450000	
Co	59	74	He	0.350	ug/l	8.3	1800	
Ni	60	74	He	1.838	ug/l	4.9	18000	
Cu	63	74	He	0.464	ug/l	35.7	18000	
Zn	66	74	He	8.100	ug/l	11.6	18000	
As	75	74	He	5.022	ug/l	9.3	4500	
Se	78	74	H2	3.725	ug/l	9.7	2700	
Sr	88	115	He	821.695	ug/l	1.1	4500	
Mo	95	115	He	1.490	ug/l	8.6	1800	
Ag	107	115	He	-0.001	ug/l	N/A	900	
Cd	111	115	He	-0.005	ug/l	N/A	4500	
Sn	118	115	He	-1.071	ug/l	N/A	1800	
Sb	121	115	He	-0.088	ug/l	N/A	900	
Ba	137	159	He	2467.335	ug/l	0.5	18000	
Tl	205	159	He	-0.003	ug/l	N/A	900	
(Pb)	206	209	He	0.166	ug/l	7.5		
(Pb)	207	209	He	0.147	ug/l	26.0		
Pb	208	209	He	0.171	ug/l	2.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1056469.70	0.9	70.6	70	120	
Sc (ISICPMS)	45	No Gas	9249807.22	1.8	93.1	70	120	
Sc (ISICPMS)	45	H2	2801428.95	0.1	95.5	70	120	
Sc (ISICPMS)	45	He	115122.03	1.4	95.2	70	120	
Ge (IS)	74	H2	550795.16	1.0	88.9	70	120	
Ge (IS)	74	He	61883.31	1.2	89.1	70	120	
Kr	83	He	0.00	N/A				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138221.04	1.0	95.4	70	120	
Tb (IS)	159	He	684046.30	1.1	95.1	70	120	
Bi (IS)	209	He	535451.37	0.5	92.1	70	120	

Sample Report

File Name 079SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:27:13

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.015	ug/l	65.4	1800	
B	11	6	No Gas	-4.195	ug/l	N/A	1800	
Na	23	45	He	-46.972	ug/l	N/A	450000	
Mg	24	45	He	2.405	ug/l	17.4	450000	
Al	27	45	He	-4.173	ug/l	N/A	450000	
K	39	45	He	-85.174	ug/l	N/A	450000	
Ca	40	45	H2	13.857	ug/l	5.9	900000	
Ti	47	45	No Gas	0.022	ug/l	681.3	9000	
V	51	74	He	-1.033	ug/l	N/A	4500	
Cr	52	74	He	-0.189	ug/l	N/A	18000	
Mn	55	74	He	0.928	ug/l	21.5	18000	
Fe	56	74	H2	-1.500	ug/l	N/A	450000	
Co	59	74	He	0.003	ug/l	87.1	1800	
Ni	60	74	He	-0.048	ug/l	N/A	18000	
Cu	63	74	He	0.011	ug/l	158.9	18000	
Zn	66	74	He	1.142	ug/l	10.2	18000	
As	75	74	He	-0.099	ug/l	N/A	4500	
Se	78	74	H2	-0.025	ug/l	N/A	2700	
Sr	88	115	He	0.119	ug/l	48.1	4500	
Mo	95	115	He	0.028	ug/l	253.5	1800	
Ag	107	115	He	0.005	ug/l	150.5	900	
Cd	111	115	He	-0.011	ug/l	N/A	4500	
Sn	118	115	He	-0.925	ug/l	N/A	1800	
Sb	121	115	He	-0.062	ug/l	N/A	900	
Ba	137	159	He	0.148	ug/l	36.8	18000	
Tl	205	159	He	0.014	ug/l	55.0	900	
(Pb)	206	209	He	0.038	ug/l	21.4		
(Pb)	207	209	He	0.022	ug/l	102.4		
Pb	208	209	He	0.029	ug/l	14.2	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	1022893.28	1.5	68.4	70	120	fail
Sc (ISICPMS)	45	No Gas	9061199.59	2.1	91.2	70	120	
Sc (ISICPMS)	45	H2	2717773.12	0.8	92.6	70	120	
Sc (ISICPMS)	45	He	112939.32	1.3	93.4	70	120	
Ge (IS)	74	H2	535645.56	0.9	86.4	70	120	
Ge (IS)	74	He	61229.55	1.4	88.1	70	120	
Kr	83	He	3.34	173.2				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138028.41	1.4	95.3	70	120	
Tb (IS)	159	He	681597.30	1.0	94.7	70	120	
Bi (IS)	209	He	548917.98	0.6	94.4	70	120	

Sample Report

File Name 080SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM032624d.b

Acq Time 2024-03-26 18:29:36

Sample Name **rn.chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	45	No Gas	0.016	ug/l	71.1	1800	
B	11	6	No Gas	-5.184	ug/l	N/A	1800	
Na	23	45	He	-38.722	ug/l	N/A	450000	
Mg	24	45	He	2.637	ug/l	28.2	450000	
Al	27	45	He	-3.592	ug/l	N/A	450000	
K	39	45	He	-81.340	ug/l	N/A	450000	
Ca	40	45	H2	13.417	ug/l	4.2	900000	
Ti	47	45	No Gas	-0.277	ug/l	N/A	9000	
V	51	74	He	-1.015	ug/l	N/A	4500	
Cr	52	74	He	-0.024	ug/l	N/A	18000	
Mn	55	74	He	1.594	ug/l	14.5	18000	
Fe	56	74	H2	-1.870	ug/l	N/A	450000	
Co	59	74	He	-0.001	ug/l	N/A	1800	
Ni	60	74	He	-0.138	ug/l	N/A	18000	
Cu	63	74	He	0.047	ug/l	17.3	18000	
Zn	66	74	He	0.960	ug/l	55.3	18000	
As	75	74	He	-0.218	ug/l	N/A	4500	
Se	78	74	H2	0.028	ug/l	141.5	2700	
Sr	88	115	He	0.097	ug/l	50.7	4500	
Mo	95	115	He	0.002	ug/l	1473.0	1800	
Ag	107	115	He	0.007	ug/l	86.4	900	
Cd	111	115	He	-0.010	ug/l	N/A	4500	
Sn	118	115	He	-1.034	ug/l	N/A	1800	
Sb	121	115	He	-0.070	ug/l	N/A	900	
Ba	137	159	He	0.171	ug/l	31.8	18000	
Tl	205	159	He	0.010	ug/l	33.4	900	
(Pb)	206	209	He	0.046	ug/l	14.7		
(Pb)	207	209	He	0.026	ug/l	85.5		
Pb	208	209	He	0.030	ug/l	55.4	18000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	991760.20	1.2	66.3	70	120	fail
Sc (ISICPMS)	45	No Gas	9007026.12	1.1	90.7	70	120	
Sc (ISICPMS)	45	H2	2753526.97	0.8	93.9	70	120	
Sc (ISICPMS)	45	He	111731.53	2.0	92.4	70	120	
Ge (IS)	74	H2	540292.82	0.2	87.2	70	120	
Ge (IS)	74	He	59939.84	1.5	86.3	70	120	
Kr	83	He	6.67	86.6				

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138367.68	1.4	95.5	70	120	
Tb (IS)	159	He	676429.74	0.8	94.0	70	120	
Bi (IS)	209	He	544435.48	1.5	93.6	70	120	

US EPA Tune Check Report

Operator Name	Ediicpms3
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\NM032624.b
Acq. Date-Time	2024-03-26 11:07:37
Report Comment	EPA TUNE REPORT
Instrument Name	G8403A JP16121357

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	6987	69868.95	0.00		0.754	5.000
24	10.00	29916	299159.53	0.00		0.537	5.000
25	10.00	3998	39975.55	0.00		1.172	5.000
26	10.00	4776	47761.38	0.00		1.063	5.000
59	10.00	46474	464743.52	0.00		1.331	5.000
115	10.00	62122	621218.28	0.00		1.510	5.000
206	10.00	16849	168486.50	0.00		1.523	5.000
207	10.00	14715	147152.99	0.00		1.560	5.000
208	10.00	35617	356166.15	0.00		1.004	5.000

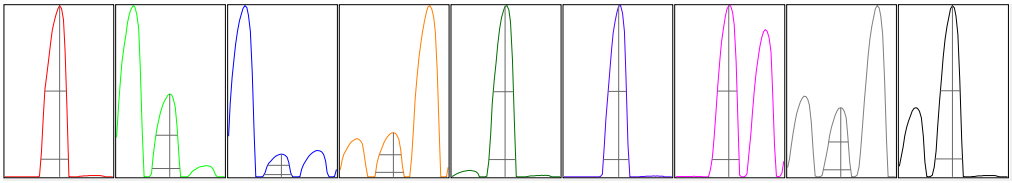
Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	7064	6965	6932	7015	6959
24	29711	29942	29997	29808	30121
25	3945	4022	3992	3966	4063
26	4740	4775	4743	4759	4863
59	46181	45928	46091	47442	46729
115	61375	61175	63061	63170	61828
206	16405	16968	16970	16860	17041
207	14392	14885	14852	14552	14896
208	35067	35504	35790	36013	35710

Integration Time [sec] 0.1

Resolution/Axis

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	12808.92	9.05	8.90 - 9.10	
24	53757.70	24.00	23.90 - 24.10	
25	7134.10	25.00	24.90 - 25.10	
26	8270.13	26.00	25.90 - 26.10	
59	88097.10	59.00	58.90 - 59.10	
115	127892.30	115.05	114.90 - 115.10	
206	32347.34	206.00	205.90 - 206.10	
207	27805.90	207.00	206.90 - 207.10	
208	68779.34	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.751	0.900	
24	0.59	0.763	0.900	
25	0.59	0.748	0.900	
26	0.60	0.764	0.900	
59	0.55	0.732	0.900	
115	0.50	0.698	0.900	
206	0.54	0.745	0.900	
207	0.54	0.746	0.900	
208	0.54	0.751	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.07 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.6 V	Deflect	13.2 V
Extract 2	-235.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-100 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		

QP Parameters

Mass Gain	139	Axis Gain	1.0010	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	0.00		

Hardware Settings

Torch

Torch H	0.5 mm	Torch V	-0.5 mm		

EM

Discriminator	4.7 mV	Analog HV	2485 V	Pulse HV	2000 V

03262024-w

Method: 245_7470A Operator: Admin Date of Analysis: 26 Mar 2024 13:27:59

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	67	-	965997hg1	245_7470A	26 Mar 2024 13:50:57	Hg	ug/L
0.2 ug/L - 1	1109	-	965997hg1	245_7470A	26 Mar 2024 13:52:39	Hg	ug/L
1.0 ug/L - 1	5649	-	965997hg1	245_7470A	26 Mar 2024 13:54:23	Hg	ug/L
2.0 ug/L - 1	10879	-	965997hg1	245_7470A	26 Mar 2024 13:56:06	Hg	ug/L
5.0 ug/L - 1	26555	-	965997hg1	245_7470A	26 Mar 2024 13:57:51	Hg	ug/L
10.0 ug/L - 1	50925	-	965997hg1	245_7470A	26 Mar 2024 13:59:37	Hg	ug/L
ICV - 1	0	(L)-1.6% -0.0816	965997hg1	245_7470A	26 Mar 2024 14:01:32	Hg	ug/L
Cal Blank - 1	63	-	965997hg1	245_7470A	26 Mar 2024 14:03:00	Hg	ug/L
0.2 ug/L - 1	1069	-	965997hg1	245_7470A	26 Mar 2024 14:04:43	Hg	ug/L
1.0 ug/L - 1	5317	-	965997hg1	245_7470A	26 Mar 2024 14:06:27	Hg	ug/L
2.0 ug/L - 1	10491	-	965997hg1	245_7470A	26 Mar 2024 14:08:10	Hg	ug/L
5.0 ug/L - 1	26484	-	965997hg1	245_7470A	26 Mar 2024 14:09:55	Hg	ug/L
10.0 ug/L - 1	53115	-	965997hg1	245_7470A	26 Mar 2024 14:11:40	Hg	ug/L
ICV - 1	26630	100.4% 5.0189	965997hg1	245_7470A	26 Mar 2024 14:13:34	Hg	ug/L
ICB - 1	-202	-0.0357	965997hg1	245_7470A	26 Mar 2024 14:15:37	Hg	ug/L
CRI - 1	1046	99.7% 0.1994	965997hg1	245_7470A	26 Mar 2024 14:17:31	Hg	ug/L
QCS - 1	26586	100.2% 5.0106	965997hg1	245_7470A	26 Mar 2024 14:19:15	Hg	ug/L
MCL - 1	10001	94.3% 1.8863	965997hg1	245_7470A	26 Mar 2024 14:20:58	Hg	ug/L
CCV - 1	25613	96.5% 4.8273	965997hg1	245_7470A	26 Mar 2024 14:22:52	Hg	ug/L
CCB - 1	-202	-0.0357	965997hg1	245_7470A	26 Mar 2024 14:24:37	Hg	ug/L
MB 460-965997/1-A - 1	-47	-0.0065	965997hg1	245_7470A	26 Mar 2024 14:26:32	Hg	ug/L
LCS 460-965997/2-A - 1	4809	0.9083	965997hg1	245_7470A	26 Mar 2024 14:28:14	Hg	ug/L
460-300430-J-3-B - 1	-61	-0.0091	965997hg1	245_7470A	26 Mar 2024 14:29:55	Hg	ug/L
460-300430-J-3-C DU - 1	137	0.0282	965997hg1	245_7470A	26 Mar 2024 14:31:39	Hg	ug/L
460-300430-J-3-D MS - 1	6481	1.2232	965997hg1	245_7470A	26 Mar 2024 14:33:21	Hg	ug/L
sd 460-300430-J-3-B@5 - 1	-111	-0.0185	965997hg1	245_7470A	26 Mar 2024 14:35:02	Hg	ug/L
460-300108-B-2-C - 1	66	0.0148	965997hg1	245_7470A	26 Mar 2024 14:36:46	Hg	ug/L
460-300397-E-1-B - 1	-10	0.0005	965997hg1	245_7470A	26 Mar 2024 14:38:28	Hg	ug/L
460-300397-E-2-B - 1	-28	-0.0029	965997hg1	245_7470A	26 Mar 2024 14:40:10	Hg	ug/L
460-300397-E-3-C - 1	-41	-0.0054	965997hg1	245_7470A	26 Mar 2024 14:41:53	Hg	ug/L
CCV - 1	26479	99.8% 4.9904	965997hg1	245_7470A	26 Mar 2024 14:43:35	Hg	ug/L
CCB - 1	-244	-0.0436	965997hg1	245_7470A	26 Mar 2024 14:45:17	Hg	ug/L
460-300397-E-4-B - 1	198	0.0397	965997hg1	245_7470A	26 Mar 2024 14:47:10	Hg	ug/L
460-300397-C-5-B - 1	-28	-0.0029	965997hg1	245_7470A	26 Mar 2024 14:48:53	Hg	ug/L
460-300689-G-1-B - 1	1	0.0026	965997hg1	245_7470A	26 Mar 2024 14:50:37	Hg	ug/L
460-300484-J-3-C - 1	449	0.0870	965997hg1	245_7470A	26 Mar 2024 14:52:19	Hg	ug/L
460-300025-C-7-B - 1	-46	-0.0063	965997hg1	245_7470A	26 Mar 2024 14:54:00	Hg	ug/L
460-300149-J-10-B - 1	-44	-0.0059	965997hg1	245_7470A	26 Mar 2024 14:55:42	Hg	ug/L
460-300395-E-3-B - 1	-63	-0.0095	965997hg1	245_7470A	26 Mar 2024 14:57:24	Hg	ug/L
460-300398-E-8-B - 1	-19	-0.0012	965997hg1	245_7470A	26 Mar 2024 14:59:06	Hg	ug/L
460-300430-J-1-B - 1	22	0.0065	965997hg1	245_7470A	26 Mar 2024 15:00:48	Hg	ug/L
460-300430-J-2-B - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:02:29	Hg	ug/L
CCV - 1	26261	99.0% 4.9494	965997hg1	245_7470A	26 Mar 2024 15:04:12	Hg	ug/L
CCB - 1	-223	-0.0396	965997hg1	245_7470A	26 Mar 2024 15:05:54	Hg	ug/L
460-300436-E-20-B - 1	-52	-0.0074	965997hg1	245_7470A	26 Mar 2024 15:07:48	Hg	ug/L
460-300476-C-7-A - 1	-44	-0.0059	965997hg1	245_7470A	26 Mar 2024 15:09:31	Hg	ug/L
460-300560-E-22-B - 1	-65	-0.0099	965997hg1	245_7470A	26 Mar 2024 15:11:15	Hg	ug/L
460-300581-E-14-B - 1	-61	-0.0091	965997hg1	245_7470A	26 Mar 2024 15:12:58	Hg	ug/L
460-300021-G-1-B - 1	123	0.0255	965997hg1	245_7470A	26 Mar 2024 15:14:42	Hg	ug/L
MB 460-966002/1-A - 1	214	0.0427	965997hg1	245_7470A	26 Mar 2024 15:16:24	Hg	ug/L
MB 460-966001/1-B - 1	-41	-0.0054	965997hg1	245_7470A	26 Mar 2024 15:18:05	Hg	ug/L
LCS 460-966002/3-A - 1	5359	1.0119	965997hg1	245_7470A	26 Mar 2024 15:19:47	Hg	ug/L
460-299463-Q-1-A - 1	-92	-0.0150	965997hg1	245_7470A	26 Mar 2024 15:21:29	Hg	ug/L
460-299463-Q-1-B DU - 1	39	0.0097	965997hg1	245_7470A	26 Mar 2024 15:23:13	Hg	ug/L
CCV - 1	26825	101.1% 5.0556	965997hg1	245_7470A	26 Mar 2024 15:24:55	Hg	ug/L
CCB - 1	-235	-0.0419	965997hg1	245_7470A	26 Mar 2024 15:26:37	Hg	ug/L
460-299463-Q-1-C MS - 1	5494	1.0373	965997hg1	245_7470A	26 Mar 2024 15:28:32	Hg	ug/L
460-299463-Q-1-D MSD - 1	5302	1.0011	965997hg1	245_7470A	26 Mar 2024 15:30:15	Hg	ug/L
sd 460-299463-Q-1-A@5 - 1	-166	-0.0289	965997hg1	245_7470A	26 Mar 2024 15:32:00	Hg	ug/L
460-299463-Q-2-A - 1	7	0.0037	965997hg1	245_7470A	26 Mar 2024 15:33:45	Hg	ug/L
460-299463-Q-3-A - 1	-5	0.0014	965997hg1	245_7470A	26 Mar 2024 15:35:28	Hg	ug/L
460-299463-Q-4-A - 1	-26	-0.0025	965997hg1	245_7470A	26 Mar 2024 15:37:11	Hg	ug/L
460-299463-Q-5-A - 1	-11	0.0003	965997hg1	245_7470A	26 Mar 2024 15:38:54	Hg	ug/L
460-299463-J-8-A - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:40:36	Hg	ug/L
460-300106-B-2-A - 1	18	0.0058	965997hg1	245_7470A	26 Mar 2024 15:42:18	Hg	ug/L
460-300106-B-3-A - 1	5	0.0033	965997hg1	245_7470A	26 Mar 2024 15:44:00	Hg	ug/L
CCV - 1	26604	100.3% 5.0140	965997hg1	245_7470A	26 Mar 2024 15:45:42	Hg	ug/L
CCB - 1	-247	-0.0442	965997hg1	245_7470A	26 Mar 2024 15:47:24	Hg	ug/L
460-300106-B-4-A - 1	117	0.0244	965997hg1	245_7470A	26 Mar 2024 15:49:17	Hg	ug/L
460-300106-B-5-A - 1	2	0.0027	965997hg1	245_7470A	26 Mar 2024 15:50:59	Hg	ug/L
460-300106-B-6-A - 1	-37	-0.0046	965997hg1	245_7470A	26 Mar 2024 15:52:41	Hg	ug/L
460-300634-D-1-A - 1	22	0.0065	965997hg1	245_7470A	26 Mar 2024 15:54:23	Hg	ug/L
460-300634-D-2-A - 1	-14	-0.0003	965997hg1	245_7470A	26 Mar 2024 15:56:06	Hg	ug/L
460-300634-D-3-A - 1	-54	-0.0078	965997hg1	245_7470A	26 Mar 2024 15:57:48	Hg	ug/L
460-300634-D-4-A - 1	-30	-0.0033	965997hg1	245_7470A	26 Mar 2024 15:59:31	Hg	ug/L
460-300634-D-5-A - 1	-27	-0.0027	965997hg1	245_7470A	26 Mar 2024 16:01:14	Hg	ug/L
460-300634-D-6-A - 1	-39	-0.0050	965997hg1	245_7470A	26 Mar 2024 16:02:58	Hg	ug/L
460-300430-H-1-B - 1	-29	-0.0031	965997hg1	245_7470A	26 Mar 2024 16:04:40	Hg	ug/L
CCV - 1	26000	98.0% 4.9002	965997hg1	245_7470A	26 Mar 2024 16:06:23	Hg	ug/L
CCB - 1	-193	-0.0340	965997hg1	245_7470A	26 Mar 2024 16:08:06	Hg	ug/L
460-300430-H-2-B - 1	-2	0.0020	965997hg1	245_7470A	26 Mar 2024 16:10:01	Hg	ug/L
460-300430-H-3-B - 1	-63	-0.0095	965997hg1	245_7470A	26 Mar 2024 16:11:44	Hg	ug/L
MB 460-966015/1-A - 1	1612	0.3960	965997hg1	245_7470A	26 Mar 2024 16:13:27	Hg	ug/L
LCS 460-966015/2-A - 1	27410	5.1658	965997hg1	245_7470A	26 Mar 2024 16:15:09	Hg	ug/L

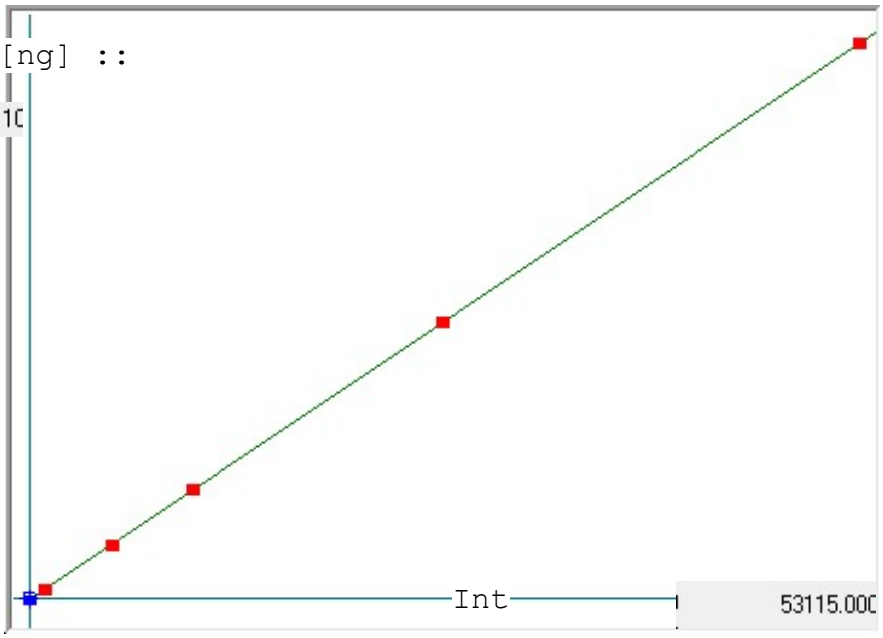
03262024-w

Method: 245_7470A Operator: Admin Date of Analysis: 26 Mar 2024 13:27:59

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
460-300341-D-5-H - 1	823	0.1574	965997hg1	245_7470A	26 Mar 2024 16:16:52	Hg	ug/L
460-300341-D-5-I DU - 1	747	0.1431	965997hg1	245_7470A	26 Mar 2024 16:18:47	Hg	ug/L
460-300341-D-5-J MS - 1	28726	5.4137	965997hg1	245_7470A	26 Mar 2024 16:20:30	Hg	ug/L
sd 460-300341-D-5-H@5 - 1	-30	-0.0033	965997hg1	245_7470A	26 Mar 2024 16:22:13	Hg	ug/L
460-300341-C-1-J - 1	925	0.1766	965997hg1	245_7470A	26 Mar 2024 16:24:07	Hg	ug/L
460-300341-C-2-H - 1	1118	0.2130	965997hg1	245_7470A	26 Mar 2024 16:25:50	Hg	ug/L
CCV - 1	26522	100.0% 4.9985	965997hg1	245_7470A	26 Mar 2024 16:27:34	Hg	ug/L
CCB - 1	-230	-0.0410	965997hg1	245_7470A	26 Mar 2024 16:29:17	Hg	ug/L
460-300341-D-3-I - 1	531	0.1024	965997hg1	245_7470A	26 Mar 2024 16:31:11	Hg	ug/L
460-300341-D-4-H - 1	300	0.0589	965997hg1	245_7470A	26 Mar 2024 16:32:54	Hg	ug/L
460-300341-D-6-I - 1	62	0.0141	965997hg1	245_7470A	26 Mar 2024 16:34:37	Hg	ug/L
460-300406-B-1-K - 1	50	0.0118	965997hg1	245_7470A	26 Mar 2024 16:36:20	Hg	ug/L
460-300369-A-1-M - 1	287	0.0564	965997hg1	245_7470A	26 Mar 2024 16:38:02	Hg	ug/L
460-300624-B-1-F - 1	76	0.0167	965997hg1	245_7470A	26 Mar 2024 16:39:45	Hg	ug/L
LB 460-965645/1-G - 1	7522	1.4193	965997hg1	245_7470A	26 Mar 2024 16:41:28	Hg	ug/L
MB 460-966016/1-A - 1	-243	-0.0434	965997hg1	245_7470A	26 Mar 2024 16:43:10	Hg	ug/L
LCS 460-966016/2-A - 1	27532	5.1888	965997hg1	245_7470A	26 Mar 2024 16:44:55	Hg	ug/L
460-300614-A-1-D - 1	341	0.0666	965997hg1	245_7470A	26 Mar 2024 16:46:38	Hg	ug/L
CCV - 1	26582	100.2% 5.0098	965997hg1	245_7470A	26 Mar 2024 16:48:30	Hg	ug/L
CCB - 1	-235	-0.0419	965997hg1	245_7470A	26 Mar 2024 16:50:13	Hg	ug/L
460-300614-A-1-E DU - 1	642	0.1233	965997hg1	245_7470A	26 Mar 2024 16:52:09	Hg	ug/L
460-300614-A-1-F MS - 1	26556	5.0049	965997hg1	245_7470A	26 Mar 2024 16:53:52	Hg	ug/L
sd 460-300614-A-1-D@5 - 1	-144	-0.0248	965997hg1	245_7470A	26 Mar 2024 16:55:37	Hg	ug/L
460-300075-A-10-G - 1	5829	1.1004	965997hg1	245_7470A	26 Mar 2024 16:57:31	Hg	ug/L
460-300075-A-13-E - 1	401	0.0779	965997hg1	245_7470A	26 Mar 2024 16:59:15	Hg	ug/L
460-300075-A-14-E - 1	259	0.0512	965997hg1	245_7470A	26 Mar 2024 17:01:00	Hg	ug/L
LB 460-965834/1-B - 1	-76	-0.0119	965997hg1	245_7470A	26 Mar 2024 17:02:43	Hg	ug/L
MB 460-966015/1-A - 1	-6	0.0012	965997hg1	245_7470A	26 Mar 2024 17:04:26	Hg	ug/L
LB 460-965645/1-G - 1	-12	0.0001	965997hg1	245_7470A	26 Mar 2024 17:06:08	Hg	ug/L
CCV - 1	26774	100.9% 5.0460	965997hg1	245_7470A	26 Mar 2024 17:07:52	Hg	ug/L
CCB - 1	-253	-0.0453	965997hg1	245_7470A	26 Mar 2024 17:09:34	Hg	ug/L

245_7470A

Linear



A= 0.0000e+000

B= 1.8838e-004

C= 2.3727e-003

Rho= 0.9999945

Accept= Accepted

Accepted Date=

03/26/24 14:13

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	0.014	0.014	63	0.000	63				
0.2 ug/L	0.200	0.204	0.004	1069	0.0 %	1069				
1.0 ug/L	1.000	1.004	0.004	5317	0.0 %	5317				
2.0 ug/L	2.000	1.979	-0.021	10491	0.0 %	10491				
5.0 ug/L	5.000	4.991	-0.009	26484	0.0 %	26484				
10.0 ug/L	10.000	10.008	0.008	53115	0.0 %	53115				

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965324 Batch Start Date: 03/21/24 19:20 Batch Analyst: Esteban, Gared A

Batch Method: 3005A Batch End Date: 03/21/24 23:50

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00052			
MB 460-965324/1		3005A, 6020B			50 mL	50 mL				
LCS 460-965324/2		3005A, 6020B			50 mL	50 mL	0.25 mL			
460-300349-J-1 DU		3005A, 6020B		R	50 mL	50 mL				
460-300349-J-1 MS		3005A, 6020B		R	50 mL	50 mL	0.25 mL			
460-300430-J-1	MW-18R	3005A, 6020B	Water	R	50 mL	50 mL				
460-300430-J-2	MW-15	3005A, 6020B	Water	R	50 mL	50 mL				
460-300430-J-3	MW-13	3005A, 6020B	Water	R	50 mL	50 mL				

Batch Notes	
Digestion Tube/Cup ID	Lot # 2304355-3292-MI (Env. Exp. 100 ml. Dg tube)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	GE
Sufficient Volume for Batch QC	YES
Hydrochloric Acid ID	Lot # 231497 (Fisher Brand) = 2.5 ml.
Nitric Acid ID	Lot # 233426 (Fisher Brand) = 1.5 ml.
Digestion Unit ID	#5
Thermometer ID	Metals 2 (cf +1 deg C)
Thermometer Location ID	HB #3
Temperature - Uncorrected - Start	90 deg C Degrees C
Temperature - Corrected - Start	91 deg C Degrees C
Digestion Start Time	03/21/2024 19:20
Digestion End Time	03/21/2024 21:50
Temperature - Uncorrected - End	92 deg C Degrees C
Temperature - Corrected - End	93 deg C Degrees C
Filter ID	09-790F
MB Hotblock Location	Hood 4

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965324 Batch Start Date: 03/21/24 19:20 Batch Analyst: Esteban, Gared A

Batch Method: 3005A Batch End Date: 03/21/24 23:50

Basis	Basis Description
R	Total Recoverable

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965990 Batch Start Date: 03/26/24 11:34 Batch Analyst: Huang, Yixin

Batch Method: FILTRATION Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-965990/1		FILTRATION, 3005A, 6020B			10 mL	10 mL				
460-300484-H-2 MS		FILTRATION, 3005A, 6020B		D	10 mL	10 mL				
460-300484-H-2 MSD		FILTRATION, 3005A, 6020B		D	10 mL	10 mL				
460-300430-E-1	MW-18R	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300430-D-2	MW-15	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				
460-300430-D-3	MW-13	FILTRATION, 3005A, 6020B	Water	D	10 mL	10 mL				

Batch Notes	
Batch Comment	undigested dissolved water

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965991 Batch Start Date: 03/26/24 11:50 Batch Analyst: Huang, Yixin

Batch Method: 3005A Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-965990/1-A		3005A, 6020B			10 mL	10 mL				
LCS 460-965991/2		3005A, 6020B			10 mL	10 mL				
460-300484-H-2-I DU		3005A, 6020B		D	10 mL	10 mL				
460-300484-H-2-J MS		3005A, 6020B		D	10 mL	10 mL				
460-300484-H-2-K MSD		3005A, 6020B		D	10 mL	10 mL				
460-300430-E-1-A	MW-18R	3005A, 6020B	Water	D	10 mL	10 mL				
460-300430-D-2-A	MW-15	3005A, 6020B	Water	D	10 mL	10 mL				
460-300430-D-3-A	MW-13	3005A, 6020B	Water	D	10 mL	10 mL				

Batch Notes	
Batch Comment	undigested dissolved samples

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965997 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04542	ME_DQCS-INT 04272		
MB 460-965997/1		7470A, 7470A			30 mL	30 mL				
LCS 460-965997/2		7470A, 7470A			30 mL	30 mL	0.3 mL			
460-300430-J-3	MW-13	7470A, 7470A	Water	T	30 mL	30 mL				
460-300430-J-3 DU	MW-13	7470A, 7470A		T	30 mL	30 mL				
460-300430-J-3 MS	MW-13	7470A, 7470A		T	30 mL	30 mL	0.3 mL			
460-300430-J-1	MW-18R	7470A, 7470A	Water	T	30 mL	30 mL				
460-300430-J-2	MW-15	7470A, 7470A	Water	T	30 mL	30 mL				
ICV 460-965997/31		7470A, 7470A			30 mL	30 mL		1.5 mL		
CRI 460-965997/32		7470A, 7470A			30 mL	30 mL	0.06 mL			
CCV 460-965997/35		7470A, 7470A			30 mL	30 mL	1.5 mL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965997 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	258256(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00280(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00084(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	03/26/2024 11:00
Digestion End Time	03/26/2024 13:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00267(1.8 ml)
Batch Comment	10% HCL 00217

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 966001 Batch Start Date: 03/26/24 11:00 Batch Analyst: Sheikh, Razia B

Batch Method: FILTRATION Batch End Date: 03/26/24 11:15

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount				
MB 460-966001/1		FILTRATION, 7470A, 7470A			30 mL	30 mL				
460-300430-H-1	MW-18R	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300430-H-2	MW-15	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				
460-300430-H-3	MW-13	FILTRATION, 7470A, 7470A	Water	D	30 mL	30 mL				

Batch Notes	
Filter ID	0.45um syringe filter Agilent lot 300095039

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 966002 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04542			
MB 460-966001/1-A		7470A, 7470A			30 mL	30 mL				
460-299463-Q-1 DU		7470A, 7470A		D	30 mL	30 mL				
460-299463-Q-1 MS		7470A, 7470A		D	30 mL	30 mL	0.3 mL			
460-299463-Q-1 MSD		7470A, 7470A		D	30 mL	30 mL	0.3 mL			
460-300430-H-1-A	MW-18R	7470A, 7470A	Water	D	30 mL	30 mL				
460-300430-H-2-A	MW-15	7470A, 7470A	Water	D	30 mL	30 mL				
460-300430-H-3-A	MW-13	7470A, 7470A	Water	D	30 mL	30 mL				

Batch Notes	
Digestion Tube/Cup ID	j551311-2258
Pipette/Syringe/Dispenser ID	95,80,99
Nitric Acid ID	258256(0.75 ml)
Sulfuric Acid Lot Number	231050(1.5 ml)
Potassium Permanganate ID	ME_potPermSol_00280(4.5 ml)
Potassium Persulfate ID	ME_PotPersSol_00084(2.4 ml)
Digestion Unit ID	11
Thermometer ID	Hg-8(CF=1)
Temperature - Uncorrected - Start	94 Degrees C
Temperature - Corrected - Start	95 Degrees C
Digestion Start Time	03/26/2024 12:00
Digestion End Time	03/26/2024 14:00
Temperature - Uncorrected - End	94 Degrees C
Temperature - Corrected - End	95 Degrees C
Hydroxylamine ID	ME_NACLHYDHCL_00267(1.8 ml)
Batch Comment	10% HCL 00217

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 966002 Batch Start Date: 03/26/24 09:30 Batch Analyst: Sheikh, Razia B

Batch Method: 7470A Batch End Date: 03/26/24 13:30

Basis	Basis Description
D	Dissolved

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG No.:

Project: Powerhouse, Brooklyn, NY

Client Sample ID	Lab Sample ID
MW-18R	460-300430-1
MW-15	460-300430-2
MW-13	460-300430-3

Comments:

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-18R
Lab Sample ID: 460-300430-1
Lab Name: Eurofins Edison
Job No.: 460-300430-1
SDG ID.:
Matrix: Water
Date Sampled: 03/20/2024 08:00
Reporting Basis: WET
Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.0071	0.010	0.0040	mg/L	J		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-15 | Lab Sample ID: 460-300430-2

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 09:20

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0040	mg/L	U		1	9012B

1B-IN
INORGANIC ANALYSIS DATA SHEET
GENERAL CHEMISTRY

Client Sample ID: MW-13 | Lab Sample ID: 460-300430-3

Lab Name: Eurofins Edison | Job No.: 460-300430-1

SDG ID.:

Matrix: Water | Date Sampled: 03/20/2024 11:05

Reporting Basis: WET | Date Received: 03/20/2024 20:00

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
57-12-5	Cyanide, Total	0.010	0.010	0.0040	mg/L	U		1	9012B

2-IN
CALIBRATION QUALITY CONTROL
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Analyst: VBG Batch Start Date: 03/24/2024

Reporting Units: mg/L Analytical Batch No.: 965699

Sample Number	QC Type	Time	Analyte	Result	Spike Amount	(%) Recovery	Limits	Qual	Reagent
8	ICV	13:48	Cyanide, Total	0.209	0.200	105	85-115		WTcn6ppm_ICV_01148
9	ICB	13:48	Cyanide, Total	0.010				U	
95	CCV	15:22	Cyanide, Total	0.202	0.200	101	85-115		WTcn6ppm_Pri_01171
96	CCB	15:24	Cyanide, Total	0.010				U	
107	CCV	15:34	Cyanide, Total	0.202	0.200	101	85-115		WTcn6ppm_Pri_01171
108	CCB	15:37	Cyanide, Total	0.010				U	
119	CCV	15:46	Cyanide, Total	0.202	0.200	101	85-115		WTcn6ppm_Pri_01171
120	CCB	15:49	Cyanide, Total	0.010				U	
131	CCV	15:59	Cyanide, Total	0.202	0.200	101	85-115		WTcn6ppm_Pri_01171
132	CCB	16:02	Cyanide, Total	0.010				U	

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM II-IN

3-IN
METHOD BLANK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Method	Lab Sample ID	Analyte	Result	Qual	Units	RL	Dil
Batch ID: 965699	Date: 03/24/2024 15:32	Prep Batch: 965662	Date: 03/24/2024 12:08				
9012B	MB 460-965662/12-A	Cyanide, Total	0.010	U	mg/L	0.010	1

5-IN
MATRIX SPIKE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965699	Date: 03/24/2024 15:53		Prep Batch: 965662		Date: 03/24/2024 12:08						
9012B	460-300430-1	Cyanide, Total	0.0071	J	mg/L						
9012B	460-300430-1 MS	Cyanide, Total	0.207		mg/L	0.200	100	90-110			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

5-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965699	Date: 03/24/2024 15:54		Prep Batch: 965662			Date: 03/24/2024 12:08					
9012B	460-300430-1 MSD	Cyanide, Total	0.227		mg/L	0.200	110	90-110	9	35	

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM V-IN

7A-IN
LAB CONTROL SAMPLE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965699	Date: 03/24/2024 15:33		Prep Batch: 965662		Date: 03/24/2024 12:08						
					LCS Source: WTcnCmplex-IM_01203						
9012B	LCS 460-965662/13-A	Cyanide, Total	0.108		mg/L	0.100	108	85-115			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

7A-IN
METHOD REPORTING LIMIT CHECK
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Matrix: Water

Method	Lab Sample ID	Analyte	Result	C	Unit	Spike Amount	Pct. Rec.	Limits	RPD	RPD Limit	Q
Batch ID: 965699 Date: 03/24/2024 13:51			Prep Batch: 965662 Date: 03/24/2024 12:08								
						LCS Source: WTcn6ppm_Pri_01171					
9012B	MRL 460-965662/11 -A	Cyanide, Total	0.0101		mg/L	0.0100	101	50-150			

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA-IN

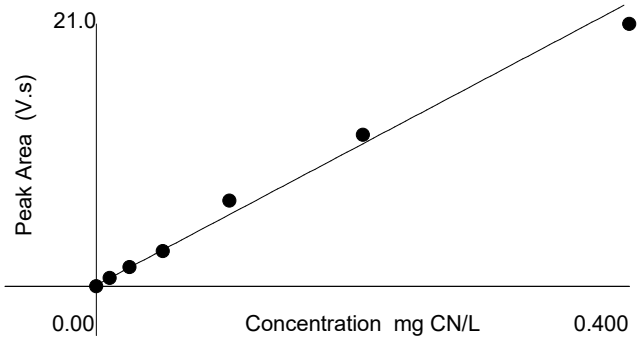
Original Run Filename: OM_3-24-2024_01-40-58PM.OMN Created: 3/24/2024 1:40:58 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_3-24-2024_01-40-58PM.OMN Last Modified: 3/24/2024 4:49:18 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

Sample	Cup No.	Channel 1 Cyanide		Detection Time
		Conc. (mg CN/L)	Area (V.s)	
ic 460-953041/27-a	1	0.400	21.0	3/24/2024@1:41:52 PM
ic 460-953041/28-a	2	0.200	12.1	3/24/2024@1:42:45 PM
ic 460-953041/29-a	3	0.100	6.85	3/24/2024@1:43:39 PM
ic 460-953041/30-a	4	0.0500	2.80	3/24/2024@1:44:32 PM
ic 460-953041/31-a	5	0.0250	1.52	3/24/2024@1:45:25 PM
ic 460-953041/32-a	6	0.0100	0.666	3/24/2024@1:46:17 PM
ic 460-953041/33-a	7	0.00	-6.64e-3	3/24/2024@1:47:10 PM

Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	21.0	1.29	0.0	7.6	0.366	3/24/2024	1:41:52 PM
2	0.200	1	12.1	0.768	0.0	-6.3	0.211	3/24/2024	1:42:45 PM
3	0.100	1	6.85	0.442	0.0	-19.1	0.118	3/24/2024	1:43:39 PM
4	0.0500	1	2.80	0.184	0.0	4.0	0.0476	3/24/2024	1:44:32 PM
5	0.0250	1	1.52	0.0998	0.0	-1.1	0.0253	3/24/2024	1:45:25 PM
6	0.0100	1	0.666	0.0429	0.0	-1.5	0.0103	3/24/2024	1:46:17 PM
7	0.00	1	-6.64e-3	-9.69e-4			-1.44e-3	3/24/2024	1:47:10 PM

Figure : 1 (Cyanide)



Area = 56.7 * Conc + 0.0894
Conc = 0.0175 * Area - 1.32e-3
Correlation Coefficient (r) = 0.99875

Weighting : 1/x

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B MDL Date: 04/20/2018 11:15

Prep Method: 9012B

Analyte	Wavelength/ Mass	RL (mg/L)	MDL (mg/L)
Cyanide, Total		0.01	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-300430-1

SDG Number:

Matrix: Water Instrument ID: Lachat3

Method: 9012B XMDL Date: 04/20/2018 11:15

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Cyanide, Total		0.01	0.004

12-IN
PREPARATION LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Prep Method: 9012B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
MRL 460-965662/11-A	03/24/2024 12:08	965662		6.0	6.0
MB 460-965662/12-A	03/24/2024 12:08	965662		6.0	6.0
LCS 460-965662/13-A	03/24/2024 12:08	965662		6.0	6.0
460-300430-2	03/24/2024 12:08	965662		6.0	6.0
460-300430-3	03/24/2024 12:08	965662		6.0	6.0
460-300430-1	03/24/2024 12:08	965662		6.0	6.0
460-300430-1 MS	03/24/2024 12:08	965662		6.0	6.0
460-300430-1 MSD	03/24/2024 12:08	965662		6.0	6.0

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/24/2024 13:41 End Date: 03/24/2024 16:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
IC 460-953041/27-A			13:41	X																			
IC 460-953041/28-A			13:42	X																			
IC 460-953041/29-A			13:43	X																			
IC 460-953041/30-A			13:44	X																			
IC 460-953041/31-A			13:45	X																			
IC 460-953041/32-A			13:46	X																			
IC 460-953041/33-A			13:47	X																			
ICV 460-965662/10-A	1		13:48	X																			
ICB 460-965699/9	1		13:48	X																			
MRL 460-965662/11-A	1	T	13:51	X																			
CCV 460-965662/8-A			13:52																				
CCB 460-965699/12			13:55																				
ZZZZZZ			13:56																				
ZZZZZZ			13:57																				
ZZZZZZ			13:58																				
ZZZZZZ			13:58																				
ZZZZZZ			13:59																				
ZZZZZZ			14:00																				
ZZZZZZ			14:01																				
ZZZZZZ			14:02																				
ZZZZZZ			14:03																				
ZZZZZZ			14:04																				
CCV 460-965662/8-A			14:05																				
CCB 460-965699/24			14:07																				
ZZZZZZ			14:08																				
ZZZZZZ			14:09																				
ZZZZZZ			14:10																				
ZZZZZZ			14:11																				
ZZZZZZ			14:12																				
ZZZZZZ			14:13																				
ZZZZZZ			14:14																				
ZZZZZZ			14:14																				
ZZZZZZ			14:15																				
ZZZZZZ			14:16																				
CCV 460-965662/8-A			14:17																				
CCB 460-965699/36			14:20																				
ZZZZZZ			14:21																				
ZZZZZZ			14:22																				
ZZZZZZ			14:23																				
ZZZZZZ			14:23																				
ZZZZZZ			14:24																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/24/2024 13:41 End Date: 03/24/2024 16:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			14:25																				
ZZZZZZ			14:26																				
ZZZZZZ			14:27																				
ZZZZZZ			14:28																				
ZZZZZZ			14:29																				
CCV 460-965662/8-A			14:30																				
CCB 460-965699/48			14:32																				
ZZZZZZ			14:33																				
ZZZZZZ			14:34																				
ZZZZZZ			14:35																				
ZZZZZZ			14:36																				
ZZZZZZ			14:37																				
ZZZZZZ			14:38																				
ZZZZZZ			14:38																				
ZZZZZZ			14:39																				
ZZZZZZ			14:40																				
ZZZZZZ			14:41																				
CCV 460-965662/8-A			14:42																				
CCB 460-965699/60			14:45																				
ZZZZZZ			14:46																				
ZZZZZZ			14:47																				
ZZZZZZ			14:47																				
ZZZZZZ			14:48																				
ZZZZZZ			14:49																				
ZZZZZZ			14:50																				
ZZZZZZ			14:51																				
ZZZZZZ			14:52																				
ZZZZZZ			14:53																				
ZZZZZZ			14:53																				
CCV 460-965662/8-A			14:54																				
CCB 460-965699/72			14:57																				
ZZZZZZ			14:58																				
ZZZZZZ			14:59																				
ZZZZZZ			15:00																				
ZZZZZZ			15:01																				
ZZZZZZ			15:02																				
ZZZZZZ			15:03																				
ZZZZZZ			15:03																				
ZZZZZZ			15:04																				
ZZZZZZ			15:05																				
ZZZZZZ			15:06																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/24/2024 13:41 End Date: 03/24/2024 16:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
CCV 460-965662/8-A			15:07																				
CCB 460-965699/84			15:10																				
ZZZZZZ			15:11																				
ZZZZZZ			15:11																				
ZZZZZZ			15:12																				
ZZZZZZ			15:13																				
ZZZZZZ			15:14																				
ZZZZZZ			15:15																				
ZZZZZZ			15:16																				
ZZZZZZ			15:18																				
ZZZZZZ			15:20																				
ZZZZZZ			15:21																				
CCV 460-965662/8-A	1		15:22	X																			
CCB 460-965699/96	1		15:24	X																			
ZZZZZZ			15:25																				
ZZZZZZ			15:26																				
ZZZZZZ			15:27																				
ZZZZZZ			15:28																				
ZZZZZZ			15:29																				
ZZZZZZ			15:30																				
ZZZZZZ			15:31																				
ZZZZZZ			15:31																				
MB 460-965662/12-A	1	T	15:32	X																			
LCS 460-965662/13-A	1	T	15:33	X																			
CCV 460-965662/8-A	1		15:34	X																			
CCB 460-965699/108	1		15:37	X																			
ZZZZZZ			15:38																				
ZZZZZZ			15:39																				
ZZZZZZ			15:39																				
ZZZZZZ			15:40																				
ZZZZZZ			15:41																				
ZZZZZZ			15:42																				
ZZZZZZ			15:43																				
ZZZZZZ			15:44																				
ZZZZZZ			15:45																				
ZZZZZZ			15:46																				
CCV 460-965662/8-A	1		15:46	X																			
CCB 460-965699/120	1		15:49	X																			
460-300430-2	1	T	15:50	X																			
460-300430-3	1	T	15:51	X																			
460-300430-1	1	T	15:52	X																			

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/24/2024 13:41 End Date: 03/24/2024 16:47

Lab Sample ID	D/F	Type	Time	Analytes																			
				CN																			
460-300430-1 MS	1	T	15:53	X																			
460-300430-1 MSD	1	T	15:54	X																			
ZZZZZZ			15:55																				
ZZZZZZ			15:55																				
ZZZZZZ			15:56																				
ZZZZZZ			15:57																				
ZZZZZZ			15:58																				
CCV 460-965662/8-A	1		15:59	X																			
CCB 460-965699/132	1		16:02	X																			
ZZZZZZ			16:03																				
ZZZZZZ			16:04																				
ZZZZZZ			16:04																				
ZZZZZZ			16:05																				
ZZZZZZ			16:06																				
ZZZZZZ			16:07																				
ZZZZZZ			16:08																				
ZZZZZZ			16:09																				
ZZZZZZ			16:10																				
ZZZZZZ			16:11																				
CCV 460-965662/8-A			16:11																				
CCB 460-965699/144			16:14																				
ZZZZZZ			16:15																				
ZZZZZZ			16:16																				
ZZZZZZ			16:17																				
ZZZZZZ			16:18																				
ZZZZZZ			16:19																				
ZZZZZZ			16:20																				
ZZZZZZ			16:21																				
ZZZZZZ			16:21																				
ZZZZZZ			16:22																				
ZZZZZZ			16:23																				
CCV 460-965662/8-A			16:24																				
CCB 460-965699/156			16:27																				
ZZZZZZ			16:28																				
ZZZZZZ			16:29																				
ZZZZZZ			16:29																				
ZZZZZZ			16:30																				
ZZZZZZ			16:31																				
ZZZZZZ			16:32																				
ZZZZZZ			16:33																				
ZZZZZZ			16:34																				

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Instrument ID: Lachat3 Method: 9012B

Start Date: 03/24/2024 13:41 End Date: 03/24/2024 16:47

Lab Sample ID	D / F	Type	Time	Analytes																			
				CN																			
ZZZZZZ			16:35																				
ZZZZZZ			16:36																				
CCV 460-965662/8-A			16:37																				
CCB 460-965699/168			16:39																				
ZZZZZZ			16:40																				
ZZZZZZ			16:41																				
CCV 460-965662/8-A			16:44																				
CCB 460-965699/172			16:47																				

Prep Types

T = Total/NA

Original Run Filename: OM_3-24-2024_01-40-58PM.OMN Created: 3/24/2024 1:40:58 PM
Original Run Author's Signature: [EdiLachat]
Current Run Filename: OM_3-24-2024_01-40-58PM.OMN Last Modified: 3/24/2024 4:49:18 PM
Current Run Author's Signature: [EdiLachat]
Description: Default New Run

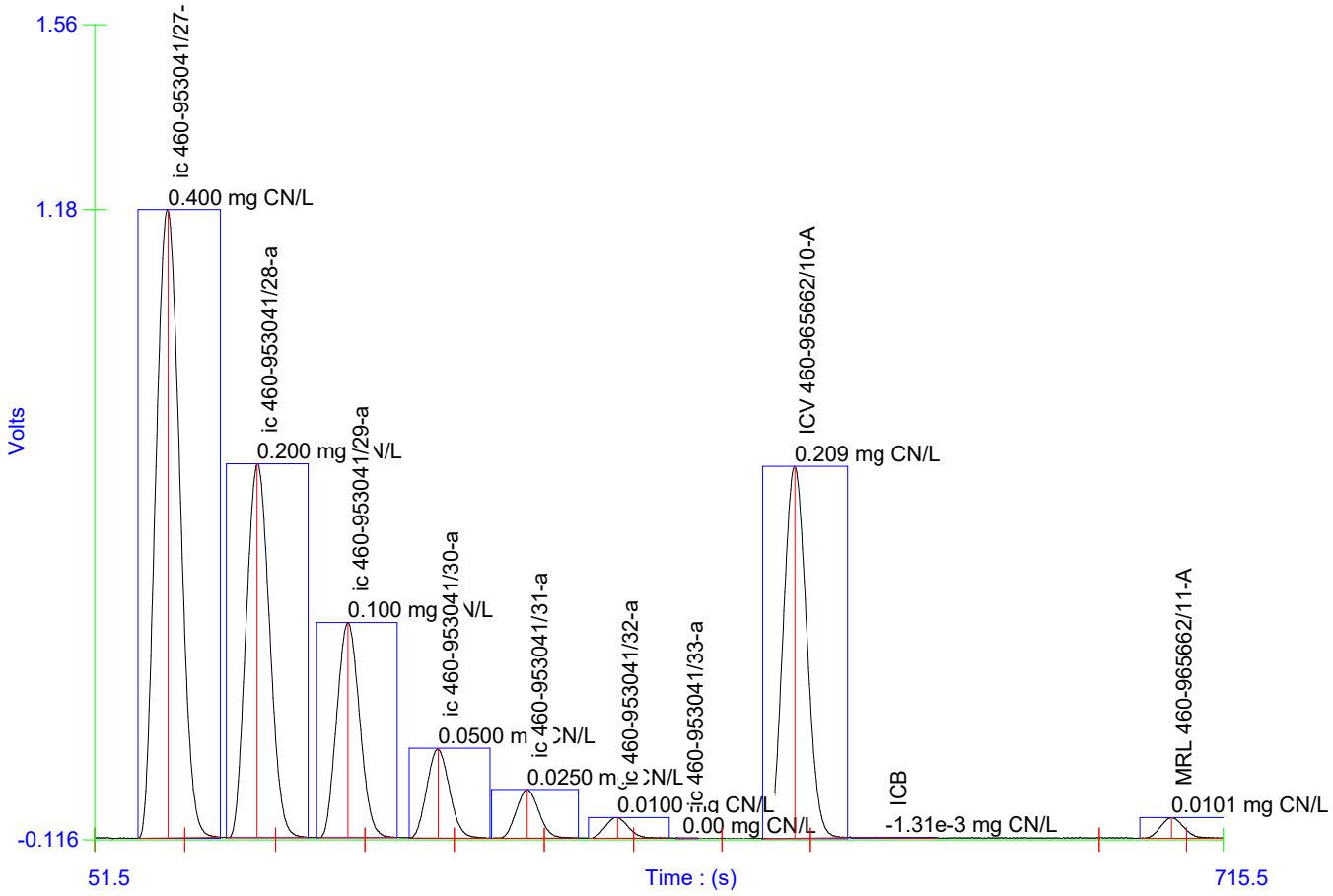
Sample	Cup No.	Channel 1 Cyanide		Detection Time
		Conc. (mg CN/L)	Area (V.s)	
ic 460-953041/27-a	1	0.400	21.0	3/24/2024@1:41:52 PM
ic 460-953041/28-a	2	0.200	12.1	3/24/2024@1:42:45 PM
ic 460-953041/29-a	3	0.100	6.85	3/24/2024@1:43:39 PM
ic 460-953041/30-a	4	0.0500	2.80	3/24/2024@1:44:32 PM
ic 460-953041/31-a	5	0.0250	1.52	3/24/2024@1:45:25 PM
ic 460-953041/32-a	6	0.0100	0.666	3/24/2024@1:46:17 PM
ic 460-953041/33-a	7	0.00	-6.64e-3	3/24/2024@1:47:10 PM
ICV 460-965662/10-A	8	0.209	12.0	3/24/2024@1:48:02 PM
Calibration:		Table/Fig. : 1		
ICB	9	-1.31e-3	4.28e-4	3/24/2024@1:48:54 PM
MRL 460-965662/11-A	10	0.0101	0.655	3/24/2024@1:51:45 PM
CCV	S8	0.205	11.8	3/24/2024@1:52:36 PM
Known Conc:		0.200		
CCB	S9	-7.51e-4	0.0327	3/24/2024@1:55:28 PM
Known Conc:		0.00		
MB 460-965480/1-A	11	-1.57e-3	-0.0142	3/24/2024@1:56:20 PM
LCSSRM 460-965480/2-A @ 20	12	0.171	9.88	3/24/2024@1:57:11 PM
460-300324-E-2-F	13	2.58e-4	0.0906	3/24/2024@1:58:03 PM
460-300324-E-2-G MS	14	0.0917	5.33	3/24/2024@1:58:55 PM
460-300324-E-2-H MSD	15	0.0764	4.45	3/24/2024@1:59:46 PM
460-300324-E-3-F	16	8.63e-4	0.125	3/24/2024@2:00:40 PM
460-300324-E-4-F	17	6.81e-3	0.466	3/24/2024@2:01:33 PM
460-300324-E-5-F	18	1.67e-3	0.172	3/24/2024@2:02:26 PM
460-300324-E-6-F	19	7.32e-3	0.495	3/24/2024@2:03:20 PM
460-300324-E-7-F	20	-3.69e-4	0.0546	3/24/2024@2:04:13 PM
CCV	S8	0.204	11.8	3/24/2024@2:05:05 PM
Known Conc:		0.200		
CCB	S9	-4.57e-4	0.0496	3/24/2024@2:07:56 PM
Known Conc:		0.00		
460-300324-E-8-F	21	6.25e-3	0.434	3/24/2024@2:08:49 PM
460-300324-E-9-F	22	7.61e-4	0.119	3/24/2024@2:09:42 PM
460-300324-E-10-F	23	8.55e-4	0.125	3/24/2024@2:10:34 PM
460-300324-E-11-F	24	-2.19e-4	0.0632	3/24/2024@2:11:26 PM
460-300324-E-12-H	25	-7.62e-4	0.0321	3/24/2024@2:12:18 PM
460-300324-E-12-I MS	26	0.216	12.5	3/24/2024@2:13:10 PM
460-300324-E-12-J MSD	27	0.210	12.1	3/24/2024@2:14:02 PM
460-300324-E-13-F	28	9.56e-4	0.131	3/24/2024@2:14:53 PM
460-300324-E-14-F	29	-5.06e-5	0.0729	3/24/2024@2:15:45 PM
460-300324-E-15-F	30	2.84e-4	0.0920	3/24/2024@2:16:37 PM
CCV	S8	0.204	11.8	3/24/2024@2:17:29 PM
Known Conc:		0.200		
CCB	S9	-7.01e-4	0.0356	3/24/2024@2:20:21 PM
Known Conc:		0.00		
460-300324-E-16-F	31	1.95e-4	0.0869	3/24/2024@2:21:15 PM
460-300324-E-17-F	32	-9.66e-4	0.0204	3/24/2024@2:22:08 PM
460-300324-E-18-F	33	1.40e-3	0.156	3/24/2024@2:23:01 PM
460-300324-E-19-F	34	-4.76e-5	0.0730	3/24/2024@2:23:54 PM
460-300324-E-20-F	35	-3.00e-4	0.0586	3/24/2024@2:24:47 PM
460-300324-E-21-H	36	-2.40e-4	0.0620	3/24/2024@2:25:40 PM
MB 460-965482/1-A	37	-9.71e-4	0.0201	3/24/2024@2:26:32 PM
LCSSRM 460-965482/2-A @ 20	38	0.189	10.9	3/24/2024@2:27:25 PM
460-300324-E-22-F	39	1.43e-3	0.158	3/24/2024@2:28:17 PM
460-300324-E-22-G MS	40	0.225	12.9	3/24/2024@2:29:09 PM
CCV	S8	0.202	11.6	3/24/2024@2:30:01 PM
Known Conc:		0.200		
CCB	S9	-6.41e-4	0.0390	3/24/2024@2:32:51 PM
Known Conc:		0.00		
460-300324-E-22-H MSD	41	0.222	12.8	3/24/2024@2:33:44 PM

460-300324-E-23-F	42	1.36e-4	0.0835	3/24/2024@2:34:35 PM
460-300324-E-24-F	43	2.25e-4	0.0887	3/24/2024@2:35:27 PM
460-300324-E-25-F	44	-1.38e-4	0.0678	3/24/2024@2:36:18 PM
460-300324-E-26-F	45	-2.60e-4	0.0609	3/24/2024@2:37:10 PM
460-300324-E-27-F	46	-3.87e-4	0.0536	3/24/2024@2:38:03 PM
460-300324-E-28-F	47	-5.32e-4	0.0453	3/24/2024@2:38:58 PM
460-300324-E-29-F	48	-1.45e-4	0.0675	3/24/2024@2:39:51 PM
460-300324-E-30-F	49	6.38e-4	0.112	3/24/2024@2:40:44 PM
460-300326-B-1-L	50	3.00e-3	0.248	3/24/2024@2:41:36 PM
CCV	S8	0.202	11.6	3/24/2024@2:42:28 PM
Known Conc:		0.200		
CCB	S9	-6.01e-4	0.0413	3/24/2024@2:45:19 PM
Known Conc:		0.00		
460-300326-B-2-H	51	1.80e-3	0.179	3/24/2024@2:46:12 PM
460-300326-B-2-I MS	52	0.220	12.7	3/24/2024@2:47:05 PM
460-300326-B-2-J MSD	53	0.218	12.6	3/24/2024@2:47:57 PM
460-300326-B-3-H	54	-2.14e-4	0.0635	3/24/2024@2:48:49 PM
460-300326-B-4-H	55	2.51e-3	0.220	3/24/2024@2:49:41 PM
460-300326-B-5-H	56	-6.67e-4	0.0375	3/24/2024@2:50:32 PM
460-300326-B-6-H	57	1.04e-3	0.135	3/24/2024@2:51:24 PM
460-300326-B-7-J	58	-1.20e-4	0.0689	3/24/2024@2:52:16 PM
460-300326-B-9-H	59	-8.33e-4	0.0280	3/24/2024@2:53:08 PM
460-300326-B-10-H	60	-2.98e-4	0.0587	3/24/2024@2:53:59 PM
CCV	S8	0.201	11.6	3/24/2024@2:54:52 PM
Known Conc:		0.200		
CCB	S9	-3.62e-4	0.0550	3/24/2024@2:57:43 PM
Known Conc:		0.00		
460-300326-B-11-L	61	-4.58e-4	0.0495	3/24/2024@2:58:36 PM
460-300329-A-1-A	62	0.0184	1.13	3/24/2024@2:59:29 PM
MB 460-965661/1-A	63	-1.24e-3	4.62e-3	3/24/2024@3:00:22 PM
LCSSRM 460-965661/2-A @ 20	64	0.157	9.06	3/24/2024@3:01:15 PM
460-300025-F-1-I	68	3.13e-3	0.255	3/24/2024@3:02:08 PM
460-300025-F-1-J MS	66	0.207	11.9	3/24/2024@3:03:01 PM
460-300025-F-1-K MSD	67	0.205	11.8	3/24/2024@3:03:53 PM
460-300025-F-2-F	68	3.05e-3	0.250	3/24/2024@3:04:46 PM
460-300025-E-3-G	69	6.91e-3	0.471	3/24/2024@3:05:38 PM
460-300025-E-4-D	70	6.19e-3	0.431	3/24/2024@3:06:30 PM
CCV	S8	0.202	11.6	3/24/2024@3:07:22 PM
Known Conc:		0.200		
CCB	S9	-5.18e-4	0.0461	3/24/2024@3:10:13 PM
Known Conc:		0.00		
460-300025-F-5-F	71	0.0105	0.679	3/24/2024@3:11:05 PM
460-300477-A-1-D	72	7.62e-4	0.119	3/24/2024@3:11:57 PM
460-300477-A-2-D	73	-2.15e-4	0.0635	3/24/2024@3:12:49 PM
460-300395-B-1-F	74	3.88e-3	0.298	3/24/2024@3:13:41 PM
460-300395-B-2-F	75	-3.34e-4	0.0566	3/24/2024@3:14:33 PM
460-300395-B-5-E	76	-7.09e-4	0.0351	3/24/2024@3:15:26 PM
460-300395-B-4-T	77	8.24e-3	0.548	3/24/2024@3:16:19 PM
460-300395-B-4-U MS	78	0.183	10.6	3/24/2024@3:18:36 PM
460-300395-B-4-V MSD	79	0.187	10.8	3/24/2024@3:20:18 PM
460-300395-B-6-E	80	1.05e-3	0.136	3/24/2024@3:21:10 PM
CCV	S8	0.202	11.6	3/24/2024@3:22:03 PM
Known Conc:		0.200		
CCB	S9	-5.85e-4	0.0422	3/24/2024@3:24:54 PM
Known Conc:		0.00		
460-300395-B-7-E	81	3.80e-3	0.294	3/24/2024@3:25:47 PM
460-300395-B-8-E	82	1.18e-3	0.143	3/24/2024@3:26:39 PM
460-300395-B-9-F	83	7.67e-4	0.120	3/24/2024@3:27:32 PM
460-300395-B-10-E	84	2.12e-3	0.197	3/24/2024@3:28:24 PM
460-300395-B-12-E	85	1.56e-3	0.165	3/24/2024@3:29:16 PM
460-300173-C-4-A	86	1.87e-4	0.0865	3/24/2024@3:30:08 PM
460-300173-C-5-A	87	-6.37e-4	0.0392	3/24/2024@3:31:00 PM
460-300173-C-6-B	88	5.19e-3	0.373	3/24/2024@3:31:52 PM
MB 460-965662/12-A	89	-9.56e-4	0.0210	3/24/2024@3:32:43 PM
LCS 460-965662/13-A	90	0.108	6.24	3/24/2024@3:33:35 PM
CCV	S8	0.202	11.7	3/24/2024@3:34:28 PM
Known Conc:		0.200		
CCB	S9	-1.49e-3	-9.56e-3	3/24/2024@3:37:19 PM

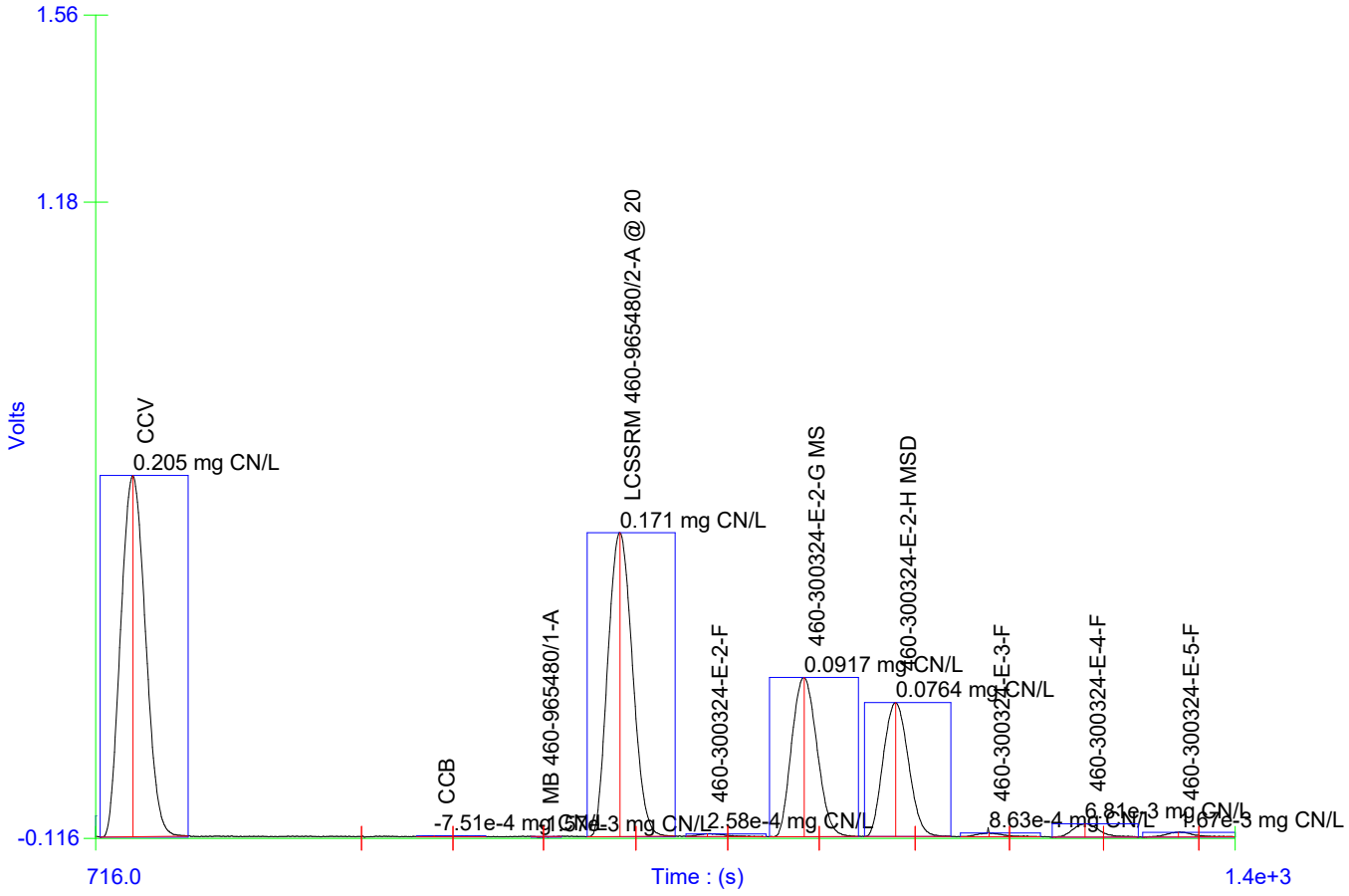
	Known Conc:	0.00		
460-300295-H-2-A	91	7.31e-4	0.118	3/24/2024@3:38:12 PM
460-300295-H-2-B MS	92	0.205	11.8	3/24/2024@3:39:06 PM
460-300295-H-2-C MSD	93	0.188	10.8	3/24/2024@3:39:59 PM
460-300301-E-2-A	94	-5.65e-4	0.0434	3/24/2024@3:40:52 PM
620-17331-A-4-A	95	4.44e-3	0.330	3/24/2024@3:41:44 PM
620-17331-A-2-A	96	-6.32e-4	0.0396	3/24/2024@3:42:37 PM
460-300025-B-7-A	97	1.66e-3	0.171	3/24/2024@3:43:30 PM
460-300054-F-1-A	98	1.30e-3	0.150	3/24/2024@3:44:22 PM
620-17433-E-2-A	99	3.96e-3	0.302	3/24/2024@3:45:14 PM
620-17435-E-2-A	100	0.0950	5.52	3/24/2024@3:46:06 PM
CCV	S8	0.202	11.7	3/24/2024@3:46:57 PM
	Known Conc:	0.200		
CCB	S9	-2.38e-4	0.0621	3/24/2024@3:49:49 PM
	Known Conc:	0.00		
460-300430-I-2-A	101	1.19e-3	0.144	3/24/2024@3:50:41 PM
460-300430-I-3-A	102	1.56e-3	0.165	3/24/2024@3:51:35 PM
460-300430-I-1-A	103	7.13e-3	0.485	3/24/2024@3:52:27 PM
460-300430-I-1-B MS	104	0.207	11.9	3/24/2024@3:53:19 PM
460-300430-I-1-C MSD	105	0.227	13.1	3/24/2024@3:54:11 PM
460-300395-D-3-A	106	1.66e-3	0.171	3/24/2024@3:55:05 PM
460-300296-H-2-A	107	2.24e-3	0.204	3/24/2024@3:55:58 PM
620-17434-E-2-A	108	0.175	10.1	3/24/2024@3:56:51 PM
460-300333-A-10-A	109	0.0806	4.70	3/24/2024@3:57:45 PM
620-17356-B-1-A	110	1.14e-3	0.141	3/24/2024@3:58:37 PM
CCV	S8	0.202	11.6	3/24/2024@3:59:29 PM
	Known Conc:	0.200		
CCB	S9	-5.11e-4	0.0465	3/24/2024@4:02:20 PM
	Known Conc:	0.00		
460-300208-A-1-A	111	-4.83e-4	0.0481	3/24/2024@4:03:13 PM
620-17389-M-1-A	112	0.0157	0.977	3/24/2024@4:04:06 PM
620-17389-M-2-A	113	8.24e-3	0.548	3/24/2024@4:04:58 PM
620-17387-A-2-A	114	2.56e-3	0.223	3/24/2024@4:05:50 PM
MB 460-965665/1-A	115	-1.01e-3	0.0177	3/24/2024@4:06:43 PM
LCS 460-965665/2-A	116	0.101	5.88	3/24/2024@4:07:35 PM
570-176212-D-1-D	117	0.106	6.16	3/24/2024@4:08:28 PM
570-176212-D-1-E MS	118	0.302	17.4	3/24/2024@4:09:20 PM
570-176212-D-1-F MSD	119	0.307	17.7	3/24/2024@4:10:12 PM
570-176212-D-2-B	120	0.0708	4.13	3/24/2024@4:11:05 PM
CCV	S8	0.202	11.6	3/24/2024@4:11:57 PM
	Known Conc:	0.200		
CCB	S9	-4.85e-4	0.0480	3/24/2024@4:14:49 PM
	Known Conc:	0.00		
570-176212-D-3-B	121	5.56e-3	0.394	3/24/2024@4:15:43 PM
570-176212-D-4-B	122	0.105	6.08	3/24/2024@4:16:37 PM
570-176214-D-1-B	123	0.0307	1.83	3/24/2024@4:17:28 PM
570-176214-D-2-B	124	7.59e-3	0.511	3/24/2024@4:18:22 PM
570-176214-D-3-B	125	-9.70e-5	0.0702	3/24/2024@4:19:15 PM
570-176214-D-4-B	126	7.09e-3	0.482	3/24/2024@4:20:08 PM
570-176214-D-5-B	127	2.75e-3	0.233	3/24/2024@4:21:00 PM
570-176214-D-6-B	128	4.20e-3	0.316	3/24/2024@4:21:53 PM
570-176214-D-7-B	129	2.20e-3	0.202	3/24/2024@4:22:45 PM
570-176214-D-7-C MS	130	0.201	11.6	3/24/2024@4:23:37 PM
CCV	S8	0.204	11.8	3/24/2024@4:24:30 PM
	Known Conc:	0.200		
CCB	S9	-4.72e-4	0.0487	3/24/2024@4:27:21 PM
	Known Conc:	0.00		
570-176214-D-7-D MSD	131	0.189	10.9	3/24/2024@4:28:13 PM
570-176214-D-8-B	132	1.56e-3	0.165	3/24/2024@4:29:06 PM
570-176214-D-9-B	133	1.22e-3	0.146	3/24/2024@4:29:58 PM
570-176214-D-10-B	134	0.0162	1.00	3/24/2024@4:30:51 PM
570-176214-D-11-B	135	1.62e-3	0.169	3/24/2024@4:31:43 PM
570-176214-D-12-B	136	1.12e-3	0.140	3/24/2024@4:32:36 PM
570-176214-D-13-B	137	6.06e-3	0.423	3/24/2024@4:33:30 PM
570-176214-D-14-B	138	1.30e-3	0.150	3/24/2024@4:34:23 PM
570-176214-D-15-B	139	1.70e-3	0.173	3/24/2024@4:35:16 PM
620-17503-A-1-A	140	7.36e-3	0.497	3/24/2024@4:36:09 PM
CCV	S8	0.205	11.8	3/24/2024@4:37:01 PM

	Known Conc:	0.200		
CCB	S9	-1.30e-3	1.42e-3	3/24/2024@4:39:53 PM
	Known Conc:	0.00		
460-300324-E-2-G MS	14	0.214	12.3	3/24/2024@4:40:44 PM
460-300324-E-2-H MSD	15	0.222	12.8	3/24/2024@4:41:35 PM
CCV	S8	0.205	11.8	3/24/2024@4:44:27 PM
	Known Conc:	0.200		
CCB	S9	-5.77e-4	0.0427	3/24/2024@4:47:19 PM
	Known Conc:	0.00		

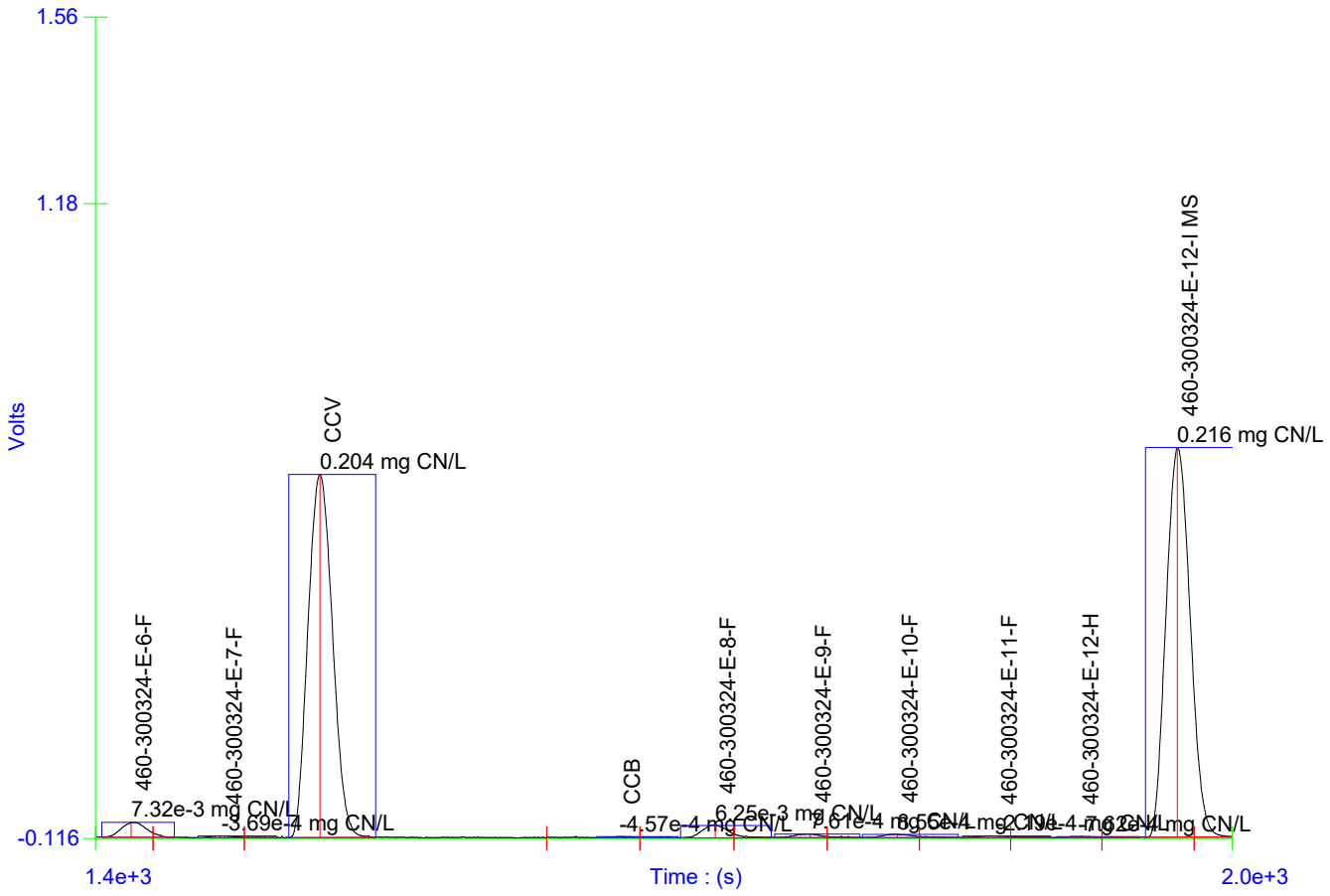
Channel 1 (Cyanide) - Set: 1 / 18



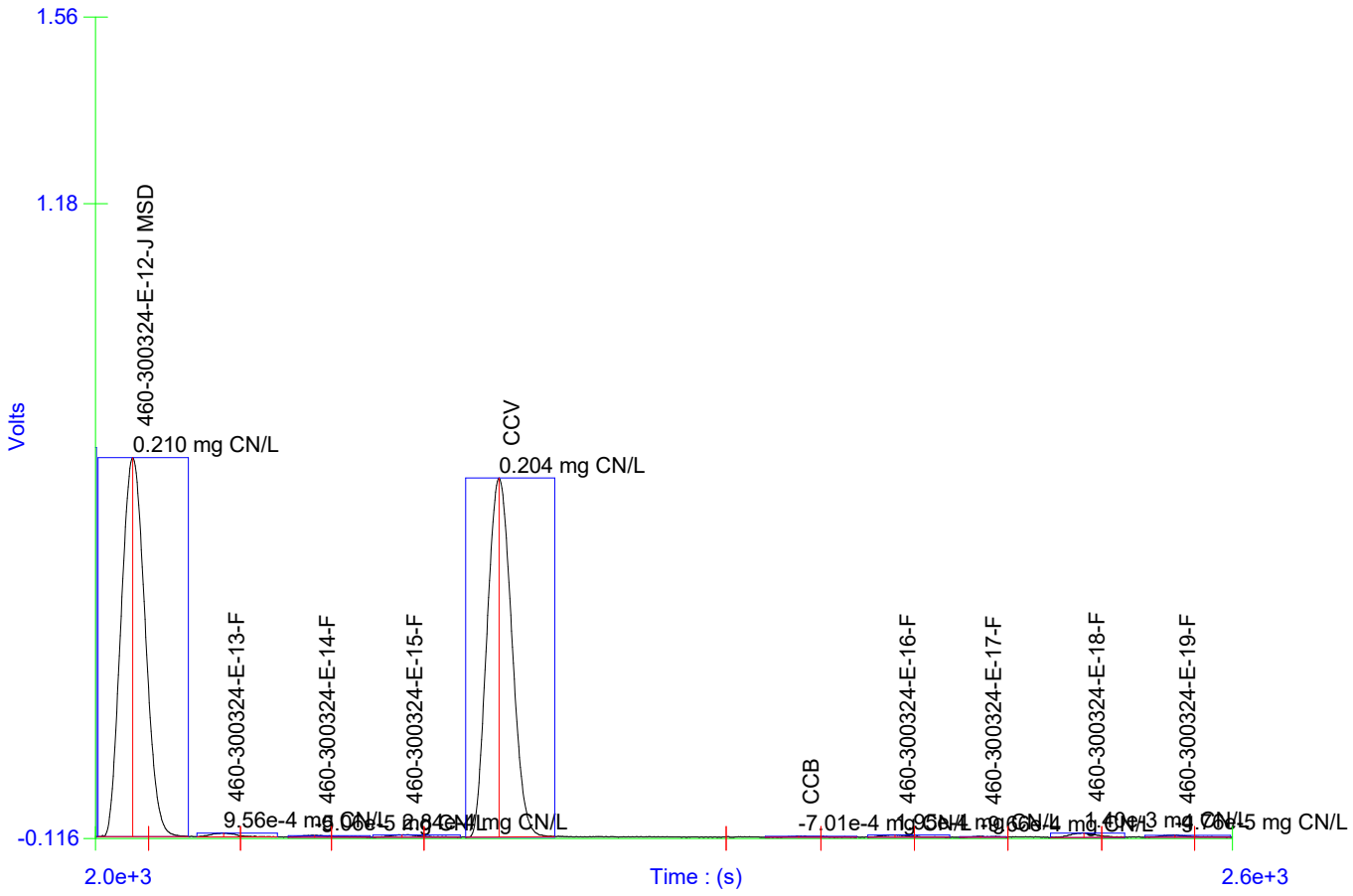
Channel 1 (Cyanide) - Set: 2 / 18



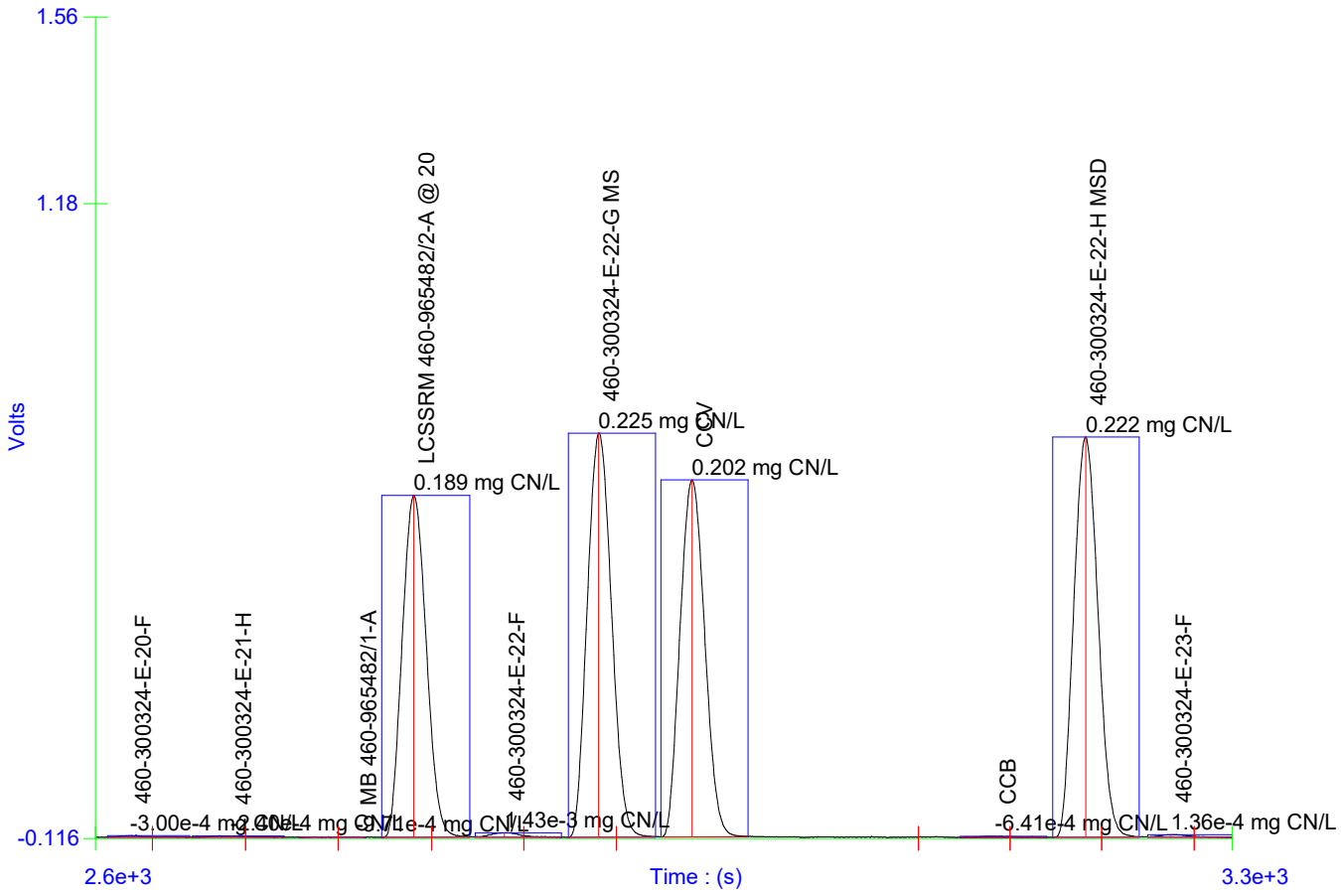
Channel 1 (Cyanide) - Set: 3 / 18



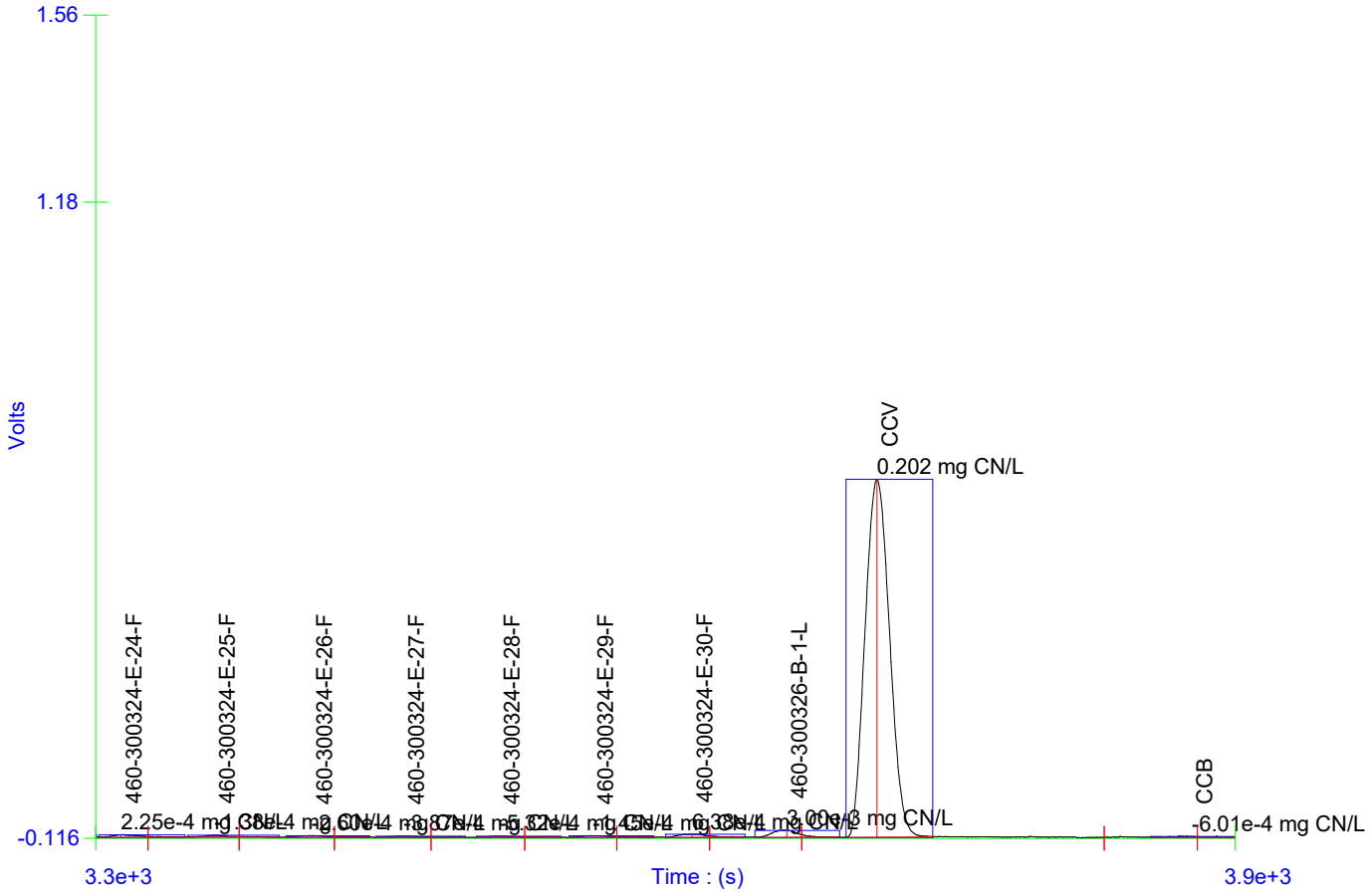
Channel 1 (Cyanide) - Set: 4 / 18



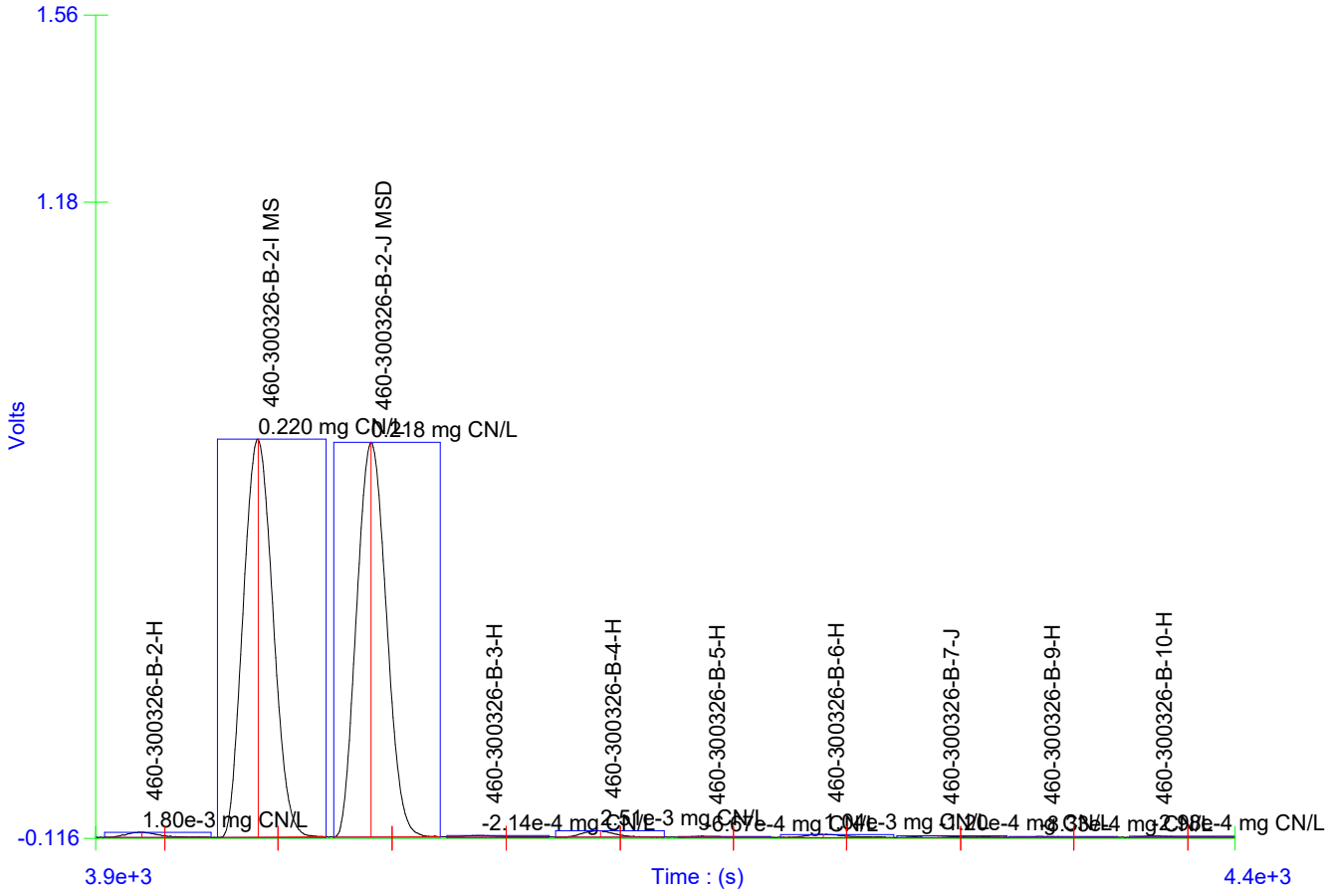
Channel 1 (Cyanide) - Set: 5 / 18



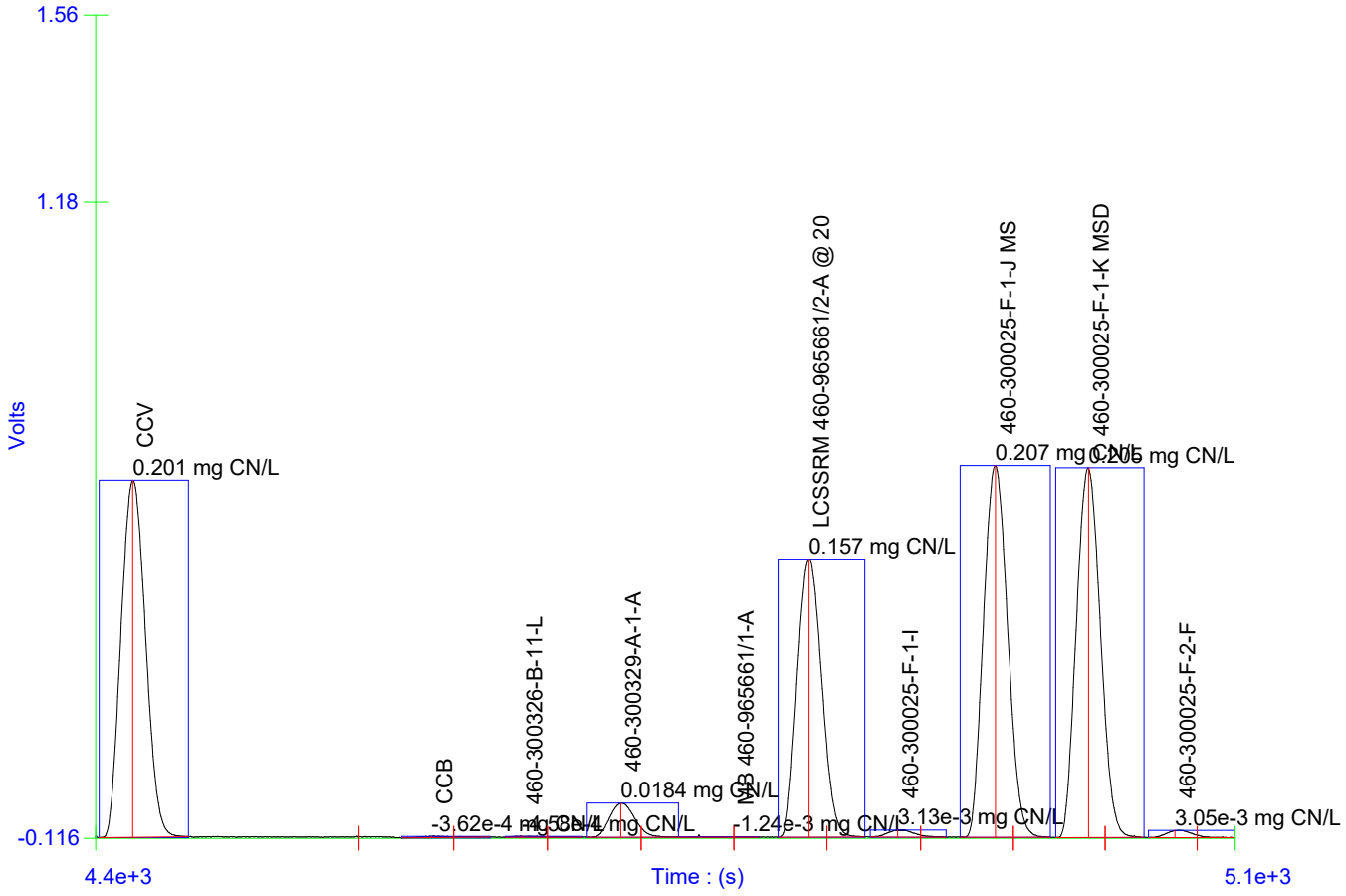
Channel 1 (Cyanide) - Set: 6 / 18



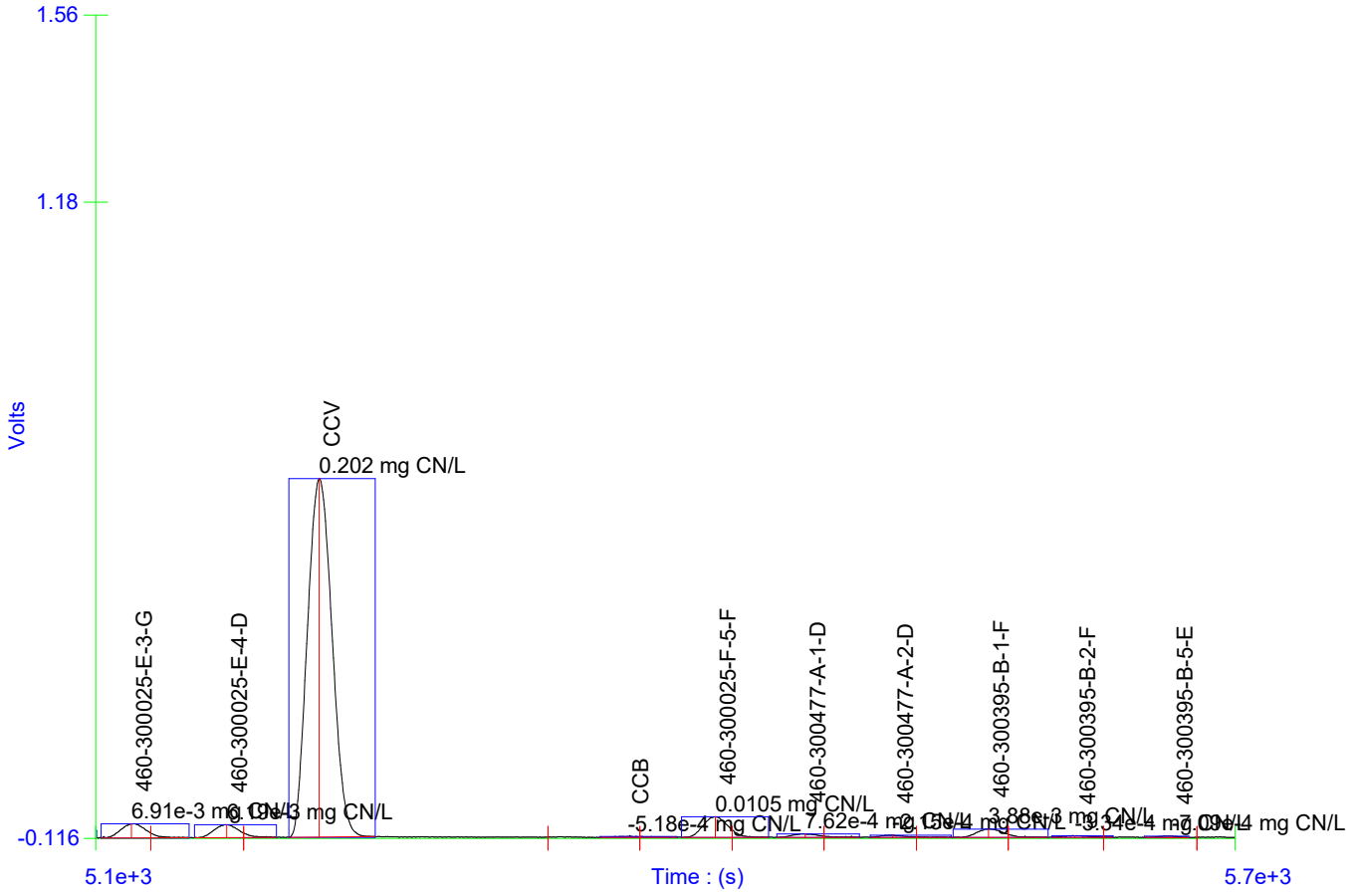
Channel 1 (Cyanide) - Set: 7 / 18



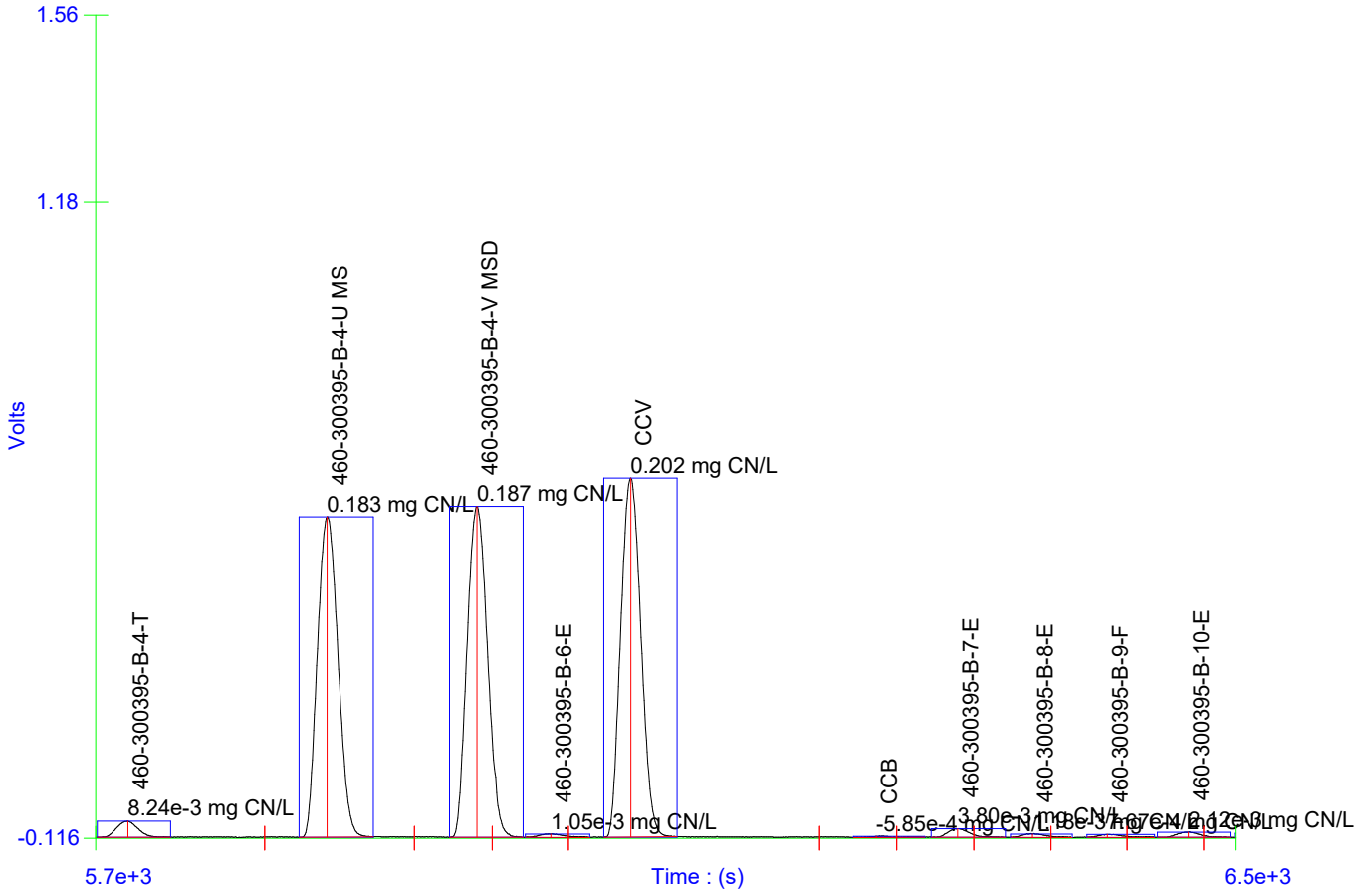
Channel 1 (Cyanide) - Set: 8 / 18



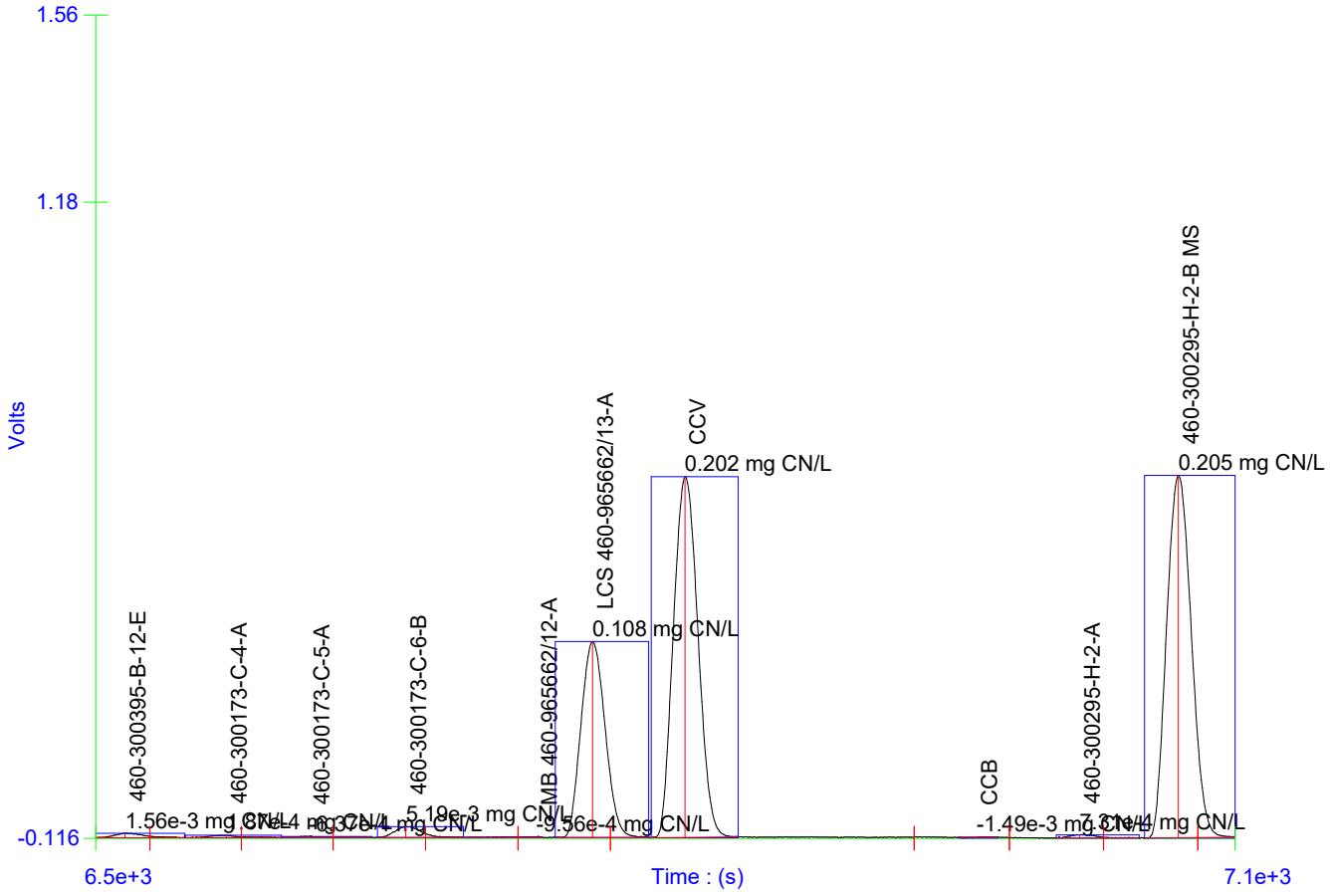
Channel 1 (Cyanide) - Set: 9 / 18



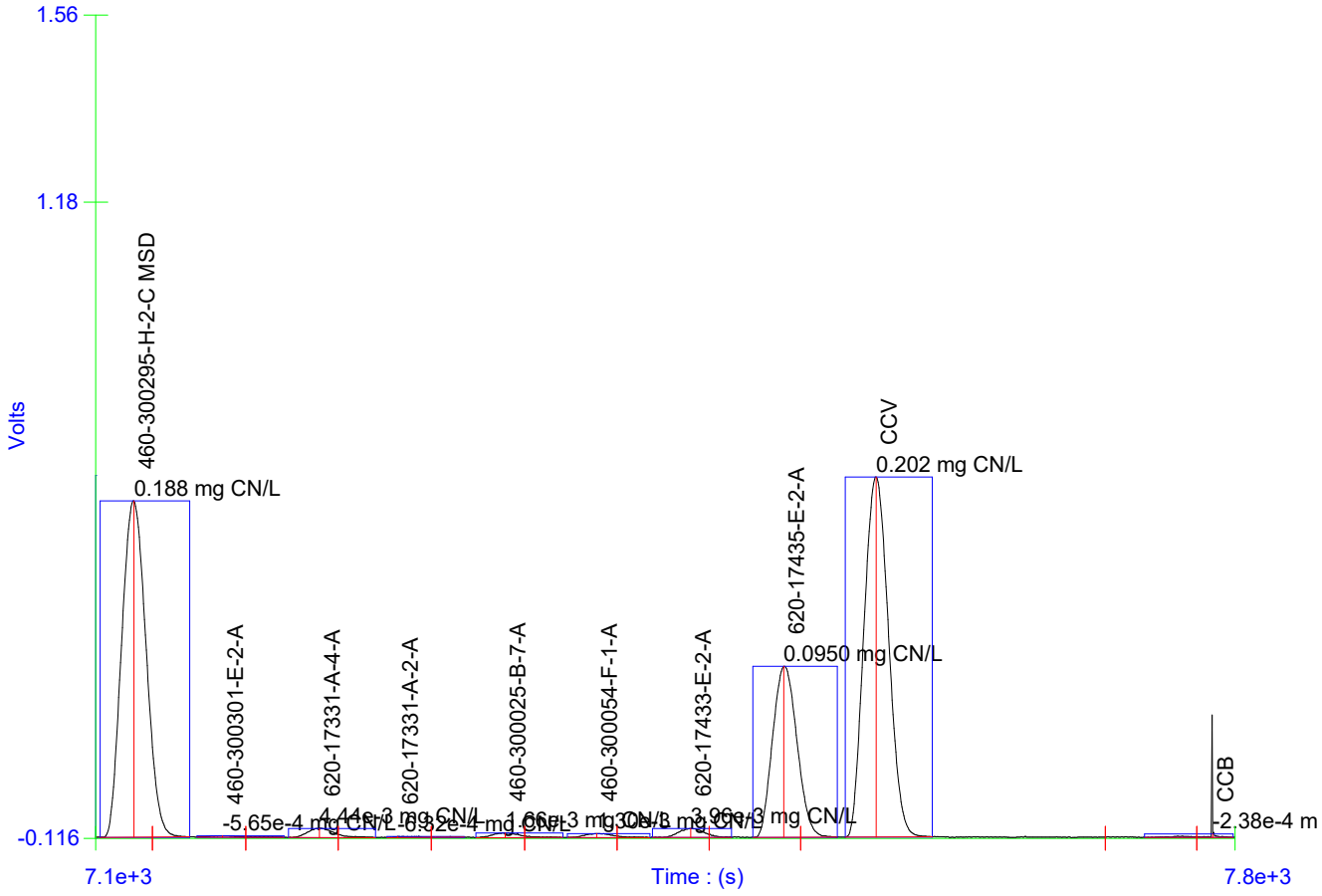
Channel 1 (Cyanide) - Set: 10 / 18



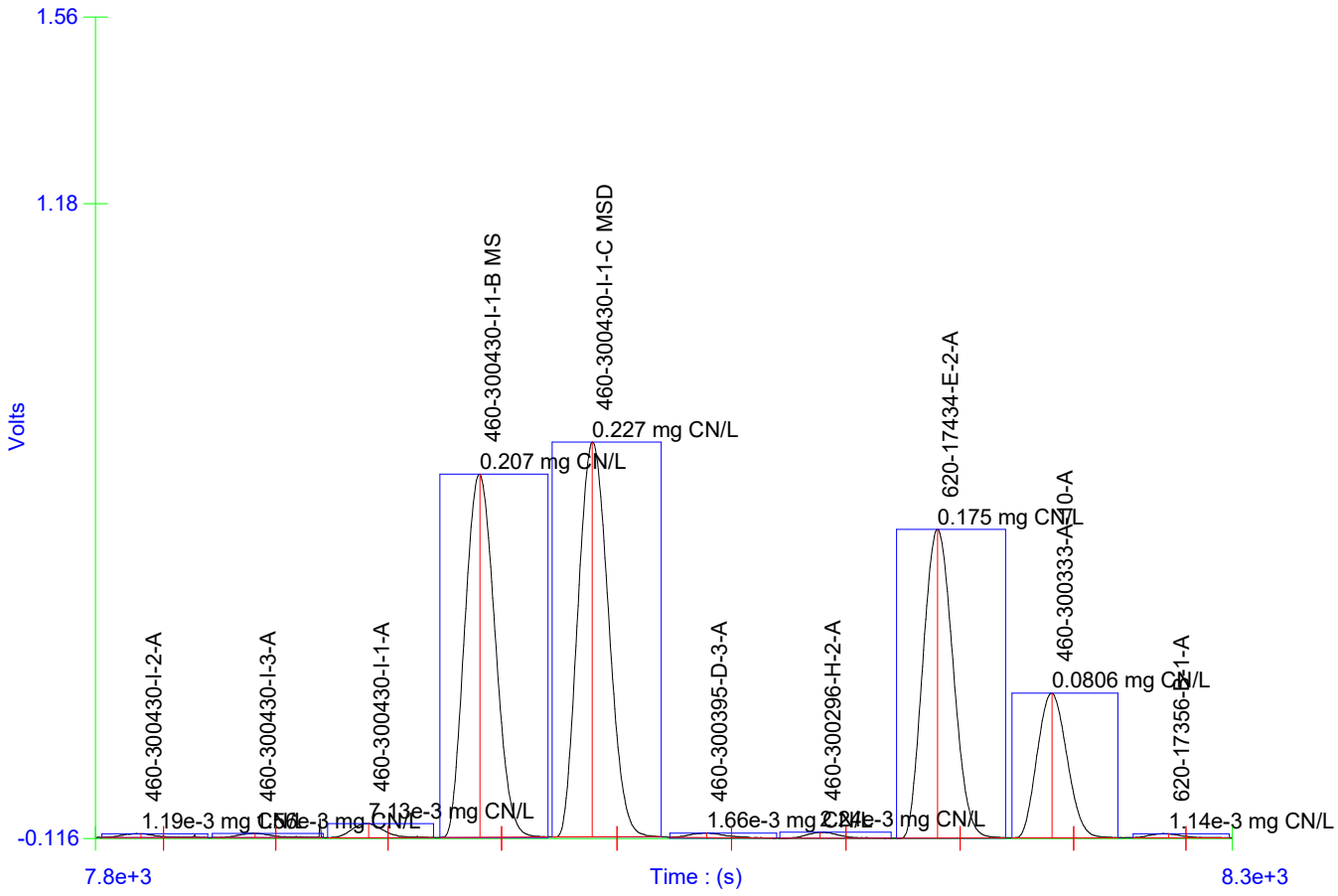
Channel 1 (Cyanide) - Set: 11 / 18



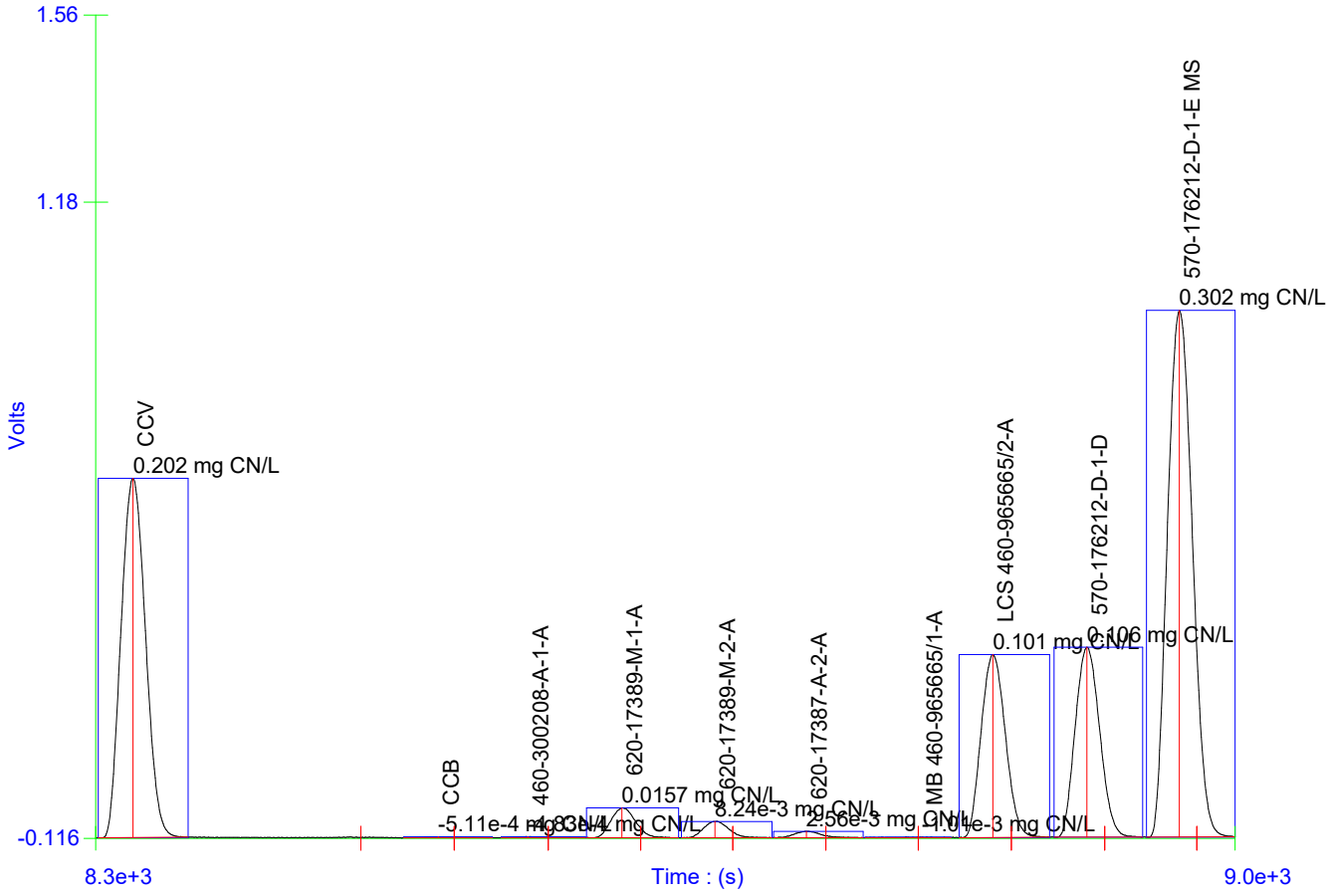
Channel 1 (Cyanide) - Set: 12 / 18



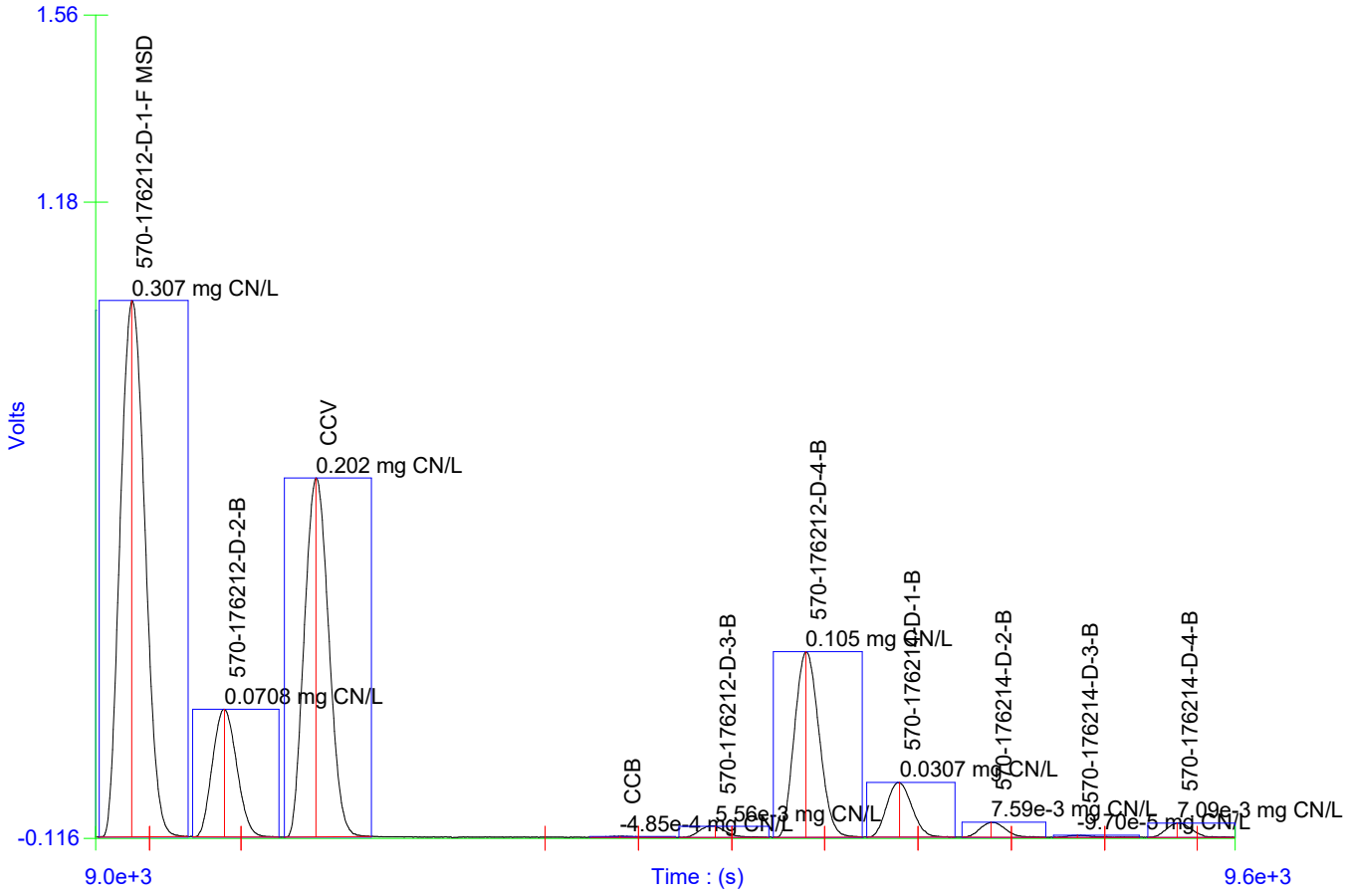
Channel 1 (Cyanide) - Set: 13 / 18



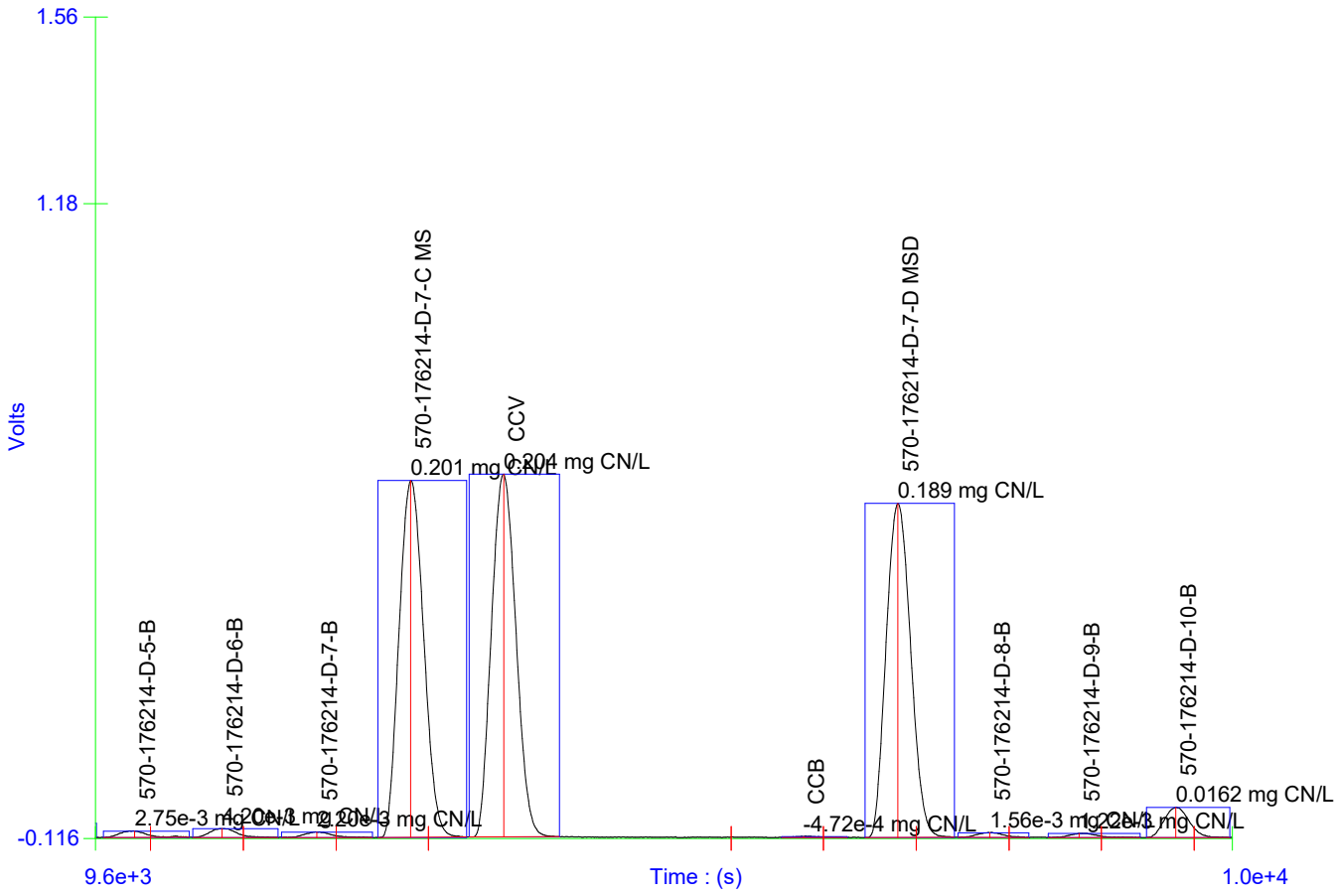
Channel 1 (Cyanide) - Set: 14 / 18



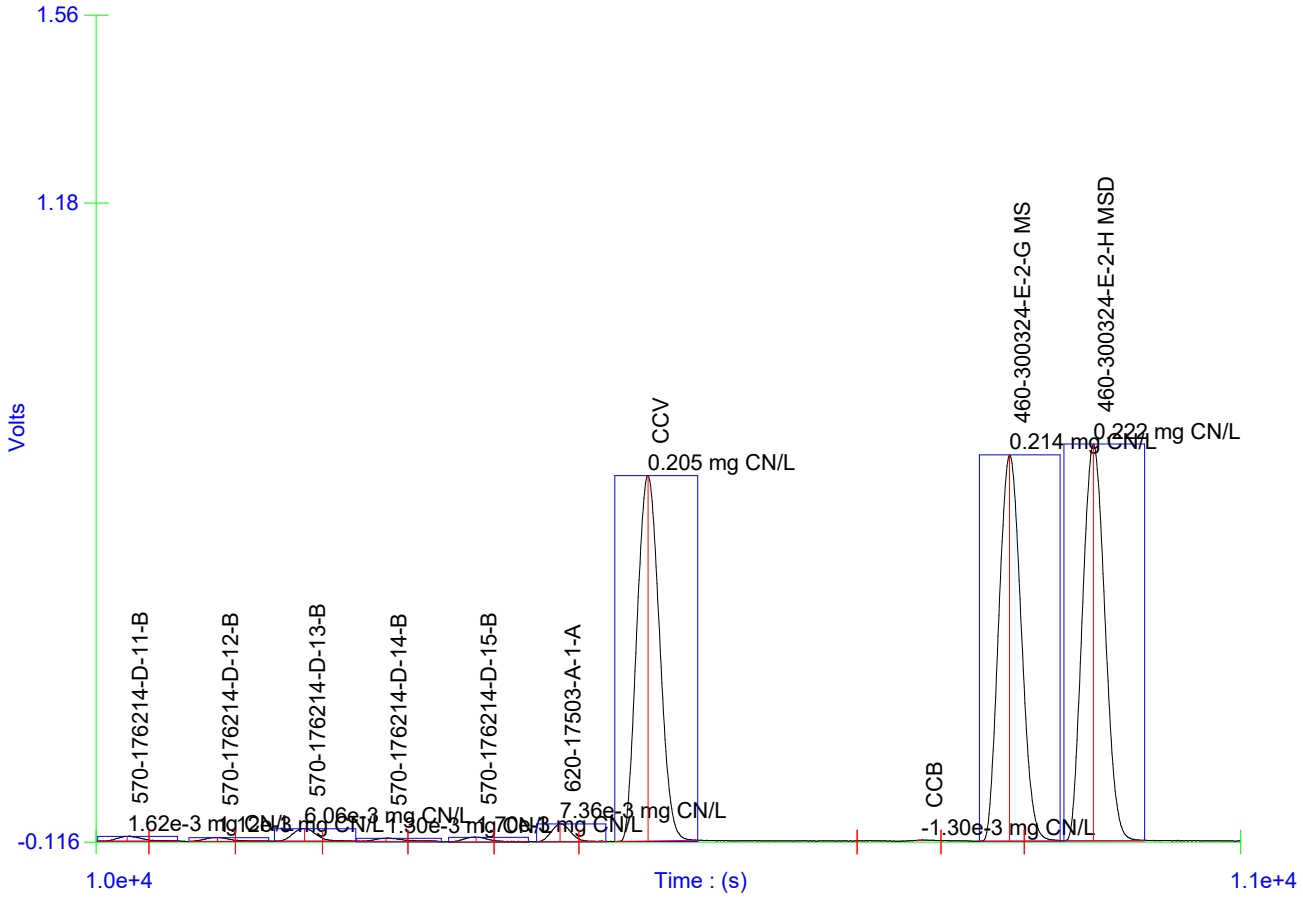
Channel 1 (Cyanide) - Set: 15 / 18



Channel 1 (Cyanide) - Set: 16 / 18



Channel 1 (Cyanide) - Set: 17 / 18



Channel 1 (Cyanide) - Set: 18 / 18

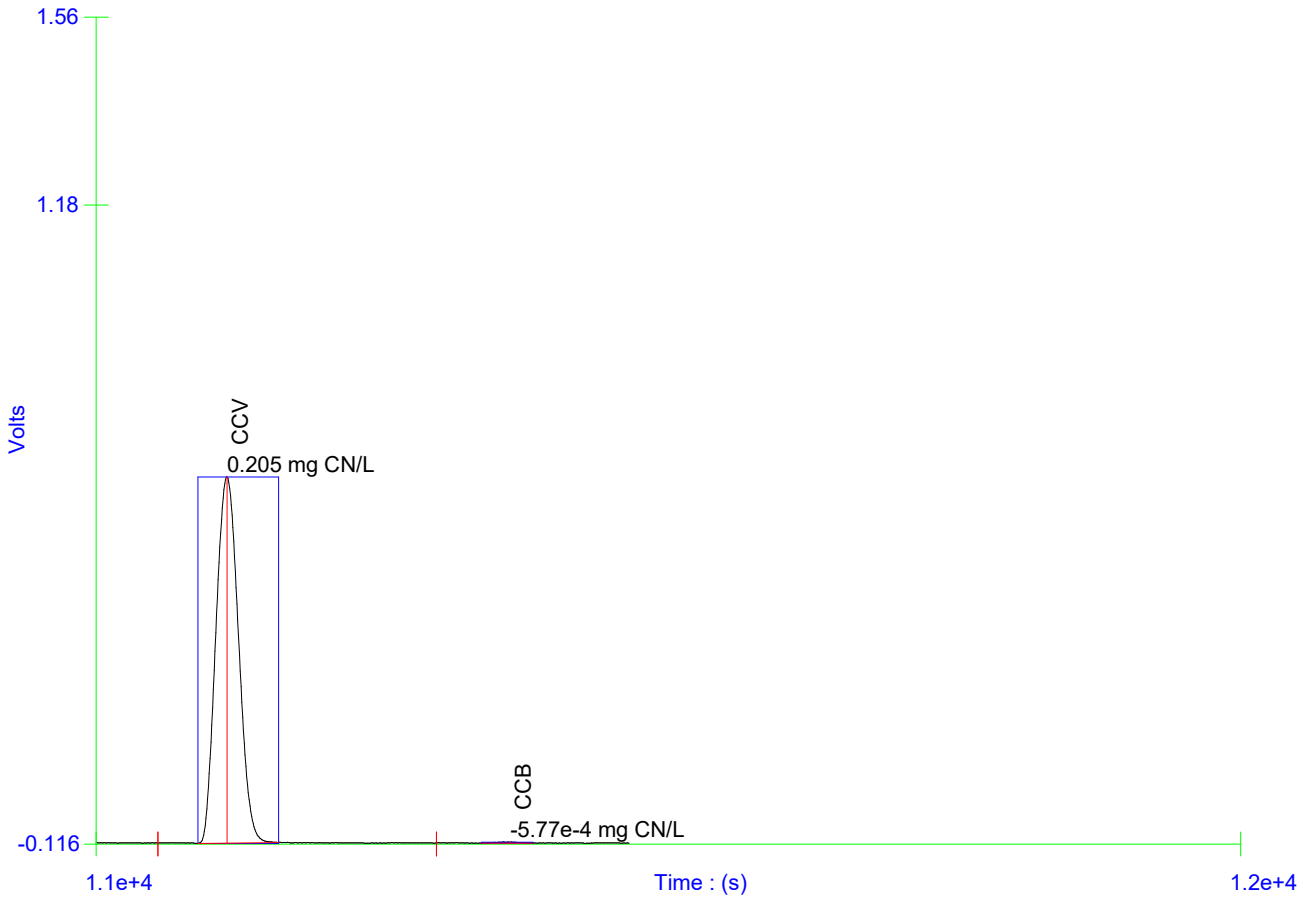
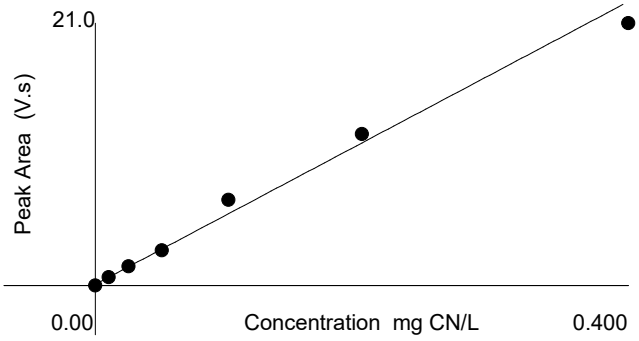


Table : 1 (Cyanide)

	Known Conc. (mg CN/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg CN/L)	Detection Date	Detection Time
1	0.400	1	21.0	1.29	0.0	7.6	0.366	3/24/2024	1:41:52 PM
2	0.200	1	12.1	0.768	0.0	-6.3	0.211	3/24/2024	1:42:45 PM
3	0.100	1	6.85	0.442	0.0	-19.1	0.118	3/24/2024	1:43:39 PM
4	0.0500	1	2.80	0.184	0.0	4.0	0.0476	3/24/2024	1:44:32 PM
5	0.0250	1	1.52	0.0998	0.0	-1.1	0.0253	3/24/2024	1:45:25 PM
6	0.0100	1	0.666	0.0429	0.0	-1.5	0.0103	3/24/2024	1:46:17 PM
7	0.00	1	-6.64e-3	-9.69e-4			-1.44e-3	3/24/2024	1:47:10 PM

Figure : 1 (Cyanide)



Area = 56.7 * Conc + 0.0894
Conc = 0.0175 * Area - 1.32e-3
Correlation Coefficient (r) = 0.99875

Weighting : 1/x

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965662 Batch Start Date: 03/24/24 12:08 Batch Analyst: Govekar, Vipul B

Batch Method: 9012B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	SulfideCheck	ChlorineCheck	DistillpHCheck	WTcn6ppm_ICV 01148
CCV 460-965662/8		9012B, 9012B			6.0 mL	6.0 mL			>12	
ICV 460-965662/10		9012B, 9012B			6.0 mL	6.0 mL			>12	0.2 mL
MRL 460-965662/11		9012B, 9012B			6.0 mL	6.0 mL			>12	
MB 460-965662/12		9012B, 9012B			6.0 mL	6.0 mL			>12	
LCS 460-965662/13		9012B, 9012B			6.0 mL	6.0 mL			>12	
460-300430-I-2	MW-15	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300430-I-3	MW-13	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300430-I-1	MW-18R	9012B, 9012B	Water	T	6.0 mL	6.0 mL	N	N	>12	
460-300430-I-1 MS	MW-18R	9012B, 9012B		T	6.0 mL	6.0 mL	N	N	>12	
460-300430-I-1 MSD	MW-18R	9012B, 9012B		T	6.0 mL	6.0 mL	N	N	>12	

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	WTcn6ppm_Pri 01171	WTcnCmplex-IM 01203				
CCV 460-965662/8		9012B, 9012B			0.2 mL					
ICV 460-965662/10		9012B, 9012B								
MRL 460-965662/11		9012B, 9012B			0.01 mL					
MB 460-965662/12		9012B, 9012B								
LCS 460-965662/13		9012B, 9012B				0.1 mL				
460-300430-I-2	MW-15	9012B, 9012B	Water	T						
460-300430-I-3	MW-13	9012B, 9012B	Water	T						
460-300430-I-1	MW-18R	9012B, 9012B	Water	T						
460-300430-I-1 MS	MW-18R	9012B, 9012B		T		0.2 mL				
460-300430-I-1 MSD	MW-18R	9012B, 9012B		T		0.2 mL				

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-300430-1

SDG No.:

Batch Number: 965662 Batch Start Date: 03/24/24 12:08 Batch Analyst: Govekar, Vipul B

Batch Method: 9012B Batch End Date:

Batch Notes	
Balance ID	#86
Pipette/Syringe/Dispenser ID	P-04 & P-89 & P-80
Thermometer ID	N2
Distillation Temperature	start temp 121 end temp 121 Degrees C
Sodium Hydroxide ID	C - 2441-24 Exp 09/09/24
Sulfamic Acid ID	C - 2460-24 Exp 09/17/24
Sulfuric Acid Reagent ID Number	C - 2459-24 Exp 09/17/24
Distillation Start Time	03/24/2024 10:30
Distillation End Time	03/24/2024 11:00

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Address. 322 3rd Ave
Brooklyn, NY

Chain of Custody Record

611555

eurofins | Environment Testing America

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TAL-8210

Client Contact	Project Manager: Lauren Bolsinko	Site Contact: Clayton Sawyer	Date: 3/20/2024	COC No: 1
Company Name: Roux P PC	Tel/Email. lbolsinko@roux-inc.com	Lab Contact: Melissa Hayes	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler: Clayton Sawyer
City/State/Zip: Islandia, NY, 11749	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day	Standard 5 Days		Lab Sampling:
Project Name: Powerhouse				Job / SDG No. 300430
Site:				
PO# 2705 0001400 9				

CAT B

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270E - TCL BNA	8082A - PCBs	7470A - Mercury (Low)	7471A Mercury	6020B RCRA 8 Metals	6020B Perchlorate (Low)	8260D TCL VOCs	9012B Cyanide, Total	Sample Specific Notes.
MW-18R	3/20/24	0800	G	W	10	N	N	X	X	X	X	X	X	X	X	
MW-15	3/20/24	0920	G	W	10	N	N	X	X	X	X	X	X	X	X	
MW-13	3/20/24	1105	G	W	10	N	N	X	X	X	X	X	X	X	X	

460-300430 Chain of Custody

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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH, 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

5-Day RUSH

Special Instructions/QC Requirements & Comments
CAT B

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp (°C): Obs'd._____ Corr'd._____ | Therm ID No._____

Relinquished by	Company	Date/Time	Received by	Company	Date/Time
[signature]	RUX	3/20/24 1347	[signature]	[signature]	3/20/24 1410
Relinquished by	Company	Date/Time	Received by	Company	Date/Time
			[signature]	[signature]	3/20/24 1800
Relinquished by	Company	Date/Time	Received in Laboratory by	Company	Date/Time
[signature]	[signature]	3/20/24 2000	Bharti	ETA	3/20 2000

3/20/2024 11:47:49 AM

16 20 3/20/2024

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 300490

Number of Coolers: 2 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	16 °C	20 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	20 °C	24 °C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				2											
2				2											
3				2											

If pH adjustments are required record the information below:

Sample No(s). adjusted _____

Preservative Name/Conc. _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: Lana Date: 3 20 24

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-300430-1

Login Number: 300430
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	