SESI
CONSULTING ENGINEERS

Geotechnical
Environmental
Site Civil

959 Route 46E, Fl 3, Ste 300
Parsippany, NJ 07054
973.808.9050
www.sesi.org

Supplemental Phase II Environmental Site Assessment

For:

Franklin Courts Coal Storage Site

1-99 Franklin Court

Tarrytown, New York 10591

Prepared for:

WBP Development LLC

SESI Project No:
12345

Date:
January 2024,
Updated April 2024

TABLE OF CONTENTS

TABLES

FIGURES

APPENDICES

APPENDIX A GEOPHYSICAL INVESTIGATION REPORT

APPENDIX B BORING LOGS

APPENDIX C LABORATORY ANALYTICAL DATA

1.0 INTRODUCTION

SESI Consulting Engineers (SESI) has conducted this Supplemental Phase II Environmental Site Assessment (Phase II ESA) on behalf of WBP Development LLC., for an approximately 7.4-acre irregularly shaped parcel located at 1-99 Franklin Court, Tarrytown, New York (the "Site"). The Site is identified on the Westchester County tax map records as map records as Block 29, Lot 32. A Site Location Map is presented as **Figure 1.1**. The Site is currently occupied by the Franklin Courts multifamily property improved with 14 residential buildings and one (1) recreational building.

This Supplemental Phase II ESA complies with the 2015 American Society for Testing and Materials Standard (ASTM E1903) and the New York State Department of Environmental Conservation (NYSDEC) Guidance Document for Site Investigations DER-10. The supplemental soil delineations and sampling were conducted as part of the proposed redevelopment plan for the Site that may involve additional townhomes, driving lanes and parking areas constructed on the Site.

1.1 SITE SETTING

The subject property consists of approximately 7.4 acres and contains Block 29, Lot 32. The subject property is bounded to the north by a multi-family residential apartment building at 50 White Street, to the east by Riverview Avenue and residential developments beyond, to the south by residential development along MacArthur Lane, and to the west by Warehouses and former railroad tracks.

1.2 SITE HISTORY

According to a Phase I Environmental Site Assessment prepared by AEI Consultants in June 2021, the Site was submerged by the Hudson River from 1897 to 1931. From 1932 to 1950 the Site appears as vacant land. In 1950 the northern portion of the Site is depicted as a coal yard with office, sheds, and an automobile garage. In 1970, the Site is developed with the current Franklin Court Apartments with 14 residential buildings and one (1) recreational building that were constructed between 1951 and 1952 according to historic images and deed records. In addition, AEI observed suspected heating oil vent pipes around the residential buildings 5 and 6 but noted that ground visibility was limited due to snow. AEI's review of Google Earth ® street imagery identified 20 additional suspected heating oil vent pipes throughout the Site.

The Underground Storage Tank Closure Report for Seven #2 Fuel Oil USTs, 50 White Street, Tarrytown, New York, prepared by Environmental Products & Services Inc. (EPS) documents the in-place abandonment of the seven (7) #2 fuel oil underground storage tanks (USTs) at Building 4 of the Site in May and June of 2001. USTs ranging in size from 275-gallons to 550-gallons were cut open, cleaned, and abandoned in place. The report noted several tanks were observed to be in poor condition with evidence of pitting and potential leaks. EPS notified the NYSDEC, and Spill Number 0102305 was assigned. EPS advanced three (3) soil borings that were converted to monitoring wells for investigation of the USTs. No evidence of petroleum impacts was observed. Results of groundwater sampling identified Methyl-tertiary-butyl ether (MTBE) at concentrations ranging from 68.1 ug/L to 112 ug/L, exceeding the NYSDEC AWQS. Follow-up groundwater monitoring conducted in March 2003 identified no exceedances of the AWQSs in the three (3) wells. According to the NYSDEC database, Spill Number 0102305 associated with the USTs was closed in October 2009.

SESI conducted a Phase II Environmental Site Assessment of the Site in March 2022. A total of 11 soil samples from 10 soil borings, four (4) groundwater samples, three (3) soil vapor samples, and one (1) ambient air sample were collected and analyzed. Analytical results of this investigation identified metals impacting soil exceeding the RRSCO in the northern portion of the Site at 5 ft-bgs where the water table is located, and lead level may be hazardous. RRSCO SVOC (PAHs) exceedances were also identified at 7 ft-bgs in the southern portion of the Site. USCO exceedances for some metals, SVOCs (PAHs) and pesticides were identified throughout the Site at depths up to 9 ft-bgs. PCB contamination exceeding the USCO was detected at the SB-3 (5') and SB-5 (9') soil sampling locations. Metal and SVOC (PAHs) exceedances of the AWQS were detected in all groundwater temporary wells. This may be due to coal storage leachate contamination that originated from the northern portion of the Site and migrated throughout the Site. PFAS (PFOA and/or PFOS) exceedances were identified in all four (4) temporary wells. Soil vapor testing indicates the presence of petroleum-related compounds. The low concentrations do not suggest a large petroleum release or releases. These detections may be related to residential #2 fuel oil USTs and/or automobile repair activities in the northern portion of the Site. There are also compounds in the soil gas that are typically associated with chlorinated solvents. The exceedances in the soil, and groundwater, and soil vapor detections reported during the May 2022 investigation were attributed to the historic coal storage facility and the automobile garage that existed prior to 1970, as well as the former and current abandoned in place residential

USTs at the Site that have also contributed to the presence of soil vapor petroleum compounds detections.

2.0 SUBSURFACE INVESTIGATION

SESI conducted this supplemental Phase II ESA in order to further evaluate subsurface conditions and determine the extent of soil contamination at the Site. The project included the installation of soil borings and soil sampling, installation of geotechnical borings and collection, and installation and sampling of soil vapor points. The field work was conducted between December 13th to 19th, 2023 in accordance with the Scope of Work and contract for services outlined in the Addendum No. 3 to the Professional Services Agreement (Agreement) dated November 30, 2023. Additional field work was conducted on March 7, 2024 in accordance with the Scope of Work as outlined in Addendum No. 4 Agreement dated February 15, 2024.

2.1 UTILITY CLEARANCE AND GEOPHYSICAL SURVEY

Prior to conducting subsurface drilling, SESI's drilling contractor contacted New York's utility mark-out system. In addition, SESI retained Coastal Environmental Solutions, Inc. (Coastal), a private utility locator, to locate underground utilities not included in the mark-out system check and to conduct a geophysical survey using ground penetrating radar (GPR) and electromagnetic (EM) detection. The GPR/EM surveying was performed each day in order to clear each soil boring, monitoring well and soil vapor locations, as well as to identify the locations of the USTs in the vicinity of each boring location. The geophysical investigation report from the December 2023 investigation is provided in **Appendix A**.

2.2 SITE INVESTIGATION

Twenty-one (21) soil borings were advanced using direct-push sampling equipment on the Site where historical operations are suspected to have occurred, and to delineate the soil borings installed as part of the March 2022 Site investigation. A total of 21 soil samples from 21 soil borings, one (1) groundwater sample and one (1) soil vapor sample were collected and analyzed at SGS North America Inc., a New York State Department of Health (NYSDOH) Environmental laboratory Accreditation Program (ELAP)-certified laboratory, located in Dayton, New Jersey. The Boring Location Plan is shown in **Figure 2.1**.

Soil and groundwater samples were analyzed for Target Compound List (TCL)/Target Analyte List (TAL) +30 list, which includes volatile organic compounds (VOCs) by EPA Method 8260, semi-VOCs (SVOCs) by EPA Method 8270, TAL metals, polychlorinated biphenyls (PCBs) by EPA Method 8082A, and pesticides by EPA Method 8081, in addition to cyanide. Additionally, the groundwater samples were analyzed for per and polyfluoroalkyl substances (PFAS) by EPA Method 1633. The soil vapor sample was analyzed for VOCs in accordance with EPA Method

TO-15. For quality assurance/quality control (QA/QC) purposes, a trip blank was sent with the collected samples for laboratory analysis daily and analyzed for VOCs. The soil samples were screened using a photoionization detector (PID), and visual and olfactory evidence of contamination. No PID readings above zero were recorded and no visual or olfactory evidence of impacts was observed during the field work.

Soil conditions within the borings consisted of brown coarse to fine sand with traces of clay and fine gravel to depth of 8 feet below ground surface (ft-bgs). These sands and gravel were underlain by silty clay and medium fine sand to depths of 15 ft-bgs. Groundwater was encountered at approximately 4 to 5 ft-bgs across the Site. PID readings and detailed soil descriptions are provided in the boring logs presented in **Appendix B**.

SESI mobilized to the Site again on March 7, 2024 to conduct additional soil sampling in the area of the southern hill portion of the property. Due to Site constraints, which included housing and fenced in areas, as well as the steep slope of the hill, SESI was only able to install four (4) of the planned seven (7) borings. These four (4) borings were located within, or on the border of, the planned construction area on the eastern side of the Site. It should be noted that no groundwater or soil vapor samples were collected as part of the March 2024 additional sampling field efforts.

Soil samples were collected from each boring from the interval that exhibited the greatest evidence of impacts or based upon professional judgement if no impacts were observed. All soil samples were named based on their respective soil boring number and specified depth. In addition, a groundwater sample was collected from boring SB-120 (GW-101). **Table 2.1** below presents a summary of the borings conducted and the samples collected.

Table 2.1: Summary of Sample Collection

Boring ID	Boring Depth (Feet)	Sample ID	Sample Depth (Feet)	Sample Matrix	Analysis
SB-101	25.25	SB-101 (3-3.5)	2.5-3	Soil	TCL+30/TAL
SB-102	50.3	SB-102 (3-3.5)	3-3.5	Soil	TCL+30/TAL
SB-103	10	SB-103 (4.5-5')	4.5-5	Soil	TCL+30/TAL
		SV-101	N/A	Soil Vapor	VOCs (TO-15)
SB-104	10	SB-104 (7-7.5')	7-7.5	Soil	TCL+30/TAL
SB-105	10	SB-105 (8-8.5')	8-8.5	Soil	TCL+30/TAL
SB-106	10	SB-106 (5.5-6')	5.5-6	Soil	TCL+30/TAL

Boring ID	Boring Depth (Feet)	Sample ID	Sample Depth (Feet)	Sample Matrix	Analysis
SB-107	25.8	SB-107 (6.5-7')	6.5-7	Soil	TCL+30/TAL
SB-108	51.2	SB-108 (3.5-4')	3.5-4	Soil	TCL+30/TAL
SB-109	10	SB-109 (9.5-10')	9.5-10	Soil	TCL+30/TAL
SB-110	10	SB-110 (4.5-5')	4.5-5	Soil	TCL+30/TAL
SB-111	27	SB-111 (2.5-3')	2.5-3	Soil	TCL+30/TAL
SB-112	51.5	SB-112 (6-6.5')	6-6.5	Soil	TCL+30/TAL
SB-113	10	SB-113 (8.5-9')	8.5-9	Soil	TCL+30/TAL
SB-114	10	SB-114 (4-4.5')	4-4.5	Soil	TCL+30/TAL
SB-115	43	SB-115 (3.5-4')	3.5-4	Soil	TCL+30/TAL
SB-116	25.9	SB-116 (11-11.5')	11-11.5	Soil	TCL+30/TAL
SB-117	38.2	SB-117 (9-9.5')	9-9.5	Soil	TCL+30/TAL
SB-118	10	SB-118 (5-5.5')	5-5.5	Soil	TCL+30/TAL
SB-119	10	SB-119 (8-8.5')	8-8.5	Soil	TCL+30/TAL
SB-120	10	SB-120 (3-3.5')	3-3.5	Soil	TCL+30/TAL
		GW-101	N/A	Groundwater	TCL+30/TAL, PFAS
SB-121	10	SB-121 (9-9.5')	9-9.5	Soil	TCL+30/TAL
SB-122	10	SB-122 (2-2.5)	2-2.5	Soil	TCL+30/TAL
SB-123	10	SB-123 (4.5-5)	4.5-5	Soil	TCL+30/TAL
SB-124	10	SB-124 (7-7.5)	7-7.5	Soil	TCL+30/TAL
SB-125	10	SB-125 (3-3.5)	3-3.5	Soil	TCL+30/TAL

3.0 ANALYTICAL RESULTS

3.1 SOIL INVESTIGATION RESULTS

In total, twenty-five (25) soil samples were collected from twenty-five (25) borings as listed in **Table 2.1** above. The 21 soil samples collected in December 2023 were sent to SGS-Accutest under a chain-of-custody for the analysis of the TCL/TAL+30 suite of parameters, which include VOCs by EPA Method 8260C, SVOCs by EPA Method 8270D, TAL metals by EPA Method 6010C/7471, PCBs by EPA Method 8082A, pesticides by EPA Method 8081B, and cyanide by EPA Method 9082. The four (4) additional soil samples collected in March 2024 were sent to Alpha Analytical (now Pace Labs) under a chain-of-custody for analysis of the TCL/TAL+30 suite of parameters.

A summary table of the analytical results compared to NYSDEC Unrestricted Use Soil Cleanup Objectives (USCOs), Residential Soil Cleanup Objectives (RSCOs), Restricted Residential Cleanup Objectives (RRSCOs), and the NYSDEC Soil Screening Levels for emerging contaminants (NYSDEC Guidelines for Sampling and Analysis of PFAS Under NYSDEC's Part 375 Remedial Programs) is presented on **Table 3.1** and **Table 3.1A.** A summary of the samples exceeding the SCOs is presented on **Table 3.2** and **Table 3.2A** below and on **Figure 3.1**. All laboratory analytical data is provided in **Appendix C.**

As presented in the tables below, the soil testing results indicate USCO, RSCO, and RRSCO exceedances of various metals to depths of 10 ft-bgs. Specifically, metals in exceedance of the RRSCOs including lead, and mercury to depths of 9 ft-bgs. The lead resulted in SB-109 (9.5-10') at 799 ppm was the highest concentration of lead. The metals in exceedance of the USCOs including arsenic, cadmium, copper, iron, lead, mercury, nickel, and zinc to depths ranging from 2.5 ft-bgs to 10 ft-bgs. The SVOCs exceedances of the RRSCOs include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene to depths of 7.5 ft-bgs. The SVOCs benzo(k)fluoranthene, and 2-Methylnaphthalene were detected at concentrations exceeding the RSCOs to depths of 7.5 ft-bgs. The pesticides 4,4'-DDE, 4,4'-DDD, and dieldrin were detected at concentrations exceeding the USCOs to depths ranging from 3.5 ft-bgs to 11 ft-bgs. No VOC or PCBs were detected at concentrations exceeding the USCOs or RRSCOs, with the exception of acetone was detected at concentrations exceeding the USCOs to depths of 9.5 ft-bgs.

The highest contaminant levels are located at soil borings SB-103 (4.5-5), and SB-104 (7-7.5') in the northern portion of the Site where in 1950 a coal yard with office, sheds, and an automobile

garage was located. The metal contaminants detected at this location may be attributable to coal storage leachate. Metals contamination at SB-109 (9.5-10'), and SB-113 (8.5-9') in the central section of the Site may also be attributable to coal storage leachate, as well.

The March 2024 soil analytical results display similar constituents with elevated levels of PAHs and metals exceeding the Restricted Residential SCOs, with low concentrations of pesticides exceeding the Unrestricted SCOs. Sample SB-125 did not display any concentrations above any of the DEC SCOs.

A summary of soil sample exceedances is presented in **Table 3.2** below:

Table 3.2: Summary of Soil Sample Exceedances

Sample ID:		USCOs	RSCOs	RRSCOs	SB-101 (2.5-3)	SB-102 (3-3.5)	SB103 (4.5-5)	SB104 (7-7.5)	SB105 (8-8.5)	SB106 (5.5-6)	SB107 (6.5'-7')
Date Sampled:					12/19/2023	12/19/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/18/2023
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil
Acetone	mg/kg	0.05	100	100	0.037	0.0036 J	0.0243	0.0356	0.0437	0.0153	0.0076 J
Benzo(a)anthracene	mg/kg	1	1	1	0.119	ND (0.010)	0.123	**14.4**	0.224	0.148	ND (0.012)
Benzo(a)pyrene	mg/kg	1	1	1	0.17	ND (0.016)	0.195	**12.9**	0.272	0.187	ND (0.019)
Benzo(b)fluoranthene	mg/kg	1	1	1	0.17	ND (0.016)	0.228	**15.1**	0.262	0.223	ND (0.019)
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	0.0370 J	ND (0.017)	0.0679	**2.72**	0.103	0.0734	ND (0.020)
Chrysene	mg/kg	1	1	3.9	0.101	ND (0.011)	0.137	**10.5**	0.189	0.129	ND (0.013)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.0441 J	ND (0.016)	0.0573	**1.92**	0.0617	0.0475	ND (0.019)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.0902	ND (0.017)	0.131	**6.16**	0.133	0.115	ND (0.020)
2-Methylnaphthalene	mg/kg	-	0.41	-	ND (0.011)	ND (0.0081)	0.056	**14.2**	ND (0.011)	ND (0.0089)	ND (0.0095)
Dieldrin	mg/kg	0.005	0.039	0.2	ND (0.000083)	ND (0.000065)	ND (0.000083)	ND (0.000075)	ND (0.000090)	ND (0.000073)	ND (0.000080)
4,4'-DDD	mg/kg	0.0033	2.6	13	ND (0.000055)	ND (0.000043)	**0.0092**	**0.007**	ND (0.000059)	0.00028 J	ND (0.000052)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	ND (0.000062)	ND (0.000049)	0.00031 J	0.0029	ND (0.000067)	ND (0.000055)	ND (0.000060)
Arsenic	mg/kg	13	16	16	4.1	ND (2.1)	6.1	7.5	7.4	4.2	ND (1.6)
Cadmium	mg/kg	2.5	2.5	4.3	ND (0.48)	ND (0.52)	**3.5**	ND (0.61)	ND (0.76)	ND (0.56)	ND (0.41)
Copper	mg/kg	50	270	270	8.6	18	**51.4**	**61.6**	27.8	**51**	7.8
Iron	mg/kg	-	2000	-	**17400**	**19700**	**15600**	**29600**	**24900**	**14700**	**8060**
Lead	mg/kg	63	400	400	53.4	6.9	**135**	**203**	**63.7**	53	3.1
Mercury	mg/kg	0.18	0.81	0.81	ND (0.041)	ND (0.033)	0.14	**2.2**	**0.39**	**0.2**	ND (0.033)
Nickel	mg/kg	30	140	310	8.9	17.5	15.3	19.5	25.9	14.3	8.9
Zinc	mg/kg	109	2200	10000	54.6	40.1	**189**	**167**	92	65.9	29.3

Sample ID:		USCOs	RSCOs	RRSCOs	SB108 (3.5'-4')	SB109 (9.5-10)	SB110 (4.5-5)	SB111 (2.5-3)	SB112 (6-6.5)	SB113 (8.5-9)	SB114 (4-4.5)
Date Sampled:					12/18/2023	12/13/2023	12/13/2023	12/15/2023	12/15/2023	12/13/2023	12/13/2023
Matrix:					Soil	Soil	Soil	Soil	Soil	Soil	Soil
Acetone	mg/kg	0.05	100	100	0.0392	0.0434	ND (0.0054)	ND (0.0036)	0.0318	0.0187 J	0.0051 J
Benzo(a)anthracene	mg/kg	1	1	1	0.341	0.0471 J	ND (0.012)	0.0594	ND (0.011)	0.08	ND (0.011)
Benzo(a)pyrene	mg/kg	1	1	1	0.485	0.103	0.0278 J	0.078	ND (0.018)	0.145	0.0274 J
Benzo(b)fluoranthene	mg/kg	1	1	1	0.581	0.0804	ND (0.019)	0.0966	ND (0.017)	0.161	ND (0.018)
Benzo(k)fluoranthene	mg/kg	0.8	1	3.9	0.225	0.0281 J	ND (0.020)	0.0346 J	ND (0.018)	0.0547	ND (0.019)
Chrysene	mg/kg	1	1	3.9	0.386	0.0397 J	ND (0.013)	0.0664	ND (0.012)	0.102	ND (0.013)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.33	0.101	0.0420 J	ND (0.019)	ND (0.016)	ND (0.017)	0.0402 J	ND (0.018)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.5	0.399	0.0777	0.0244 J	0.0487	ND (0.018)	0.0964	0.0225 J
2-Methylnaphthalene	mg/kg	-	0.41		0.0172 J	ND (0.013)	ND (0.0095)	ND (0.0083)	ND (0.0088)	ND (0.011)	ND (0.0090)
Dieldrin	mg/kg	0.005	0.039	0.2	ND (0.000086)	ND (0.00011)	ND (0.000074)	ND (0.000070)	ND (0.000076)	ND (0.000093)	ND (0.000077)
4,4'-DDD	mg/kg	0.0033	2.6	13	0.0033	ND (0.000075)	0.000083 J	ND (0.000046)	ND (0.000050)	ND (0.000061)	ND (0.000051)
4,4'-DDE	mg/kg	0.0033	1.8	8.9	0.0017	ND (0.000085)	ND (0.000056)	ND (0.000053)	0.000078 J	ND (0.000070)	ND (0.000058)
Arsenic	mg/kg	13	16	16	3.1	9.8	ND (2.6)	2.7	ND (1.6)	6.8	ND (2.5)
Cadmium	mg/kg	2.5	2.5	4.3	ND (0.47)	ND (0.87)	ND (0.65)	ND (0.55)	ND (0.41)	ND (0.73)	ND (0.62)
Copper	mg/kg	50	270	270	18.2	43.4	6.5	18.6	15.4	**212**	4.1
Iron	mg/kg	-	2000	-	**13800**	**19400**	**10800**	**17000**	**9390**	**10100**	**6560**
Lead	mg/kg	63	400	400	39.5	**799**	4.3	20.2	10.4	**460**	3.9
Mercury	mg/kg	0.18	0.81	0.81	0.15	**0.76**	ND (0.035)	**0.32**	ND (0.037)	**0.89**	ND (0.034)
Nickel	mg/kg	30	140	310	16.6	14.3	8.7	21.1	8.3	11.7	6.8
Zinc	mg/kg	109	2200	10000	72.8	**706**	25.3	58	21.5	**139**	29.8

Sample ID:		USCOs	RRSCOs	SB-101 (2.5-3)	SB-102 (3-3.5)	SB103 (4.5-5)	SB104 (7-7.5)	SB105 (8-8.5)	SB106 (5.5-6)	SB107 (6.5'-7')
Date Sampled:				12/19/2023	12/19/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/18/2023
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil
Acetone	mg/kg	0.05	100	0.037	0.0036 J	0.0243	0.0356	0.0437	0.0153	0.0076 J
Benzo(a)anthracene	mg/kg	1	1	0.119	ND (0.010)	0.123	**14.4**	0.224	0.148	ND (0.012)
Benzo(a)pyrene	mg/kg	1	1	0.17	ND (0.016)	0.195	**12.9**	0.272	0.187	ND (0.019)
Benzo(b)fluoranthene	mg/kg	1	1	0.17	ND (0.016)	0.228	**15.1**	0.262	0.223	ND (0.019)
Benzo(k)fluoranthene	mg/kg	0.8	3.9	0.0370 J	ND (0.017)	0.0679	**2.72**	0.103	0.0734	ND (0.020)
Chrysene	mg/kg	1	3.9	0.101	ND (0.011)	0.137	**10.5**	0.189	0.129	ND (0.013)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.0441 J	ND (0.016)	0.0573	**1.92**	0.0617	0.0475	ND (0.019)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.0902	ND (0.017)	0.131	**6.16**	0.133	0.115	ND (0.020)
2-Methylnaphthalene	mg/kg	-	-	ND (0.011)	ND (0.0081)	0.056	14.2	ND (0.011)	ND (0.0089)	ND (0.0095)
Dieldrin	mg/kg	0.005	0.2	ND (0.000083)	ND (0.000065)	ND (0.000083)	ND (0.000075)	ND (0.000090)	ND (0.000073)	ND (0.000080)
4,4'-DDD	mg/kg	0.0033	13	ND (0.000055)	ND (0.000043)	**0.0092**	**0.007**	ND (0.000059)	0.00028 J	ND (0.000052)
4,4'-DDE	mg/kg	0.0033	8.9	ND (0.000062)	ND (0.000049)	0.00031 J	0.0029	ND (0.000067)	ND (0.000055)	ND (0.000060)
Arsenic	mg/kg	13	16	4.1	ND (2.1)	6.1	7.5	7.4	4.2	ND (1.6)
Cadmium	mg/kg	2.5	4.3	ND (0.48)	ND (0.52)	**3.5**	ND (0.61)	ND (0.76)	ND (0.56)	ND (0.41)
Copper	mg/kg	50	270	8.6	18	**51.4**	**61.6**	27.8	**51**	7.8
Iron	mg/kg	-	-	17400	19700	15600	29600	24900	14700	8060
Lead	mg/kg	63	400	53.4	6.9	**135**	**203**	**63.7**	53	3.1
Mercury	mg/kg	0.18	0.81	ND (0.041)	ND (0.033)	0.14	**2.2**	**0.39**	**0.2**	ND (0.033)
Nickel	mg/kg	30	310	8.9	17.5	15.3	19.5	25.9	14.3	8.9
Zinc	mg/kg	109	10000	54.6	40.1	**189**	**167**	92	65.9	29.3

Table 3.2A: Summary of Soil Sample Exceedances

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)			SB-123 (4.5-5)			SB-124 (7-7.5)			SB-125 (3-3.5)		
LAB ID:				L2412788-01			L2412788-02			L2412788-03			L2412788-04		
COLLECTION DATE:				3/7/2024			3/7/2024			3/7/2024			3/7/2024		
SAMPLE DEPTH:															
SAMPLE MATRIX:				SOIL			SOIL			SOIL			SOIL		
ANALYTE DETECTED	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
Acenaphthene	20	100	100	0.38		0.16	ND		0.17	0.024	J	0.18	ND		0.19
Fluoranthene	100	100	100	14		0.62	0.037	J	0.13	1.1		0.13	0.15		0.14
Naphthalene	12	100	100	0.25		0.2	ND		0.21	0.028	J	0.22	ND		0.24
Benzo(a)anthracene	1	1	1	**6.9**		0.12	0.026	J	0.13	0.46		0.13	0.073	J	0.14
Benzo(a)pyrene	1	1	1	**7.7**		0.16	ND		0.17	0.38		0.18	0.066	J	0.19
Benzo(b)fluoranthene	1	1	1	**10**		0.62	0.038	J	0.13	0.48		0.13	0.09	J	0.14
Benzo(k)fluoranthene	0.8	1	3.9	**2.6**		0.12	ND		0.13	0.18		0.13	ND		0.14
Chrysene	1	1	3.9	**7.1**		0.12	0.024	J	0.13	0.43		0.13	0.072	J	0.14
Acenaphthylene	100	100	100	1.6		0.16	ND		0.17	0.082	J	0.18	ND		0.19
Anthracene	100	100	100	1.8		0.12	ND		0.13	0.17		0.13	ND		0.14
Benzo(ghi)perylene	100	100	100	5.4		0.16	ND		0.17	0.24		0.18	0.043	J	0.19
Fluorene	30	100	100	0.4		0.2	ND		0.21	0.048	J	0.22	ND		0.24
Phenanthrene	100	100	100	4.5		0.12	ND		0.13	0.6		0.13	0.081	J	0.14
Dibenzo(a,h)anthracene	0.33	0.33	0.33	**1.3**		0.12	ND		0.13	0.066	J	0.13	ND		0.14
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	**5.4**		0.16	ND		0.17	0.24		0.18	0.045	J	0.19
Pyrene	100	100	100	11		0.62	0.034	J	0.13	0.98		0.13	0.12	J	0.14
4,4'-DDE	0.0033	1.8	8.9	ND		0.00199	**0.179**		0.00202	**0.00652**	P	0.00206	ND		0.00218
4,4'-DDD	0.0033	2.6	13	ND		0.00199	ND		0.00202	**0.188**	P	0.00206	ND		0.00218
4,4'-DDT	0.0033	1.7	7.9	ND		0.00199	**0.158**		0.00202	**0.118**	P	0.00206	ND		0.00218
Arsenic, Total	13	16	16	2.06	J	2.35	3.23		2.5	2.15	J	2.56	2.16	J	2.73
Barium, Total	350	350	400	101		2.35	77.4		2.5	69.1		2.56	102		2.73
Beryllium, Total	7.2	14	72	0.263	J	1.17	0.379	J	1.25	0.238	J	1.28	0.315	J	1.37
Cadmium, Total	2.5	2.5	4.3	0.33	J	2.35	ND		2.5	ND		2.56	ND		2.73
Calcium, Total				7500		23.5	1730		25	1610		25.6	1840		27.3
Chromium, Total				21.5		2.35	18.6		2.5	17.8		2.56	23.6		2.73
Cobalt, Total				6.22		4.69	7.89		5	5.65		5.12	8.39		5.47
Copper, Total	50	270	270	37.9		2.35	18.9		2.5	19.3		2.56	25.4		2.73
Iron, Total				16500		11.7	18200		12.5	15000		12.8	21100		13.7
Lead, Total	63	400	400	**143**		11.7	**103**		12.5	51.3		12.8	54.5		13.7
Magnesium, Total				6520		23.5	3400		25	3560		25.6	4910		27.3
Manganese, Total	1600	2000	2000	150		2.35	366		2.5	261		2.56	356		2.73
Mercury, Total	0.18	0.81	0.81	0.164		0.079	**0.248**		0.082	0.138		0.086	0.163		0.092
Nickel, Total	30	140	310	17.1		5.86	14.6		6.25	13.8		6.4	20.1		6.84
Potassium, Total				1990		586	1220		625	1840		640	3400		684
Sodium, Total				242	J	469	72.2	J	500	108	J	512	90.8	J	547
Vanadium, Total				22.6		2.35	25.4		2.5	19.3		2.56	30.2		2.73
Zinc, Total	109	2200	10000	**366**		11.7	66.3		12.5	**112**		12.8	75.3		13.7

Notes:

= Compound Exceeds the USCO

= Compound Exceeds the RSCO

= Compound Exceeds the RRSCO

Mg/kg = Milligrams per kilogram
U = Compound not detected
J = Concentration Estimated

3.2 GROUNDWATER INVESTIGATION RESULTS

A total of one (1) groundwater sample was collected and analyzed for TCL/TAL+30 suite of parameters and for PFAS by Modified EPA Method 1633. A summary table of the analytical results compared to NYSDEC Technical and Operational Guidance Series 1.1.1 (TOGS) Class GA Ambient Water Quality Standards and Guidance Values (AWQS) is presented on **Table 3.3.** A summary of compounds exceeding the AWQS is presented on **Table 3.4** below and on **Figure 3.2**. The laboratory analytical report is provided in **Appendix C**.

As presented on **Table 3.4** below, the groundwater testing results indicate AWQS exceedances of various metals: aluminum, arsenic, chromium, iron, lead, manganese, and sodium. No SVOCs exceeded the AWQS. The PFAS compounds perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected at concentrations exceeding the NYSDEC screening levels.

The metal contaminants detected in the groundwater temporary well may be attributable to coal storage leachate contamination that originated from the northern portion of the Site and migrated throughout the Site.

Table 3.4: Summary of Groundwater Sample Exceedances

Client Sample ID:		NY AWQS	GW101	
Date Sampled:			12/14/2023	
Matrix:			Ground Water	
Methylcyclohexane	ug/l	-	1.4	J
Perfluorobutanoic acid (PFBA)	ng/l	-	0.0124	J
Perfluoropentanoic acid (PFPeA)	ng/l	-	0.0145	J
Perfluorohexanoic acid (PFHxA)	ng/l	-	13.1	J
Perfluoroheptanoic acid (PFHpA)	ng/l	-	7.5	J
Perfluorooctanoic acid (PFOA)	ng/l	6.7	**30.6**	
Perfluorobutanesulfonic acid (PFBS)	ng/l	-	12.8	J
Perfluorooctanesulfonic acid (PFOS)	ng/l	2.7	**48.4**	
Acenaphthene	ug/l	20	1.6	
Aluminum	ug/l	100	**35900**	
Arsenic	ug/l	25	5.7	
Barium	ug/l	1000	408	
Beryllium	ug/l	3	2.8	
Calcium	ug/l	-	99100	
Chromium	ug/l	50	**159**	
Copper	ug/l	200	16.7	
Iron	ug/l	300	**77400**	
Lead	ug/l	25	**146**	
Magnesium	ug/l	-	29300	
Manganese	ug/l	300	**1400**	
Mercury	ug/l	0.7	**1.2**	
Nickel	ug/l	100	80	
Sodium	ug/l	20000	**143000**	
Vanadium	ug/l	-	121	
Zinc	ug/l	-	273	

Notes:

NY-AWQS = New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
ug/l = Micrograms per liter
ng/l = Nanograms per liter
= Concentration of compound exceeds the AWQS
ND = Non-Detect
J = Elevated detection limits due to dilution required for high interfering element

3.3 SOIL VAPOR INVESTIGATION RESULTS

One (1) soil vapor sample (SV-101) was collected from one (1) soil vapor boring. The vapor samples were analyzed for VOCs in accordance with EPA Method TO-15. A summary of the analytical results is presented on **Table 3.5**. A summary of the soil vapor (SV) detections is presented on **Table 3.6** below and **Figure 3.3**. The laboratory analytical data is provided in **Appendix C**.

The results indicate the presence of petroleum-related compounds such as benzene, ethylbenzene, m,p-xylene, o-xylene, hexane, heptane and trimethylbenzene; however the NYSDOH has not set standards for these compounds. The detections may be attributable to the former residential #2 fuel oil USTs and/or automobile repair activities in the northern portion of the Site. Acetone was also detected in the soil vapor at all locations. The source of acetone, a

solvent, may be attributable to the automobile repair shop previously located in the northern portion of the Site. The concentration of these compounds was evaluated against the NYSDEC Soil Vapor/Indoor Air decision matrices.

Table 3.6: Summary of Soil Vapor Detections

Client Sample ID:		Matrix A Lower Threshold Level	Matrix B Lower Threshold Level	Matrix C Lower Threshold Level		SV101
Lab Sample ID:						JD79054-1
Date Sampled:						12/14/2023
Matrix:						Soil Vapor Comp.
MS Volatiles (TO-15) - ug/m3						
Acetone (2-Propanone)	ug/m3	-	-	-		22
Benzene	ug/m3	-	-	-		2.5 J
Carbon disulfide	ug/m3	-	-	-		2.7
Cyclohexane	ug/m3	-	-	-		5.9
Dichlorodifluoromethane	ug/m3	-	-	-		2.4 J
Ethylbenzene	ug/m3	-	-	-		3.7
Ethyl Acetate	ug/m3	-	-	-		256
Heptane	ug/m3	-	-	-		9.4
Hexane	ug/m3	-	-	-		7.4
Isopropyl Alcohol	ug/m3	-	-	-		1.9 J
Methyl ethyl ketone	ug/m3	-	-	-		4.1
Propylene	ug/m3	-	-	-		2.2 J
2,2,4-Trimethylpentane	ug/m3	-	-	-		2.3 J
Tertiary Butyl Alcohol	ug/m3	-	-	-		2.1 J
Toluene	ug/m3	-	-	-		5.3
m,p-Xylene	ug/m3	-	-	-		10
o-Xylene	ug/m3	-	-	-		3.5
Xylenes (total)	ug/m3	-	-	-		14

Notes:
ug/m3 = micrograms per cubic meter
- = No Standard
NY-SSC-A = New York DOH Matrix A Sub-Slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017
NY-SSC-B = New York DOH Matrix B Sub-Slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017
NY-SSC-C = New York DOH Matrix C Sub-Slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017
ND = Not detected at the reported detection limit for the sample.

4.0 CONCLUSIONS AND RECOMMENDATIONS

SESI conducted an initial Phase II Environmental Site Assessment (Phase II ESA) of the Site in March 2022. The analytical results of this investigation identified metals impacts to soil exceeding the RRSCO in the northern portion of the Site at 5 ft-bgs where the water table is located. RRSCO SVOC (PAHs) exceedances were also identified at 7 ft-bgs in the southern portion of the Site. USCO exceedances for some metals, SVOCs (PAHs) and pesticides were identified throughout the Site at depths up to 9 ft-bgs. PCB contamination exceeding the USCO was detected at the SB-3 (5') and SB-5 (9') soil sampling locations. Metal and SVOC (PAHs) exceedances of the AWQS were detected in all groundwater temporary wells. This may be due to coal storage leachate contamination that originated from the northern portion of the Site and migrated throughout the Site. PFAS (PFOA and/or PFOS) exceedances were identified in all four (4) temporary wells. Soil vapor testing indicates the presence of petroleum-related compounds. The low concentrations do not suggest a large petroleum release or releases at the Site. These detections may be related to residential #2 fuel oil USTs and/or automobile repair activities in the northern portion of the Site. There are also compounds in the soil gas that are typically associated with chlorinated solvents, and not petroleum-related compounds.

SESI conducted a Supplemental Phase II Environmental Site Assessment of the Site in December 2023 with additional soil sampling conducted in March 2024 in the eastern proposed building areas. The analytical results of the investigations identified metals in exceedance of the RRSCOs as well; including lead and mercury to depths of 10 ft-bgs. The highest concentration of lead was detected in SB-109 (9.5-10') at 799 ppm. The metals in exceedance of the USCOs including arsenic, cadmium, copper, iron, lead, mercury, nickel, and zinc to depths ranging from 2.5 ft-bgs to 10 ft-bgs. The SVOCs exceedances of the RRSCOs include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene to depths of 7.5 ft-bgs. The SVOCs benzo(k)fluoranthene, and 2-Methylnaphthalene were detected at concentrations exceeding the RSCOs to depths of 7.5 ft-bgs. The pesticides 4,4'-DDE, 4,4'-DDD, and dieldrin were detected at concentrations exceeding the USCOs to depths ranging from 3.5 ft-bgs to 11 ft-bgs. No VOC or PCBs were detected at concentrations exceeding the USCOs or RRSCOs, with the exception of acetone was detected at concentrations exceeding the USCOs to depths of 9.5 ft-bgs.

The highest contaminant levels are located at soil borings SB-103 (4.5-5), and SB-104 (7-7.5') in the northern portion of the Site where in 1950 a coal yard with office, sheds, and an automobile

garage was located. The metal contaminants detected at this location may be attributable to coal storage leachate. Metals contamination at SB-109 (9.5-10'), and SB-113 (8.5-9') in the central section of the Site may also be attributable to coal storage leachate, as well. As noted, sample SB-125 collected during the March 2024 investigation did not display any concentrations above the NYSDEC SCOs.

During the December 2023 event there were no exceedances in the soil vapor result. However, the soil vapor result did indicate the presence of petroleum-related compounds such as benzene, ethylbenzene, m,p-xylene, o-xylene, hexane, heptane and trimethylbenzene. The detections may be attributable to the former residential #2 fuel oil USTs and/or automobile repair activities in the northern portion of the Site. Acetone was also detected in the soil vapor location. The source of acetone, a solvent, may be attributable to the automobile repair shop previously located in the northern portion of the Site.

Metal exceedances of the AWQS were detected in the groundwater temporary well point sample, GW101. This may be due to coal storage leachate contamination that originated from the northern portion of the Site and migrated throughout the Site. PFAS (PFOA and/or PFOS) exceedances were identified as well in the temporary well point. The source of the PFAS contamination has not been identified at the Site.

The exceedances in the soil, and groundwater, and soil vapor detections reported during the May 2022, and December 2023 investigations were attributed to the historic coal storage facility and the automobile garage that existed prior to 1970, as well as the former and current abandoned in place residential USTs at the Site that have also contributed to the presence of soil vapor petroleum compounds detections. This supplemental Phase II has determined that remedial actions need to be implemented to remediate the contaminated soil and mitigate potential vapor intrusion risks.

Tables

Table 3.1
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

Client Sample ID:		USCOs	RRSCOs	SB121 (9-9.5)	SB120 (3-3.5)	SB118 (5-5.5)	SB119 (8-8.5)	SB114 (4-4.5)	SB110 (4.5-5)	SB109 (9.5-10)	SB113 (8.5-9)	SB103 (4.5-5)	SB104 (7-7.5)	SB105 (8-8.5)	SB106 (5.5-6)	SB115(3.5-4)	SB117(9-9.5)	SB116(11-11.5)	SB112 (6-6.5)	SB111 (2.5-3)	SB108 (3.5'-4')	SB107 (6.5'-7')	SB-102 (3-3.5)	SB-101 (2.5-3)
Lab Sample ID:				JD78884-1	JD78884-2	JD78884-3	JD78884-4	JD78884-5	JD78884-6	JD78884-7	JD78884-8	JD78884-9	JD78884-10	JD78884-11	JD78884-12	JD79009-1	JD79009-2	JD79009-3	JD79126-1	JD79126-2	JD79126-3	JD79126-4	JD79288-1	JD79288-2
Date Sampled:				12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/14/2023	12/14/2023	12/14/2023	12/15/2023	12/15/2023	12/18/2023	12/18/2023	12/19/2023	12/19/2023
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Volatiles (SW846 8260D)																								
Acetone	mg/kg	0.05	100	0.0348	**0.0548**	ND (0.0046)	0.0083 J	0.0051 J	ND (0.0054)	0.0434	0.0187 J	0.0243	0.0356	0.0437	0.0153	0.0291	**0.0931**	0.0089 J	0.0318	ND (0.0036)	0.0392	0.0076 J	0.0036 J [a]	0.0370 [a]
Benzene	mg/kg	0.06	4.8	ND (0.0013)	ND (0.00056)	ND (0.00051)	ND (0.00047)	ND (0.00056)	ND (0.00059)	ND (0.00072)	ND (0.00087)	ND (0.00064)	ND (0.00056)	ND (0.00081)	ND (0.00046)	ND (0.00043)	ND (0.0012)	ND (0.00044)	ND (0.00041)	ND (0.0040)	ND (0.00052)	ND (0.00053)	ND (0.00037)	ND (0.00058)
Bromochloromethane	mg/kg	-	-	ND (0.0016)	ND (0.00069)	ND (0.00062)	ND (0.00058)	ND (0.00069)	ND (0.00073)	ND (0.00089)	ND (0.0011)	ND (0.00079)	ND (0.00068)	ND (0.0010)	ND (0.00057)	ND (0.00052)	ND (0.0014)	ND (0.00054)	ND (0.00050)	ND (0.00049)	ND (0.00064)	ND (0.00066)	ND (0.00046) [b]	ND (0.00071) [b]
Bromodichloromethane	mg/kg	-	-	ND (0.0012)	ND (0.00053)	ND (0.00048)	ND (0.00044)	ND (0.00053)	ND (0.00056)	ND (0.00068)	ND (0.00082)	ND (0.00060)	ND (0.00052)	ND (0.00076)	ND (0.00044)	ND (0.00040)	ND (0.0011)	ND (0.00042)	ND (0.00038)	ND (0.0037)	ND (0.00049)	ND (0.00050)	ND (0.00035)	ND (0.00055)
Bromoform	mg/kg	-	-	ND (0.0039)	ND (0.0017)	ND (0.0015)	ND (0.0014)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0026)	ND (0.0019)	ND (0.0017)	ND (0.0024)	ND (0.0014)	ND (0.0013)	ND (0.0034)	ND (0.0013)	ND (0.0012) [c]	ND (0.012) [c]	ND (0.0016) [c]	ND (0.0016) [c]	ND (0.0011)	ND (0.0017)
Bromomethane	mg/kg	-	-	ND (0.0022)	ND (0.00095)	ND (0.00085)	ND (0.00079)	ND (0.00094)	ND (0.00099)	ND (0.0012)	ND (0.0015)	ND (0.0011)	ND (0.00093)	ND (0.0014)	ND (0.00078)	ND (0.00071)	ND (0.0019)	ND (0.00074)	ND (0.00068)	ND (0.0067)	ND (0.00087)	ND (0.00090)	ND (0.00063)	ND (0.00097)
2-Butanone (MEK)	mg/kg	0.12	100	ND (0.0069)	0.014	ND (0.0027)	ND (0.0025)	ND (0.0030)	ND (0.0032)	0.0085 J	ND (0.0046)	0.0056 J	0.0060 J	0.0056 J	ND (0.0025)	0.0065 J	0.0226 J	ND (0.0024)	0.0029 J	ND (0.0021)	0.0089 J	ND (0.0029)	ND (0.0020) [c]	0.0081 J [a]
Carbon disulfide	mg/kg	-	-	ND (0.0015)	ND (0.00066)	0.0014 J	0.00074 J	0.0019 J	ND (0.00070)	ND (0.00085)	ND (0.0010)	0.00091 J	ND (0.00065)	ND (0.00095)	0.00067 J	0.00057 J	0.0048 J	ND (0.00052)	0.0018	ND (0.00047)	ND (0.00061)	ND (0.00063)	ND (0.00044)	ND (0.00068)
Carbon tetrachloride	mg/kg	0.76	2.4	ND (0.0018)	ND (0.00077)	ND (0.00069)	ND (0.00064)	ND (0.00076)	ND (0.00080)	ND (0.00098)	ND (0.0012)	ND (0.00087)	ND (0.00075)	ND (0.0011)	ND (0.00063)	ND (0.00058)	ND (0.0016)	ND (0.00060)	ND (0.00055)	ND (0.00054)	ND (0.00071)	ND (0.00073)	ND (0.00051)	ND (0.00079)
Chlorobenzene	mg/kg	1.1	100	ND (0.0013)	ND (0.00057)	ND (0.00051)	ND (0.00047)	ND (0.00057)	ND (0.00061)	ND (0.00073)	ND (0.00088)	ND (0.00065)	ND (0.00056)	ND (0.00082)	ND (0.00047)	ND (0.00043)	ND (0.0012)	ND (0.00045)	ND (0.00041)	ND (0.0040)	ND (0.00053)	ND (0.00054)	ND (0.00038)	ND (0.00059)
Chloroethane	mg/kg	-	-	ND (0.0017)	ND (0.00073)	ND (0.00066)	ND (0.00061)	ND (0.00073)	ND (0.00077)	ND (0.00094)	ND (0.0011)	ND (0.00083)	ND (0.00072)	ND (0.0011)	ND (0.00060)	ND (0.00055)	ND (0.0015)	ND (0.00057)	ND (0.00053) [c]	ND (0.00052) [c]	ND (0.00068) [c]	ND (0.00069) [c]	ND (0.00049)	ND (0.00075)
Chloroform	mg/kg	0.37	49	ND (0.0015)	ND (0.00064)	ND (0.00058)	ND (0.00054)	ND (0.00064)	ND (0.00068)	ND (0.00082)	ND (0.00099)	ND (0.00073)	ND (0.00063)	ND (0.00092)	ND (0.00053)	ND (0.00049)	ND (0.0013)	ND (0.00050)	ND (0.00046)	ND (0.00045)	ND (0.00059)	0.0045	ND (0.00043)	ND (0.00066)
Chloromethane	mg/kg	-	-	ND (0.0056)	ND (0.0024)	ND (0.0022)	ND (0.0020)	ND (0.0024)	ND (0.0026)	ND (0.0031)	ND (0.0037)	ND (0.0028)	ND (0.0024)	ND (0.0035)	ND (0.0020)	ND (0.0018)	ND (0.0050)	ND (0.0019)	ND (0.0018)	ND (0.0017)	ND (0.0022)	ND (0.0023)	ND (0.0016)	ND (0.0025)
Cyclohexane	mg/kg	-	-	ND (0.0019)	ND (0.00081)	ND (0.00073)	ND (0.00068)	ND (0.00081)	ND (0.00086)	ND (0.0010)	ND (0.0013)	ND (0.00092)	ND (0.00080)	ND (0.0012)	ND (0.00067)	ND (0.00061)	ND (0.0017)	ND (0.00064)	ND (0.00059)	ND (0.00057)	ND (0.00075)	ND (0.00077)	ND (0.00054)	ND (0.00084)
1,2-Dibromo-3-chloropropane	mg/kg	-	-	ND (0.0020)	ND (0.00086)	ND (0.00077)	ND (0.00072)	ND (0.00086)	ND (0.00090)	ND (0.0011)	ND (0.0013)	ND (0.00098)	ND (0.00085)	ND (0.0012)	ND (0.00071)	ND (0.00065)	ND (0.0018)	ND (0.00068)	ND (0.00062)	ND (0.00061)	ND (0.00079)	ND (0.00081)	ND (0.00057)	ND (0.00089)
Dibromochloromethane	mg/kg	-	-	ND (0.0016)	ND (0.00069)	ND (0.00062)	ND (0.00058)	ND (0.00069)	ND (0.00073)	ND (0.00089)	ND (0.0011)	ND (0.00079)	ND (0.00068)	ND (0.0010)	ND (0.00057)	ND (0.00052)	ND (0.0014)	ND (0.00054)	ND (0.00050)	ND (0.00049)	ND (0.00064)	ND (0.00066)	ND (0.00046)	ND (0.00071)
1,2-Dibromoethane	mg/kg	-	-	ND (0.0012)	ND (0.00052)	ND (0.00047)	ND (0.00044)	ND (0.00052)	ND (0.00055)	ND (0.00067)	ND (0.00080)	ND (0.00059)	ND (0.00051)	ND (0.00075)	ND (0.00043)	ND (0.00039)	ND (0.0011)	ND (0.00041)	ND (0.00038)	ND (0.0037)	ND (0.00048)	ND (0.00049)	ND (0.00035)	ND (0.00054)
1,2-Dichlorobenzene	mg/kg	1.1	100	ND (0.0016)	ND (0.00068)	ND (0.00061)	ND (0.00056)	ND (0.00067)	ND (0.00071)	ND (0.00087)	ND (0.0010)	ND (0.00077)	ND (0.00067)	ND (0.00097)	ND (0.00056)	ND (0.00051)	ND (0.0014)	ND (0.00053)	ND (0.00049)	ND (0.00048)	ND (0.00063)	ND (0.00064)	ND (0.00045)	ND (0.00070)
1,3-Dichlorobenzene	mg/kg	2.4	49	ND (0.0014)	ND (0.0061)	ND (0.00055)	ND (0.00051)	ND (0.0061)	ND (0.00065)	ND (0.00079)	ND (0.00095)	ND (0.00070)	ND (0.0061)	ND (0.00088)	ND (0.00051)	ND (0.00046)	ND (0.0013)	ND (0.00048)	ND (0.00044)	ND (0.00043)	ND (0.00057)	ND (0.00058)	ND (0.00041)	ND (0.00063)
1,4-Dichlorobenzene	mg/kg	1.8	13	ND (0.0014)	ND (0.0061)	ND (0.00055)	ND (0.00051)	ND (0.0061)	ND (0.00064)	ND (0.00078)	ND (0.00094)	ND (0.00069)	ND (0.00060)	ND (0.00088)	ND (0.00050)	ND (0.00046)	ND (0.0012)	ND (0.00048)	ND (0.00044)	ND (0.00043)	ND (0.00057)	ND (0.00058)	ND (0.00041)	ND (0.00063)
Dichlorodifluoromethane	mg/kg	-	-	ND (0.0021) [d]	ND (0.00090) [d]	ND (0.00081) [d]	ND (0.00075) [d]	ND (0.00090) [d]	ND (0.00095) [d]	ND (0.0012) [d]	ND (0.0014) [d]	ND (0.0010) [d]	ND (0.00089) [d]	ND (0.0013) [d]	ND (0.00074)	ND (0.00068)	ND (0.0018)	ND (0.00071)	ND (0.00065)	ND (0.0063)	ND (0.00083)	ND (0.00085)	ND (0.00060)	ND (0.00093)
1,1-Dichloroethane	mg/kg	0.27	26	ND (0.0014)	ND (0.00061)	ND (0.00055)	ND (0.00051)	ND (0.00061)	ND (0.00064)	ND (0.00079)	ND (0.00094)	ND (0.00070)	ND (0.00060)	ND (0.00088)	ND (0.00050)	ND (0.00046)	ND (0.0013)	ND (0.00048)	ND (0.00044)	ND (0.00043)	ND (0.00057)	ND (0.00058)	ND (0.00041)	ND (0.00063)
1,2-Dichloroethane	mg/kg	0.02	3.1	ND (0.0013)	ND (0.00058)	ND (0.00052)	ND (0.00049)	ND (0.00058)	ND (0.00061)	ND (0.00075)	ND (0.00090)	ND (0.00066)	ND (0.00057)	ND (0.00084)	ND (0.00048)	ND (0.00044)	ND (0.0012)	ND (0.00046)	ND (0.00042)	ND (0.00041)	ND (0.00054)	ND (0.00055)	ND (0.00039)	ND (0.00060)
1,1-Dichloroethene	mg/kg	0.33	100	ND (0.0019)	ND (0.00081)	ND (0.00073)	ND (0.00068)	ND (0.00081)	ND (0.00085)	ND (0.0010)	ND (0.0012)	ND (0.00092)	ND (0.00080)	ND (0.0012)	ND (0.00067)	ND (0.00061)	ND (0.0017)	ND (0.00064)	ND (0.00059)	ND (0.00057)	ND (0.00075)	ND (0.00077)	ND (0.00054)	ND (0.00084)
cis-1,2-Dichloroethene	mg/kg	0.25	100	ND (0.0024)	ND (0.0010)	ND (0.00093)	ND (0.00087)	ND (0.0010)	ND (0.0011)	ND (0.0013)	ND (0.0016)	ND (0.0012)	ND (0.0010)	ND (0.0015)	ND (0.00086)	ND (0.00078)	ND (0.0021)	ND (0.00082)	ND (0.00075)	ND (0.0073)	ND (0.00096)	ND (0.00099)	ND (0.00069) [b]	ND (0.0011) [b]
trans-1,2-Dichloroethene	mg/kg	0.19	100	ND (0.0017)	ND (0.00076)	ND (0.00068)	ND (0.00063)	ND (0.00075)	ND (0.00080)	ND (0.00097)	ND (0.0012)	ND (0.00086)	ND (0.00075)	ND (0.0011)	ND (0.00062)	ND (0.00057)	ND (0.0015)	ND (0.00059)	ND (0.00055)	ND (0.0053)	ND (0.0070)	ND (0.00072)	ND (0.00050)	ND (0.00078)
1,2-Dichloropropane	mg/kg	-	-	ND (0.0013)	ND (0.00059)	ND (0.00053)	ND (0.00049)	ND (0.00058)	ND (0.00062)	ND (0.00075)	ND (0.00090)	ND (0.00066)	ND (0.00058)	ND (0.00084)	ND (0.00048)	ND (0.00044) [c]	ND (0.0012) [c]	ND (0.00046) [c]	ND (0.00042)	ND (0.00041)	ND (0.00054)	ND (0.00056)	ND (0.00039)	ND (0.00060)
cis-1,3-Dichloropropene	mg/kg	-	-	ND (0.0014)	ND (0.00059)	ND (0.00053)	ND (0.00049)	ND (0.00058)	ND (0.00062)	ND (0.00075)	ND (0.00091)	ND (0.00067)	ND (0.00058)	ND (0.00085)	ND (0.00048)	ND (0.00044)	ND (0.0012)	ND (0.00046)	ND (0.00042)	ND (0.00041)	ND (0.00054)	ND (0.00056)	ND (0.00039)	ND (0.00061)
trans-1,3-Dichloropropene	mg/kg	-	-	ND (0.0013)	ND (0.00057)	ND (0.00051)	ND (0.00047)	ND (0.00056)	ND (0.00059)	ND (0.00073)	ND (0.00087)	ND (0.00064)	ND (0.00056)	ND (0.00081)	ND (0.00047)	ND (0.00043)	ND (0.0012)	ND (0.00044)	ND (0.00041)	ND (0.00040)	ND (0.00052)	ND (0.00054)	ND (0.00038)	ND (0.00058)
Ethylbenzene	mg/kg	1	41	ND (0.0013)	ND (0.00056)	ND (0.00050)	ND (0.00047)	ND (0.00056)	ND (0.00059)	ND (0.00072)	ND (0.00086)	ND (0.00064)	0.0011 J	ND (0.00081)	ND (0.00046)	ND (0.00042)	ND (0.0011)	ND (0.00044)	ND (0.00041)	ND (0.00039)	ND (0.00052)	ND (0.00053)	ND (0.00037)	ND (0.00058)
Freon 113	mg/kg	-	-	ND (0.0076)	ND (0.0033)	ND (0.0030)	ND (0.0028)	ND (0.0033)	ND (0.0035)	ND (0.0042)	ND (0.0051)	ND (0.0038)	ND (0.0033)	ND (0.0048)	ND (0.0027)	ND (0.0025)	ND (0.0068)	ND (0.0026)	ND (0.0024)	ND (0.0023)	ND (0.0031)	ND (0.0031)	ND (0.0022)	ND (0.0034)
2-Hexanone	mg/kg	-	-	ND (0.0060)	ND (0.0024)	ND (0.0022)	ND (0.0020)	ND (0.0024)	ND (0.0026)	ND (0.0031)	ND (0.0038)	ND (0.0027)	ND (0.0024)	ND (0.0035)	ND (0.0020)	ND (0.0018)	ND (0.0054) [c]	ND (0.0019) [c]	ND (0.0018) [c]	ND (0.0017) [c]	ND (0.0022)	ND (0.0023)	ND (0.0016) [c]	ND (0.0027) [c]
Isopropylbenzene	mg/kg	-	-	ND (0.0040)	ND (0.0018)	ND (0.0016)	ND (0.0015)	ND (0.0017)	ND (0.0018)	ND (0.0023)	ND (0.0027)	ND (0.0020)	0.0032	ND (0.0025)	ND (0.0014)	ND (0.0013)	ND (0.0036)	ND (0.0014)	ND (0.0013)	ND (0.0012)	ND (0.0016)	ND (0.0017)	ND (0.0012)	ND (0.0018)
Methyl Acetate	mg/kg	-	-	ND (0.0040)	ND (0.0017)	ND (0.0015)	ND (0.0014)	ND (0.0017)	ND (0.0018)	ND (0.0022)	ND (0.0027)	ND (0.0020)	ND (0.0017)	ND (0.0025)	ND (0.0014)	ND (0.0013)	ND (0.0035)	ND (0.0014)	ND (0.0012)	ND (0.0012)	ND (0.0016)	ND (0.0016)	ND (0.0011)	ND (0.0018)
Methylcyclohexane	mg/kg	-	-	ND (0.0025)	ND (0.0011)	ND (0.00097)	ND (0.00090)	ND (0.0011)	ND (0.0011)	ND (0.0014)	ND (0.0017)	ND (0.0012)	ND (0.0011)	ND (0.0016)	ND (0.00089)	ND (0.00082)	ND (0.0022)	ND (0.00085)	ND (0.00078)	ND (0.00076)	ND (0.0010)	ND (0.0010)	ND (0.00072)	ND (0.0011)
Methyl Tert Butyl Ether	mg/kg	0.93	100	ND (0.0013)	ND (0.00058)	ND (0.00052)	ND (0.00048)	ND (0.00058)	ND (0.00061)	ND (0.00075)	ND (0.00089)	ND (0.00066)	ND (0.00057)	ND (0.00083)	ND (0.00048)	ND (0.00044)	ND (0.0012)	ND (0.00046)	ND (0.00042)	ND (0.00041)	ND (0.00054)	ND (0.00055)	ND (0.00038)	ND (0.00060)
4-Methyl-2-pentanone(MIBK)	mg/kg	-	-	ND (0.0065)	ND (0.0028)	ND (0.0025)	ND (0.0023)	ND (0.0028)	ND (0.0030)	ND (0.0036)	ND (0.0043)	ND (0.0032)	ND (0.0028)	ND (0.0040)	ND (0.0023)	ND (0.0021)	ND (0.0057)	ND (0.0022)	ND (0.0020)	ND (0.0020)	ND (0.0026)	ND (0.0027)	ND (0.0019)	ND (0.0029)
Methylene chloride	mg/kg	0.05	100	ND (0.0074)	ND (0.0032)	ND (0.0029)	ND (0.0027)	ND (0.0032)	ND (0.0034)	ND (0.0041)	ND (0.0050)	ND (0.0037)	ND (0.0032)	ND (0.0046)	ND (0.0027)	0.008	0.0092 J	0.0051	0.0028 J	0.0045	0.0055 J	0.008	0.0025 J	0.0050 J
Styrene	mg/kg	-	-	ND (0.0011)	ND (0.00050)	ND (0.00045)	ND (0.00042)	ND (0.00050)	ND (0.00052)	ND (0.00064)	ND (0.00077)	ND (0.00057)	ND (0.00049)	ND (0.00072)	ND (0.00041)	ND (0.00038)	ND (0.0010)	ND (0.00039)	ND (0.00036)	ND (0.00035)	ND (0.00046)	ND (0.00047)	ND (0.00033)	ND (0.00051)
1,1,2,2-Tetrachloroethane	mg/kg	-	-	ND (0.0017)	ND (0.0074)	ND (0.00067)	ND (0.00062)	ND (0.0074)	ND (0.00078)	ND (0.00095)	ND (0.0011)	ND (0.00084)	ND (0.00073)	ND (0.0011)	ND (0.00061)	ND (0.00056)	ND (0.0015)	ND (0.00058)	ND (0.00054)	ND (0.00052)	ND (0.00069)	ND (0.00070)	ND (0.00049)	ND (0.00076)
Tetrachloroethene	mg/kg	1.3	19	ND (0.0017)	ND (0.00072)	ND (0.00064)	ND (0.00060)	ND (0.00071)	ND (0.00075)	ND (0.00092)	ND (0.0011)	ND (0.00082)	ND (0.00071)	ND (0.0010)	ND (0.00059)	ND (0.00054)	ND (0.0015)	ND (0.00056)	ND (0.00052)	ND (0.0051)	ND (0.00066)	ND (0.00068)	ND (0.00048)	ND (0.00074)
Toluene	mg/kg	0.7	100	ND (0.0015)	ND (0.00065)	ND (0.00058)	ND (0.00054)	ND (0.00065)	ND (0.00068)	ND (0.00083)	ND (0.0010)	ND (0.00074)	ND (0.00064)	ND (0.00093)	ND (0.00054)	ND (0.00049)	ND (0.0013)	ND (0.00051)	ND (0.00047)	ND (0.00046)	ND (0.00060)	ND (0.00062)	ND (0.00043)	ND (0.00067)
1,2,3-Trichlorobenzene	mg/kg	-	-	ND (0.0071)	ND (0.0031)	ND (0.0028)	ND (0.0026)	ND (0.0031)	ND (0.0033)	ND (0.0040)	ND (0.0048)	ND (0.0035)	ND (0.0031)	ND (0.0045)	ND (0.0026)	ND (0.0023)	ND (0.0063)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0029)	ND (0.0029)	ND (0.0021)	ND (0.0032)
1,2,4-Trichlorobenzene	mg/kg	-	-	ND (0.0071)	ND (0.0031)	ND (0.0028)	ND (0.0026)	ND (0.0031)	ND (0.0033)	ND (0.0040)	ND (0.0048)	ND (0.0035)	ND (0.0031)	ND (0.0045)	ND (0.0026)	ND (0.0023)	ND (0.0063)	ND (0.0024)	ND (0.0022)	ND (0.0022)	ND (0.0029)	ND (0.0029)	ND (0.0021)	ND (0.0032)
1,1,1-Trichloroethane	mg/kg	0.68	100	ND (0.0014)	ND (0.0060)	ND (0.0054)	ND (0.0050)	ND (0.0060)	ND (0.0063)	ND (0.0077)	ND (0.0092)	ND (0.0068)	ND (0.0059)	ND (0.0086)	ND (0.0049)	ND (0.0045)	ND (0.0012)	ND (0.0047)	ND (0.0043)	ND (0.0042)	ND (0.0055)	ND (0.0057)	ND (0.0040)	ND (0.0062)
1,1,2-Trichloroethane	mg/kg	-	-	ND (0.0016)	ND (0.00069)	ND (0.00062)	ND (0.00057)	ND (0.00068)	ND (0.00072)	ND (0.00088)	ND (0.0011)	ND (0.00078)	ND (0.00068)	ND (0.00099)	ND (0.00057)	ND (0.00052)	ND (0.0014)	ND (0.00054)	ND (0.00050)	ND (0.00048)	ND (0.00063)	ND (0.00065)	ND (0.00045)	ND (0.00071)
Trichloroethene	mg/kg	0.47	21	ND (0.0022)	ND (0.00094)	ND (0.00085)	ND (0.00079)	ND (0.00094)	ND (0.00099)	ND (0.0012)	ND (0.0015)	ND (0.0011)	ND (0.00093)	ND (0.0014)	ND (0.00078)	0.0012	ND (0.0019)	ND (0.00074)	ND (0.00068)	ND (0.00066)	ND (0.00087)	ND (0.00089)	ND (0.00063)	ND (0.00097)
Trichlorofluoromethane	mg/kg	-	-	ND (0.0020)	ND (0.00085)	ND (0.00076)	ND (0.00071)	ND (0.00084)	ND (0.00089)	ND (0.0011)	ND (0.0013)	ND (0.00096)	ND (0.00083)	ND (0.0012)	ND (0.00070)	ND (0.00064)	ND (0.0017)	ND (0.00067)	ND (0.00061)	ND (0.00060)	ND (0.00078)	ND (0.00080)	ND (0.00056)	ND (0.00087)
Vinyl chloride	mg/kg	0.02	0.9	ND (0.0014)	ND (0.0063)	ND (0.0056)	ND (0.0052)	ND (0.0063)	ND (0.0066)	ND (0.0079)	ND (0.0096)	ND (0.0072)	ND (0.0063)	ND (0.0088)	ND (0.0050)	ND (0.0045)	ND (0.0012)	ND (0.0047)	ND (0.0043)	ND (0.0042)	ND (0.0055)	ND (0.0059)	ND (0.0039)	ND (0.0061)
m,p-Xylene	mg/kg	0.26	100	ND (0.0026)	ND (0.0011)	ND (0.00099)	ND (0.00093)	ND (0.0011)	ND (0.0012)	ND (0.0014)	ND (0.0017)	ND (0.0013)	ND (0.0011)	ND (0.0016)	ND (0.00091)	ND (0.00084)	ND (0.0023)	ND (0.00087)	ND (0.00080)	ND (0.00078)	ND (0.0010)	ND (0.0011)	ND (0.00074)	ND (0.0011)
o-Xylene	mg/kg	0.26	100	ND (0.0013)	ND (0.00057)	ND (0.00051)	ND (0.00047)	ND (0.00056)	ND (0.00060)	ND (0.00073)	ND (0.00087)	ND (0.00064)	0.00064 J	ND (0.00082)	ND (0.00047)	ND (0.00043)	ND (0.0012)	ND (0.00045)	ND (0.00041)	ND (0.00040)	ND (0.00052)	ND (0.00054)	ND (0.00038)	ND (0.00058)
Xylene (total)	mg/kg	0.26	100	ND (0.0013)	ND (0.00057)	ND (0.00051)	ND (0.00047)	ND (0.00056)	ND (0.00060)	ND (0.00073)	ND (0.00087)	ND (0.00064)	0.00064 J	ND (0.00082)	ND (0.00047)	ND (0.00043)	ND (0.0012)	ND (0.00045)	ND (0.00041)	ND (0.00040)	ND (0.00052)	ND (0.00054)	ND (0.00038)	ND (0.00058)

Table 3.1
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

Client Sample ID:		USCOs	RRSCOs	SB121 (9-9.5)	SB120 (3-3.5)	SB118 (5-5.5)	SB119 (8-8.5)	SB114 (4-4.5)	SB110 (4.5-5)	SB109 (9.5-10)	SB113 (8.5-9)	SB103 (4.5-5)	SB104 (7-7.5)	SB105 (8-8.5)	SB106 (5.5-6)	SB115(3.5-4)	SB117(9-9.5)	SB116(11-11.5)	SB112 (6-6.5)	SB111 (2.5-3)	SB108 (3.5'-4')	SB107 (6.5'-7')	SB-102 (3-3.5)	SB-101 (2.5-3)
Lab Sample ID:				JD78884-1	JD78884-2	JD78884-3	JD78884-4	JD78884-5	JD78884-6	JD78884-7	JD78884-8	JD78884-9	JD78884-10	JD78884-11	JD78884-12	JD79009-1	JD79009-2	JD79009-3	JD79126-1	JD79126-2	JD79126-3	JD79126-4	JD79288-1	JD79288-2
Date Sampled:				12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/14/2023	12/14/2023	12/14/2023	12/15/2023	12/15/2023	12/18/2023	12/18/2023	12/19/2023	12/19/2023
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Volatile TIC																								
Total TIC, Volatile	mg/kg	-	-	0	0	0	0	0	0	0	0	0	0.3318 J	0	0	0	0	0	0	0	0	0	0	0
MS Semi-volatiles (SW846																								
2-Chlorophenol	mg/kg	-	-	ND (0.035)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.029)	ND (0.023)	ND (0.022)	ND (0.019)	ND (0.024)	ND (0.019)	ND (0.019)	ND (0.032)	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.023)	ND (0.021)	ND (0.018)	ND (0.023)
4-Chloro-3-methyl phenol	mg/kg	-	-	ND (0.043)	ND (0.025)	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.036)	ND (0.029)	ND (0.027)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.024)	ND (0.040)	ND (0.024)	ND (0.024)	ND (0.023)	ND (0.028)	ND (0.026)	ND (0.022)	ND (0.029)
2,4-Dichlorophenol	mg/kg	-	-	ND (0.060)	ND (0.034)	ND (0.034)	ND (0.035)	ND (0.034)	ND (0.036)	ND (0.050)	ND (0.041)	ND (0.038)	ND (0.033)	ND (0.042)	ND (0.033)	ND (0.033)	ND (0.056)	ND (0.034)	ND (0.033)	ND (0.031)	ND (0.039)	ND (0.036)	ND (0.030)	ND (0.040)
2,4-Dimethylphenol	mg/kg	-	-	ND (0.13)	ND (0.071)	ND (0.071)	ND (0.074)	ND (0.071)	ND (0.075)	ND (0.10)	ND (0.085)	ND (0.080)	ND (0.069)	ND (0.087)	ND (0.070)	ND (0.069)	ND (0.12)	ND (0.071)	ND (0.070)	ND (0.065)	ND (0.082)	ND (0.075)	ND (0.063)	ND (0.084)
2,4-Dinitrophenol	mg/kg	-	-	ND (0.26) [c]	ND (0.15) [c]	ND (0.15) [c]	ND (0.16) [c]	ND (0.15) [c]	ND (0.16) [c]	ND (0.22) [c]	ND (0.18) [c]	ND (0.17) [c]	ND (0.15) [c]	ND (0.18) [c]	ND (0.15) [c]	ND (0.15)	ND (0.25)	ND (0.15)	ND (0.15)	ND (0.14)	ND (0.17)	ND (0.16)	ND (0.13) [c]	ND (0.18) [c]
4,6-Dinitro-o-cresol	mg/kg	-	-	ND (0.075) [c]	ND (0.043) [c]	ND (0.043) [c]	ND (0.044) [c]	ND (0.043) [c]	ND (0.045) [c]	ND (0.063) [c]	ND (0.051) [c]	ND (0.048) [c]	ND (0.042) [c]	ND (0.052) [c]	ND (0.042) [c]	ND (0.042)	ND (0.070)	ND (0.043)	ND (0.042)	ND (0.039)	ND (0.049)	ND (0.045)	ND (0.038) [c]	ND (0.051) [c]
2-Methylphenol	mg/kg	0.33	100	ND (0.045)	ND (0.026)	ND (0.025)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.038)	ND (0.030)	ND (0.029)	ND (0.025)	ND (0.031)	ND (0.025)	ND (0.025)	ND (0.042)	ND (0.026)	ND (0.025)	ND (0.023)	ND (0.030)	ND (0.027)	ND (0.023)	ND (0.030)
3&4-Methylphenol	mg/kg	-	-	ND (0.058)	ND (0.033)	ND (0.033)	ND (0.034)	ND (0.033)	ND (0.035)	ND (0.048)	ND (0.039)	ND (0.037)	ND (0.032)	ND (0.040)	ND (0.032)	ND (0.032)	ND (0.054)	ND (0.033)	ND (0.032)	ND (0.030)	ND (0.038)	ND (0.035)	ND (0.029)	ND (0.039)
2-Nitrophenol	mg/kg	-		ND (0.046) [c]	ND (0.026) [c]	ND (0.026) [c]	ND (0.027) [c]	ND (0.026) [c]	ND (0.028) [c]	ND (0.039) [c]	ND (0.031) [c]	ND (0.030) [c]	ND (0.026) [c]	ND (0.032) [c]	ND (0.026) [c]	ND (0.026)	ND (0.043)	ND (0.026)	ND (0.026)	ND (0.024)	ND (0.031)	ND (0.028)	ND (0.024) [c]	ND (0.031) [c]
4-Nitrophenol	mg/kg	-		ND (0.19)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.16)	ND (0.13)	ND (0.12)	ND (0.10)	ND (0.13)	ND (0.10)	ND (0.10)	ND (0.17)	ND (0.11)	ND (0.10)	ND (0.098)	ND (0.12)	ND (0.11)	ND (0.095)	ND (0.13)
Pentachlorophenol	mg/kg	0.8	6.7	ND (0.066)	ND (0.038)	ND (0.037)	ND (0.039)	ND (0.038)	ND (0.040)	ND (0.055)	ND (0.045)	ND (0.042)	ND (0.037)	ND (0.046)	ND (0.037)	ND (0.037)	ND (0.062)	ND (0.038)	ND (0.037)	ND (0.034)	ND (0.043)	ND (0.040)	ND (0.033)	ND (0.045)
Phenol	mg/kg	0.33	100	ND (0.037)	ND (0.021)	ND (0.021)	ND (0.022)	ND (0.021)	ND (0.022)	ND (0.031)	ND (0.025)	ND (0.023)	ND (0.020)	ND (0.025)	ND (0.020)	ND (0.020) [e]	ND (0.034) [e]	ND (0.021) [e]	ND (0.020)	ND (0.019)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.025)
2,3,4,6-Tetrachlorophenol	mg/kg	-	-	ND (0.047) [c]	ND (0.026) [c]	ND (0.026) [c]	ND (0.027) [c]	ND (0.026) [c]	ND (0.028) [c]	ND (0.039) [c]	ND (0.031) [c]	ND (0.030) [c]	ND (0.026) [c]	ND (0.032) [c]	ND (0.026) [c]	ND (0.026)	ND (0.043)	ND (0.026)	ND (0.026)	ND (0.024)	ND (0.031)	ND (0.028)	ND (0.024)	ND (0.031)
2,4,5-Trichlorophenol	mg/kg	-		ND (0.053)	ND (0.030)	ND (0.030)	ND (0.031)	ND (0.030)	ND (0.032)	ND (0.044)	ND (0.036)	ND (0.034)	ND (0.029)	ND (0.036)	ND (0.029)	ND (0.029)	ND (0.049)	ND (0.030)	ND (0.029)	ND (0.027)	ND (0.035)	ND (0.032)	ND (0.027)	ND (0.036)
2,4,6-Trichlorophenol	mg/kg	-		ND (0.042)	ND (0.024)	ND (0.024)	ND (0.025)	ND (0.024)	ND (0.025)	ND (0.035)	ND (0.028)	ND (0.027)	ND (0.023)	ND (0.029)	ND (0.023)	ND (0.023)	ND (0.039)	ND (0.024)	ND (0.023)	ND (0.022)	ND (0.028)	ND (0.025)	ND (0.021)	ND (0.028)
Acenaphthene	mg/kg	20	100	ND (0.024)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.020)	ND (0.016)	0.0654	14.6	ND (0.017)	ND (0.014)	ND (0.013)	ND (0.023)	ND (0.014)	ND (0.013)	ND (0.013)	ND (0.016)	ND (0.015)	ND (0.012)	ND (0.016)
Acenaphthylene	mg/kg	100	100	ND (0.036)	0.0312 J	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.030)	0.0247 J	0.0624	3.43	ND (0.025)	0.0313 J	ND (0.020) [e]	ND (0.033) [e]	ND (0.020) [e]	ND (0.020)	ND (0.019)	0.176	ND (0.021)	ND (0.018)	0.0303 J
Acetophenone	mg/kg	-	-	ND (0.015)	ND (0.0086)	ND (0.0086)	ND (0.0089)	ND (0.0086)	ND (0.0091)	ND (0.013)	ND (0.010)	ND (0.0096)	ND (0.0084)	ND (0.010)	ND (0.0084)	ND (0.0084)	ND (0.014)	ND (0.0086)	ND (0.0084)	ND (0.0079)	ND (0.0099)	ND (0.0091)	ND (0.0077)	ND (0.010)
Anthracene	mg/kg	100	100	ND (0.043)	ND (0.025)	ND (0.024)	ND (0.025)	ND (0.025)	ND (0.026)	ND (0.036)	ND (0.029)	0.0417 J	11.1	0.0578	0.0559	ND (0.024)	ND (0.040)	ND (0.024)	ND (0.024)	ND (0.023)	0.0734	ND (0.026)	ND (0.022)	ND (0.029)
Atrazine	mg/kg	-	-	ND (0.030)	ND (0.017)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.025)	ND (0.020)	ND (0.019)	ND (0.017)	ND (0.021)	ND (0.017)	ND (0.017)	ND (0.028)	ND (0.017)	ND (0.017)	ND (0.016)	ND (0.020)	ND (0.018)	ND (0.015)	ND (0.020)
Benzo(a)anthracene	mg/kg	1	1	0.0332 J	0.0752	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	0.0471 J	0.08	0.123	14.4	0.224	0.148	0.0246 J	0.0390 J	0.0176 J	ND (0.011)	0.0594	0.341	ND (0.012)	ND (0.010)	0.119
Benzo(a)pyrene	mg/kg	1	1	0.0645 J	0.142	0.0243 J	ND (0.019)	0.0274 J	0.0278 J	0.103	0.145	0.195	12.9	0.272	0.187	0.0328 J	0.0380 J	0.0209 J	ND (0.018)	0.078	0.485	ND (0.019)	ND (0.016)	0.17
Benzo(b)fluoranthene	mg/kg	1	1	0.0354 J	0.175	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)	0.0804	0.161	0.228	16.1	0.262	0.223	0.0422	0.0517 J	0.0270 J	ND (0.017)	0.0966	0.581	ND (0.019)	ND (0.016)	0.17
Benzo(g,h,i)perylene	mg/kg	100	100	ND (0.035)	0.1	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)	0.0557 J	0.0864	0.131	5.93	0.119	0.099	0.0265 J	ND (0.033)	ND (0.020)	ND (0.020)	0.0551	0.482	ND (0.021)	ND (0.018)	0.0752
Benzo(k)fluoranthene	mg/kg	0.8	3.9	ND (0.033)	0.0504	ND (0.019)	ND (0.019)	ND (0.019)	ND (0.020)	0.0281 J	0.0547	0.0679	2.72	0.103	0.0734	0.0220 J	ND (0.031)	ND (0.019)	ND (0.018)	0.0346 J	0.225	ND (0.020)	ND (0.017)	0.0370 J
4-Bromophenyl phenyl ether	mg/kg	-	-	ND (0.027)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.023)	ND (0.018)	ND (0.017)	ND (0.015)	ND (0.019)	ND (0.015)	ND (0.015)	ND (0.025)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.018)	ND (0.016)	ND (0.014)	ND (0.018)
Butyl benzyl phthalate	mg/kg	-		ND (0.017)	ND (0.0098)	ND (0.0097)	ND (0.010)	ND (0.0098)	ND (0.010)	ND (0.014)	ND (0.012)	ND (0.011)	ND (0.0095)	ND (0.012)	0.0488 J	ND (0.0095)	ND (0.016)	ND (0.0097)	ND (0.0095)	ND (0.0090)	ND (0.011)	ND (0.010)	ND (0.0087)	ND (0.012)
1,1'-Biphenyl	mg/kg	-		ND (0.0096)	ND (0.0055)	ND (0.0055)	ND (0.0057)	ND (0.0055)	ND (0.0058)	ND (0.0080)	ND (0.0065)	0.0094 J	0.729	ND (0.0067)	ND (0.0054)	ND (0.0053)	ND (0.0090)	ND (0.0055)	ND (0.0054)	ND (0.0050)	ND (0.0063)	ND (0.0058)	ND (0.0049)	ND (0.0065)
Benzaldehyde	mg/kg	-	-	ND (0.017)	ND (0.0099)	ND (0.0099)	ND (0.010)	ND (0.0099)	ND (0.010)	0.0589 J	ND (0.012)	ND (0.011)	ND (0.0097)	ND (0.012)	ND (0.0097)	ND (0.0097)	0.0398 J	ND (0.0099)	ND (0.0097)	ND (0.0091)	ND (0.011)	ND (0.010)	ND (0.0088)	ND (0.012)
2-Chloronaphthalene	mg/kg	-	-	ND (0.017)	ND (0.0095)	ND (0.0095)	ND (0.0098)	ND (0.0095)	ND (0.010)	ND (0.014)	ND (0.011)	ND (0.011)	ND (0.0093)	ND (0.012)	ND (0.0093)	ND (0.0093)	ND (0.016)	ND (0.0095)	ND (0.0093)	ND (0.0087)	ND (0.011)	ND (0.010)	ND (0.0085)	ND (0.011)
4-Chloroaniline	mg/kg	-		ND (0.025)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.021)	ND (0.017)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.014)	ND (0.014)	ND (0.024)	ND (0.014)	ND (0.014)	ND (0.013)	ND (0.017)	ND (0.015)	ND (0.013)	ND (0.017)
Carbazole	mg/kg	-	-	ND (0.010)	0.0125 J	ND (0.0058)	ND (0.0060)	ND (0.0058)	ND (0.0061)	ND (0.0085)	0.0196 J	0.0140 J	1.59	0.0088 J	ND (0.0057)	ND (0.0056)	ND (0.0095)	ND (0.0058)	ND (0.0057)	ND (0.0053)	0.0361 J	ND (0.0061)	ND (0.0052)	ND (0.0069)
Caprolactam	mg/kg	-	-	ND (0.028)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.023)	ND (0.019)	ND (0.018)	ND (0.015)	ND (0.019)	ND (0.015)	ND (0.015)	ND (0.026) [c]	ND (0.016) [c]	ND (0.015) [c]	ND (0.014) [c]	0.0560 J [c]	ND (0.017) [c]	ND (0.014)	ND (0.019)
Chrysene	mg/kg	1	3.9	ND (0.022)	0.106	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	0.0397 J	0.102	0.139	10.3	0.189	0.120	0.0300 J	0.0295 J	0.0176 J	ND (0.012)	0.0664	0.386	ND (0.013)	ND (0.011)	0.101
bis(2-Chloroethoxy)methane	mg/kg	-	-	ND (0.015)	ND (0.0086)	ND (0.0085)	ND (0.0089)	ND (0.0086)	ND (0.0090)	ND (0.013)	ND (0.010)	ND (0.0096)	ND (0.0083)	ND (0.010)	ND (0.0084)	ND (0.0083)	ND (0.014)	ND (0.0085)	ND (0.0084)	ND (0.0079)	ND (0.0099)	ND (0.0090)	ND (0.0076)	ND (0.010)
bis(2-Chloroethyl)ether	mg/kg	-	-	ND (0.030)	ND (0.017)	ND (0.017)	ND (0.018)	ND (0.017)	ND (0.018)	ND (0.025)	ND (0.020)	ND (0.019)	ND (0.017)	ND (0.021)	ND (0.017)	ND (0.017) [c]	ND (0.028) [c]	ND (0.017) [c]	ND (0.017)	ND (0.016)	ND (0.020)	ND (0.018)	ND (0.015)	ND (0.020)
2,2'-Oxybis(1-chloropropane)	mg/kg	-	-	ND (0.025)	ND (0.014)	ND (0.014)	ND (0.015)	ND (0.014)	ND (0.015)	ND (0.021)	ND (0.017)	ND (0.016)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.014) [c]	ND (0.024) [c]	ND (0.014) [c]	ND (0.014)	ND (0.013)	ND (0.017)	ND (0.015)	ND (0.013)	ND (0.017)
4-Chlorophenyl phenyl ether	mg/kg	-	-	ND (0.023)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)	ND (0.019)	ND (0.015)	ND (0.014)	ND (0.013)	ND (0.016)	ND (0.013)	ND (0.013)	ND (0.021)	ND (0.013)	ND (0.013)	ND (0.012)	ND (0.015)	ND (0.014)	ND (0.012)	ND (0.015)
2,4-Dinitrotoluene	mg/kg	-	-	ND (0.022)	ND (0.012)	ND (0.012)	ND (0.013)	ND (0.012)	ND (0.013)	ND (0.018)	ND (0.015)	ND (0.014)	ND (0.012)	ND (0.015)	ND (0.012)	ND (0.012)	ND (0.020)	ND (0.012)	ND (0.012)	ND (0.011)	ND (0.014)	ND (0.013)	ND (0.011)	ND (0.015)
2,6-Dinitrotoluene	mg/kg	-	-	ND (0.035)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.020)	ND (0.021)	ND (0.029)	ND (0.024)	ND (0.023)	ND (0.020)	ND (0.024)	ND (0.020)	ND (0.020)	ND (0.033)	ND (0.020)	ND (0.020)	ND (0.018)	ND (0.023)	ND (0.021)	ND (0.018)	ND (0.024)
3,3'-Dichlorobenzidine	mg/kg	-	-	ND (0.059) [c]	ND (0.033) [c]	ND (0.033) [c]	ND (0.034) [c]	ND (0.033) [c]	ND (0.035) [c]	ND (0.049) [c]	ND (0.040) [c]	ND (0.037) [c]	ND (0.032) [c]	ND (0.041) [c]	ND (0.033) [c]	ND (0.032)	ND (0.055)	ND (0.033)	ND (0.033)	ND (0.031)	ND (0.039)	ND (0.035)	ND (0.030) [c]	ND (0.040) [c]
1,4-Dioxane	mg/kg	0.1	13	ND (0.046)	ND (0.026)	ND (0.026)	ND (0.027)	ND (0.026)	ND (0.028)	ND (0.039)	ND (0.031)	ND (0.030)	ND (0.026)	ND (0.032)	ND (0.026)	ND (0.026)	ND (0.043)	ND (0.026)	ND (0.026)	ND (0.024)	ND (0.031)	ND (0.028)	ND (0.024)	ND (0.031)
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	0.0434 J	0.0547	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)	0.0420 J	0.0402 J	0.0573	1.92	0.0617	0.0475	ND (0.017)	ND (0.029)	ND (0.018)	ND (0.017)	ND (0.016)	0.101	ND (0.019)	ND (0.016)	0.0441 J
Dibenzofuran	mg/kg	7	59	ND (0.029)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.024)	ND (0.019)	0.0321 J	6.7	ND (0.020)	ND (0.016)	ND (0.016)	ND (0.027)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.019)	ND (0.017)	ND (0.015)	ND (0.019)
Di-n-butyl phthalate	mg/kg	-		ND (0.011)	ND (0.0065)	ND (0.0065)	ND (0.0067)	ND (0.0065)	ND (0.0069)	ND (0.0096)	ND (0.0077)	ND (0.0073)	ND (0.0064)	ND (0.0079)	ND (0.0064)	ND (0.0064)	ND (0.011)	ND (0.0065)	ND (0.0064)	ND (0.0060)	ND (0.0075)	ND (0.0069)	ND (0.0058)	ND (0.0077)
Di-n-octyl phthalate	mg/kg	-		ND (0.018)	ND (0.010)	ND (0.0099)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.011)	ND (0.0097)	ND (0.012)	ND (0.0098)	ND (0.0097)	ND (0.016)	ND (0.0099)	ND (0.0097) [c]	ND (0.0091) [c]	ND (0.012) [c]	ND (0.010) [c]	ND (0.0089)	ND (0.012)
Diethyl phthalate	mg/kg	-		ND (0.015)	ND (0.0085)	ND (0.0085)	ND (0.0088)	ND (0.0085)	ND (0.0090)	ND (0.013)	ND (0.010)	ND (0.0095)	ND (0.0083)	ND (0.010)	ND (0.0083)	ND (0.0083)	ND (0.014)	ND (0.0085)	ND (0.0083)	ND (0.0078)	ND (0.0099)	ND (0.0090)	ND (0.0076)	ND (0.010)
Dimethyl phthalate	mg/kg	-		ND (0.013)	ND (0.0071)	ND (0.0071)	ND (0.0074)	ND (0.0071)	ND (0.0075)	ND (0.010)	ND (0.0085)	ND (0.0080)	ND (0.0069)	ND (0.0087)	ND (0.0070)	ND (0.0069)	ND (0.012)	ND (0.0071)	ND (0.0070)	ND (0.0065)	ND (0.0082)	ND (0.0075)	ND (0.0063)	ND (0.0084)
bis(2-Ethylhexyl)phthalate	mg/kg	-		ND (0.016)	ND (0.0094)	0.0354 J	ND (0.0097)	0.0210 J	ND (0.0099)	ND (0.014)	ND (0.011)	0.0149 J	0.0387 J	ND (0.011)	0.0128 J	ND (0.0091)	ND (0.015)	ND (0.0093)	0.0457 J	ND (0.0086)	ND (0.011)	ND (0.0099)	ND (0.0083)	ND (0.011)
Fluoranthene	mg/kg	100	100	0.0347 J	0.186	ND (0.018)	ND (0.018)	ND (0.018)	ND (0.019)	0.0604	0.205	0.241	29.4	0.346	0.279	0.0431	0.0545 J	0.0227 J	ND (0.017)	0.0793	0.554	ND (0.019)	ND (0.016)	0.171
Fluorene	mg/kg	30	100	ND (0.032)	ND (0.018)	ND (0.018)	ND (0.019)	ND (0.018)	ND (0.019)	ND (0.027)	ND (0.022)	0.0646	15.1	0.0266 J	ND (0.018)	ND (0.018)	ND (0.030)	ND (0.018)	ND (0.018)	ND (0.017)	0.0220 J	ND (0.019)	ND (0.016)	ND (0.022)
Hexachlorobenzene	mg/kg	0.33	1.2	ND (0.018)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.011)	ND (0.0099)	ND (0.012)	ND (0.0099)	ND (0.0099)	ND (0.017)	ND (0.010)	ND (0.0099)	ND (0.0093)	ND (0.012)	ND (0.011)	ND (0.0090)	ND (0.012)
Hexachlorobutadiene	mg/kg	-	-	ND (0.028)	ND (0.016)	ND (0.016)	ND (0.017)	ND (0.016)	ND (0.017)	ND (0.024)	ND (0.019)	ND (0.018)	ND (0.016)	ND (0.020)	ND (0.016)	ND (0.016)	ND (0.026)	ND (0.016)	ND (0.016)	ND (0.015)	ND (0.019)	ND (0.017)	ND (0.014)	ND (0.019)
Hexachlorocyclopentadiene	mg/kg	-		ND (0.028) [c]	ND (0.016) [c]	ND (0.016) [c]	ND (0.016) [c]	ND (0.016) [c]	ND (0.017) [c]	ND (0.023) [c]	ND (0.019) [c]	ND (0.018) [c]	ND (0.016) [c]	ND (0.019) [c]	ND (0.016) [c]	ND (0.016) [e]	ND (0.026) [e]	ND (0.016) [e]	ND (0.016)	ND (0.015)	ND (0.018)	ND (0.017)	ND (0.014) [c]	ND (0.019) [c]
Hexachloroethane	mg/kg	-	-	ND (0.035)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.020)	ND (0.021)	ND (0.029)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.024)	ND (0.019)	ND (0.019)	ND (0.032)	ND (0.020)	ND (0.019)	ND (0.018)	ND (0.023)	ND (0.021)	ND (0.018)	ND (0.023)
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	0.0531 J	0.0954	ND (0.019)	ND (0.019)	0.0225 J	0.0244 J	0.0777	0.0964	0.131	8.16	0.133	0.115	0.0296 J	ND (0.031)	ND (0.019)	ND (0.018)	0.0487	0.399	ND (0.020)	ND (0.017)	0.0902
Isophorone	mg/kg	-		ND (0.015)	ND (0.0086)	ND (0.0085)	ND (0.0089)	ND (0.0086)	ND (0.0090)	ND (0.013)	ND (0.010)	ND (0.0096)	ND (0.0083)	ND (0.010)	ND (0.0084)	ND (0.0083)	ND (0.014)	ND (0.0085)	ND (0.0084)	ND (0.0079)	ND (0.0099)	ND (0.0090)	ND (0.0076)	ND (0.010)
2-Methylnaphthalene	mg/kg	-		ND (0.016)	0.0109 J	ND (0.0090)	ND (0.0093)	ND (0.0090)	ND (0.0095)	ND (0.013)	ND (0.011)	0.056	14.2	ND (0.011)	ND (0.0089)	ND (0.0088)	ND (0.015)	ND (0.0090)	ND (0.0088)	ND (0.0083)	0.0172 J	ND (0.0095)	ND (0.0081)	ND (0.011)
2-Nitroaniline	mg/kg	-		ND (0.017)	ND (0.0094)	ND (0.0094)	ND (0.0098)	ND (0.0094)	ND (0.010)	ND (0.014)	ND (0.011)	ND (0.011)	ND (0.0092)	ND (0.011)	ND (0.0092)	ND (0.0092) [c]	ND (0.015) [c]	ND (0.0094) [c]	ND (0.0092) [c]	ND (0.0087) [c]	ND (0.011) [c]	ND (0.0099) [c]	ND (0.0084)	ND (0.011)
3-Nitroaniline	mg/kg	-		ND (0.018)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.011)	ND (0.0097)	ND (0.012)	ND (0.0098)	ND (0.0097)	ND (0.016)	ND (0.010)	ND (0.0098)	ND (0.0092)	ND (0.012)	ND (0.011)	ND (0.0089)	ND (0.012)
4-Nitroaniline	mg/kg	-	-	ND (0.018)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.012)	ND (0.010)	ND (0.013)	ND (0.010)	ND (0.010)	ND (0.017)	ND (0.010)	ND (0.010)	ND (0.0095)	ND (0.012)	ND (0.011)	ND (0.0092)	ND (0.012)
Naphthalene	mg/kg	12	100	ND (0.020)	0.0175 J	ND (0.011)	ND (0.012)	ND (0.011)	ND (0.012)	ND (0.017)	0.0153 J	0.145	8.4	0.0203 J	ND (0.011)	ND (0.011)	0.0191 J	ND (0.011)	ND (0.011)	ND (0.010)	0.0349 J	ND (0.012)	ND (0.010)	ND (0.013)
Nitrobenzene	mg/kg	-	15	ND (0.027)	ND (0.015)	ND (0.015)	ND (0.016)	ND (0.015)	ND (0.016)	ND (0.023)	ND (0.018)	ND (0.017)	ND (0.015)	ND (0.019)	ND (0.015)	ND (0.015)	ND (0.025)	ND (0.015)	ND (0.015)	ND (0.014)	ND (0.018)	ND (0.016)	ND (0.014)	ND (0.018)
N-Nitroso-di-n-propylamine	mg/kg	-	-	ND (0.020)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.012)	ND (0.017)	ND (0.014)	ND (0.013)	ND (0.011)	ND (0.014)	ND (0.011)	ND (0.011)	ND (0.019)	ND (0.012)	ND (0.011) [c]	ND (0.011) [c]	ND (0.013) [c]	ND (0.012) [c]	ND (0.010)	ND (0.014)
N-Nitrosodiphenylamine	mg/kg	-	-	ND (0.026)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.015)	ND (0.021)	ND (0.017)	ND (0.016)	ND (0.014)	ND (0.018)	ND (0.014)	ND (0.014)	ND (0.024)	ND (0.015)	ND (0.014)	ND (0.013)	ND (0.017)	ND (0.015)	ND (0.013)	ND (0.017)
Phenanthrene	mg/kg	100	100	ND (0.024)	0.0993	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.014)	0.0302 J	0.115	0.1	37.6	0.136	0.137	0.0167 J	0.0408 J	ND (0.013)	ND (0.013)	0.0341 J	0.184	ND (0.014)	ND (0.012)	0.0458 J
Pyrene	mg/kg	100	100	0.0321 J	0.169	ND (0.013)	ND (0.013)	ND (0.013)	ND (0.014)	0.0472 J	0.186	0.203	22.2	0.31	0.23	0.0467	0.066	0.0263 J	0.0177 J	0.0902	0.584	ND (0.013)	ND (0.011)	0.137
1,2,4,5-Tetrachlorobenzene	mg/kg	-	-	ND (0.018)	ND (0.010)	ND (0.010)	ND (0.011)	ND (0.010)	ND (0.011)	ND (0.015)	ND (0.012)	ND (0.011)	ND (0.0099)	ND (0.012)	ND (0.010)	ND (0.0099)	ND (0.017)	ND (0.010)	ND (0.0099)	ND (0.0093)	ND (0.012)	ND (0.011)	ND (0.0091)	ND (0.012)

Table 3.1
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

Client Sample ID:		USCOs	RRSCOs	SB121 (9-9.5)	SB120 (3-3.5)	SB118 (5-5.5)	SB119 (8-8.5)	SB114 (4-4.5)	SB110 (4.5-5)	SB109 (9.5-10)	SB113 (8.5-9)	SB103 (4.5-5)	SB104 (7-7.5)	SB105 (8-8.5)	SB106 (5.5-6)	SB115(3.5-4)	SB117(9-9.5)	SB116(11-11.5)	SB112 (6-6.5)	SB111 (2.5-3)	SB108 (3.5'-4')	SB107 (6.5'-7')	SB-102 (3-3.5)	SB-101 (2.5-3)
Lab Sample ID:				JD78884-1	JD78884-2	JD78884-3	JD78884-4	JD78884-5	JD78884-6	JD78884-7	JD78884-8	JD78884-9	JD78884-10	JD78884-11	JD78884-12	JD79009-1	JD79009-2	JD79009-3	JD79126-1	JD79126-2	JD79126-3	JD79126-4	JD79288-1	JD79288-2
Date Sampled:				12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/13/2023	12/14/2023	12/14/2023	12/14/2023	12/15/2023	12/15/2023	12/18/2023	12/18/2023	12/19/2023	12/19/2023
Matrix:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
MS Semi-volatile TIC																								
Total TIC, Semi-Volatile	mg/kg	-	-	27.06 J	1.77 J	0.89 J	0	0	0	7.85 J	2.93 J	2.23 J	38.48 J	0.8 J	0	0.82 J	15.67 J	0.98 J	8.71 J	0.62 J	3.26 J	2.14 J	1.69 J	1.28 J
GC/LC Semi-volatiles (SW846																								
Aldrin	mg/kg	0.005	0.097	ND (0.00016)	ND (0.000086)	ND (0.000085)	ND (0.000095)	ND (0.000094)	ND (0.000090)	ND (0.00014)	ND (0.00011)	ND (0.00010)	ND (0.000091)	ND (0.00011)	ND (0.000089)	ND (0.000091)	ND (0.00014)	ND (0.000087)	ND (0.000092)	ND (0.000085)	ND (0.00010)	ND (0.000097)	ND (0.000080)	ND (0.00010)
alpha-BHC	mg/kg	0.02	0.48	ND (0.000095)	ND (0.000051)	ND (0.000050)	ND (0.000056)	ND (0.000056)	ND (0.000053)	ND (0.000082)	ND (0.000067)	ND (0.000060)	0.00093 [g]	ND (0.000065)	ND (0.000052)	ND (0.000054)	0.000090 J [g]	ND (0.000051)	ND (0.000054)	ND (0.000050)	ND (0.000062)	ND (0.000057)	ND (0.000047)	ND (0.000060)
beta-BHC	mg/kg	0.036	0.36	ND (0.00012)	ND (0.000064)	ND (0.000063)	ND (0.000071)	ND (0.000070)	ND (0.000067)	ND (0.00010)	ND (0.000084)	ND (0.000075)	ND (0.000068)	ND (0.000081)	ND (0.000066)	0.000084 J [g]	ND (0.00011)	ND (0.000065)	ND (0.000068)	ND (0.000063)	ND (0.000078)	ND (0.000072)	ND (0.000059)	ND (0.000075)
delta-BHC	mg/kg	0.04	100	ND (0.00012)	ND (0.000066)	ND (0.000065)	ND (0.000073)	ND (0.000072)	ND (0.000070)	ND (0.00011)	ND (0.000087)	ND (0.000078)	0.00099 [g]	ND (0.000084)	ND (0.000068)	ND (0.000070)	0.00083 [h]	0.00010 J [i]	ND (0.000071)	ND (0.000066)	ND (0.000081)	ND (0.000075)	ND (0.000061)	ND (0.000078)
gamma-BHC (Lindane)	mg/kg	0.1	1.3	ND (0.00014)	ND (0.000077)	ND (0.000076)	ND (0.000085)	ND (0.000085)	ND (0.000081)	ND (0.00012)	ND (0.00010)	0.00039 J [g]	0.00061 [g]	ND (0.000098)	ND (0.000080)	ND (0.000082)	ND (0.00013)	ND (0.000078)	ND (0.000083)	ND (0.000077)	ND (0.000094)	ND (0.000087)	ND (0.000072)	ND (0.000091)
alpha-Chlordane	mg/kg	0.094	4.2	ND (0.00011)	0.00018 J	ND (0.000059)	ND (0.000066)	0.00024 J [g]	ND (0.000063)	ND (0.000096)	ND (0.000078)	0.00029 J	0.0060 [g]	0.00016 J [g]	0.00054	ND (0.000063)	ND (0.000099)	0.0162 [h]	ND (0.000064)	ND (0.000059)	0.00013 J	ND (0.000067)	ND (0.000055)	ND (0.000070)
gamma-Chlordane	mg/kg	-	-	ND (0.00012)	0.00023 J [g]	ND (0.000065)	ND (0.000073)	0.00016 J [g]	ND (0.000070)	ND (0.00011)	ND (0.000087)	0.00053 [g]	0.0095 [g]	0.000095 J	0.00016 J [g]	0.00012 J	ND (0.00011)	0.0093 [i]	ND (0.000071)	ND (0.000066)	ND (0.000081)	ND (0.000075)	ND (0.000061)	ND (0.000078)
Dieldrin	mg/kg	0.005	0.2	ND (0.00013)	ND (0.000071)	ND (0.000070)	ND (0.000078)	ND (0.000077)	ND (0.000074)	ND (0.00011)	ND (0.000093)	ND (0.000083)	ND (0.000075)	ND (0.000090)	ND (0.000073)	ND (0.000075)	ND (0.00012)	**0.0056** [i]	ND (0.000076)	ND (0.000070)	ND (0.000086)	ND (0.000080)	ND (0.000065)	ND (0.000083)
4,4'-DDD	mg/kg	0.0033	13	ND (0.000087)	0.00034 J [g]	ND (0.000046)	ND (0.000051)	ND (0.000051)	0.000083 J [g]	ND (0.000075)	ND (0.000061)	**0.0092**	**0.0070** [g]	ND (0.000059)	0.00028 J	0.00060 [g]	ND (0.000077)	ND (0.000047)	ND (0.000050)	ND (0.000046)	0.0033	ND (0.000052)	ND (0.000043)	ND (0.000055)
4,4'-DDE	mg/kg	0.0033	8.9	ND (0.000099)	0.00055	0.000094 J [g]	ND (0.000058)	ND (0.000058)	ND (0.000056)	ND (0.000085)	ND (0.000070)	0.00031 J [g]	0.0029 [g]	ND (0.000067)	ND (0.000055)	**0.0078** [g]	0.00033 J [h]	0.00023 J [i]	0.000078 J [g]	ND (0.000053)	0.0017	ND (0.000060)	ND (0.000049)	ND (0.000062)
4,4'-DDT	mg/kg	0.0033	7.9	ND (0.00014)	0.00034 J [g]	ND (0.000076)	ND (0.000085)	ND (0.000085)	ND (0.000081)	ND (0.00012)	ND (0.00010)	0.0021	0.0021 [g]	ND (0.000098)	0.00012 J	0.00048	0.00023 J [i]	0.00021 J	0.00011 J	0.00029 J [k]	0.0016	ND (0.000087)	ND (0.000072)	ND (0.000091)
Endrin	mg/kg	0.014	11	ND (0.00012)	ND (0.000064)	ND (0.000063)	ND (0.000071)	ND (0.000070)	ND (0.000067)	ND (0.00010)	ND (0.000084)	ND (0.000075)	ND (0.000068)	ND (0.000081)	ND (0.000066)	ND (0.000068)	ND (0.00011)	ND (0.000065)	ND (0.000068)	ND (0.000063)	ND (0.000078)	ND (0.000072)	ND (0.000059)	ND (0.000075)
Endosulfan sulfate	mg/kg	2.4	24	ND (0.000099)	ND (0.000053)	ND (0.000052)	ND (0.000058)	ND (0.000058)	ND (0.000056)	ND (0.000085)	ND (0.000070)	ND (0.000062)	0.0171 [g]	ND (0.000067)	ND (0.000055)	ND (0.000056)	ND (0.000088)	ND (0.000054)	ND (0.000057)	ND (0.000053)	ND (0.000064)	ND (0.000060)	ND (0.000049)	ND (0.000062)
Endrin aldehyde	mg/kg	-	-	ND (0.00024)	ND (0.00013)	ND (0.00013)	ND (0.00014)	ND (0.00014)	ND (0.00013)	ND (0.00021)	ND (0.00017)	ND (0.00015)	ND (0.00014)	ND (0.00016)	ND (0.00013)	ND (0.00014)	ND (0.00021)	ND (0.00013)	ND (0.00014)	ND (0.00013)	ND (0.00016)	ND (0.00014)	ND (0.00012)	ND (0.00015)
Endosulfan-I	mg/kg	2.4	24	ND (0.00011)	ND (0.000060)	ND (0.000059)	ND (0.000066)	ND (0.000065)	ND (0.000063)	ND (0.000096)	ND (0.000078)	ND (0.000070)	ND (0.000063)	ND (0.000076)	ND (0.000061)	ND (0.000063)	ND (0.000099)	ND (0.000060)	ND (0.000064)	ND (0.000059)	ND (0.000073)	ND (0.000067)	ND (0.000055)	ND (0.000070)
Endosulfan-II	mg/kg	2.4	24	ND (0.00012)	ND (0.000062)	ND (0.000061)	ND (0.000068)	ND (0.000068)	ND (0.000065)	ND (0.00010)	ND (0.000081)	ND (0.000073)	ND (0.000066)	ND (0.000079)	ND (0.000064)	ND (0.000066)	ND (0.00010)	ND (0.000063)	ND (0.000066)	ND (0.000061)	ND (0.000075)	ND (0.000070)	ND (0.000057)	ND (0.000073)
Heptachlor	mg/kg	0.042	2.1	ND (0.00011)	ND (0.000057)	ND (0.000057)	ND (0.000063)	ND (0.000063)	ND (0.000060)	ND (0.000093)	ND (0.000075)	ND (0.000067)	ND (0.000061)	ND (0.000073)	ND (0.000059)	ND (0.000061)	ND (0.000095)	ND (0.000058)	ND (0.000061)	ND (0.000057)	ND (0.000070)	ND (0.000065)	ND (0.000053)	ND (0.000068)
Heptachlor epoxide	mg/kg	-	-	ND (0.00015)	0.00030 J	ND (0.000078)	ND (0.000088)	ND (0.000087)	ND (0.000083)	ND (0.00013)	ND (0.00010)	0.00035 J	ND (0.000084)	ND (0.00010)	ND (0.000082)	ND (0.000084)	ND (0.00013)	0.00086 [i]	ND (0.000085)	ND (0.000079)	ND (0.000097)	ND (0.000089)	ND (0.000074)	ND (0.000094)
Methoxychlor	mg/kg	-	-	ND (0.00033)	ND (0.00017)	ND (0.00017)	ND (0.00019)	ND (0.00019)	ND (0.00018)	ND (0.00028)	ND (0.00023)	ND (0.00021)	ND (0.00019)	ND (0.00022)	ND (0.00018)	0.00056 [g]	ND (0.00029)	ND (0.00018)	ND (0.00019)	ND (0.00017)	ND (0.00021)	ND (0.00020)	ND (0.00016)	ND (0.00021)
Endrin ketone	mg/kg	-	-	ND (0.00013)	ND (0.000071)	ND (0.000070)	ND (0.000078)	ND (0.000077)	ND (0.000074)	ND (0.00011)	ND (0.000093)	ND (0.000083)	ND (0.000075)	ND (0.000090)	ND (0.000073)	ND (0.000075)	ND (0.00012)	ND (0.000071)	ND (0.000076)	ND (0.000070)	ND (0.000086)	ND (0.000080)	ND (0.000065)	ND (0.000083)
Toxaphene	mg/kg	-	-	ND (0.0068)	ND (0.0036)	ND (0.0036)	ND (0.0040)	ND (0.0040)	ND (0.0038)	ND (0.0059)	ND (0.0048)	ND (0.0043)	ND (0.0039)	ND (0.0046)	ND (0.0038)	ND (0.0039)	ND (0.0060)	ND (0.0037)	ND (0.0039)	ND (0.0036)	ND (0.0044)	ND (0.0041)	ND (0.0034)	ND (0.0043)
GC/LC Semi-volatiles (SW846																								
Aroclor 1016	mg/kg	0.1	1	ND (0.018)	ND (0.0094)	ND (0.0093)	ND (0.010)	ND (0.010)	ND (0.0099)	ND (0.015)	ND (0.012)	ND (0.011)	ND (0.010)	ND (0.012)	ND (0.0097)	ND (0.010)	ND (0.016)	ND (0.0095)	ND (0.010)	ND (0.0093)	ND (0.011)	ND (0.011)	ND (0.0087)	ND (0.011)
Aroclor 1221	mg/kg	0.1	1	ND (0.014)	ND (0.0074)	ND (0.0073)	ND (0.0082)	ND (0.0081)	ND (0.0078)	ND (0.012)	ND (0.0097)	ND (0.0087)	ND (0.0079)	ND (0.0094)	ND (0.0076)	ND (0.0079)	ND (0.012)	ND (0.0075)	ND (0.0079)	ND (0.0074)	ND (0.0090)	ND (0.0084)	ND (0.0069)	ND (0.0087)
Aroclor 1232	mg/kg	0.1	1	ND (0.034)	ND (0.018)	ND (0.018)	ND (0.020)	ND (0.020)	ND (0.019)	ND (0.030)	ND (0.024)	ND (0.022)	ND (0.019)	ND (0.023)	ND (0.019)	ND (0.019)	ND (0.030)	ND (0.019)	ND (0.020)	ND (0.018)	ND (0.022)	ND (0.021)	ND (0.017)	ND (0.022)
Aroclor 1242	mg/kg	0.1	1	ND (0.025)	ND (0.013)	ND (0.013)	ND (0.015)	ND (0.014)	ND (0.014)	ND (0.021)	ND (0.017)	ND (0.016)	ND (0.014)	ND (0.017)	ND (0.014)	ND (0.014)	ND (0.022)	ND (0.013)	ND (0.014)	ND (0.013)	ND (0.016)	ND (0.015)	ND (0.012)	ND (0.016)
Aroclor 1248	mg/kg	0.1	1	ND (0.0089)	ND (0.0048)	ND (0.0047)	ND (0.0053)	ND (0.0052)	ND (0.0050)	ND (0.0077)	ND (0.0063)	ND (0.0056)	ND (0.0051)	ND (0.0061)	ND (0.0049)	ND (0.0051)	ND (0.0079)	ND (0.0048)	ND (0.0051)	ND (0.0047)	ND (0.0058)	ND (0.0054)	ND (0.0044)	ND (0.0056)
Aroclor 1254	mg/kg	0.1	1	ND (0.0045)	ND (0.0024)	ND (0.0024)	ND (0.0026)	ND (0.0026)	ND (0.0025)	ND (0.0038)	ND (0.0031)	0.0118 J	ND (0.0025)	ND (0.0030)	ND (0.0025)	ND (0.0025)	ND (0.0039)	ND (0.0024)	ND (0.0026)	ND (0.0024)	ND (0.0029)	ND (0.0027)	ND (0.0022)	ND (0.0028)
Aroclor 1260	mg/kg	0.1	1	ND (0.014)	ND (0.0076)	ND (0.0075)	ND (0.0084)	ND (0.0083)	ND (0.0080)	ND (0.012)	ND (0.010)	ND (0.0090)	ND (0.0081)	ND (0.0097)	ND (0.0079)	ND (0.0081)	ND (0.013)	ND (0.0077)	ND (0.0081)	ND (0.0075)	ND (0.0093)	ND (0.0086)	ND (0.0071)	ND (0.0090)
Aroclor 1268	mg/kg	0.1	1	ND (0.0042)	ND (0.0022)	ND (0.0022)	ND (0.0025)	ND (0.0024)	ND (0.0023)	ND (0.0036)	ND (0.0029)	ND (0.0026)	ND (0.0024)	ND (0.0028)	ND (0.0023)	ND (0.0024)	ND (0.0037)	ND (0.0023)	ND (0.0024)	ND (0.0022)	ND (0.0027)	ND (0.0025)	ND (0.0021)	ND (0.0026)
Aroclor 1262	mg/kg	0.1	1	ND (0.0034)	ND (0.0018)	ND (0.0018)	ND (0.0020)	ND (0.0020)	ND (0.0019)	ND (0.0030)	ND (0.0024)	ND (0.0022)	ND (0.0020)	ND (0.0023)	ND (0.0019)	ND (0.0020)	ND (0.0030)	ND (0.0019)	ND (0.0020)	ND (0.0018)	ND (0.0022)	ND (0.0021)	ND (0.0017)	ND (0.0022)
Metals Analysis																								
Aluminum	mg/kg	-		15800	5200	4180	4420	3920	5160	7820	5070	7610	9070	15100	8340	15000	25500	4150	4290	10400	9060	4430	11200	5470
Antimony	mg/kg	-	-	ND (4.2)	ND (2.3)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.6)	ND (3.5)	ND (2.9)	ND (2.6)	ND (2.4)	ND (3.0)	ND (2.3)	ND (2.3)	ND (3.9)	ND (2.3)	ND (1.6)	ND (2.2)	ND (1.9)	ND (1.6)	ND (2.1)	ND (1.9)
Arsenic	mg/kg	13	16	8.3	2.8	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.6)	9.8	6.8	6.1	7.5	7.4	4.2	3.3	**15.8**	ND (2.3)	ND (1.6)	2.7	3.1	ND (1.6)	ND (2.1)	4.1
Barium	mg/kg	350	400	71.6	28.1	ND (24)	ND (25)	ND (25)	ND (26)	260	179	97.6	80.4	50.5	51.9	82.3	114	26.4	18.5	87	63.5	28.8	103	98.2
Beryllium	mg/kg	7.2	72	1.9	0.52	0.56	0.63	0.54	0.6	0.91	1.5	0.78	0.35	1.3	0.95	0.54	0.93	ND (0.23)	0.31	0.71	0.32	ND (0.16)	0.65	0.28
Cadmium	mg/kg	2.5	4.3	ND (1.1)	ND (0.58)	ND (0.60)	ND (0.62)	ND (0.62)	ND (0.65)	ND (0.87)	ND (0.73)	**3.5**	ND (0.61)	ND (0.76)	ND (0.56)	ND (0.57)	ND (0.99)	ND (0.57)	ND (0.41)	ND (0.55)	ND (0.47)	ND (0.41)	ND (0.52)	ND (0.48)
Calcium	mg/kg	-		5730	2070	2500	2480	1360	1160	8190	16000	21800	6920	3080	5130	1890	7260	1000	5630	3980	2830	1320	1960	44600
Chromium	mg/kg	-	-	29.8	11.4	7.7	9.3	7.1	11	19.1	18.7	15.1	20	28.5	17.7	33.3	51.9	9.1	9.8	32.3	16.3	8.5	20.9	8.8
Cobalt	mg/kg	-		ND (11)	ND (5.8)	ND (6.0)	ND (6.2)	ND (6.2)	ND (6.5)	ND (8.7)	ND (7.3)	ND (6.4)	9.6	11.4	6.8	11	16.3	ND (5.7)	ND (4.1)	8.2	6.7	ND (4.1)	8.3	ND (4.8)
Copper	mg/kg	50	270	20.2	9	4.4	4.4	4.1	6.5	43.4	**212**	**51.4**	**61.6** [l]	27.8	**51**	20.3	47.3	4.8	15.4	18.6	18.2	7.8	18	8.6
Iron	mg/kg	-		28100	8890	8180	8510	6560	10800	19400	10100	15600	29600	24900	14700	22000	38200	8160	9390	17000	13800	8060	19700	17400
Lead	mg/kg	63	400	32.9	15.7	ND (2.4)	ND (2.5)	3.9	4.3	**799**	**460**	**135**	**203**	**63.7**	53	20.4	**106**	3.7	10.4	20.2	39.5	3.1	6.9	53.4
Magnesium	mg/kg	-	-	6480	2280	2480	2510	1690	2340	3380	3040	13900	4770	5920	4800	5230	10700	1770	4040	6160	4100	2430	4340	26900
Manganese	mg/kg	1600	2000	316	119	93.7	90.3	68.3	109	162	124	183	320	286	161	315	341	92.4	93.7	326	152	128	371	165
Mercury	mg/kg	0.18	0.81	**0.22**	0.075	ND (0.031)	ND (0.033)	ND (0.034)	ND (0.035)	**0.76**	**0.88**	0.14	**2.2**	**0.39**	**0.2**	0.16	**0.27**	ND (0.038)	ND (0.037)	**0.32**	0.15	ND (0.033)	ND (0.033)	ND (0.041)
Nickel	mg/kg	30	310	25.7	9.1	6.6	8.1	6.8	8.7	14.3	11.7	15.3	19.5	25.9	14.3	27.5	**42.4**	7.2	8.3	21.1	16.6	8.9	17.5	8.9
Potassium	mg/kg	-	-	3090	ND (1200)	ND (1200)	ND (1200)	ND (1200)	ND (1300)	ND (1700)	ND (1500)	1600	1820	2730	1260	2280	4290	ND (1100)	813	2770	1160	1250	3820	1080
Selenium	mg/kg	3.9	180	ND (4.2)	ND (2.3)	ND (2.4)	ND (2.5)	ND (2.5)	ND (2.6)	ND (3.5)	ND (2.9)	ND (2.6)	ND (4.9) [l]	ND (3.0)	ND (2.3)	ND (2.3)	ND (3.9)	ND (2.3)	ND (1.6)	ND (2.2)	ND (1.9)	ND (1.6)	ND (2.1)	ND (1.9)
Silver	mg/kg	2	180	ND (1.1)	0.59	ND (0.60)	ND (0.62)	ND (0.62)	ND (0.65)	1.2	ND (0.73)	0.81	1.7 [l]	1.2	0.78	1.4 [l]	ND (0.99)	ND (0.57)	ND (0.41)	ND (0.55)	ND (0.47)	ND (0.41)	ND (0.52)	ND (0.48)
Sodium	mg/kg	-	-	ND (2100)	ND (1200)	ND (1200)	ND (1200)	ND (1200)	ND (1300)	ND (1700)	ND (1500)	ND (1300)	ND (1200)	ND (1500)	ND (1100)	ND (1100)	ND (2000)	ND (1100)	ND (810)	ND (1100)	ND (930)	ND (820)	ND (1000)	ND (950)
Thallium	mg/kg	-		ND (2.1)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.2)	ND (1.3)	ND (1.7)	ND (1.5)	ND (1.3)	ND (1.2)	ND (1.5)	ND (1.1)	ND (1.1)	ND (2.0)	ND (1.1)	ND (0.81)	ND (1.1)	ND (0.93)	ND (0.82)	ND (1.0)	ND (0.95)
Vanadium	mg/kg	-		36.3	13.1	10	11.4	7.8	10.3	28.1	28.6	18.5	26.9	30.1	19.2	38.6	58	9.8	17	31.2	18.9	9.3	25	13
Zinc	mg/kg	109	10000	77	33.5	23.6	19.9	29.8	25.3	**706**	**139**	**189**	**167**	92	65.9	65.3	**150**	19.1	21.5	58	72.8	29.3	40.1	54.6
General Chemistry																								
Cyanide	mg/kg	27	27	ND (0.60)	ND (0.32)	ND (0.25)	ND (0.32)	ND (0.29)	ND (0.28)	ND (0.43)	ND (0.41)	ND (0.32)	ND (0.31)	ND (0.40)	ND (0.31)	-	-	-	ND (0.24)	ND (0.29)	ND (0.34)	ND (0.27)	ND (0.28)	ND (0.37)
Solids, Percent	%	-	-	47.4	82.3	83.4	80.6	82.8	78.4	56.2	69	74.1	83.6	68.5	84.5	83.6	50.7	82.9	84.7	89.6	71.6	78.9	92.3	70

Result Exceeds the USCO
Result Exceeds Crthe RRSCO

Table 3.1A
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)			SB-123 (4.5-5)			SB-124 (7-7.5)			SB-125 (3-3.5)		
LAB ID:				L2412788-01			L2412788-02			L2412788-03			L2412788-04		
COLLECTION DATE:				3/7/2024			3/7/2024			3/7/2024			3/7/2024		
SAMPLE DEPTH:															
SAMPLE MATRIX:				SOIL			SOIL			SOIL			SOIL		
VOLATILE ORGANCS	(mg/kg)	(mg/kg)	(mg/kg)	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL	Conc	Q	RL
1,1,1,2-Tetrachloroethane				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
1,1,1-Trichloroethane	0.68	100	100	ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
1,1,2,2-Tetrachloroethane				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
1,1,2-Trichloroethane				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,1-Dichloroethane	0.27	19	26	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,1-Dichloroethene	0.33	100	100	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,1-Dichloropropene				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
1,2,3-Trichlorobenzene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,2,3-Trichloropropane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,2,4,5-Tetramethylbenzene				ND		0.0027	0.00084	J	0.0023	0.001	J	0.0024	ND		0.0027
1,2,4-Trichlorobenzene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,2,4-Trimethylbenzene	3.6	47	52	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,2-Dibromo-3-chloropropane				ND		0.004	ND		0.0035	ND		0.0037	ND		0.004
1,2-Dibromoethane				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,2-Dichlorobenzene	1.1	100	100	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,2-Dichloroethane	0.02	2.3	3.1	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,2-Dichloroethene, Total				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,2-Dichloropropane				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
1,3,5-Trimethylbenzene	8.4	47	52	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,3-Dichlorobenzene	2.4	17	49	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,3-Dichloropropane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,3-Dichloropropene, Total				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
1,4-Dichlorobenzene	1.8	9.8	13	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
1,4-Dioxane	0.1	9.8	13	ND		0.11	ND		0.093	ND		0.098	ND		0.11
2,2-Dichloropropane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
2-Butanone	0.12	100	100	0.01	J	0.013	ND		0.012	0.018		0.012	0.0046	J	0.013
2-Hexanone				ND		0.013	ND		0.012	ND		0.012	ND		0.013
4-Methyl-2-pentanone				ND		0.013	ND		0.012	ND		0.012	ND		0.013
Acetone	0.05	100	100	**0.05**		0.013	ND		0.012	**0.088**		0.012	0.024		0.013
Acrylonitrile				ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
Benzene	0.06	2.9	4.8	ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Bromobenzene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Bromochloromethane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Bromodichloromethane				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Bromoform				ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
Bromomethane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Carbon disulfide				ND		0.013	ND		0.012	ND		0.012	ND		0.013
Carbon tetrachloride	0.76	1.4	2.4	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
Chlorobenzene	1.1	100	100	ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Chloroethane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Chloroform	0.37	10	49	ND		0.002	ND		0.0017	ND		0.0018	ND		0.002
Chloromethane				ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
cis-1,2-Dichloroethene	0.25	59	100	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
cis-1,3-Dichloropropene				ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Dibromochloromethane				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
Dibromomethane				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Dichlorodifluoromethane				ND		0.013	ND		0.012	ND		0.012	ND		0.013
Ethyl ether				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Ethylbenzene	1	30	41	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013

Table 3.1A
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)			SB-123 (4.5-5)			SB-124 (7-7.5)			SB-125 (3-3.5)		
LAB ID:				L2412788-01			L2412788-02			L2412788-03			L2412788-04		
COLLECTION DATE:				3/7/2024			3/7/2024			3/7/2024			3/7/2024		
SAMPLE DEPTH:															
SAMPLE MATRIX:				SOIL			SOIL			SOIL			SOIL		
Hexachlorobutadiene				ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
Isopropylbenzene				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
Methyl tert butyl ether	0.93	62	100	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Methylene chloride	0.05	51	100	ND		0.0067	ND		0.0058	ND		0.0061	ND		0.0066
Naphthalene	12	100	100	ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
n-Butylbenzene	12	100	100	ND		0.0013	0.00047	J	0.0012	ND		0.0012	ND		0.0013
n-Propylbenzene	3.9	100	100	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
o-Chlorotoluene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
o-Xylene				0.00082	J	0.0013	ND		0.0012	ND		0.0012	ND		0.0013
p/m-Xylene				0.0009	J	0.0027	0.00086	J	0.0023	0.0008	J	0.0024	ND		0.0027
p-Chlorotoluene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
p-Diethylbenzene				ND		0.0027	ND		0.0023	0.0004	J	0.0024	ND		0.0027
p-Ethyltoluene				ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
p-Isopropyltoluene				ND		0.0013	ND		0.0012	0.00077	J	0.0012	ND		0.0013
sec-Butylbenzene	11	100	100	ND		0.0013	0.00096	J	0.0012	ND		0.0012	ND		0.0013
Styrene				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
tert-Butylbenzene	5.9	100	100	ND		0.0027	ND		0.0023	ND		0.0024	ND		0.0027
Tetrachloroethene	1.3	5.5	19	ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Toluene	0.7	100	100	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
trans-1,2-Dichloroethene	0.19	100	100	ND		0.002	ND		0.0017	ND		0.0018	ND		0.002
trans-1,3-Dichloropropene				ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
trans-1,4-Dichloro-2-butene				ND		0.0067	ND		0.0058	ND		0.0061	ND		0.0066
Trichloroethene	0.47	10	21	ND		0.00067	ND		0.00058	ND		0.00061	ND		0.00066
Trichlorofluoromethane				ND		0.0054	ND		0.0046	ND		0.0049	ND		0.0053
Vinyl acetate				ND		0.013	ND		0.012	ND		0.012	ND		0.013
Vinyl chloride	0.02	0.21	0.9	ND		0.0013	ND		0.0012	ND		0.0012	ND		0.0013
Xylenes, Total	0.26	100	100	0.0017	J	0.0013	0.00086	J	0.0012	0.0008	J	0.0012	ND		0.0013
Total TIC Compounds				0.0156	J	0	0.0141	J	0	0.0535	J	0	0.0169	J	0
SEMIVOLATILE ORGANICS	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**
1,2,4,5-Tetrachlorobenzene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
1,2,4-Trichlorobenzene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
1,2-Dichlorobenzene	1.1	100	100	ND		0.2	ND		0.21	ND		0.22	ND		0.24
1,3-Dichlorobenzene	2.4	17	49	ND		0.2	ND		0.21	ND		0.22	ND		0.24
1,4-Dichlorobenzene	1.8	9.8	13	ND		0.2	ND		0.21	ND		0.22	ND		0.24
1,4-Dioxane	0.1	9.8	13	ND		0.031	ND		0.032	ND		0.033	ND		0.035
2,4,5-Trichlorophenol				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2,4,6-Trichlorophenol				ND		0.12	ND		0.13	ND		0.13	ND		0.14
2,4-Dichlorophenol				ND		0.18	ND		0.19	ND		0.2	ND		0.21
2,4-Dimethylphenol				0.071	J	0.2	ND		0.21	ND		0.22	ND		0.24
2,4-Dinitrophenol				ND		0.98	ND		1	ND		1.1	ND		1.1
2,4-Dinitrotoluene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2,6-Dinitrotoluene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2-Chloronaphthalene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2-Chlorophenol				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2-Methylnaphthalene				0.06	J	0.25	ND		0.26	ND		0.27	ND		0.28
2-Methylphenol	0.33	100	100	ND		0.2	ND		0.21	ND		0.22	ND		0.24
2-Nitroaniline				ND		0.2	ND		0.21	ND		0.22	ND		0.24
2-Nitrophenol				ND		0.44	ND		0.46	ND		0.48	ND		0.51
3,3'-Dichlorobenzidine				ND		0.2	ND		0.21	ND		0.22	ND		0.24
3-Methylphenol/4-Methylphenol	0.33	34	100	0.1	J	0.3	ND		0.31	0.18	J	0.32	ND		0.34

Table 3.1A
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)			SB-123 (4.5-5)			SB-124 (7-7.5)			SB-125 (3-3.5)		
LAB ID:				L2412788-01			L2412788-02			L2412788-03			L2412788-04		
COLLECTION DATE:				3/7/2024			3/7/2024			3/7/2024			3/7/2024		
SAMPLE DEPTH:															
SAMPLE MATRIX:				SOIL			SOIL			SOIL			SOIL		
3-Nitroaniline				ND		0.2	ND		0.21	ND		0.22	ND		0.24
4,6-Dinitro-o-cresol				ND		0.53	ND		0.55	ND		0.58	ND		0.61
4-Bromophenyl phenyl ether				ND		0.2	ND		0.21	ND		0.22	ND		0.24
4-Chloroaniline				ND		0.2	ND		0.21	ND		0.22	ND		0.24
4-Chlorophenyl phenyl ether				ND		0.2	ND		0.21	ND		0.22	ND		0.24
4-Nitroaniline				ND		0.2	ND		0.21	ND		0.22	ND		0.24
4-Nitrophenol				ND		0.29	ND		0.3	ND		0.31	ND		0.33
Acenaphthene	20	100	100	0.38		0.16	ND		0.17	0.024	J	0.18	ND		0.19
Acenaphthylene	100	100	100	1.6		0.16	ND		0.17	0.082	J	0.18	ND		0.19
Acetophenone				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Anthracene	100	100	100	1.8		0.12	ND		0.13	0.17		0.13	ND		0.14
Benzo(a)anthracene	1	1	1	**6.9**		0.12	0.026	J	0.13	0.46		0.13	0.073	J	0.14
Benzo(a)pyrene	1	1	1	**7.7**		0.16	ND		0.17	0.38		0.18	0.066	J	0.19
Benzo(b)fluoranthene	1	1	1	**10**		0.62	0.038	J	0.13	0.48		0.13	0.09	J	0.14
Benzo(ghi)perylene	100	100	100	5.4		0.16	ND		0.17	0.24		0.18	0.043	J	0.19
Benzo(k)fluoranthene	0.8	1	3.9	**2.6**		0.12	ND		0.13	0.18		0.13	ND		0.14
Benzoic Acid				ND		0.66	ND		0.69	ND		0.72	ND		0.76
Benzyl Alcohol				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Biphenyl				ND		0.47	ND		0.48	ND		0.51	ND		0.54
Bis(2-chloroethoxy)methane				ND		0.22	ND		0.23	ND		0.24	ND		0.25
Bis(2-chloroethyl)ether				ND		0.18	ND		0.19	ND		0.2	ND		0.21
Bis(2-chloroisopropyl)ether				ND		0.25	ND		0.26	ND		0.27	ND		0.28
Bis(2-ethylhexyl)phthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Butyl benzyl phthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Carbazole				0.41		0.2	ND		0.21	0.057	J	0.22	ND		0.24
Chrysene	1	1	3.9	**7.1**		0.12	0.024	J	0.13	0.43		0.13	0.072	J	0.14
Dibenzo(a,h)anthracene	0.33	0.33	0.33	**1.3**		0.12	ND		0.13	0.066	J	0.13	ND		0.14
Dibenzofuran	7	14	59	0.13	J	0.2	ND		0.21	ND		0.22	ND		0.24
Diethyl phthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Dimethyl phthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Di-n-butylphthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Di-n-octylphthalate				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Fluoranthene	100	100	100	14		0.62	0.037	J	0.13	1.1		0.13	0.15		0.14
Fluorene	30	100	100	0.4		0.2	ND		0.21	0.048	J	0.22	ND		0.24
Hexachlorobenzene	0.33	0.33	1.2	ND		0.12	ND		0.13	ND		0.13	ND		0.14
Hexachlorobutadiene				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Hexachlorocyclopentadiene				ND		0.59	ND		0.61	ND		0.64	ND		0.67
Hexachloroethane				ND		0.16	ND		0.17	ND		0.18	ND		0.19
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	**5.4**		0.16	ND		0.17	0.24		0.18	0.045	J	0.19
Isophorone				ND		0.18	ND		0.19	ND		0.2	ND		0.21
Naphthalene	12	100	100	0.25		0.2	ND		0.21	0.028	J	0.22	ND		0.24
NDPA/DPA				ND		0.16	ND		0.17	ND		0.18	ND		0.19
Nitrobenzene				ND		0.18	ND		0.19	ND		0.2	ND		0.21
n-Nitrosodi-n-propylamine				ND		0.2	ND		0.21	ND		0.22	ND		0.24
p-Chloro-m-cresol				ND		0.2	ND		0.21	ND		0.22	ND		0.24
Pentachlorophenol	0.8	2.4	6.7	ND		0.16	ND		0.17	ND		0.18	ND		0.19
Phenanthrene	100	100	100	4.5		0.12	ND		0.13	0.6		0.13	0.081	J	0.14
Phenol	0.33	100	100	0.058	J	0.2	ND		0.21	ND		0.22	ND		0.24
Pyrene	100	100	100	11		0.62	0.034	J	0.13	0.98		0.13	0.12	J	0.14
Total SVOCs				35	-	-	0.159	-	-	5.745	-	-	0.74	-	-
Total TIC Compounds				29.7	J	0	-		-	1.74	J	0	-	-	-

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 -
www.alphalab.com

Table 3.1A
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)			SB-123 (4.5-5)			SB-124 (7-7.5)			SB-125 (3-3.5)		
LAB ID:				L2412788-01			L2412788-02			L2412788-03			L2412788-04		
COLLECTION DATE:				3/7/2024			3/7/2024			3/7/2024			3/7/2024		
SAMPLE DEPTH:															
SAMPLE MATRIX:				SOIL			SOIL			SOIL			SOIL		
PESTICIDES	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**
4,4'-DDD	0.0033	2.6	13	ND		0.00199	ND		0.00202	**0.188**	P	0.00206	ND		0.00218
4,4'-DDE	0.0033	1.8	8.9	ND		0.00199	**0.179**		0.00202	**0.00652**	P	0.00206	ND		0.00218
4,4'-DDT	0.0033	1.7	7.9	ND		0.00199	**0.158**		0.00202	**0.118**	P	0.00206	ND		0.00218
Aldrin	0.005	0.019	0.097	ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Alpha-BHC	0.02	0.097	0.48	ND		0.000828	ND		0.00084	ND		0.00086	ND		0.000908
Beta-BHC	0.036	0.072	0.36	ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Chlordane				ND		0.0166	0.128	IP	0.0168	ND		0.0172	ND		0.0182
cis-Chlordane	0.094	0.91	4.2	ND		0.00248	0.0329	IP	0.00252	ND		0.00258	ND		0.00272
Delta-BHC	0.04	100	100	ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Dieldrin	0.005	0.039	0.2	ND		0.00124	ND		0.00126	ND		0.00129	ND		0.00136
Endosulfan I	2.4	4.8	24	ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Endosulfan II	2.4	4.8	24	ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Endosulfan sulfate	2.4	4.8	24	ND		0.000828	ND		0.00084	ND		0.00086	ND		0.000908
Endrin	0.014	2.2	11	ND		0.000828	ND		0.00084	ND		0.00086	ND		0.000908
Endrin aldehyde				ND		0.00248	ND		0.00252	ND		0.00258	ND		0.00272
Endrin ketone				ND		0.00199	ND		0.00202	ND		0.00206	ND		0.00218
Heptachlor	0.042	0.42	2.1	ND		0.000994	0.00492		0.00101	ND		0.00103	ND		0.00109
Heptachlor epoxide				ND		0.00373	0.00678		0.00378	ND		0.00387	ND		0.00409
Lindane	0.1	0.28	1.3	ND		0.000828	ND		0.00084	ND		0.00086	ND		0.000908
Methoxychlor				ND		0.00373	ND		0.00378	ND		0.00387	ND		0.00409
Toxaphene				ND		0.0373	ND		0.0378	ND		0.0387	ND		0.0409
trans-Chlordane				ND		0.00248	0.0322		0.00252	ND		0.00258	ND		0.00272
POLYCHLORINATED BIPHENYLS	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**
Aroclor 1016	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1221	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1232	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1242	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1248	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1254	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1260	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1262	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
Aroclor 1268	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
PCBs, Total	0.1	1	1	ND		0.0595	ND		0.0596	ND		0.0645	ND		0.0689
TOTAL METALS	**(mg/kg)**	**(mg/kg)**	**(mg/kg)**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**	**Conc**	**Q**	**RL**
Aluminum, Total				8670		23.5	10400		25	7920		25.6	11900		27.3
Antimony, Total				ND		11.7	ND		12.5	ND		12.8	ND		13.7
Arsenic, Total	13	16	16	2.06	J	2.35	3.23		2.5	2.15	J	2.56	2.16	J	2.73
Barium, Total	350	350	400	101		2.35	77.4		2.5	69.1		2.56	102		2.73
Beryllium, Total	7.2	14	72	0.263	J	1.17	0.379	J	1.25	0.238	J	1.28	0.315	J	1.37
Cadmium, Total	2.5	2.5	4.3	0.33	J	2.35	ND		2.5	ND		2.56	ND		2.73
Calcium, Total				7500		23.5	1730		25	1610		25.6	1840		27.3
Chromium, Total				21.5		2.35	18.6		2.5	17.8		2.56	23.6		2.73
Cobalt, Total				6.22		4.69	7.89		5	5.65		5.12	8.39		5.47
Copper, Total	50	270	270	37.9		2.35	18.9		2.5	19.3		2.56	25.4		2.73
Iron, Total				16500		11.7	18200		12.5	15000		12.8	21100		13.7
Lead, Total	63	400	400	**143**		11.7	**103**		12.5	51.3		12.8	54.5		13.7
Magnesium, Total				6520		23.5	3400		25	3560		25.6	4910		27.3

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 -
www.alphalab.com

Table 3.1A
Summary of Soil Sample Results
99 Franklin Avenue
Tarrytown, New York

SAMPLE ID:	NYDEC USCOs	NYSDEC RSCOa	NYDEC RRSCOs	SB-122 (2-2.5)		SB-123 (4.5-5)		SB-124 (7-7.5)		SB-125 (3-3.5)	
LAB ID:				L2412788-01		L2412788-02		L2412788-03		L2412788-04	
COLLECTION DATE:				3/7/2024		3/7/2024		3/7/2024		3/7/2024	
SAMPLE DEPTH:											
SAMPLE MATRIX:				SOIL		SOIL		SOIL		SOIL	
Manganese, Total	1600	2000	2000	150	2.35	366	2.5	261	2.56	356	2.73
Mercury, Total	0.18	0.81	0.81	0.164	0.079	**0.248**	0.082	0.138	0.086	0.163	0.092
Nickel, Total	30	140	310	17.1	5.86	14.6	6.25	13.8	6.4	20.1	6.84
Potassium, Total				1990	586	1220	625	1840	640	3400	684
Selenium, Total	3.9	36	180	ND	4.69	ND	5	ND	5.12	ND	5.47
Silver, Total	2	36	180	ND	1.17	ND	1.25	ND	1.28	ND	1.37
Sodium, Total				242 J	469	72.2 J	500	108 J	512	90.8 J	547
Thallium, Total				ND	4.69	ND	5	ND	5.12	ND	5.47
Vanadium, Total				22.6	2.35	25.4	2.5	19.3	2.56	30.2	2.73
Zinc, Total	109	2200	10000	**366**	11.7	66.3	12.5	**112**	12.8	75.3	13.7

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 -
www.alphalab.com

Table 3.3 Summary of Groundwater Analytical Results
99 Franklin Avenue
Tarrytown, NY

Client Sample ID:			SESI-NY TOGS		GW101		TB2023/12/14
Date Sampled:			Standards		12/14/2023		12/14/2023
Matrix:	CAS#		(NYSDEC 6/2004)[1]		Ground Water		Trip Blank Soil
MS Volatiles (SW846 8260D)							
Acetone	67-64-1	ug/l	50		ND (10)		ND (10)
Benzene	71-43-2	ug/l	1		ND (0.50)		ND (0.50)
Bromochloromethane	74-97-5	ug/l	5		ND (1.0)		ND (1.0)
Bromodichloromethane	75-27-4	ug/l	50		ND (1.0)		ND (1.0)
Bromoform	75-25-2	ug/l	50		ND (1.0)		ND (1.0)
Bromomethane	74-83-9	ug/l	5		ND (2.0) [a]		ND (2.0) [a]
2-Butanone (MEK)	78-93-3	ug/l	50		ND (10)		ND (10)
Carbon disulfide	75-15-0	ug/l	60		ND (2.0)		ND (2.0)
Carbon tetrachloride	56-23-5	ug/l	5		ND (1.0)		ND (1.0)
Chlorobenzene	108-90-7	ug/l	5		ND (1.0)		ND (1.0)
Chloroethane	75-00-3	ug/l	5		ND (1.0)		ND (1.0)
Chloroform	67-66-3	ug/l	7		ND (1.0)		ND (1.0)
Chloromethane	74-87-3	ug/l	5		ND (1.0)		ND (1.0)
Cyclohexane	110-82-7	ug/l	-		ND (5.0)		ND (5.0)
1,2-Dibromo-3-chloropropane	96-12-8	ug/l	0.04		ND (2.0)		ND (2.0)
Dibromochloromethane	124-48-1	ug/l	50		ND (1.0)		ND (1.0)
1,2-Dibromoethane	106-93-4	ug/l	0.0006		ND (1.0)		ND (1.0)
1,2-Dichlorobenzene	95-50-1	ug/l	3		ND (1.0)		ND (1.0)
1,3-Dichlorobenzene	541-73-1	ug/l	3		ND (1.0)		ND (1.0)
1,4-Dichlorobenzene	106-46-7	ug/l	3		ND (1.0)		ND (1.0)
Dichlorodifluoromethane	75-71-8	ug/l	5		ND (2.0)		ND (2.0)
1,1-Dichloroethane	75-34-3	ug/l	5		ND (1.0)		ND (1.0)
1,2-Dichloroethane	107-06-2	ug/l	0.6		ND (1.0)		ND (1.0)
1,1-Dichloroethene	75-35-4	ug/l	5		ND (1.0)		ND (1.0)
cis-1,2-Dichloroethene	156-59-2	ug/l	5		ND (1.0)		ND (1.0)
trans-1,2-Dichloroethene	156-60-5	ug/l	5		ND (1.0)		ND (1.0)
1,2-Dichloropropane	78-87-5	ug/l	1		ND (1.0)		ND (1.0)
cis-1,3-Dichloropropene	10061-01-5	ug/l	-		ND (1.0)		ND (1.0)
trans-1,3-Dichloropropene	10061-02-6	ug/l	-		ND (1.0)		ND (1.0)
Ethylbenzene	100-41-4	ug/l	5		ND (1.0)		ND (1.0)
Freon 113	76-13-1	ug/l	5		ND (5.0)		ND (5.0)
2-Hexanone	591-78-6	ug/l	50		ND (5.0)		ND (5.0)
Isopropylbenzene	98-82-8	ug/l	5		ND (1.0)		ND (1.0)
Methyl Acetate	79-20-9	ug/l	-		ND (5.0)		ND (5.0)
Methylcyclohexane	108-87-2	ug/l	-		1.4 J		ND (5.0)
Methyl Tert Butyl Ether	1634-04-4	ug/l	10		ND (1.0)		ND (1.0)
4-Methyl-2-pentanone(MIBK)	108-10-1	ug/l	-		ND (5.0)		ND (5.0)
Methylene chloride	75-09-2	ug/l	5		ND (2.0)		ND (2.0)
Styrene	100-42-5	ug/l	5		ND (1.0)		ND (1.0)
1,1,2,2-Tetrachloroethane	79-34-5	ug/l	5		ND (1.0)		ND (1.0)
Tetrachloroethene	127-18-4	ug/l	5		ND (1.0)		ND (1.0)
Toluene	108-88-3	ug/l	5		ND (1.0)		ND (1.0)
1,2,3-Trichlorobenzene	87-61-6	ug/l	5		ND (1.0)		ND (1.0)
1,2,4-Trichlorobenzene	120-82-1	ug/l	5		ND (1.0)		ND (1.0)
1,1,1-Trichloroethane	71-55-6	ug/l	5		ND (1.0)		ND (1.0)
1,1,2-Trichloroethane	79-00-5	ug/l	1		ND (1.0)		ND (1.0)
Trichloroethene	79-01-6	ug/l	5		ND (1.0)		ND (1.0)
Trichlorofluoromethane	75-69-4	ug/l	5		ND (2.0)		ND (2.0)
Vinyl chloride	75-01-4	ug/l	2		ND (1.0)		ND (1.0)
m,p-Xylene		ug/l	-		ND (1.0)		ND (1.0)
o-Xylene	95-47-6	ug/l	5		ND (1.0)		ND (1.0)
Xylene (total)	1330-20-7	ug/l	5		ND (1.0)		ND (1.0)
MS Volatile TIC							
Total TIC, Volatile		ug/l	-		7.4 J		0
MS Semi-volatiles (EPA DRAFT 1633)							
Perfluorobutanoic acid	375-22-4	ng/l	-		12.4 J		-
Perfluoropentanoic acid	2706-90-3	ng/l	-		14.5 J		-
Perfluorohexanoic acid	307-24-4	ng/l	-		13.1 J		-
Perfluoroheptanoic acid	375-85-9	ng/l	-		7.5 J		-
Perfluorooctanoic acid	335-67-1	ng/l	6.7		30.6		-
Perfluorononanoic acid	375-95-1	ng/l	-		ND (0.020)		-
Perfluorodecanoic acid	335-76-2	ng/l	-		ND (0.020)		-
Perfluoroundecanoic acid	2058-94-8	ng/l	-		ND (0.020)		-
Perfluorododecanoic acid	307-55-1	ng/l	-		ND (0.020)		-
Perfluorotridecanoic acid	72629-94-8	ng/l	-		ND (0.020)		-
Perfluorotetradecanoic acid	376-06-7	ng/l	-		ND (0.020)		-
Perfluorobutanesulfonic acid	375-73-5	ng/l	-		12.8 J		-
Perfluoropentanesulfonic acid	2706-91-4	ng/l	-		ND (0.020)		-
Perfluorohexanesulfonic acid	355-46-4	ng/l	-		ND (0.020)		-
Perfluoroheptanesulfonic acid	375-92-8	ng/l	-		ND (0.020)		-
Perfluorooctanesulfonic acid	1763-23-1	ng/l	-		48.4		-
Perfluorononanesulfonic acid	68259-12-1	ng/l	-		ND (0.020)		-
Perfluorodecanesulfonic acid	335-77-3	ng/l	-		ND (0.020)		-
Perfluorododecanesulfonic acid	79780-39-5	ng/l	-		ND (0.020)		-
4:2 Fluorotelomer sulfonate	757124-72-4	ng/l	-		ND (0.080)		-
6:2 Fluorotelomer sulfonate	27619-97-2	ng/l	-		ND (0.080)		-
8:2 Fluorotelomer sulfonate	39108-34-4	ng/l	-		ND (0.080)		-
PFOSA	754-91-6	ng/l	-		ND (0.020)		-
MeFOSA	31506-32-8	ng/l	-		ND (0.020)		-
EtFOSA	4151-50-2	ng/l	-		ND (0.020)		-
MeFOSAA	2355-31-9	ng/l	-		ND (0.020)		-
EtFOSAA	2991-50-6	ng/l	-		ND (0.020)		-
MeFOSE	24448-09-7	ng/l	-		ND (0.20)		-
EtFOSE	1691-99-2	ng/l	-		ND (0.20)		-
HFPO-DA (GenX)	13252-13-6	ng/l	-		ND (0.080)		-
ADONA	919005-14-4	ng/l	-		ND (0.080)		-
PFMPA	377-73-1	ng/l	-		ND (0.040)		-
PFMBA	863090-89-5	ng/l	-		ND (0.040)		-
NFDHA	151772-58-6	ng/l	-		ND (0.040)		-
9Cl-PF3ONS (F-53B Major)	756426-58-1	ng/l	-		ND (0.080)		-
11Cl-PF3OUdS (F-53B Minor)	763051-92-9	ng/l	-		ND (0.080)		-
PFEESA	113507-82-7	ng/l	-		ND (0.040)		-
3:3 Fluorotelomer carboxylate	356-02-5	ng/l	-		ND (0.10)		-
5:3 Fluorotelomer carboxylate	914637-49-3	ng/l	-		ND (0.50)		-
7:3 Fluorotelomer carboxylate	812-70-4	ng/l	-		ND (0.50)		-

Table 3.3 Summary of Groundwater Analytical Results
99 Franklin Avenue
Tarrytown, NY

Client Sample ID:			SESI-NY TOGS		GW101		TB2023/12/14	
Date Sampled:			Standards		12/14/2023		12/14/2023	
Matrix:	CAS#		(NYSDEC 6/2004)[1]		Ground Water		Trip Blank Soil	
MS Semi-volatiles (SW846 8270E)								
2-Chlorophenol	95-57-8	ug/l	-		ND (4.0)		-	
4-Chloro-3-methyl phenol	59-50-7	ug/l	-		ND (4.0)		-	
2,4-Dichlorophenol	120-83-2	ug/l	1		ND (2.0)		-	
2,4-Dimethylphenol	105-67-9	ug/l	1		ND (4.0)		-	
2,4-Dinitrophenol	51-28-5	ug/l	1		ND (4.0) [b]		-	
4,6-Dinitro-o-cresol	534-52-1	ug/l	-		ND (4.0) [b]		-	
2-Methylphenol	95-48-7	ug/l	-		ND (2.0)		-	
3&4-Methylphenol		ug/l	-		ND (2.0)		-	
2-Nitrophenol	88-75-5	ug/l	-		ND (4.0) [b]		-	
4-Nitrophenol	100-02-7	ug/l	-		ND (8.0) [b]		-	
Pentachlorophenol	87-86-5	ug/l	1		ND (4.0)		-	
Phenol	108-95-2	ug/l	1		ND (2.0)		-	
2,3,4,6-Tetrachlorophenol	58-90-2	ug/l	-		ND (4.0)		-	
2,4,5-Trichlorophenol	95-95-4	ug/l	-		ND (4.0)		-	
2,4,6-Trichlorophenol	88-06-2	ug/l	-		ND (4.0)		-	
Acenaphthene	83-32-9	ug/l	20		1.6		-	
Acenaphthylene	208-96-8	ug/l	-		ND (1.0)		-	
Acetophenone	98-86-2	ug/l	-		ND (2.0)		-	
Anthracene	120-12-7	ug/l	50		ND (1.0)		-	
Atrazine	1912-24-9	ug/l	7.5		ND (2.0)		-	
Benzaldehyde	100-52-7	ug/l	-		ND (4.0)		-	
Benzo(a)anthracene	56-55-3	ug/l	0.002		ND (1.0)		-	
Benzo(a)pyrene	50-32-8	ug/l	0		ND (1.0)		-	
Benzo(b)fluoranthene	205-99-2	ug/l	0.002		ND (1.0)		-	
Benzo(g,h,i)perylene	191-24-2	ug/l	-		ND (1.0)		-	
Benzo(k)fluoranthene	207-08-9	ug/l	0.002		ND (1.0)		-	
4-Bromophenyl phenyl ether	101-55-3	ug/l	-		ND (2.0)		-	
Butyl benzyl phthalate	85-68-7	ug/l	50		ND (2.0)		-	
1,1'-Biphenyl	92-52-4	ug/l	5		ND (1.0)		-	
2-Chloronaphthalene	91-58-7	ug/l	-		ND (2.0)		-	
4-Chloroaniline	106-47-8	ug/l	5		ND (4.0)		-	
Carbazole	86-74-8	ug/l	-		ND (1.0)		-	
Caprolactam	105-60-2	ug/l	-		ND (2.0) [b]		-	
Chrysene	218-01-9	ug/l	0.002		ND (1.0)		-	
bis(2-Chloroethoxy)methane	111-91-1	ug/l	5		ND (2.0)		-	
bis(2-Chloroethyl)ether	111-44-4	ug/l	1		ND (2.0)		-	
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/l	5		ND (2.0)		-	
4-Chlorophenyl phenyl ether	7005-72-3	ug/l	-		ND (2.0)		-	
2,4-Dinitrotoluene	121-14-2	ug/l	5		ND (1.0) [b]		-	
2,6-Dinitrotoluene	606-20-2	ug/l	5		ND (1.0) [b]		-	
3,3'-Dichlorobenzidine	91-94-1	ug/l	5		ND (2.0)		-	
1,4-Dioxane	123-91-1	ug/l	-		ND (0.30)		-	
Dibenzo(a,h)anthracene	53-70-3	ug/l	-		ND (1.0)		-	
Dibenzofuran	132-64-9	ug/l	-		ND (4.0)		-	
Di-n-butyl phthalate	84-74-2	ug/l	50		ND (2.0)		-	
Di-n-octyl phthalate	117-84-0	ug/l	50		ND (2.0) [b]		-	
Diethyl phthalate	84-66-2	ug/l	50		ND (2.0)		-	
Dimethyl phthalate	131-11-3	ug/l	50		ND (2.0)		-	
bis(2-Ethylhexyl)phthalate	117-81-7	ug/l	5		ND (2.0)		-	
Fluoranthene	206-44-0	ug/l	50		ND (1.0)		-	
Fluorene	86-73-7	ug/l	50		ND (1.0)		-	
Hexachlorobenzene	118-74-1	ug/l	0.04		ND (1.0)		-	
Hexachlorobutadiene	87-68-3	ug/l	0.5		ND (1.0)		-	
Hexachlorocyclopentadiene	77-47-4	ug/l	5		ND (8.0)		-	
Hexachloroethane	67-72-1	ug/l	5		ND (2.0)		-	
Indeno(1,2,3-cd)pyrene	193-39-5	ug/l	0.002		ND (1.0)		-	
Isophorone	78-59-1	ug/l	50		ND (2.0)		-	
2-Methylnaphthalene	91-57-6	ug/l	-		ND (1.0)		-	
2-Nitroaniline	88-74-4	ug/l	5		ND (4.0) [b]		-	
3-Nitroaniline	99-09-2	ug/l	5		ND (4.0)		-	
4-Nitroaniline	100-01-6	ug/l	5		ND (4.0)		-	
Naphthalene	91-20-3	ug/l	10		ND (1.0)		-	
Nitrobenzene	98-95-3	ug/l	0.4		ND (2.0)		-	
N-Nitroso-di-n-propylamine	621-64-7	ug/l	-		ND (2.0)		-	
N-Nitrosodiphenylamine	86-30-6	ug/l	50		ND (4.0)		-	
Phenanthrene	85-01-8	ug/l	50		ND (1.0)		-	
Pyrene	129-00-0	ug/l	50		ND (1.0)		-	
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/l	5		ND (2.0)		-	

Table 3.3 Summary of Groundwater Analytical Results
99 Franklin Avenue
Tarrytown, NY

Client Sample ID:			SESI-NY TOGS		GW101		TB2023/12/14		
Date Sampled:			Standards		12/14/2023		12/14/2023		
Matrix:	CAS#		(NYSDEC 6/2004)[1]		Ground Water		Trip Blank Soil		
MS Semi-volatile TIC									
Total TIC, Semi-Volatile		ug/l	-		20.6	J		-	
GC/LC Semi-volatiles (SW846 8082A)									
Aroclor 1016	12674-11-2	ug/l	0.09		ND (0.40)			-	
Aroclor 1221	11104-28-2	ug/l	0.09		ND (0.40)			-	
Aroclor 1232	11141-16-5	ug/l	0.09		ND (0.40)			-	
Aroclor 1242	53469-21-9	ug/l	0.09		ND (0.40)			-	
Aroclor 1248	12672-29-6	ug/l	0.09		ND (0.40)			-	
Aroclor 1254	11097-69-1	ug/l	0.09		ND (0.40)			-	
Aroclor 1260	11096-82-5	ug/l	0.09		ND (0.40)			-	
Aroclor 1268	11100-14-4	ug/l	0.09		ND (0.40)			-	
Aroclor 1262	37324-23-5	ug/l	0.09		ND (0.40)			-	
Metals Analysis									
Aluminum	7429-90-5	ug/l	100		**35900**			-	
Antimony	7440-36-0	ug/l	3		ND (6.0)			-	
Arsenic	7440-38-2	ug/l	25		5.7			-	
Barium	7440-39-3	ug/l	1000		408			-	
Beryllium	7440-41-7	ug/l	-		2.8			-	
Cadmium	7440-43-9	ug/l	5		ND (3.0)			-	
Calcium	7440-70-2	ug/l	-		99100			-	
Chromium	7440-47-3	ug/l	50		**159**			-	
Cobalt	7440-48-4	ug/l	-		ND (50)			-	
Copper	7440-50-8	ug/l	200		16.7			-	
Iron	7439-89-6	ug/l	300		**77400**			-	
Lead	7439-92-1	ug/l	25		**146**			-	
Magnesium	7439-95-4	ug/l	-		29300			-	
Manganese	7439-96-5	ug/l	300		**1400**			-	
Mercury	7439-97-6	ug/l	0.7		**1.2** [c]			-	
Nickel	7440-02-0	ug/l	100		80			-	
Potassium	7440-09-7	ug/l	-		ND (10000)			-	
Selenium	7782-49-2	ug/l	10		ND (10)			-	
Silver	7440-22-4	ug/l	50		ND (10)			-	
Sodium	7440-23-5	ug/l	20000		**143000**			-	
Thallium	7440-28-0	ug/l	-		ND (10)			-	
Vanadium	7440-62-2	ug/l	-		121			-	
Zinc	7440-66-6	ug/l	-		273			-	
General Chemistry									
Cyanide	57-12-5	ug/l	200		ND (10) [d]			-	

NY-AWQS = New York TOGS 111 Ambient Water Quality Standards criteria
reflects all addendum to criteria through June 2004.
ug/l = Micrograms per liter
ng/l = Nanograms per liter
= Concentration of compound exceeds the AWQS
ND = Non-Detect
J = Elevated detection limit due to dilution required for high interfering element

Table 3.5: Summary of Soil Vapor Results
99 Franklin Avenue
Tarrytown, NY

Client Sample ID:		Matrix A Lower Threshold Level	Matrix B Lower Threshold Level	Matrix C Lower Threshold Level	SV101	
Lab Sample ID:					JD79054-1	
Date Sampled:					12/14/2023	
Matrix:					Soil Vapor Comp.	
MS Volatiles (TO-15) - ug/m3						
Acetone (2-Propanone)	ug/m3	-	-	-		22
1,3-Butadiene	ug/m3	-	-	-		ND (0.75)
Benzene	ug/m3	-	-	-		2.5 J
Bromodichloromethane	ug/m3	-	-	-		ND (0.80)
Bromoform	ug/m3	-	-	-		ND (2.9)
Bromomethane	ug/m3	-	-	-		ND (1.1)
Bromoethene	ug/m3	-	-	-		ND (1.0)
Benzyl Chloride	ug/m3	-	-	-		ND (2.6)
Carbon disulfide	ug/m3	-	-	-		2.7
Chlorobenzene	ug/m3	-	-	-		ND (1.4)
Chloroethane	ug/m3	-	-	-		ND (0.71)
Chloroform	ug/m3	-	-	-		ND (0.73)
Chloromethane	ug/m3	-	-	-		ND (0.74)
3-Chloropropene	ug/m3	-	-	-		ND (1.0)
2-Chlorotoluene	ug/m3	-	-	-		ND (1.5)
Carbon tetrachloride	ug/m3	6	-	-		ND (1.0)
Cyclohexane	ug/m3	-	-	-		5.9
1,1-Dichloroethane	ug/m3		-	-		ND (0.93)
1,1-Dichloroethylene	ug/m3	6	-	-		ND (0.95)
1,2-Dibromoethane (EDB)	ug/m3	-	-	-		ND (0.92)
1,2-Dichloroethane	ug/m3	-	-	-		ND (1.1)
1,2-Dichloropropane	ug/m3	-	-	-		ND (1.2)
1,4-Dioxane	ug/m3	-	-	-		ND (1.7)
Dichlorodifluoromethane	ug/m3	-	-	-		2.4 J
Dibromochloromethane	ug/m3	-	-	-		ND (1.8)
trans-1,2-Dichloroethylene	ug/m3	-	-	-		ND (0.44)
cis-1,2-Dichloroethylene	ug/m3	6	-	-		ND (0.48)
cis-1,3-Dichloropropene	ug/m3	-	-	-		ND (1.1)
m-Dichlorobenzene	ug/m3	-	-	-		ND (0.96)
o-Dichlorobenzene	ug/m3	-	-	-		ND (1.7)
p-Dichlorobenzene	ug/m3	-	-	-		ND (1.9)
trans-1,3-Dichloropropene	ug/m3	-	-	-		ND (1.8)
Ethanol	ug/m3	-	-	-		ND (3.0)
Ethylbenzene	ug/m3	-	-	-		3.7
Ethyl Acetate	ug/m3	-	-	-		256
4-Ethyltoluene	ug/m3	-	-	-		ND (1.9)
Freon 113	ug/m3	-	-	-		ND (0.92)
Freon 114	ug/m3	-	-	-		ND (1.4)
Heptane	ug/m3	-	-	-		9.4
Hexachlorobutadiene	ug/m3	-	-	-		ND (2.7)
Hexane	ug/m3	-	-	-		7.4
2-Hexanone	ug/m3	-	-	-		ND (2.4)
Isopropyl Alcohol	ug/m3	-	-	-		1.9 J
Methylene chloride	ug/m3	-	100			ND (0.76)
Methyl ethyl ketone	ug/m3	-	-	-		4.1
Methyl Isobutyl Ketone	ug/m3	-	-	-		ND (1.2)
Methyl Tert Butyl Ether	ug/m3	-	-	-		ND (1.2)
Methylmethacrylate	ug/m3	-	-	-		ND (1.1)
Propylene	ug/m3	-	-	-		2.2 J
Styrene	ug/m3	-	-	-		ND (0.89)
1,1,1-Trichloroethane	ug/m3	-	100	-		ND (0.82)
1,1,2,2-Tetrachloroethane	ug/m3	-	-	-		ND (1.3)
1,1,2-Trichloroethane	ug/m3	-	-	-		ND (0.82)
1,2,4-Trichlorobenzene	ug/m3	-	-	-		ND (3.6)
1,2,4-Trimethylbenzene	ug/m3	-	-	-		ND (1.7)
1,3,5-Trimethylbenzene	ug/m3	-	-	-		ND (1.6)
2,2,4-Trimethylpentane	ug/m3	-	-	-		2.3 J
Tertiary Butyl Alcohol	ug/m3	-	-	-		2.1 J
Tetrachloroethylene	ug/m3	-	100	-		ND (0.38)
Tetrahydrofuran	ug/m3	-	-	-		ND (1.1)
Toluene	ug/m3	-	-	-		5.3
Trichloroethylene	ug/m3	6	-	-		ND (0.41)
Trichlorofluoromethane	ug/m3	-	-	-		ND (3.5)
Vinyl chloride	ug/m3	-	-	6		ND (0.72)
Vinyl Acetate	ug/m3	-	-	-		ND (1.6)
m,p-Xylene	ug/m3	-	-	-		10
o-Xylene	ug/m3	-	-	-		3.5
Xylenes (total)	ug/m3	-	-	-		14

LEGEND

ug/m3 = micrograms per cubic meter

\- = No Standard

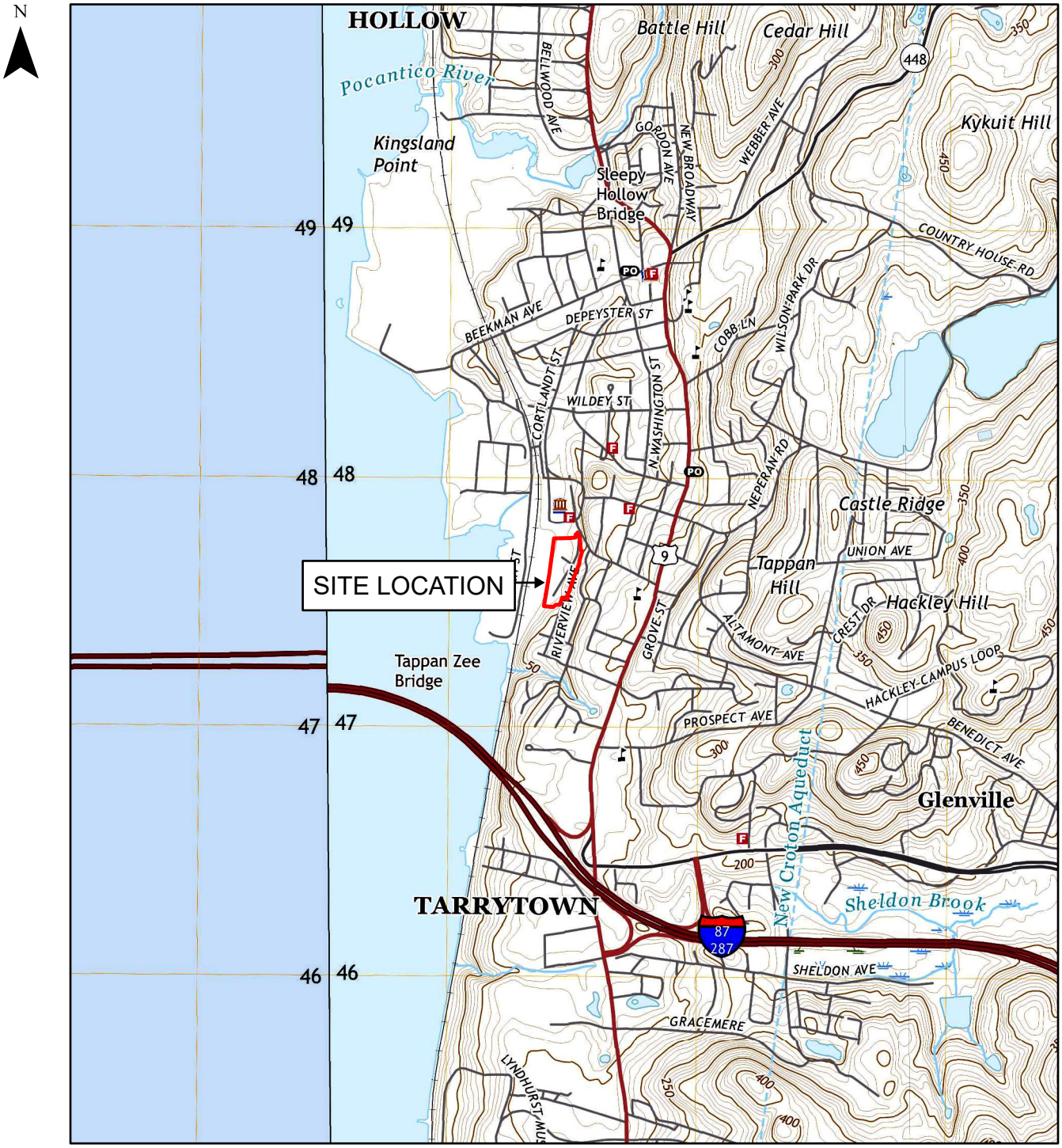
NY-SSC-A = New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-B = New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C = New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

U = Not detected at the reported detection limit for the sample.

Figures



REFERENCE:

UNITED STATES GEOLOGICAL SURVEY (USGS)
WHITE PLAINS, NY USGS QUADRANGLE - 2019

LEGEND:

SITE LOCATION

SCALE: 1" = 2,000'

0 1,000 2,000 4,000 FEET

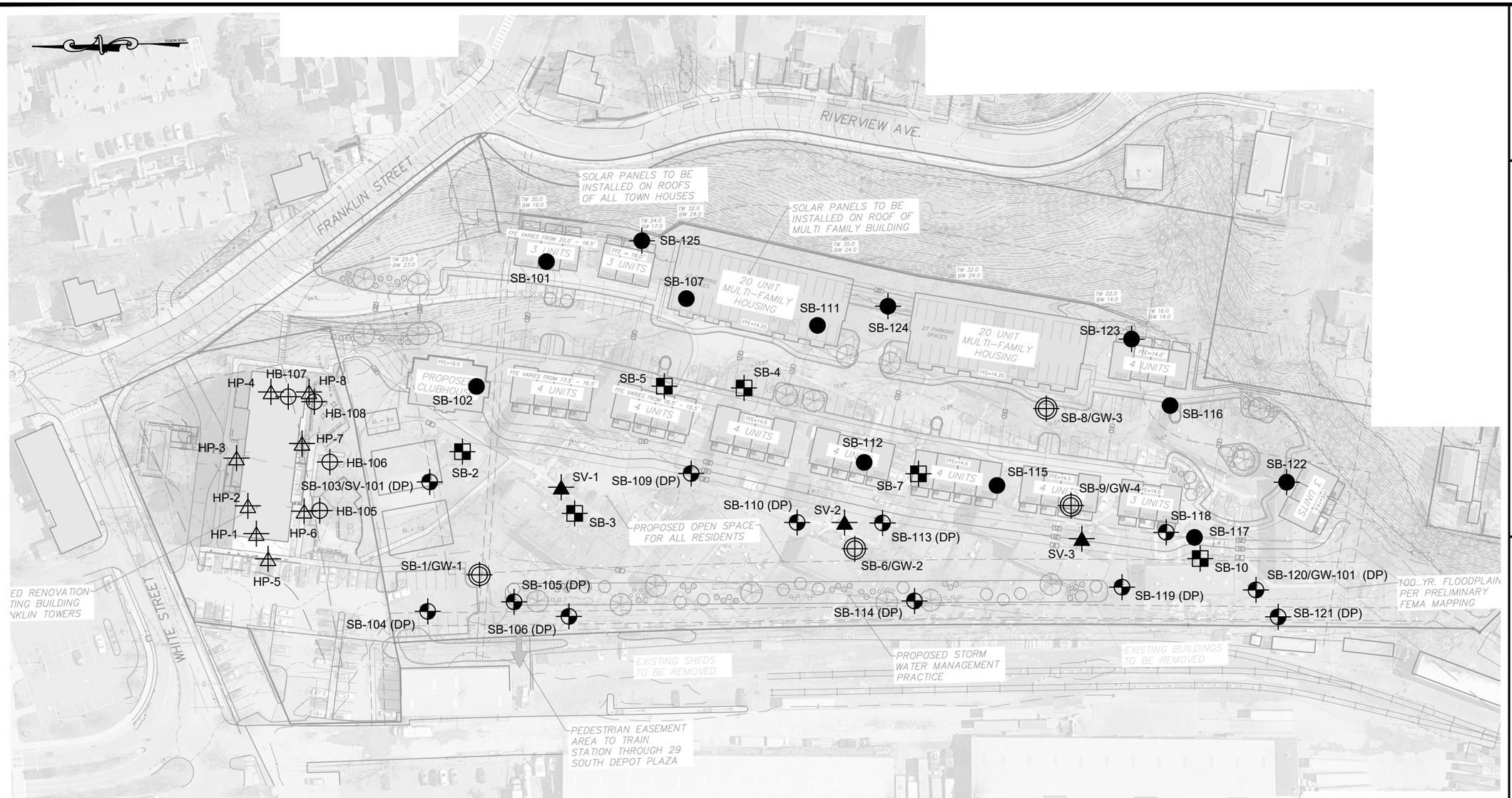
PROPOSED FRANKLIN COURTS REDEVELOPMENT
FRANKLIN COURTS
VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NY

SITE LOCATION MAP

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

FIG-1.1	
DRAWN BY:	KBV
CHECKED BY:	CM
SCALE:	AS NOTED
DATE:	4/19/2024
JOB NO:	12345

Y:\GIS\Project_Numbers\12345\FINAL_MAPS, 4/19/2024 10:13 AM, Kim Vanderklein, LAYOUT: FIG-1.1



NOTE:
THIS PLAN IS FOR LOCATING BORINGS AND VAPOR POINTS ONLY.
OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION.

REFERENCE:
1. EXISTING CONDITIONS & BOUNDARY ARE TAKEN FROM "CONCEPTUAL GRADING PLAN - DWG NO. CG-1", PROVIDED BY INSITE ENGINEERING, SURVEYING & LANDSCAPE ARCHITECTURE, P.C., DATED 9-12-23, REV. 12-4-23.

NYS Education Law
Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS 2024
This drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by any method, without written permission of SESI CONSULTING ENGINEERS

LEGEND:

- SB-123 - ENVIRONMENTAL BORING NUMBER & APPROX. LOCATION (SESI MARCH 2024)
- SB-113 - ENVIRONMENTAL BORING NUMBER & APPROX. LOCATION (SESI 2023)
- SB-4 - ENVIRONMENTAL BORING NUMBER & APPROX. LOCATION (SESI 2022)
- SB-4 - ENVIRONMENTAL BORING/TEMP WELL NUMBER & APPROX. LOCATION (SESI 2022)
- SV-1 - ENVIRONMENTAL VAPOR POINT NUMBER & APPROX. LOCATION (SESI 2022)
- SB-116 - GEOTECH BORING NUMBER & APPROX. LOCATION (SESI 2023)
- HB-106 - HISTORIC BORING NUMBER & APPROX. LOCATION (OTHERS 1965)
- HP-4 - HISTORIC BORING NUMBER & APPROX. LOCATION (OTHERS 1962)

SCALE: 1"=100'
0 100 200

dwg by: KBV
chk by: JM
scale: AS NOTED
date: 04/01/2024

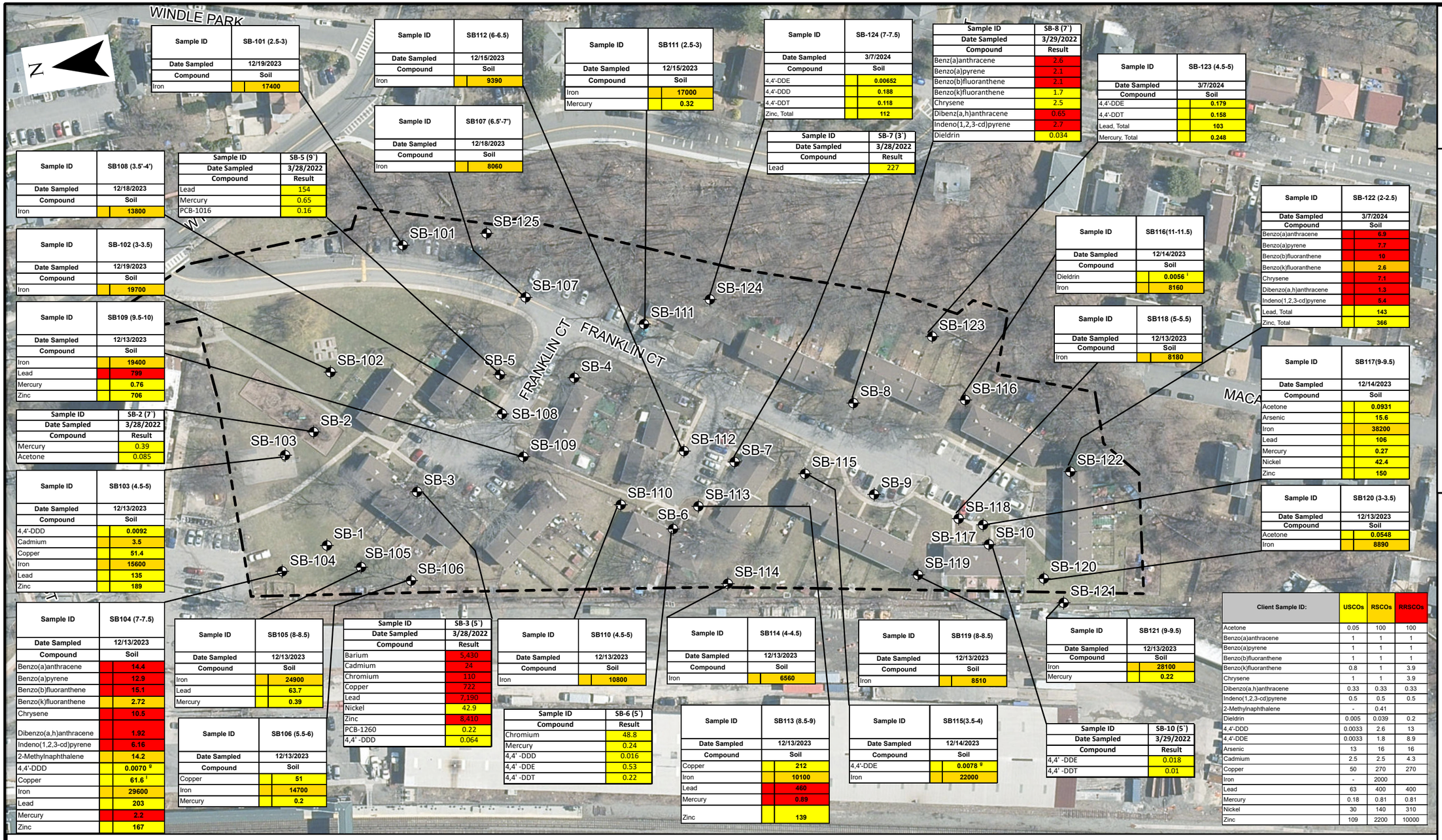
SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: PROPOSED FRANKLIN COURTS REDEVELOPMENT
FRANKLIN COURTS
VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NEW YORK

title: BORING LOCATION PLAN

job no: 12345
drawing no: FIG-2.1

N:\ACAD\12345\CAD\ENVIRONMENTAL\PHASE II\12345.DWG_BORING_LOC_PLAN.DWG 04/01/24 12:21:43PM, alan.ward, LAYOUT:FIG-1 EXPLORATION PLAN



Sample ID	SB-101 (2.5-3)
Date Sampled	12/19/2023
Compound	Soil
Iron	17400

Sample ID	SB112 (6-6.5)
Date Sampled	12/15/2023
Compound	Soil
Iron	9390

Sample ID	SB107 (6.5'-7')
Date Sampled	12/18/2023
Compound	Soil
Iron	8060

Sample ID	SB111 (2.5-3)
Date Sampled	12/15/2023
Compound	Soil
Iron	17000
Mercury	0.32

Sample ID	SB-124 (7-7.5)
Date Sampled	3/7/2024
Compound	Soil
4,4'-DDE	0.00652
4,4'-DDD	0.188
4,4'-DDT	0.118
Zinc, Total	112

Sample ID	SB-8 (7')
Date Sampled	3/29/2022
Compound	Result
Benz(a)anthracene	2.6
Benzo(a)pyrene	2.1
Benzo(b)fluoranthene	2.1
Benzo(k)fluoranthene	1.7
Chrysene	2.5
Dibenz(a,h)anthracene	0.65
Indeno(1,2,3-cd)pyrene	2.7
Dieldrin	0.034

Sample ID	SB-123 (4.5-5)
Date Sampled	3/7/2024
Compound	Soil
4,4'-DDE	0.179
4,4'-DDT	0.158
Lead, Total	103
Mercury, Total	0.248

Sample ID	SB-7 (3')
Date Sampled	3/28/2022
Compound	Result
Lead	227

Sample ID	SB108 (3.5'-4')
Date Sampled	12/18/2023
Compound	Soil
Iron	13800

Sample ID	SB-5 (9')
Date Sampled	3/28/2022
Compound	Result
Lead	154
Mercury	0.65
PCB-1016	0.16

Sample ID	SB-102 (3-3.5)
Date Sampled	12/19/2023
Compound	Soil
Iron	19700

Sample ID	SB116(11-11.5)
Date Sampled	12/14/2023
Compound	Soil
Dieldrin	0.0056 [I]
Iron	8160

Sample ID	SB-122 (2-2.5)
Date Sampled	3/7/2024
Compound	Soil
Benzo(a)anthracene	6.9
Benzo(a)pyrene	7.7
Benzo(b)fluoranthene	10
Benzo(k)fluoranthene	2.6
Chrysene	7.1
Dibenzo(a,h)anthracene	1.3
Indeno(1,2,3-cd)pyrene	5.4
Lead, Total	143
Zinc, Total	366

Sample ID	SB109 (9.5-10)
Date Sampled	12/13/2023
Compound	Soil
Iron	19400
Lead	799
Mercury	0.76
Zinc	706

Sample ID	SB118 (5-5.5)
Date Sampled	12/13/2023
Compound	Soil
Iron	8180

Sample ID	SB117(9-9.5)
Date Sampled	12/14/2023
Compound	Soil
Acetone	0.0931
Arsenic	15.6
Iron	38200
Lead	106
Mercury	0.27
Nickel	42.4
Zinc	150

Sample ID	SB-2 (7')
Date Sampled	3/28/2022
Compound	Result
Mercury	0.39
Acetone	0.085

Sample ID	SB120 (3-3.5)
Date Sampled	12/13/2023
Compound	Soil
Acetone	0.0548
Iron	8890

Sample ID	SB103 (4.5-5)
Date Sampled	12/13/2023
Compound	Soil
4,4'-DDD	0.0092
Cadmium	3.5
Copper	51.4
Iron	15600
Lead	135
Zinc	189

Sample ID	SB104 (7-7.5)
Date Sampled	12/13/2023
Compound	Soil
Benzo(a)anthracene	14.4
Benzo(a)pyrene	12.9
Benzo(b)fluoranthene	15.1
Benzo(k)fluoranthene	2.72
Chrysene	10.5
Dibenzo(a,h)anthracene	1.92
Indeno(1,2,3-cd)pyrene	6.16
2-Methylnaphthalene	14.2
4,4'-DDD	0.0070 [9]
Copper	61.6 [I]
Iron	29600
Lead	203
Mercury	2.2
Zinc	167

Sample ID	SB105 (8-8.5)
Date Sampled	12/13/2023
Compound	Soil
Iron	24900
Lead	63.7
Mercury	0.39

Sample ID	SB-3 (5')
Date Sampled	3/28/2022
Compound	Result
Barium	5,430
Cadmium	24
Chromium	110
Copper	722
Lead	7,190
Nickel	42.9
Zinc	8,410
PCB-1260	0.22
4,4' -DDD	0.064

Sample ID	SB110 (4.5-5)
Date Sampled	12/13/2023
Compound	Soil
Iron	10800

Sample ID	SB114 (4-4.5)
Date Sampled	12/13/2023
Compound	Soil
Iron	6560

Sample ID	SB119 (8-8.5)
Date Sampled	12/13/2023
Compound	Soil
Iron	8510

Sample ID	SB121 (9-9.5)
Date Sampled	12/13/2023
Compound	Soil
Iron	28100
Mercury	0.22

Sample ID	SB106 (5.5-6)
Date Sampled	12/13/2023
Compound	Soil
Copper	51
Iron	14700
Mercury	0.2

Sample ID	SB-6 (5')
Compound	Result
Chromium	48.8
Mercury	0.24
4,4' -DDD	0.016
4,4' -DDE	0.53
4,4' -DDT	0.22

Sample ID	SB113 (8.5-9)
Date Sampled	12/13/2023
Compound	Soil
Copper	212
Iron	10100
Lead	460
Mercury	0.89
Zinc	139

Sample ID	SB115(3.5-4)
Date Sampled	12/14/2023
Compound	Soil
4,4'-DDE	0.0078 [9]
Iron	22000

Sample ID	SB-10 (5')
Date Sampled	3/29/2022
Compound	Result
4,4' -DDE	0.018
4,4' -DDT	0.01

Client Sample ID:	USCOs	RSCOs	RRSCOs
Acetone	0.05	100	100
Benzo(a)anthracene	1	1	1
Benzo(a)pyrene	1	1	1
Benzo(b)fluoranthene	1	1	1
Benzo(k)fluoranthene	0.8	1	3.9
Chrysene	1	1	3.9
Dibenzo(a,h)anthracene	0.33	0.33	0.33
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5
2-Methylnaphthalene	-	0.41	
Dieldrin	0.005	0.039	0.2
4,4'-DDD	0.0033	2.6	13
4,4'-DDE	0.0033	1.8	8.9
Arsenic	13	16	16
Cadmium	2.5	2.5	4.3
Copper	50	270	270
Iron	-	2000	
Lead	63	400	400
Mercury	0.18	0.81	0.81
Nickel	30	140	310
Zinc	109	2200	10000

NYS Education Law

Unauthorized alterations or additions to this plan are a violation of section 7209 (2) of the New York State Education Law. Copies of this map not having the seal of the engineer shall not be valid.

© SESI CONSULTING ENGINEERS ---- 2024
This Drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by method, without written permission of SESI CONSULTING ENGINEERS.

NOTE:

THIS PLAN IS FOR LOCATING SOIL BORING SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION

REFERENCE:

IMAGERY: NEW YORK STATE, MAXAR, MICROSOFT; BCP SITE BOUNDARY TAKEN FROM "GRADING AND UTILITIES PLAN", PREPARED BY INSITE, ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C., DATED 4/5/24.

LEGEND:

SB-101 — SOIL BORING NUMBER AND APPROX. LOCATION

BCP SITE BOUNDARY

SCALE: 1" = 100'

0 50 100 200 FEET

dwg by: KBV
chk by: KF
scale: AS NOTED
date: 4/19/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: PROPOSED FRANKLIN COURTS REDEVELOPMENT
FRANKLIN COURTS
VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NY

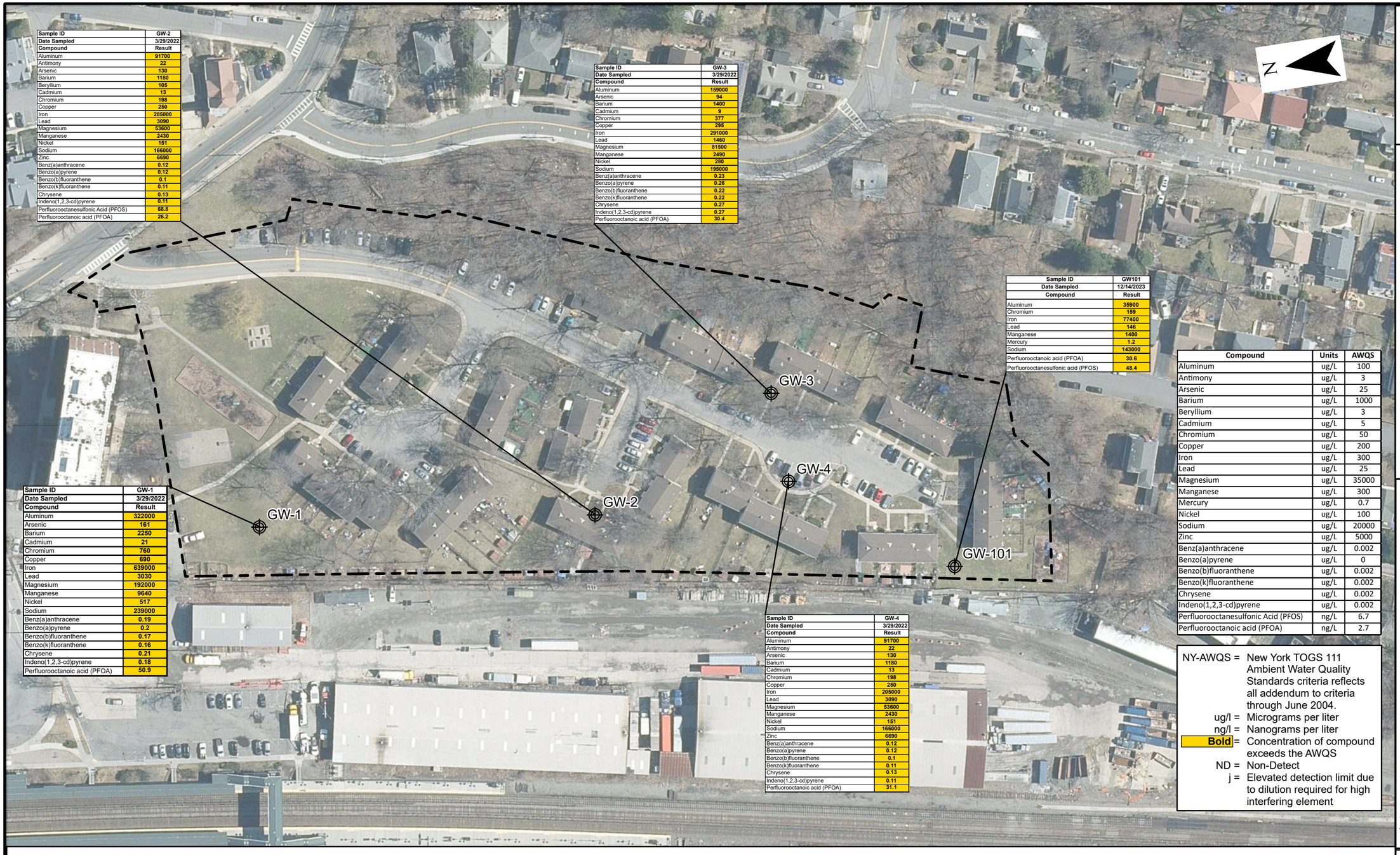
title: **SOIL BORING LOCATION PLAN**

job no.: 12345

drawing no:

FIG-3.1

Y:\GIS\Project_Numbers\12345\FINAL_MAPS, 4/19/2024 10:10 AM, Kim Vanderklein, LAYOUT: FIG-3.1



Sample ID	GW-2
Date Sampled	3/29/2022
Compound	Result
Aluminum	91700
Antimony	22
Arsenic	130
Barium	1180
Beryllium	105
Cadmium	13
Chromium	198
Copper	250
Iron	205000
Lead	3090
Magnesium	53600
Manganese	2430
Nickel	151
Sodium	166000
Zinc	6690
Benz(a)anthracene	0.12
Benzo(a)pyrene	0.12
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.11
Chrysene	0.13
Indeno(1,2,3-cd)pyrene	0.11
Perfluorooctanesulfonic Acid (PFOS)	68.8
Perfluorooctanoic acid (PFOA)	26.2

Sample ID	GW-3
Date Sampled	3/29/2022
Compound	Result
Aluminum	159000
Arsenic	94
Barium	1400
Cadmium	9
Chromium	377
Copper	295
Iron	291000
Lead	1460
Magnesium	81500
Manganese	2490
Nickel	280
Sodium	195000
Benz(a)anthracene	0.23
Benzo(a)pyrene	0.26
Benzo(b)fluoranthene	0.22
Benzo(k)fluoranthene	0.22
Chrysene	0.27
Indeno(1,2,3-cd)pyrene	0.27
Perfluorooctanoic acid (PFOA)	30.4

Sample ID	GW101
Date Sampled	12/14/2023
Compound	Result
Aluminum	35900
Chromium	159
Iron	77400
Lead	146
Manganese	1400
Mercury	1.2
Sodium	143000
Perfluorooctanoic acid (PFOA)	30.6
Perfluorooctanesulfonic acid (PFOS)	48.4

Sample ID	GW-1
Date Sampled	3/29/2022
Compound	Result
Aluminum	322000
Arsenic	161
Barium	2250
Cadmium	21
Chromium	760
Copper	690
Iron	639000
Lead	3030
Magnesium	192000
Manganese	9640
Nickel	517
Sodium	239000
Benz(a)anthracene	0.19
Benzo(a)pyrene	0.2
Benzo(b)fluoranthene	0.17
Benzo(k)fluoranthene	0.16
Chrysene	0.21
Indeno(1,2,3-cd)pyrene	0.18
Perfluorooctanoic acid (PFOA)	50.9

Sample ID	GW-4
Date Sampled	3/29/2022
Compound	Result
Aluminum	91700
Antimony	22
Arsenic	130
Barium	1180
Cadmium	13
Chromium	198
Copper	250
Iron	205000
Lead	3090
Magnesium	53600
Manganese	2430
Nickel	151
Sodium	166000
Zinc	6690
Benz(a)anthracene	0.12
Benzo(a)pyrene	0.12
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.11
Chrysene	0.13
Indeno(1,2,3-cd)pyrene	0.11
Perfluorooctanoic acid (PFOA)	31.1

Compound	Units	AWQS
Aluminum	ug/L	100
Antimony	ug/L	3
Arsenic	ug/L	25
Barium	ug/L	1000
Beryllium	ug/L	3
Cadmium	ug/L	5
Chromium	ug/L	50
Copper	ug/L	200
Iron	ug/L	300
Lead	ug/L	25
Magnesium	ug/L	35000
Manganese	ug/L	300
Mercury	ug/L	0.7
Nickel	ug/L	100
Sodium	ug/L	20000
Zinc	ug/L	5000
Benz(a)anthracene	ug/L	0.002
Benzo(a)pyrene	ug/L	0
Benzo(b)fluoranthene	ug/L	0.002
Benzo(k)fluoranthene	ug/L	0.002
Chrysene	ug/L	0.002
Indeno(1,2,3-cd)pyrene	ug/L	0.002
Perfluorooctanesulfonic Acid (PFOS)	ng/L	6.7
Perfluorooctanoic acid (PFOA)	ng/L	2.7

NY-AWQS = New York TOGS 111 Ambient Water Quality Standards criteria reflects all addendum to criteria through June 2004.
ug/l = Micrograms per liter
ng/l = Nanograms per liter
Bold = Concentration of compound exceeds the AWQS
ND = Non-Detect
j = Elevated detection limit due to dilution required for high interfering element

© SESI CONSULTING ENGINEERS ---- 2024
This Drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by method, without written permission of SESI CONSULTING ENGINEERS.

NOTE:

THIS PLAN IS FOR LOCATING GROUNDWATER SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION

REFERENCE:

IMAGERY: NEW YORK STATE, MAXAR;
BCP SITE BOUNDARY TAKEN FROM "GRADING AND UTILITIES PLAN", PREPARED BY INSITE, ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C., DATED 4/5/24.NEW YORK STATE, MAXAR

LEGEND:

GW-1 GROUNDWATER NO. AND APPROX LOCATION

BCP SITE LOCATION

SCALE: 1" = 100'

0 50 100 200 FEET

dwg by: KBV
chk by: JM
scale: AS NOTED
date: 4/19/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: PROPOSED FRANKLIN COURTS REDEVELOPMENT
FRANKLIN COURTS
VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NY

title: **GROUNDWATER SAMPLE LOCATION PLAN**

job no.: 12345
drawing no: FIG-3.2

Y:\GIS\Project_Numbers\12345\FINAL_MAPS, 4/19/2024 10:09 AM, Kim Vanderklein, LAYOUT: FIG-3.2

Sample ID	SV101
Date Sampled	12/14/2023
Compound	Result
Acetone (2-Propanone)	22
Benzene	2.5 J
Carbon disulfide	2.7
Cyclohexane	5.9
Dichlorodifluoromethane	2.4 J
Ethylbenzene	3.7
Ethyl Acetate	256
Heptane	9.4
Hexane	7.4
Isopropyl Alcohol	1.9 J
Methyl ethyl ketone	4.1
Propylene	2.2 J
2,2,4-Trimethylpentane	2.3 J
Tertiary Butyl Alcohol	2.1 J
Toluene	5.3
m,p-Xylene	10
o-Xylene	3.5
Xylenes (total)	14

Sample ID	SV-3
Date Sampled	3/29/2022
Compound	Result
1,2,4-Trimethylbenzene	9.33
1,3,5-Trimethylbenzene	3.71
1,3-Butadiene	15.2
4-Ethyltoluene	13.7
4-Isopropyltoluene	2.78
4-Methyl-2-pentanone(MIBK)	7.57
Acetone	226
Benzene	7.73
Carbon Disulfide	38.6
Carbon Tetrachloride	0.38
Chloroform	3.21
Dichlorodifluoromethane	2.48
Ethanol	23
Ethylbenzene	13.9
Heptane	17.4
Hexane	34.8
Isopropylbenzene	1.79
m,p-Xylene	56.4
Methyl Ethyl Ketone	212
Methylene Chloride	12.4
o-Xylene	15.9
Propylene	73.1
sec-Butylbenzene	1.3
Styrene	1.06
Tetrachloroethene	0.28
Tetrahydrofuran	36
Toluene	252
Trichlorofluoromethane	1.42

Sample ID	AA-1
Date Sampled	3/29/2022
Compound	Result
Acetone	4.37
Carbon Tetrachloride	0.39
Chloromethane	1.11
Dichlorodifluoromethane	3.79
Ethanol	11.5
Isopropylalcohol	3.61
Methylene Chloride	6.84
Trichlorofluoromethane	1.39

Sample ID	SV-1
Date Sampled	3/29/2022
Compound	Result
1,2,4-Trimethylbenzene	1.65
4-Ethyltoluene	2.58
4-Methyl-2-pentanone (MIBK)	4.99
Acetone	80.7
Benzene	1.35
Carbon Disulfide	1.73
Carbon Tetrachloride	0.25
Chloroform	2.56
Dichlorodifluoromethane	2.23
Ethanol	6.29
Ethylbenzene	25
Heptane	1.48
Hexane	3.25
Isopropylalcohol	8.72
m,p-Xylene	106
Methyl Ethyl Ketone	41
o-Xylene	32.5
Tetrachloroethene	0.33
Tetrahydrofuran	21.6
Toluene	273
Trichloroethene	2.4
Trichlorofluoromethane	1.4

Sample ID	SV-2
Date Sampled	3/29/2022
Compound	Result
1,2,4-Trimethylbenzene	1.03
4-Ethyltoluene	1.37
Acetone	41.5
Benzene	1.08
Carbon Disulfide	3.21
Carbon Tetrachloride	0.39
Dichlorodifluoromethane	2.54
Ethanol	7.31
Ethylbenzene	16.9
Heptane	1.3
Hexane	2.74
Isopropylalcohol	1.66
m,p-Xylene	54.2
Methyl Ethyl Ketone	32.7
Methylene Chloride	3.54
o-Xylene	11.9
Tetrachloroethene	3.95
Tetrahydrofuran	10.5
Toluene	121
Trichlorofluoromethane	1.41

SV-101

SV-1/AA-1

SV-2

SV-3

N

LEGEND

ug/m3 = micrograms per cubic meter

\- = No Standard

NY-SSC-A = New York DOH Matrix A Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-B = New York DOH Matrix B Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

NY-SSC-C = New York DOH Matrix C Sub-slab Vapor Concentrations Criteria per Guidance for Evaluating Soil Vapor Intrusion, October 2006, and updated May 2017.

ND = Not detected at the reported detection limit for the sample.

= Compound Detected

dwg by: KBV
chk by: JM
scale: AS NOTED
date: 4/19/2024

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL
959 ROUTE 46E, 3RD FLOOR, PARSIPPANY, NJ 07054 PH: 973.808.9050

project: PROPOSED FRANKLIN COURTS REDEVELOPMENT
FRANKLIN COURTS
VILLAGE OF TARRYTOWN
WESTCHESTER COUNTY, NY

title: **SOIL VAPOR SAMPLE LOCATION PLAN**

© SESI CONSULTING ENGINEERS ---- 2024
This Drawing and all information contained here on is proprietary information of SESI CONSULTING ENGINEERS and may not be copied or reproduced, either in whole or in part, by method, without written permission of SESI CONSULTING ENGINEERS.

NOTE:

THIS PLAN IS FOR LOCATING SOIL VAPOR SAMPLES ONLY. OTHER SITE WORK SHOWN HERE IS NOT INTENDED FOR CONSTRUCTION

REFERENCE:

IMAGERY: NEW YORK STATE, MAXAR;
BCP SITE BOUNDARY TAKEN FROM "GRADING AND UTILITIES PLAN", PREPARED BY INSITE, ENGINEERING, SURVEYING AND LANDSCAPE ARCHITECTURE, P.C., DATED 4/5/24.

LEGEND:

SV-1 SOIL VAPOR NO. AND APPROX LOCATION

BCP SITE LOCATION

SCALE: 1" = 100'

0 50 100 200 FEET

job no.: 12345

drawing no:

FIG-3.3

Y:\GIS\Project_Numbers\12345\FINAL_MAPS, 4/19/2024 10:21 AM, Kim Vanderklein, LAYOUT: FIG-3.3

Appendix A:

Geophysical Investigation Report

Coastal Environmental Solutions, Inc.

GEOPHYSICAL INVESTIGATION REPORT

1/11/24

Franklin Courts, Tarrytown, NY
Date of Investigation: 12/13/2023

Prepared for:

SESI Consulting Engineers
12A Maple Avenue
Pine Brook, NJ 07058

Prepared By:

Dennis Berthold
Director of Geophysical Operations
Coastal Environmental Solutions, Inc.
PO Box 342
Medford, New York 11763

1.0 INTRODUCTION

On 12/13/2023, Coastal Environmental Solutions, Inc (Coastal) personnel performed a limited geophysical investigation at the property located at Franklin Courts, Tarrytown, NY. The area of interest included approximately 21 proposed soil boring locations within the neighborhood. Surface conditions consisted of asphalt, concrete, and grass.

2.0 SCOPE OF WORK

1. Locate and mark detectable underground utilities and other subsurface anomalies in close proximity to client proposed soil boring locations.

3.0 EQUIPMENT

ImpulseRadar PinPointR Ultra-Wide Band (UWB) Penetrating Radar System

Ground Penetrating RADAR (GPR) is a non-destructive geophysical method that produces a continuous cross-sectional profile of subsurface features in real time. GPR operates by transmitting both high and low frequency electromagnetic wave pulses down into the ground through a transmitter in the antenna. The transmitted electromagnetic waves reflect off materials with contrasting dielectric properties from surrounding medium such as underground storage tanks, utilities, distinct contacts between different earth materials, and other various subsurface objects. The antenna receiver collects the reflected electromagnetic waves which are then interpreted by the operator.

The ImpulseRadar PinPointR UWB GPR utilizes a dual band 400/800 MHz HS antenna mounted to a stroller frame which rolls over the surface. The total depth of penetration achieved with the antenna can be up to 10 feet but widely varies based on site-specific subsurface conditions. Conductive materials in the soil attenuate the GPR signal causing a decrease in effective depth of penetration and clarity.

Vivax-Metrotech vLoc3-Pro Receiver/Transmitter

The vLoc3-Pro Receiver is a hand-operated antenna capable of detecting electromagnetic (EM) fields emitted from a source. The EM antenna can detect pipes and cables in the ground at depths of up to 20 feet using active or passive tracing techniques. Passive tracing is the act of locating an underground utility through the detection of electrical or radio signals travelling along conductive utilities. Active tracing is used in conjunction with the Transmitter that is directly connected to the target utility or to a conductive rodder within a non-conductive line. A signal is sent through the utility at a specific frequency that can be detected by the Receiver. The detectability of a target utility depends on many factors including access to the target utility, grounding, depth of utility, conductivity, and other site-specific factors.

TW-6 Pipe and Cable Locator

The TW-6 Pipe and Cable locator is a handheld magnetometer which utilizes a transmitter-receiver pair attached to opposite ends of a handle and carried approximately 1-2ft from the surface. The magnetometer induces an electromagnetic (EM) field into the ground that is generated by the transmitter. Once the induced EM field passes through a buried metallic object, it generates a

secondary EM field which is detected by the receiver, generating an audible tone. Based on the calibration of the magnetometer, the audible tone reflects the strongest response as the highest pitched sound, trailing off on all sides of the peak. This piece of technology can be used to detect subsurface features such as metallic USTs, large diameter conductive pipes, and buried manholes, especially in areas in which traditional GPR methods cannot be utilized, such as overgrown or uneven surfaces.

4.0 METHODOLOGY

1. A subsurface investigation was performed near the client proposed areas. Active and passive detection methods were utilized with the VLoc3-Pro receiver/transmitter. Coastal personnel directly connected to all accessible and traceable pipes, conduits, valve covers, and any other surface feature throughout the site. A passive scan was performed throughout the site to detect any potential underground utilities that could not be located with active scan.
2. (If applicable) The TW-6 was utilized to sweep any accessible areas for suspected Underground Storage Tank (UST) locations in 3-to-5-foot spacings for readings that may represent a buried metallic anomaly. Upon detection of a reading, the approximate size and shape of the anomalous area was marked on the surface to be investigated further with GPR.
3. GPR was utilized to further characterize the approximate dimensions, depth, and shape of the anomalies located with the TW-6 and other detections. The remainder of the areas around suspected UST locations (if applicable) were scanned with GPR in 3-to-5-foot spacing to locate any anomalous features not previously detected such as non-conductive piping and former excavations.
4. All findings were marked on the surface utilizing the American Public Works Association (APWA) recommended color code, seen below:

WHITE	Proposed Excavation
PINK	Temporary Survey Markings (Approximate UST Locations, Soil Boring Locations)
RED	Electric Power Lines, Cables, Conduit and Lighting Cables
YELLOW	Gas, Oil, Steam, Petroleum or Gaseous Materials
ORANGE	Communication, Alarm or Signal Lines, Cables or Conduit
BLUE	Water (Domestic and Fire Lines)
PURPLE	Irrigation (Not commonly used)
GREEN	Sewers and Drain Lines

5.0 SUMMARY OF FINDINGS

Geophysical Investigation

Coastal personnel conducted a subsurface investigation on all accessible areas within the area of concern. Coastal identified few utilities within the areas of concern across the property and marked all based on the APWA system referenced above. The SESI representative on site permitted the soil boring locations within proximity to utilities to be moved to allow safe drilling activities to proceed. During our investigation Coastal located multiple UST related vents and fills detected

across the property (one typically in front of each of the residences of the row house neighborhood). Coastal attempted to utilize the GPR within areas clear of shrubs and other foliage, as well as the Magnetometer in proximity to these lines without success. Based on the evidence discovered, Coastal determined either the suspected USTs were within some of the buildings (basement or within a closet in each residence) or beneath foliage preventing a complete locate of the UST to be performed.

Coastal detected the presence of one UST in front of residence 2E. The anomaly discovered measured to be approximately 4ft by 8 ft, with one endcap extending beneath an area of foliage and unable to be accurately measured. The detection was marked out on the surface with pink paint.

Limitations

The effective depth of GPR penetration was limited to 4.5 feet. The limiting factor was due to soil conductivity attenuating the GPR signal. The GPR and TW-6 were unable to be utilized within close proximity to parked vehicles and exterior walls. Some areas were field-adjusted to allow for safer drilling activities to occur to avoid subsurface detections.

Disclaimer

The subsurface investigation was performed by Coastal after considering the limits of the scope of work and the time constraint for the investigation. The investigation that is described in this report was undertaken in accordance with current accepted standards and practices of the geophysical survey industry. The results and interpretations that are presented are based on professional judgment and are as accurate as can reasonably be achieved. However, no geophysical equipment can accurately depict all subsurface features due to the geology and environmental conditions of the subsurface. Any intrusive work in proximity to identified anomalies should be carefully considered and cross-referenced with all available site-specific documentation. Coastal is not liable for the use, interpretation, or application of the data and information in this report.

PHOTOS & GPR SCREENSHOTS

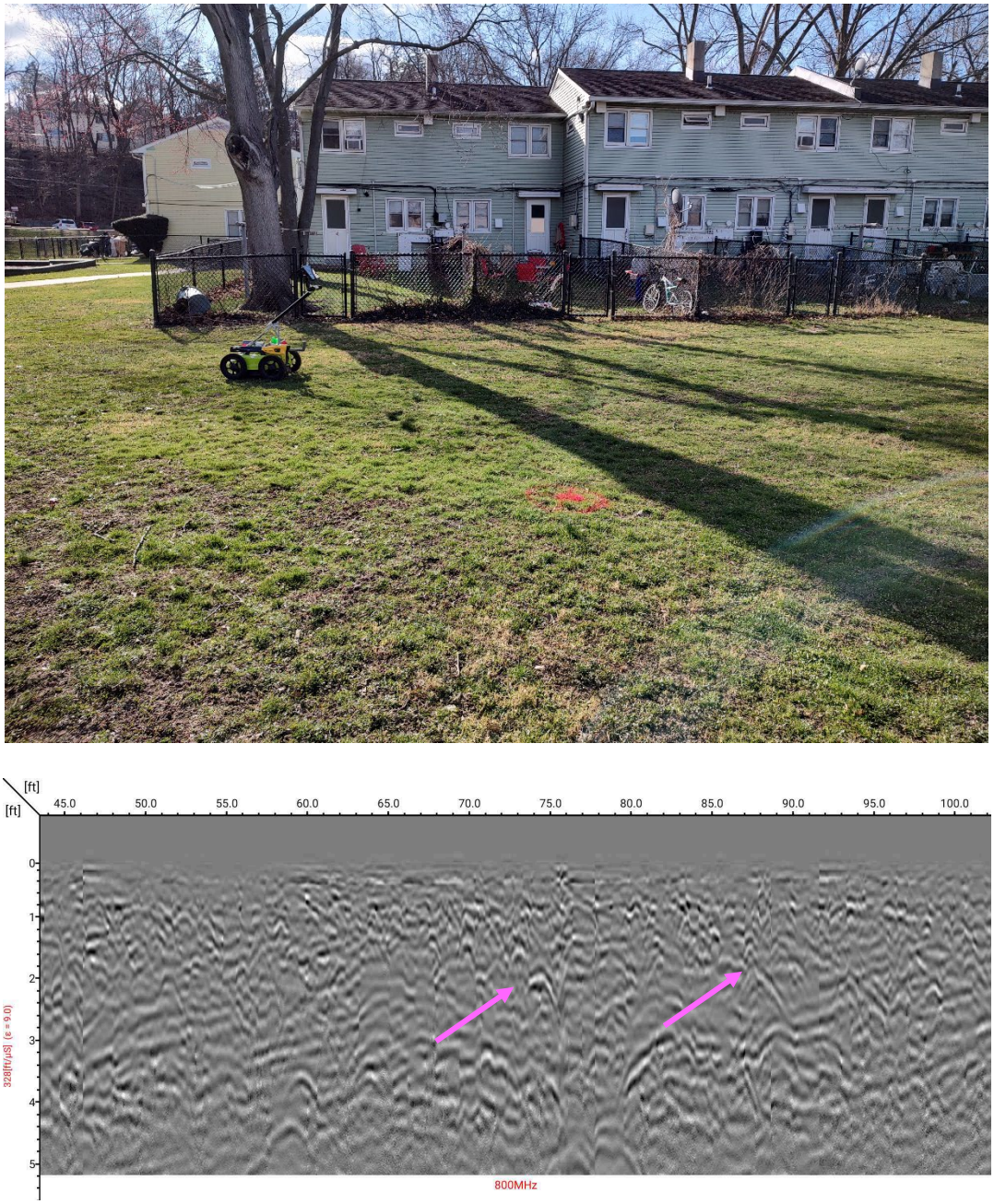


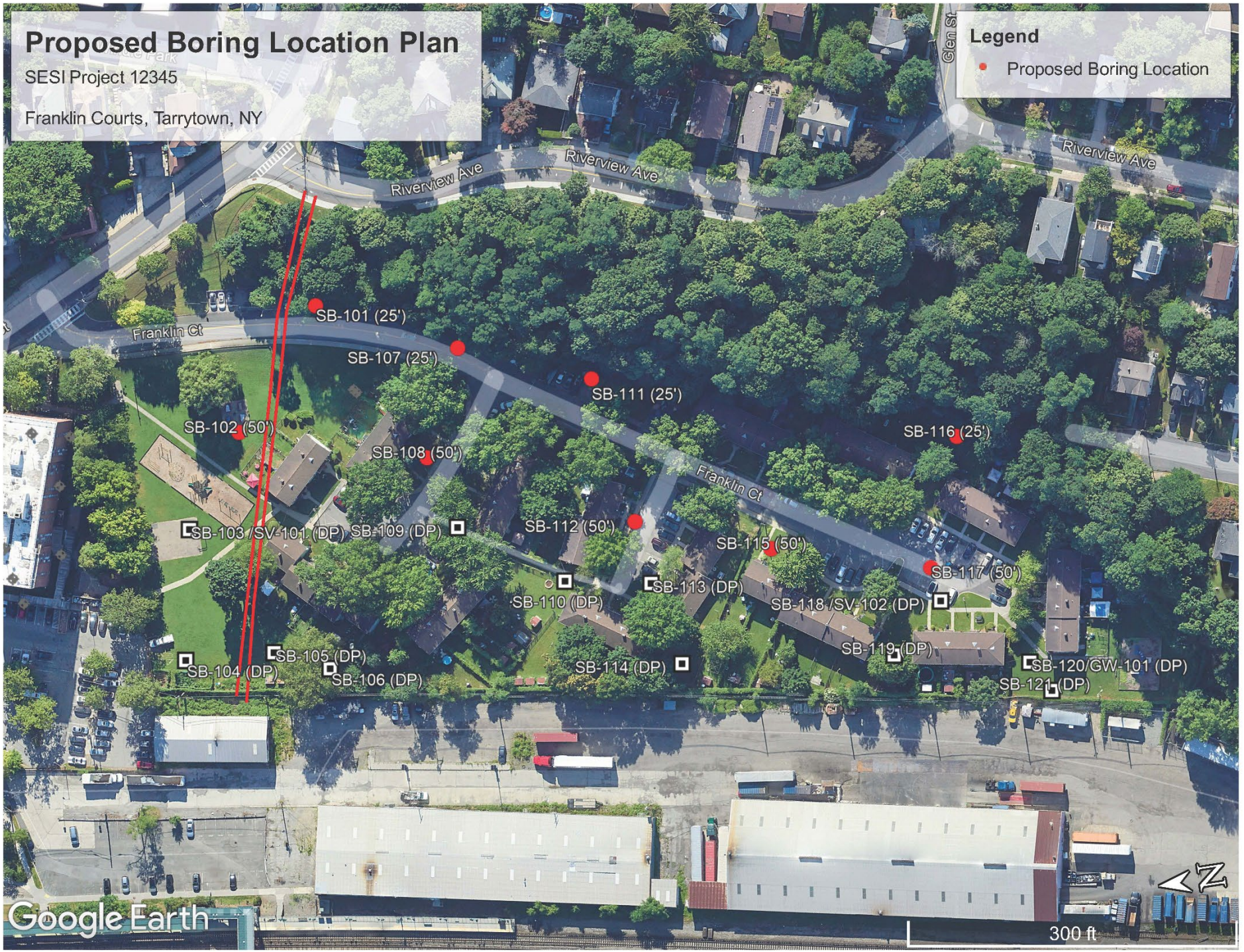
Photo 1 and GPR Screenshot 1 – Photo from the rear of residence 10D showing a proposed soil boring within the area. An unknown detection was marked here in pink and the proposed boring location was shifted to avoid this possible line.

Photo 2 – View of the proposed soil boring locations within the area in front of residence 14D. Multiple subsurface anomalies were detected within this area including an electrical line and the soil boring location was adjusted accordingly.

Photo 3 – View of the proposed soil boring locations within the area near the playground. A storm drain (marked in green) and electrical line (marked in red) were located here.

Photo 4 – View of the proposed soil boring location behind residence 10D. Within this area, a sanitary manhole and line was detected and avoided during drilling.

FIGURES


Proposed Boring Location Plan
SESI Project 12345
Franklin Courts, Tarrytown, NY
Legend
Proposed Boring Location
Riverview Ave
Riverview Ave
Riverview Ave
Franklin Ct
Franklin Ct
SB-101 (25')
SB-107 (25')
SB-111 (25')
SB-116 (25')
SB-102 (50')
SB-108 (50')
SB-112 (50')
SB-115 (50')
SB-117 (50')
SB-103 /SV-101 (DP)
SB-109 (DP)
SB-110 (DP)
SB-113 (DP)
SB-118 /SV-102 (DP)
SB-119 (DP)
SB-104 (DP)
SB-105 (DP)
SB-106 (DP)
SB-114 (DP)
SB-120/GW-101 (DP)
SB-121 (DP)
Google Earth
300 ft
N

Appendix B:

Boring Logs

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

SOILS CLASSIFICATION AND EXPLORATION LOG KEY

Our experience has shown that the following field identification system, which is pattered somewhat after the Burmister System, permits a more detailed breakdown of the components within a soil sample than other identification systems allow. It also compels the supervising technician to examine a sample quite closely in order to accurately describe the components within the sample.

Grain Size and Classifications

Gravel:
Coarse gravel ranges from 3-in to 1-in
Medium gravel ranges from 1-in to 3/8-in
Fine gravel ranges from 3/8-in to No. 10 sieve

Sand:
Coarse sand ranges from No. 10 to No. 30 sieve
Medium sand ranges from No. 30 to No. 60 sieve
Fine sand ranges from No. 60 to No. 200 sieve

Silt:
Material which passes the No. 200 sieve
Exhibits little to no plasticity

Clay:
Material which passes the No. 200 Sieve
Exhibits varying degrees of plasticity

Component Classification

CAPITALS	More than 50% of the sample by weight
Proper Case	Less than 50% of the sample by weight

Proportion Terms

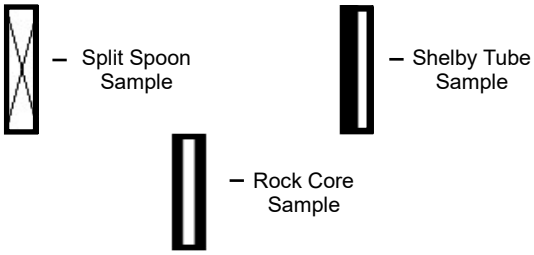
and	Component ranges from 35% to 50% of the sample by weight
some	Component ranges from 20% to 35% of the sample by weight
little	Component ranges from 10% to 20% of the sample by weight
trace	Component ranges from 0% to 10% of the sample by weight

Gradation Designation

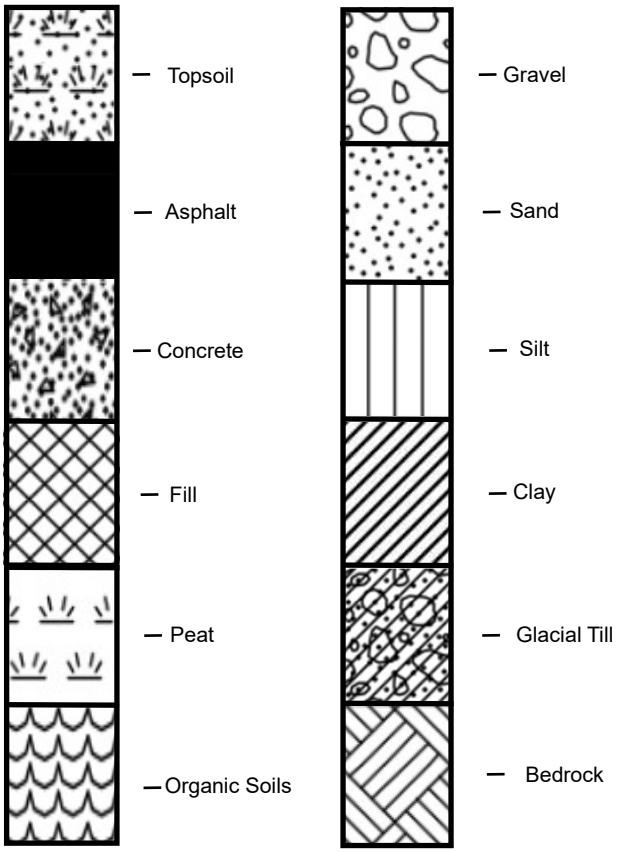
Coarse to fine (c-f)	All fractions greater than 10% of the component
Coarse to Medium (c-m)	Less than 10% of the component is fine
Medium to fine (m-f)	Less than 10% of the component is coarse
Coarse (c)	Less than 10% of the component is medium or fine
Medium (m)	Less than 10% of the component is coarse or fine
Fine (f)	Less than 10% of the component is coarse or medium

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgement of such authorized users. Information on the logs should not be relied upon without the geotechnical engineer's recommendations contained in the report from which these logs were extracted.

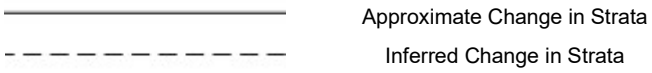
Sampling Types



Generalized Stratum Types



Strata Separation



SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-101

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-19-2023	**COMPLETED**	12-19-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.074919	**LONGITUDE**	-73.862979
CASING DIAMETER	4.00 in	**CASING DEPTH**	14.0 ft
FINAL DEPTH	25.2± ft		

GROUND ELEVATION 14.0±
OUTER DIAMETER
GROUNDWATER LEVELS:
AT TIME OF DRILLING 5.00± ft
AT END OF DRILLING
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Asphalt							PID = 0.0
		6" RCA Subgrade							Moist
		Fill: Brown coarse to fine SAND, some medium to fine Gravel, little Clayey Silt		S-1		12	5-7-7-14 (14)		Env taken 2.5-3 PID = 0.2
				S-2		14	7-11-14-15 (25)		Moist PID = 0.0
	9	Brown/gray-brown coarse to fine SAND, little Silty Clay, little coarse to fine Gravel, with Grass and Organics	5	S-3		18	50-50/5"		Wet
		Brown coarse to fine SAND, little Silt, little medium to fine Gravel							Install casing PID = 0.0
		Gray-brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay		S-4		12	7-11-14-23 (25)		Moist PID = 0.0
	4	Gray-brown SAND, little fine Gravel, little Silty Clay, grading to coarse to medium SAND, some Silty Clay, with Organics	10	S-5		18	16-23-22-24 (45)		Wet W.C. = 10.1% PID = 0.0
		Same as above, medium to fine Gravel		S-6		17	13-22-26-28 (48)		Wet PID = 0.0
		Same as above, medium to fine Gravel		S-7		16	10-16-23-22 (39)		Wet Drill to 20'
	-1		15						
	-6	Gray-brown SAND, little medium to fine Gravel, little Clayey Silt	20	S-8		10	23-23-50/4"		PID = 0.0 Moist Drill to 25'
	-11	No Recovery	25	S-9			50/3"		Boring converted to soil vapor point SV-101 after completion of boring.
		BORING COMPLETED AT 25.25± FEET DUE TO REFUSAL							
	-16		30						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-102

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-19-2023 **COMPLETED** 12-19-2023	**DRILLING METHOD**	Mud Rotary
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian **HELPER** Paul	**CASING DIAMETER**	4.00 in
LOGGED BY	GM **CHECKED BY** J. Weber	**CASING DEPTH**	20.0 ft
LATITUDE	41.075165 **LONGITUDE** -73.863356	**FINAL DEPTH**	50.3± ft

GROUND ELEVATION 8.0±
OUTER DIAMETER
GROUNDWATER LEVELS:
AT TIME OF DRILLING
AT END OF DRILLING
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil							
		Fill: Brown coarse to fine SAND, little medium to fine Gravel, little Silty Clay, with glass, grass and roots		S-1		10	WOH-2-2-2 (4)		PID = 0.0
		Fill: Brown/gray-brown coarse to fine SAND, little Clayey Silt, trace fine Gravel, with glass		S-2		11	2-2-4-3 (6)		PID = 0.0 Env taken (3-3.5)
	3	Fill: Brown/gray-brown coarse to fine SAND, little Silty Clay, trace fine Gravel, with shell fragments	5	S-3		19	1-1-3-3 (4)		PID = 0.0
		Fill: Brown/gray-brown coarse to fine SAND, little Silty Clay, trace fine Gravel, with roots, grading to medium to fine SAND		S-4		18	1-1-2-3 (3)		
		Same as above		S-5		12	3-6-8-12 (14)		
	-2	Same as above with glass fragments	10	S-6		24	7-7-7-9 (14)		
		Fill: Gray-brown Clayey SILT, and coarse to fine Sand, trace medium to fine Gravel		S-7		20	6-7-9-12 (16)		(-200) = 50.2% W.C. = 17%
	-7	Fill: Gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay Bottom of spoon medium to fine SAND, some Silty Clay, with Organics and Roots	15	S-8		20	6-7-11-12 (18)		Drill to 20' Install casing
	-12	Gray-brown Silty CLAY, some medium to fine Sand	20	S-9		11	WOH-1-3-6 (4)		PID = 0.0 Moist LL = 26% PL = 16% PI = 10% Drill to 25' W.C. = 31.1%
	-17	Gray/dark gray/white coarse to fine SAND, little coarse to fine Gravel, trace Silty Clay	25	S-10		8	9-22-23-30 (45)		Grinding at 22' Drill through Boulder PID = 0.0 Moist Possible Glacial Till or weathered rock Drill to 30'
	-22	Gray medium to fine GRAVEL, trace Silty Clay, trace Sand	30	S-11		11	21-50-50/4"		PID = 0.0 Wet Drill to 35'

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-102

PROJECT NAME Franklin Courts Redevlopment
PROJECT LOCATION Tarrytown, New York
PROJECT NO. 12345
ELEVATION DATUM NAVD88
GROUND ELEVATION 8.0 ft ±

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		Gray medium to fine GRAVEL, little coarse to medium Sand, trace Silt		S-12	⊠	3	50/5"		PID = 0.0 Wet
	-32	Gray-brown coarse to fine SAND, some coarse to fine Gravel, trace Clayey Silt	40	S-13	⊠	18	16-37-40-50/5" (77)		PID = 0.0 Drill to 45' Grinding
	-37	Same as above	45	S-14	⊠	15	30-40-31-28 (71)		PID = 0.0 Moist Drill to grinding
	-42	Brown-dark gray coarse to fine GRAVEL, trace coarse Sand, trace Silty Clay	50	S-15	⊠	3	50/4"		PID = 0.0 Wet
		BORING COMPLETED AT 50.3± FEET DUE TO REFUSAL							
	-47		55						
	-52		60						
	-57		65						
	-62		70						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-103

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.075312 **LONGITUDE** -73.863608

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 6.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 4.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		6" Asphalt								
		Fill: Tan-brown coarse to fine SAND, little medium to fine Gravel, little Silt		S-1		10	S-1		0.0 0.0	
		Fill: Dark brown coarse to fine SAND, some Silt, little medium to fine Gravel, with trace coal fragments							0.0	
		Fill: Dark brownish black coarse to fine SAND, some Clayey Silt, with frequent wood fragments and Metal							0.0	
	1	Fill: Dark grayish brown coarse to fine SAND, some coarse to fine Gravel, trace Silt, with trace wood fragments	5				SB-103(4.5-5)		0.4	
				S-2		30	S-2		0.0 0.0 0.0 0.0	
	-4	BOREHOLE COMPLETED AT 10± FEET	10						0.0	
	-9		15							
	-14		20							
	-19		25							
	-24		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-104

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.075373 **LONGITUDE** -73.864054

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 6.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 5.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil								
		Fill: Brown medium to fine SAND, some Silt, some coarse to fine Gravel, with trace plastic		S-1		40	S-1		0.0 0.2 0.1 0.1	
	1	Fill: Dark brown coarse to fine SAND, some Clayey Silt, with frequent wood fragments	5						0.1	
		Fill: Dark gray Silty CLAY, little medium to fine Sand, little coarse to fine Gravel		S-2		24	SB-104(7-7.5) S-2		0.1 0.5	
		Fill: Dark gray Silty CLAY, some coarse to fine Sand, little coarse to fine Gravel							0.5 0.2	
	-4	BOREHOLE COMPLETED AT 10± FEET	10						0.1	
	-9		15							
	-14		20							
	-19		25							
	-24		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-105

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.075150 **LONGITUDE** -73.864074

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 7.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 5.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil, with occasional roots								
		Fill: Brown medium to fine SAND, some Silt, little medium to fine Gravel							0.0	
									0.0	
				S-1		48	S-1			
		Fill: Dark brown Silty CLAY, little coarse to fine Gravel, with concrete and wood fragments							0.1	
									0.1	
	2	Fill: Tan-brown Clayey SILT, some medium to fine Sand, little medium to fine Gravel	5						0.1	
		Fill: Dark gray Silty CLAY, trace fine Sand, with Roots							0.1	
									0.1	
				S-2		48	S-2			
							SB-105(8-8.5)		0.2	
		Fill: Same as above with little coarse to fine Gravel							0.2	
	-3		10						0.1	
		BOREHOLE COMPLETED AT 10± FEET								
	-8		15							
	-13		20							
	-18		25							
	-23		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-106

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.075014 **LONGITUDE** -73.864136

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 7.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 5.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil, with occasional roots								
		Fill: Brown medium to fine SAND, some Silt, little medium to fine Gravel, with coal fragments		S-1		48	S-1		0.0 0.0 0.0 0.0	
	2	Fill: Gray medium to fine SAND, some Silt, little coarse to fine Gravel	5						0.0	
		Fill: Tan-gray Clayey SILT, some coarse to fine Sand, little medium to fine Gravel, with Roots					SB-106(5.5-6)		0.1	
				S-2		49	S-2		0.1 0.1 0.1	
	-3	BOREHOLE COMPLETED AT 10± FEET	10						0.1	
	-8		15							
	-13		20							
	-18		25							
	-23		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-107

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-18-2023	**COMPLETED**	12-18-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822 DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.074587	**LONGITUDE**	-73.863176
CASING DIAMETER	4.00 in	**GROUND ELEVATION**	11.0±
CASING DEPTH	14.0 ft	**OUTER DIAMETER**	
FINAL DEPTH	25.8± ft	**GROUNDWATER LEVELS:**	
		AT TIME OF DRILLING	8.00± ft
		AT END OF DRILLING	
		AFTER DRILLING	

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil							
		Fill: Brown coarse to fine SAND, some Silty Clay, with Grass and Roots		S-1		14	1-2-2-1 (4)		PID = 0.0
		Brown coarse to fine SAND, little Silty Clay, trace fine Gravel, with Roots and Grass		S-2		14	9-13-15-25 (28)		PID = 0.0 Moist
		Brown coarse to fine SAND, some Clayey Silt		S-3		4	50/4"		
	6		5						Offset at 6" Drill to 6'
		Brown coarse to fine SAND, little coarse to fine Gravel, trace Silty Clay		S-4		15	11-15-15-22 (30)		
		Same as above		S-5		14	12-14-32-5 (46)		PID = 0.0 Wet
	1	Gray-brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay	10	S-6		5	8-12-17-13 (29)		PID = 0.0 Wet
		Same as above		S-7		4	11-13-16-21 (29)		PID = 0.0 Wet
		Same as above		S-8		24	22-12-31-12 (43)		PID = 0.0 Wet Drill to 20'
	-4		15						
	-9	Brown/gray coarse to fine SAND, and medium to fine Gravel, trace Silty Clay	20	S-9		8	19-23-22-22 (45)		PID = 0.0 Wet Drill to 25'
	-14	Gray-brown medium to fine Gravel, and coarse to fine Sand, trace Silty Clay	25	S-10		5	48-50/3"		Grinding PID = 0.0 Wet
		BORING COMPLETED AT 25.75± FEET							
	-19		30						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-108

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-18-2023	**COMPLETED**	12-18-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.074695	**LONGITUDE**	-73.863528
GROUND ELEVATION	9.0±		
CASING DIAMETER	4.00 in	**OUTER DIAMETER**	
CASING DEPTH	20.0 ft	**GROUNDWATER LEVELS:**	
FINAL DEPTH	51.2± ft	**AT TIME OF DRILLING**	5.00± ft
		AT END OF DRILLING	
		AFTER DRILLING	

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Topsoil							
		Fill: Brown coarse to fine SAND, little medium to fine Gravel, little Clayey Silt, with Grass and Roots		S-1		15	WOH-1-6-9 (7)		PID = 0.0 Moist
		Fill: Gray-brown medium to fine SAND, some Silty Clay		S-2		15	8-9-5-6 (14)		PID = 0.0 Moist
		Fill: Gray-brown coarse to fine SAND, little Silty Clay							PID = 0.0
	4		5	S-3		14	3-10-16-10 (26)		Wet
		Fill: Gray-brown coarse to fine SAND, little medium to fine Gravel, some Silty Clay, with Organics		S-4		23	7-7-9-9 (16)		PID = 0.0 Wet
		Fill: Same as above, with Shells		S-5		18	7-5-4-6 (9)		PID =0.0 Wet
	-1	Fill: Same as above, with Organics and Shells	10	S-6		19	5-5-7-7 (12)		PID = 0.0 Wet (-200) = 25.5% W.C. = 26.9%
		Fill: Gray/tan-brown coarse to fine SAND, some medium to fine Gravel, little Silty Clay, small brick fragments		S-7		15	4-4-6-5 (10)		PID = 0.0 Wet
	-6	Same as above, with Organics coal fragments	15	S-8		21	3-3-4-9 (7)		PID = 0.0 Wet Drill to 20' (easy)
	-11	Gray-brown Silty CLAY, little fine Sand	20	S-9		23	2-1-2-2 (3)		PID = 0.0 W.C. = 28.2%
		Same as above, with shell fragments		U-1		24			
	-16	Gray-brown coarse to fine SAND, some Silty Clay, trace fine Gravel, grading to Silty CLAY, little medium to fine fine Sand	25	S-10		20	1-3-6-15 (9)		PID = 0.0 Wet Drill to 30' W.C. = 25.2%
	-21	Gray-brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay	30	S-11		12	7-28-20-9 (48)		PID = 0.0 Wet Drill to 35'

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-108

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88
GROUND ELEVATION 9.0 ft ±

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		Gray-brown/white coarse to fine SAND, some Silty Clay, little medium to fine Gravel		S-12		8	15-5-6-7 (11)		
	-31	Gray-brown coarse to fine GRAVEL, and coarse to fine Sand, trace Silty Clay	40	S-13		6	27-50/4"		PID = 0.0 Wet Possible weathered rock or glacial till Drill to 45', grinding
	-36	Same as above, medium to fine GRAVEL	45	S-14		4	9-22-50/5"		Same as above Drill to 50'
	-41	Gray-brown coarse to fine GRAVEL, some coarse to fine Sand, trace Silty Clay	50	S-15		5	7-7-50/3"		
		BORING COMPLETED AT 51.25± FEET DUE TO REFUSAL							
	-46		55						
	-51		60						
	-56		65						
	-61		70						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-109

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.074633 **LONGITUDE** -73.863783

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 9.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		3" Asphalt								
		Fill: Brown medium to fine SAND, some Silt, little medium to fine Gravel							0.0	
		Fill: Dark brown Silty CLAY, trace fine Sand							0.0	
		Fill: Gray medium to fine SAND, little fine Gravel, little Silt		S-1			S-1		0.1	
									0.0	
	4		5						0.0	
				S-2			S-2		0.0	
									0.0	
		Fill: Gray Silty CLAY, little fine Sand, with Organics							0.0	
		Fill: Dark gray coarse to fine SAND, some medium to fine Gravel, some Silt, with coal, glass, and wood fragments							0.0	
	-1		10				SB-109(9.5-10)		0.0	
		BOREHOLE COMPLETED AT 10± FEET								
	-6		15							
	-11		20							
	-16		25							
	-21		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-110

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.074407 **LONGITUDE** -73.864011

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 10.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil							0.0	
		Fill: Brown SILT, some medium to fine Sand, trace medium to fine Gravel, with Roots							0.0	
		Fill: Same as above with Cobbles							0.0	
		Fill: Brown SILT, little coarse to fine Sand, little medium to fine Gravel, with Roots		S-1		36	S-1		0.0	
		Fill: Brown coarse to fine SAND, little medium to fine Gravel, trace Silt							0.0	
	5	Fill: Gray SILT, some medium to fine Sand	5				SB-110(4.5-5)		0.0	
		Fill: Gray coarse to fine SAND, little Silt, little medium to fine Gravel, with shell fragments							0.1	
		Fill: Grayish brown SILT, some medium to fine Sand		S-2		54	S-2		0.1	
		Fill: Gray coarse to fine SAND, some Silt, some medium to fine Gravel, with shell fragments, Organics, and plastic							0.1	
									0.1	
	0	BOREHOLE COMPLETED AT 10± FEET	10						0.1	
	-5		15							
	-10		20							
	-15		25							
	-20		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-111

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-15-2023	**COMPLETED**	12-15-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.074265	**LONGITUDE**	-73.863349
GROUND ELEVATION	12.0±	**OUTER DIAMETER**	
CASING DIAMETER	4.00 in	**GROUNDWATER LEVELS:**	
CASING DEPTH	19.0 ft	**AT TIME OF DRILLING**	7.00± ft
FINAL DEPTH	27.0± ft	**AT END OF DRILLING**	
		AFTER DRILLING	

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Asphalt							
		6" RCA Subgrade							
		Fill: Gray-brown/tan-brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay, concrete at top of spoon		S-1		16	8-9-9-3 (18)		Envir Taken
		Fill: Gray-brown coarse to fine SAND, little Silty Clay, trace fine Gravel							PID = 0.0
				S-2			7-7-12-14 (19)		PID = 0.0 Moist
	7	Fill: Same as above, grading to medium to fine Sand	5						
				S-3		21	8-8-11-12 (19)		PID = 0.0
		Brown/gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay							Moist
				S-4		24	8-10-12-17 (22)		PID = 0.0 Wet
	2	Brown/gray-brown coarse to fine SAND, little coarse to fine Gravel, trace Silty Clay	10	S-5		24	14-10-12-8 (22)		PID = 00.0 Wet
		Brown/gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay		S-6		22	7-10-17-15 (27)		PID = 0.0 Wet
				S-7		24	12-13-14-28 (27)		PID = 0.0
		Same as above							Wet
	-3		15						Drill to 20'
									Grinding
	-8	Gray-brown medium to fine GRAVEL, some coarse to fine Sand, trace Silty Clay	20	S-8		3	50/4"		Wet
									Drill to 25'
									Grinding
	-13	Brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay	25	S-9		2	13-16-21-49 (37)		
		BORING COMPLETED AT 27± FEET							
	-18		30						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-112

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88 **GROUND ELEVATION** 10.0±
DATE STARTED	12-18-2023 **COMPLETED** 12-18-2023	**DRILLING METHOD**	
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER		**AUGER INNER DIAMETER**	**OUTER DIAMETER**
EQUIPMENT	7822DT Rig	**ROTARY BIT DIAMETER**	3.88 in **GROUNDWATER LEVELS:**
DRILLING FOREMAN	Brian **HELPER** Paul	**CASING DIAMETER**	4.00 in ▽ **AT TIME OF DRILLING** 5.00± ft
LOGGED BY	GM **CHECKED BY** J. Weber	**CASING DEPTH**	19.0 ft ▼ **AT END OF DRILLING**
LATITUDE	41.074216 **LONGITUDE** -73.863834	**FINAL DEPTH**	51.5± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		6" Asphalt							
		6" RCA Subgrade							
		Fill: Brown coarse to fine SAND, some medium to fine Gravel, little Silty Clay							PID = 0.0
		Fill: Gray-brown coarse to fine SAND, little Silty Clay, little fine Gravel		S-1		13	9-8-7-10 (15)		PID = 0 Moist
									PID = 0.0
	5		5	S-2		15	13-12-10-11 (22)		Wet
		Fill: Gray-brown coarse to fine Sand, some Silty Clay, trace fine Gravel							Env Taken
		Fill: Dark gray/black medium to fine Sand and Silt, with Organics		S-3		12	9-11-10-8 (21)		PID = 0.0 Wet
		Fill: Gray-brown coarse to fine SAND, and Silty Clay, little coarse to fine Gravel, with Shell fragments		S-4		16	7-7-7-7 (14)		PID = 0 Wet
	0		10						
		Fill: Tan/gray-brown coarse to fine SAND, some Silty Clay, trace medium to fine Gravel		S-5		11	4-5-5-5 (10)		PID = 0 Moist
		Fill: Gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay, possible shell fragments		S-6		15	7-5-6-8 (11)		PID = 0 Moist
		Tan/gray-brown medium to fine SAND, and Silty Clay							
	-5		15	S-7		24	7-7-8-11 (15)		Drill to 20'
	-10	Gray-brown Silty CLAY, little medium to fine Sand	20	S-8		24	WOH-WOH-WOH-2		Moist LL = 33% PL = 20% PI = 13% W.C. = 29.1%
				U-1					Shelby tube U-1, No recovery
	-15	Same as above	25						Drill to 30'
	-20	Gray-brown Clayey SILT, trace medium to fine Sand	30	S-10		17	3-1-1-3 (2)		PID = 0.0 Wet (-200) = 92% W.C. = 31.3% Drill to 35'

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-112

PROJECT NAME Franklin Courts Redevlopment
PROJECT LOCATION Tarrytown, New York
PROJECT NO. 12345
ELEVATION DATUM NAVD88
GROUND ELEVATION 10.0 ft ±

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
									PID = 0.0
		Gray-brown/red medium to fine SAND, some coarse to fine Gravel, some Silty Clay		S-11		10	6-4-21-11 (25)		Moist Drill to 40' Grinding
	-30	No Recovery	40			0	8-7-17-16/-18"		Drill to 45' Grinding
	-35	Gray coarse to fine GRAVEL and coarse to fine Sand, litle Silty Clay	45	S-12		3	10-14-19-29 (33)		Moist Drill to 50' Grinding
	-40	Gray-brown coarse to fine SAND, some medium to fine Gravel, little Silty Clay	50	S-13			33-41-50/5"		
		BORING COMPLETED AT 51.5± FEET DUE TO REFUSAL							
	-45		55						
	-50		60						
	-55		65						
	-60		70						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-113

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.074193 **LONGITUDE** -73.864061

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 9.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Asphalt								
		Fill: Brown coarse to fine SAND, some medium to fine Gravel, little Silt, with Asphalt fragments		S-1		36	S-1		0.0 0.1 0.0	
		Fill: Tan coarse to fine SAND, little fine Gravel, little Silt								
		Fill: Dark gray medium to fine SAND, little Silt, little medium to fine Gravel, with shell fragments							0.1	
	4		5						0.0	
				S-2		40	S-2		0.0 0.0 0.0	
		Fill: Dark brown medium to fine SAND, some Silt, little fine Gravel					SB-113(8.5-9)		0.0	
		Fill: Dark gray coarse to fine SAND, some Silt, little medium to Gravel, with Shell fragments, fabric and Organics							0.1	
	-1	BOREHOLE COMPLETED AT 10± FEET	10						0.1	
	-6		15							
	-11		20							
	-16		25							
	-21		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-114

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.074148 **LONGITUDE** -73.864344

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 7.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil with Roots								
		Fill: Brown SILT, some coarse to fine SAND, little coarse to fine Gravel							0.0	
		Fill: Brown coarse to fine SAND, some medium to fine Gravel, trace Silt							0.1	
		Fill: Gray coarse to fine SAND, some Silt, some coarse to fine Gravel, with Shell fragments		S-1		40	S-1		0.1	
							SB-114(4-4.5)		0.1	
	2		5						0.2	
				S-2		48	S-2		0.0	
									0.1	
		Fill: Gray CLAY, trace fine Sand, with Roots							0.1	
		Fill: Dark gray coarse to fine SAND, some Silt, some coarse to fine Gravel, with shell fragments, fabric, and wood fragments							0.1	
	-3		10						0.2	
		BOREHOLE COMPLETED AT 10± FEET								
	-8		15							
	-13		20							
	-18		25							
	-23		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-115

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-14-2023	**COMPLETED**	12-14-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822 DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.073886	**LONGITUDE**	-73.863986

GROUND ELEVATION	8.0±
DRILLING METHOD	Mud Rotary
OUTER DIAMETER	
CASING DIAMETER	4.00 in
CASING DEPTH	18.0 ft
FINAL DEPTH	43.0± ft
GROUNDWATER LEVELS:	
▽ **AT TIME OF DRILLING**	8.00± ft
▼ **AT END OF DRILLING**	
▼ **AFTER DRILLING**	

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		4" Topsoil							
		Fill: Tan-brown coarse to fine SAND, little Silty Clay, little medium to fine Gravel		S-1		22	1-2-4-9 (6)		PID = 0.0
				S-2		17	4-7-7-6 (14)		PID = 0.3
		Fill: Brown/dark gray coarse to fine SAND, little Silty Clay, little fine Gravel							
		Fill: Gray/brown coarse to fine SAND, little medium to fine Gravel, little Silty Clay with Organics							
	3		5	S-3		22	9-10-10-11 (20)		PID = 0.0
		Fill: Same as above, without organics							
				S-4		21	8-12-15-16 (27)		PID = 0.1 Moist
		Fill: Dark gray coarse to fine SAND, some medium to fine G trace Silt, with shell fragments							PID = 0.3
				S-5		10	12-16-16-15 (32)		Wet (-200) = 9.5% W.C. = 23.8%
	-2	Fill: Gray-brown coarse to fine SAND, and medium to fine Gravel	10						Drill grinding
				S-6		4	3-2-1-2 (3)		PID = 0.0
		Dark gray Silty CLAY, some medium to fine Sand, little fine Gravel, with Shell fragments, and Organics		S-7		17	5-3-6-7 (9)		PID = 0.2
	-7	Dark gray medium to fine SAND, some silty clay	15						PID = 0.1 (-200) = 25.1% W.C. = 29.2%
				S-8		20	3-3-2-4 (5)		PID = 0.9
									Shelby tube 18
		Gray-brown Silty CLAY, trace fine Sand		U-1					
	-12	Gray brown Silty CLAY, trace fine Sand	20						
				S-10		22	WOH-4-6-6 (10)		PID = 0.1 Drill to 25' LL = 24% PL = 15% PI = 9% W.C. = 26.6%
	-17	Gray-brown Silty CLAY, little medium to fine Sand	25						
				S-11		23	1-1-2-5 (3)		PID = 0.1 Drill to 30'
	-22	Gray-brown Silty CLAY, little fine Gravel, little medium to fine Sand	30						
				S-12		3	6-22-27-50/4" (49)		PID = 0.1
									Drill to 35'
									Grinding at 34'-35'

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-115

PROJECT NAME Franklin Courts Redevlopment
PROJECT LOCATION Tarrytown, New York
PROJECT NO. 12345
ELEVATION DATUM NAVD88
GROUND ELEVATION 8.0 ft ±

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		Gray-brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay		S-13		3	50/3"		PID = 0.0 Drill to 40' Grinding
	-32	Same as above	40	S-14		6	42-47-50/5"		PID = 0.0 Drill to 43'
		Gray-brown medium to fine GRAVEL, some coarse to fine Sand, trace Silty Clay		S-15			50/2"		PID = 0.0
		BORING COMPLETED AT 43± FEET DUE TO SPLIT SPOON REFUSAL							
	-37		45						
	-42		50						
	-47		55						
	-52		60						
	-57		65						
	-62		70						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-116

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-18-2023	**COMPLETED**	12-18-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822 DT Rig	**ROTARY BIT DIAMETER**	3.88 in
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.073385	**LONGITUDE**	-73.863698
		CASING DIAMETER	4.00 in
		CASING DEPTH	19.0 ft
		FINAL DEPTH	25.9± ft

GROUND ELEVATION 10.0±
OUTER DIAMETER
GROUNDWATER LEVELS:
AT TIME OF DRILLING 5.00± ft
AT END OF DRILLING
AFTER DRILLING

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		4" Topsoil							
		Fill: Brown coarse to fine SAND, little fine Gravel, little Silty Clay, with Grass		S-1		12	2-5-13-14 (18)		PID = 0.0
		Fill: Gray-brown coarse to fine SAND, little Silty Clay, trace fine Gravel		S-2		12	12-22-12-15 (34)		PID = 0.0 Moist at 3'
	5	Fill: Brown/gray-brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay	5	S-3		15	19-17-19-11 (36)		PID = 0.0 Wet at 5'
		Brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay		S-4		21	6-7-7-12 (14)		PID = 0.0 Wet
		Same as above		S-5		13	5-6-9-11 (15)		
	0	Brown coarse to fine SAND, some medium to fine Gravel, trace Silty Clay	10	S-6		13	5-23-8-9 (31)		Envi taken
		Brown coarse to fine SAND, little medium to fine Gravel, trace Silty Clay		S-7		19	10-8-7-18 (15)		
		Same as above							
	-5		15	S-8		22	7-10-18-16 (28)		Drill to 20'
	-10	Brown coarse to fine SAND, little medium to fine Gravel, little Silty Clay	20	S-9		6	2-4-3-1 (7)		Drill to 25'
	-15	Dark-brown/gray-brown coarse to fine Gravel, and coarse to fine Sand, trace Silty Clay	25	S-10		8	18-50/4"		
		BORING COMPLETED AT 25.9± FEET							
	-20		30						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-117

PROJECT NAME	Franklin Courts Redevlopment	**PROJECT LOCATION**	Tarrytown, New York
PROJECT NO.	12345	**ELEVATION DATUM**	NAVD88
DATE STARTED	12-18-2023	**COMPLETED**	12-18-2023
DRILLING CONTRACTOR	Coastal	**SAMPLE HAMMER**	Auto
SAMPLER	SPT	**AUGER INNER DIAMETER**	
EQUIPMENT	7822 DT Rig	**ROTARY BIT DIAMETER**	
DRILLING FOREMAN	Brian	**HELPER**	Paul
LOGGED BY	GM	**CHECKED BY**	J. Weber
LATITUDE	41.073498	**LONGITUDE**	-73.864152

GROUND ELEVATION	8.0±
DRILLING METHOD	Mud Rotary
OUTER DIAMETER	
CASING DIAMETER	4.00 in
CASING DEPTH	
FINAL DEPTH	38.2± ft
GROUNDWATER LEVELS:	
AT TIME OF DRILLING	6.00± ft
AT END OF DRILLING	
AFTER DRILLING	

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		4" Topsoil							
		Fill: Brown medium to fine SAND, some Silt, little medium to fine Gravel		S-1		23	3-3-5-9 (8)		PID = 0.0
		Same as above, with trace Roots		S-2		8	6-12-17-12 (29)		PID = 0.0
		Fill: Brown Silt, little medium to fine Sand, trace Gravel, with Roots							PID = 0.0
	3	Fill: Gray coarse to fine Sand, little fine Gravel, little Silt with Shell fragments	5	S-3		17	14-19-20-16 (39)		Moist
		Same as above, grading to medium to fine SAND, some Silt, trace medium to fine Gravel		S-4		21	17-18-10-16 (28)		PID = 0.0 (-200) = 20.8% Wet W.C. = 27.7%
		Same as above		S-5		22	10-8-16-15 (24)		PID = 0.2 Wet Env Sam (9-9.5)
	-2	Fill: Gray/dark brown Silty CLAY, with Organics No Recovery	10	S-6			WOH-WOH-2-2		Begin mud rotary at 10'
		Black Silty CLAY, trace fine Sand, with Organics		S-7		22	WOH-WOH-1-5		PID = 0.0 (-200) = 77.2% Wet W.C. = 76.9%
		Same as above							PID = 0.0
	-7	Gray-Black coarse to fine SAND, some Silty Clay, trace fine Gravel	15	S-8		23	6-5-4-5 (9)		Wet
		Same as above		S-9		20	2-2-4-7 (6)		(-200) = 26.2% W.C. = 28.7% PID = 0.0 Wet
									Drill to 20'
	-12	Gray Silty CLAY, some medium to fine Sand	20	S-10		18	WOH-1-2-6 (3)		(-200) = 54.4% W.C. = 22.7% PID = 0.1
									Drill to 25'
	-17	Gray Silty CLAY, little medium to fine Gravel, trace medium to fine Sand	25	S-11		6	10-50/4"		PID = 0.0
									Drill to 30'
	-22	Gray-brown Silty Clay, little medium to fine Gravel, trace medium to fine Sand	30	S-12		8	38-50/3"		
									Drill to 35'

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-117

PROJECT NAME Franklin Courts Redevlopment
PROJECT LOCATION Tarrytown, New York
PROJECT NO. 12345
ELEVATION DATUM NAVD88
GROUND ELEVATION 8.0 ft ±

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sample Data: Number	Type	Rec. (in)	Blows/6-in Core time/ft	N-Value (Blows/ft) 20 40 60 80	Remarks
		Gray-brown coarse to fine SAND, some medium to fine Gravel, little Silt		S-13		9	16-8-9-10 (17)		PID = 0.0
									Drill to 40'
									Grinding at 38'
		Dark brown coarse to fine Gravel, trace Sand, trace Silt		S-14		2	50/3"		Weathered Gneiss Rock fragments
		BORING COMPLETED AT 38.25± FEET DUE TO SPLIT SPOON REFUSAL							
	-32		40						
	-37		45						
	-42		50						
	-47		55						
	-52		60						
	-57		65						
	-62		70						

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-118

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.073487 **LONGITUDE** -73.864267

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 12.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil								
		Fill: Brown medium to fine SAND, some Silt, little coarse to fine Gravel, with roots		S-1		38	S-1		0.0 0.0 0.0 0.0	
		Fill: Gray medium to fine SAND, some Silt								
	7		5						0.0	
		Fill: Gray coarse to fine SAND, some Silt, some medium to fine Gravel		S-2		20	S-2		0.0 0.0 0.0	
		Fill: Gray CLAY, little fine Sand, trace fine Gravel							0.0 0.0	
	2	BOREHOLE COMPLETED AT 10± FEET	10						0.0	Boring converted to soil vapor point SV-102 after completion of boring.
	-3		15							
	-8		20							
	-13		25							
	-18		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-119

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.073623 **LONGITUDE** -73.864421

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 8.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 6.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil with Roots								
		Fill: Brown SILT, some medium to fine Sand, little coarse to fine Gravel, with Roots		S-1		42	S-1		0.0 0.0 0.0 0.0	
	3	Fill: Gray SILT, little medium to fine Sand	5						0.0	
		Fill: Gray medium to fine SAND, some coarse to fine Gravel, little Silty Clay		S-2		60	S-2		0.1 0.1	
		Fill: Gray coarse to fine SAND, some Silty Clay					SB-119(8-8.5)		0.1 0.1	
	-2	BOREHOLE COMPLETED AT 10± FEET	10						0.1	
	-7		15							
	-12		20							
	-17		25							
	-22		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-120

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.073289 **LONGITUDE** -73.846448

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 10.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 5.00± ft
CASING DEPTH ▼ **AT END OF DRILLING** 6.00± ft
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil with Roots								
		Fill: Brown SILT, little fine Sand, little coarse to fine Gravel							0.1	
									0.1	
				S-1		36	S-1			
		Fill: Dark brownish black SILT, little medium to fine Sand, trace Gravel, with Roots					SB-120(3-3.5)		0.1	
		Fill: Gray medium to fine SAND, some Silt, little fine Gravel							0.1	
	5		5						0.1	
		Fill: Brownish gray CLAY, some medium to fine Sand, trace Gravel							0.1	
		Fill: Gray coarse to fine SAND, some coarse to fine Gravel, little Silt, with shell fragments, fabric and tile							0.1	
				S-2		60	S-2		0.1	
									0.1	
	0	BOREHOLE COMPLETED AT 10± FEET	10						0.1	Boring converted to temporary groundwater monitoring well after completion of boring.
	-5		15							
	-10		20							
	-15		25							
	-20		30							

SESI CONSULTING ENGINEERS
GEOTECHNICAL | ENVIRONMENTAL | SITE CIVIL

BOREHOLE NUMBER: SB-121

PROJECT NAME Franklin Courts Redevlopment
PROJECT NO. 12345
DATE STARTED 12-13-2023 **COMPLETED** 12-13-2023
DRILLING CONTRACTOR Coastal
SAMPLER Direct Push
EQUIPMENT 7822DT Rig
DRILLING FOREMAN Brian **HELPER** Paul
LOGGED BY T. Jodexnis **CHECKED BY** J. Weber
LATITUDE 41.073246 **LONGITUDE** -73.864611

PROJECT LOCATION Tarrytown, New York
ELEVATION DATUM NAVD88 **GROUND ELEVATION** 8.0±
DRILLING METHOD Direct Push
SAMPLE HAMMER
AUGER INNER DIAMETER **OUTER DIAMETER**
ROTARY BIT DIAMETER **GROUNDWATER LEVELS:**
CASING DIAMETER ▽ **AT TIME OF DRILLING** 5.00± ft
CASING DEPTH ▼ **AT END OF DRILLING**
FINAL DEPTH 10.0± ft ▼ **AFTER DRILLING**

Material Symbol	EL (ft)	Sample Description	Depth (ft)	Sleeve Number	Sample Data: Type	Sample Data: Rec. (in)	Sample Data: Environmental Soil Sample Name	Sample Data: Blows/6-in Core time/ft	Sample Data: PID (ppm)	Remarks
		Topsoil with Roots								
		Fill: Brown SILT, some medium to fine Sand, trace coarse to fine Gravel, with Roots							0.0	
		Fill: Tan-gray coarse to fine SAND, some fine Gravel, little Silt							0.0	
		Fill: Dark gray Silty CLAY, little fine Sand, with Organics		S-1		38	S-1		0.0	
		Fill: Gray coarse to fine SAND, some medium to fine Gravel, some Silt, with Shell fragments							0.0	
	3		5						0.0	
				S-2		60	S-2		0.0	
		Fill: Gray CLAY, trace fine Gravel, trace fine Sand, with wood fragments							0.0	
							SB-121(9-9.5)		0.0	
	-2		10						0.0	
		BOREHOLE COMPLETED AT 10± FEET								
	-7		15							
	-12		20							
	-17		25							
	-22		30							

Appendix C:

Laboratory Analytical Reports

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

99 Franklin Courts, Tarrytown, NY

12345

SGS Job Number: JD78884

Sampling Date: 12/13/23

Report to:

SESI Consulting Engineers

ssg@sesi.org

ATTN: Steven Gustems

Total number of pages in report: 516

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about
how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Table of Contents

Sample Summary

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD78884-1	12/13/23	14:20	TAJ	12/14/23	SO	Soil	SB121 (9-9.5)
JD78884-2	12/13/23	14:05	TAJ	12/14/23	SO	Soil	SB120 (3-3.5)
JD78884-3	12/13/23	13:55	TAJ	12/14/23	SO	Soil	SB118 (5-5.5)
JD78884-4	12/13/23	13:40	TAJ	12/14/23	SO	Soil	SB119 (8-8.5)
JD78884-5	12/13/23	12:35	TAJ	12/14/23	SO	Soil	SB114 (4-4.5)
JD78884-6	12/13/23	12:15	TAJ	12/14/23	SO	Soil	SB110 (4.5-5)
JD78884-7	12/13/23	11:35	TAJ	12/14/23	SO	Soil	SB109 (9.5-10)
JD78884-8	12/13/23	11:55	TAJ	12/14/23	SO	Soil	SB113 (8.5-9)
JD78884-9	12/13/23	09:45	TAJ	12/14/23	SO	Soil	SB103 (4.5-5)
JD78884-10	12/13/23	10:20	TAJ	12/14/23	SO	Soil	SB104 (7-7.5)
JD78884-11	12/13/23	10:45	TAJ	12/14/23	SO	Soil	SB105 (8-8.5)
JD78884-12	12/13/23	11:00	TAJ	12/14/23	SO	Soil	SB106 (5.5-6)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: SESI Consulting Engineers **Job No:** JD78884

Site: 99 Franklin Courts, Tarrytown, NY **Report Date** 12/22/2023 2:51:55 A

On 12/14/2023, 12 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.8 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD78884 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V1C8572

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD78884-1MS, JD78884-3DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Acetone are outside control limits for sample JD78884-3DUP. RPD acceptable due to low DUP and sample concentrations.
- JD78884-2 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-11 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-1 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-3 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-4 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-5 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-6 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-10 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-7 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-8 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
- JD78884-9 for Dichlorodifluoromethane: Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

Matrix: SO **Batch ID:** V3C8075

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD78842-1MS, JD78842-3DUP, JD78842-1MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The matrix spike (MS) recovery(s) of Carbon disulfide are outside control limits. Outside control limits due to matrix interference.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51213

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78884-4MS, JD78884-4MSD were used as the QC samples indicated.
- The blank spike (BS) recovery(s) of 3,3'-Dichlorobenzidine, Di-n-octyl phthalate are outside control limits.
- The matrix spike (MS) recovery(s) of 1,4-Dioxane, Benzaldehyde, 2,4-Dinitrophenol are outside control limits. Probable cause due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of 2,4-Dinitrophenol are outside control limits. Probable cause due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of 1,4-Dioxane, Benzaldehyde, Hexachlorocyclopentadiene are outside control limits for sample OP51213-MSD. Probable cause due to sample homogeneity.
- JD78884-6 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-5 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-6 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-6 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-6 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-6 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-4 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-3 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-6 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51213

- JD78884-9 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- OP51213-MS for 2,4-Dinitrophenol: Outside of in house control limits.
- OP51213-MS for Benzaldehyde: Outside of in house control limits,acceptable recovery in the BSD.
- JD78884-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-10 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-9 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-9 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-9 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-9 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-9 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- OP51213-MS for 1,4-Dioxane: Outside of in house control limits,acceptable recovery in the BSD.
- JD78884-8 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-7 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-8 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-8 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-8 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-11 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-8 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD78884-12 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD78884-1 for 2,3,4,6-Tetrachlorophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD78884-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51213

- JD78884-1 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD78884-8 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP51199

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78884-1MS, JD78884-1MSD, OP51199-MSMSD were used as the QC samples indicated.
- The RPD(s) for the MS and MSD recoveries of Heptachlor are outside control limits for sample OP51199-MSD. Probable cause due to sample homogeneity.
- Sample(s) JD78884-10, JD78884-11, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-9 have surrogates outside control limits. Probable cause due to matrix interference.
- JD78884-10: Had TBA cleanup.
- JD78884-11: Had TBA cleanup.
- JD78884-8: Had TBA cleanup.
- JD78884-7: Had TBA cleanup.
- JD78884-11 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-10 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-10 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-11 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-2 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP51199-MB1 for Decachlorobiphenyl: Outside of in house control limits.
- JD78884-12 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-9 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-9 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-9 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-9 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- OP51199-BS1 for Decachlorobiphenyl: Outside of in house control limits.
- JD78884-6 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-5 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-5 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-4 for Decachlorobiphenyl: Outside of in house control limits.
- JD78884-3 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-3 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-2 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-2 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JD78884-2 for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP51200

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JD78884-2MS, JD78884-2MSD, OP51200-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78884-10, JD78884-11, JD78884-7, JD78884-8 have surrogates outside control limits. Probable cause due to matrix interference.
- JD78884-7 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- JD78884-8 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- JD78884-10 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD78884-11 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- JD78884-10 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP43775

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78869-1MS, JD78869-1MSD, JD78869-1PS, JD78869-1SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Antimony are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- The RPD(s) for the MS and MSD recoveries of Iron are outside control limits for sample MP43775-S2. High rpd due to possible sample nonhomogeneity.
- The serial dilution RPD(s) for Antimony, Selenium, Silver, Sodium are outside control limits for sample MP43775-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD78884-10 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- JD78884-10 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JD78884-10 for Copper: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP43825

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78884-1MSD, JD78884-1MS were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Mercury are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN49337

- Sample(s) JD78884-1DUP were used as the QC samples for the Solids, Percent analysis.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP51096

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78884-1DUP, JD78884-1MS were used as the QC samples for the Cyanide analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD78884-1	**SB121 (9-9.5)**					
Acetone		34.8	29	12	ug/kg	SW846 8260D
Benzo(a)anthracene		33.2 J	70	20	ug/kg	SW846 8270E
Benzo(a)pyrene		64.5 J	70	32	ug/kg	SW846 8270E
Benzo(b)fluoranthene		35.4 J	70	31	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		43.4 J	70	31	ug/kg	SW846 8270E
Fluoranthene		34.7 J	70	31	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		53.1 J	70	33	ug/kg	SW846 8270E
Pyrene		32.1 J	70	23	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		27060 J			ug/kg	
Aluminum		15800	110		mg/kg	SW846 6010D
Arsenic		8.3	4.2		mg/kg	SW846 6010D
Barium		71.6	42		mg/kg	SW846 6010D
Beryllium		1.9	0.42		mg/kg	SW846 6010D
Calcium		5730	1100		mg/kg	SW846 6010D
Chromium		29.8	2.1		mg/kg	SW846 6010D
Copper		20.2	5.3		mg/kg	SW846 6010D
Iron		28100	110		mg/kg	SW846 6010D
Lead		32.9	4.2		mg/kg	SW846 6010D
Magnesium		6480	1100		mg/kg	SW846 6010D
Manganese		316	3.2		mg/kg	SW846 6010D
Mercury		0.22	0.058		mg/kg	SW846 7471B
Nickel		25.7	8.4		mg/kg	SW846 6010D
Potassium		3090	2100		mg/kg	SW846 6010D
Vanadium		36.3	11		mg/kg	SW846 6010D
Zinc		77.0	11		mg/kg	SW846 6010D
JD78884-2	**SB120 (3-3.5)**					
Acetone		54.8	12	5.1	ug/kg	SW846 8260D
2-Butanone (MEK)		14.0	12	3.0	ug/kg	SW846 8260D
Acenaphthylene		31.2 J	40	20	ug/kg	SW846 8270E
Benzo(a)anthracene		75.2	40	11	ug/kg	SW846 8270E
Benzo(a)pyrene		142	40	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		175	40	18	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		100	40	20	ug/kg	SW846 8270E
Benzo(k)fluoranthene		50.4	40	19	ug/kg	SW846 8270E
Carbazole		12.5 J	80	5.8	ug/kg	SW846 8270E
Chrysene		106	40	13	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		54.7	40	18	ug/kg	SW846 8270E
Fluoranthene		186	40	18	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		95.4	40	19	ug/kg	SW846 8270E
2-Methylnaphthalene		10.9 J	40	9.0	ug/kg	SW846 8270E
Naphthalene		17.5 J	40	11	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phenanthrene		99.3	40	13	ug/kg	SW846 8270E
Pyrene		169	40	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1770 J			ug/kg	
alpha-Chlordane		0.18 J	0.44	0.060	ug/kg	SW846 8081B
gamma-Chlordane [a]		0.23 J	0.44	0.066	ug/kg	SW846 8081B
4,4'-DDD [a]		0.34 J	0.44	0.046	ug/kg	SW846 8081B
4,4'-DDE		0.55	0.44	0.053	ug/kg	SW846 8081B
4,4'-DDT [a]		0.34 J	0.44	0.077	ug/kg	SW846 8081B
Heptachlor epoxide		0.30 J	0.44	0.080	ug/kg	SW846 8081B
Aluminum		5200	58		mg/kg	SW846 6010D
Arsenic		2.8	2.3		mg/kg	SW846 6010D
Barium		28.1	23		mg/kg	SW846 6010D
Beryllium		0.52	0.23		mg/kg	SW846 6010D
Calcium		2070	580		mg/kg	SW846 6010D
Chromium		11.4	1.2		mg/kg	SW846 6010D
Copper		9.0	2.9		mg/kg	SW846 6010D
Iron		8890	58		mg/kg	SW846 6010D
Lead		15.7	2.3		mg/kg	SW846 6010D
Magnesium		2280	580		mg/kg	SW846 6010D
Manganese		119	1.7		mg/kg	SW846 6010D
Mercury		0.075	0.038		mg/kg	SW846 7471B
Nickel		9.1	4.6		mg/kg	SW846 6010D
Silver		0.59	0.58		mg/kg	SW846 6010D
Vanadium		13.1	5.8		mg/kg	SW846 6010D
Zinc		33.5	5.8		mg/kg	SW846 6010D
JD78884-3	**SB118 (5-5.5)**					
Carbon disulfide		1.4 J	2.2	0.59	ug/kg	SW846 8260D
Benzo(a)pyrene		24.3 J	40	18	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		35.4 J	80	9.3	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		890 J			ug/kg	
4,4'-DDE [a]		0.094 J	0.44	0.052	ug/kg	SW846 8081B
Aluminum		4180	60		mg/kg	SW846 6010D
Beryllium		0.56	0.24		mg/kg	SW846 6010D
Calcium		2500	600		mg/kg	SW846 6010D
Chromium		7.7	1.2		mg/kg	SW846 6010D
Copper		4.4	3.0		mg/kg	SW846 6010D
Iron		8180	60		mg/kg	SW846 6010D
Magnesium		2480	600		mg/kg	SW846 6010D
Manganese		93.7	1.8		mg/kg	SW846 6010D
Nickel		6.6	4.8		mg/kg	SW846 6010D
Vanadium		10.0	6.0		mg/kg	SW846 6010D
Zinc		23.6	6.0		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD78884-4	**SB119 (8-8.5)**					
Acetone		8.3 J	10	4.3	ug/kg	SW846 8260D
Carbon disulfide		0.74 J	2.1	0.55	ug/kg	SW846 8260D
Aluminum		4420	62		mg/kg	SW846 6010D
Beryllium		0.63	0.25		mg/kg	SW846 6010D
Calcium		2480	620		mg/kg	SW846 6010D
Chromium		9.3	1.2		mg/kg	SW846 6010D
Copper		4.4	3.1		mg/kg	SW846 6010D
Iron		8510	62		mg/kg	SW846 6010D
Magnesium		2510	620		mg/kg	SW846 6010D
Manganese		90.3	1.9		mg/kg	SW846 6010D
Nickel		8.1	5.0		mg/kg	SW846 6010D
Vanadium		11.4	6.2		mg/kg	SW846 6010D
Zinc		19.9	6.2		mg/kg	SW846 6010D
JD78884-5	**SB114 (4-4.5)**					
Acetone		5.1 J	12	5.1	ug/kg	SW846 8260D
Carbon disulfide		1.9 J	2.5	0.66	ug/kg	SW846 8260D
Benzo(a)pyrene		27.4 J	40	18	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		21.0 J	80	9.4	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		22.5 J	40	19	ug/kg	SW846 8270E
alpha-Chlordane [a]		0.24 J	0.48	0.065	ug/kg	SW846 8081B
gamma-Chlordane [a]		0.16 J	0.48	0.072	ug/kg	SW846 8081B
Aluminum		3920	62		mg/kg	SW846 6010D
Beryllium		0.54	0.25		mg/kg	SW846 6010D
Calcium		1360	620		mg/kg	SW846 6010D
Chromium		7.1	1.2		mg/kg	SW846 6010D
Copper		4.1	3.1		mg/kg	SW846 6010D
Iron		6560	62		mg/kg	SW846 6010D
Lead		3.9	2.5		mg/kg	SW846 6010D
Magnesium		1690	620		mg/kg	SW846 6010D
Manganese		68.3	1.9		mg/kg	SW846 6010D
Nickel		6.8	5.0		mg/kg	SW846 6010D
Vanadium		7.8	6.2		mg/kg	SW846 6010D
Zinc		29.8	6.2		mg/kg	SW846 6010D
JD78884-6	**SB110 (4.5-5)**					
Benzo(a)pyrene		27.8 J	42	19	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		24.4 J	42	20	ug/kg	SW846 8270E
4,4'-DDD [a]		0.083 J	0.46	0.049	ug/kg	SW846 8081B
Aluminum		5160	65		mg/kg	SW846 6010D
Beryllium		0.60	0.26		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		1160	650		mg/kg	SW846 6010D
Chromium		11.0	1.3		mg/kg	SW846 6010D
Copper		6.5	3.3		mg/kg	SW846 6010D
Iron		10800	65		mg/kg	SW846 6010D
Lead		4.3	2.6		mg/kg	SW846 6010D
Magnesium		2340	650		mg/kg	SW846 6010D
Manganese		109	2.0		mg/kg	SW846 6010D
Nickel		8.7	5.2		mg/kg	SW846 6010D
Vanadium		10.3	6.5		mg/kg	SW846 6010D
Zinc		25.3	6.5		mg/kg	SW846 6010D
JD78884-7	**SB109 (9.5-10)**					
Acetone		43.4	16	6.6	ug/kg	SW846 8260D
2-Butanone (MEK)		8.5 J	16	3.9	ug/kg	SW846 8260D
Benzo(a)anthracene		47.1 J	59	17	ug/kg	SW846 8270E
Benzo(a)pyrene		103	59	27	ug/kg	SW846 8270E
Benzo(b)fluoranthene		80.4	59	26	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		55.7 J	59	29	ug/kg	SW846 8270E
Benzo(k)fluoranthene		28.1 J	59	27	ug/kg	SW846 8270E
Benzaldehyde		58.9 J	290	15	ug/kg	SW846 8270E
Chrysene		39.7 J	59	18	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		42.0 J	59	26	ug/kg	SW846 8270E
Fluoranthene		60.4	59	26	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		77.7	59	28	ug/kg	SW846 8270E
Phenanthrene		30.2 J	59	20	ug/kg	SW846 8270E
Pyrene		47.2 J	59	19	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		7850 J			ug/kg	
Aluminum		7820	87		mg/kg	SW846 6010D
Arsenic		9.8	3.5		mg/kg	SW846 6010D
Barium		260	35		mg/kg	SW846 6010D
Beryllium		0.91	0.35		mg/kg	SW846 6010D
Calcium		8190	870		mg/kg	SW846 6010D
Chromium		19.1	1.7		mg/kg	SW846 6010D
Copper		43.4	4.4		mg/kg	SW846 6010D
Iron		19400	87		mg/kg	SW846 6010D
Lead		799	3.5		mg/kg	SW846 6010D
Magnesium		3380	870		mg/kg	SW846 6010D
Manganese		162	2.6		mg/kg	SW846 6010D
Mercury		0.76	0.049		mg/kg	SW846 7471B
Nickel		14.3	7.0		mg/kg	SW846 6010D
Silver		1.2	0.87		mg/kg	SW846 6010D
Vanadium		28.1	8.7		mg/kg	SW846 6010D
Zinc		706	8.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD78884-8	**SB113 (8.5-9)**					
Acetone		18.7 J	19	7.9	ug/kg	SW846 8260D
Acenaphthylene		24.7 J	48	24	ug/kg	SW846 8270E
Benzo(a)anthracene		80.0	48	13	ug/kg	SW846 8270E
Benzo(a)pyrene		145	48	22	ug/kg	SW846 8270E
Benzo(b)fluoranthene		161	48	21	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		86.4	48	24	ug/kg	SW846 8270E
Benzo(k)fluoranthene		54.7	48	22	ug/kg	SW846 8270E
Carbazole		19.6 J	95	6.9	ug/kg	SW846 8270E
Chrysene		102	48	15	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		40.2 J	48	21	ug/kg	SW846 8270E
Fluoranthene		205	48	21	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		96.4	48	22	ug/kg	SW846 8270E
Naphthalene		15.3 J	48	13	ug/kg	SW846 8270E
Phenanthrene		115	48	16	ug/kg	SW846 8270E
Pyrene		186	48	15	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		2930 J			ug/kg	
Aluminum		5070	73		mg/kg	SW846 6010D
Arsenic		6.8	2.9		mg/kg	SW846 6010D
Barium		179	29		mg/kg	SW846 6010D
Beryllium		1.5	0.29		mg/kg	SW846 6010D
Calcium		16000	730		mg/kg	SW846 6010D
Chromium		18.7	1.5		mg/kg	SW846 6010D
Copper		212	3.7		mg/kg	SW846 6010D
Iron		10100	73		mg/kg	SW846 6010D
Lead		460	2.9		mg/kg	SW846 6010D
Magnesium		3040	730		mg/kg	SW846 6010D
Manganese		124	2.2		mg/kg	SW846 6010D
Mercury		0.89	0.041		mg/kg	SW846 7471B
Nickel		11.7	5.9		mg/kg	SW846 6010D
Vanadium		28.6	7.3		mg/kg	SW846 6010D
Zinc		139	7.3		mg/kg	SW846 6010D
JD78884-9	**SB103 (4.5-5)**					
Acetone		24.3	14	5.8	ug/kg	SW846 8260D
2-Butanone (MEK)		5.6 J	14	3.4	ug/kg	SW846 8260D
Carbon disulfide		0.91 J	2.8	0.75	ug/kg	SW846 8260D
Acenaphthene		65.4	45	15	ug/kg	SW846 8270E
Acenaphthylene		62.4	45	23	ug/kg	SW846 8270E
Anthracene		41.7 J	45	27	ug/kg	SW846 8270E
Benzo(a)anthracene		123	45	13	ug/kg	SW846 8270E
Benzo(a)pyrene		195	45	20	ug/kg	SW846 8270E
Benzo(b)fluoranthene		228	45	20	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Benzo(g,h,i)perylene	131	45	22	ug/kg	SW846 8270E
Benzo(k)fluoranthene	67.9	45	21	ug/kg	SW846 8270E
1,1'-Biphenyl	9.4 J	90	6.1	ug/kg	SW846 8270E
Carbazole	14.0 J	90	6.5	ug/kg	SW846 8270E
Chrysene	137	45	14	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene	57.3	45	20	ug/kg	SW846 8270E
Dibenzofuran	32.1 J	90	18	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate	14.9 J	90	10	ug/kg	SW846 8270E
Fluoranthene	241	45	20	ug/kg	SW846 8270E
Fluorene	64.6	45	21	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene	131	45	21	ug/kg	SW846 8270E
2-Methylnaphthalene	56.0	45	10	ug/kg	SW846 8270E
Naphthalene	145	45	13	ug/kg	SW846 8270E
Phenanthrene	100	45	15	ug/kg	SW846 8270E
Pyrene	203	45	14	ug/kg	SW846 8270E
Total TIC, Semi-Volatile	2230 J			ug/kg	
gamma-BHC (Lindane) [a]	0.39 J	0.52	0.091	ug/kg	SW846 8081B
alpha-Chlordane	0.29 J	0.52	0.070	ug/kg	SW846 8081B
gamma-Chlordane [a]	0.53	0.52	0.078	ug/kg	SW846 8081B
4,4'-DDD	9.2	0.52	0.055	ug/kg	SW846 8081B
4,4'-DDE [a]	0.31 J	0.52	0.062	ug/kg	SW846 8081B
4,4'-DDT	2.1	0.52	0.091	ug/kg	SW846 8081B
Heptachlor epoxide	0.35 J	0.52	0.093	ug/kg	SW846 8081B
Aroclor 1254	11.8 J	26	2.8	ug/kg	SW846 8082A
Aluminum	7610	64		mg/kg	SW846 6010D
Arsenic	6.1	2.6		mg/kg	SW846 6010D
Barium	97.6	26		mg/kg	SW846 6010D
Beryllium	0.78	0.26		mg/kg	SW846 6010D
Cadmium	3.5	0.64		mg/kg	SW846 6010D
Calcium	21800	640		mg/kg	SW846 6010D
Chromium	15.1	1.3		mg/kg	SW846 6010D
Copper	51.4	3.2		mg/kg	SW846 6010D
Iron	15600	64		mg/kg	SW846 6010D
Lead	135	2.6		mg/kg	SW846 6010D
Magnesium	13900	640		mg/kg	SW846 6010D
Manganese	183	1.9		mg/kg	SW846 6010D
Mercury	0.14	0.035		mg/kg	SW846 7471B
Nickel	15.3	5.1		mg/kg	SW846 6010D
Potassium	1600	1300		mg/kg	SW846 6010D
Silver	0.81	0.64		mg/kg	SW846 6010D
Vanadium	18.5	6.4		mg/kg	SW846 6010D
Zinc	189	6.4		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD78884-10	**SB104 (7-7.5)**					
Acetone		35.6	12	5.1	ug/kg	SW846 8260D
2-Butanone (MEK)		6.0 J	12	3.0	ug/kg	SW846 8260D
Ethylbenzene		1.1 J	1.2	0.55	ug/kg	SW846 8260D
Isopropylbenzene		3.2	2.4	1.7	ug/kg	SW846 8260D
o-Xylene		0.64 J	1.2	0.56	ug/kg	SW846 8260D
Xylene (total)		0.64 J	1.2	0.56	ug/kg	SW846 8260D
Total TIC, Volatile		331.8 J			ug/kg	
Acenaphthene		14600	390	130	ug/kg	SW846 8270E
Acenaphthylene		3430	39	20	ug/kg	SW846 8270E
Anthracene		11100	390	240	ug/kg	SW846 8270E
Benzo(a)anthracene		14400	390	110	ug/kg	SW846 8270E
Benzo(a)pyrene		12900	390	180	ug/kg	SW846 8270E
Benzo(b)fluoranthene		15100	390	170	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		5930	390	190	ug/kg	SW846 8270E
Benzo(k)fluoranthene		2720	39	18	ug/kg	SW846 8270E
1,1'-Biphenyl		729	78	5.3	ug/kg	SW846 8270E
Carbazole		1590	78	5.6	ug/kg	SW846 8270E
Chrysene		10500	390	120	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		1920	39	17	ug/kg	SW846 8270E
Dibenzofuran		6700	780	160	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		38.7 J	78	9.1	ug/kg	SW846 8270E
Fluoranthene		29400	390	170	ug/kg	SW846 8270E
Fluorene		15100	390	180	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		6160	390	180	ug/kg	SW846 8270E
2-Methylnaphthalene		14200	390	88	ug/kg	SW846 8270E
Naphthalene		8400	390	110	ug/kg	SW846 8270E
Phenanthrene		37600	390	130	ug/kg	SW846 8270E
Pyrene		22200	390	120	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		38480 J			ug/kg	
alpha-BHC [b]		0.93	0.47	0.054	ug/kg	SW846 8081B
delta-BHC [b]		0.99	0.47	0.070	ug/kg	SW846 8081B
gamma-BHC (Lindane) [b]		0.61	0.47	0.082	ug/kg	SW846 8081B
alpha-Chlordane [b]		6.0	0.47	0.063	ug/kg	SW846 8081B
gamma-Chlordane [b]		9.5	0.47	0.070	ug/kg	SW846 8081B
4,4'-DDD [b]		7.0	0.47	0.049	ug/kg	SW846 8081B
4,4'-DDE [b]		2.9	0.47	0.056	ug/kg	SW846 8081B
4,4'-DDT [b]		2.1	0.47	0.082	ug/kg	SW846 8081B
Endosulfan sulfate [b]		17.1	0.47	0.056	ug/kg	SW846 8081B
Aluminum		9070	61		mg/kg	SW846 6010D
Arsenic		7.5	2.4		mg/kg	SW846 6010D
Barium		80.4	24		mg/kg	SW846 6010D
Beryllium		0.35	0.24		mg/kg	SW846 6010D
Calcium		6920	610		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chromium		20.0	1.2		mg/kg	SW846 6010D
Cobalt		9.6	6.1		mg/kg	SW846 6010D
Copper [c]		61.6	6.1		mg/kg	SW846 6010D
Iron		29600	120		mg/kg	SW846 6010D
Lead		203	2.4		mg/kg	SW846 6010D
Magnesium		4770	610		mg/kg	SW846 6010D
Manganese		320	1.8		mg/kg	SW846 6010D
Mercury		2.2	0.18		mg/kg	SW846 7471B
Nickel		19.5	4.9		mg/kg	SW846 6010D
Potassium		1820	1200		mg/kg	SW846 6010D
Silver [c]		1.7	1.2		mg/kg	SW846 6010D
Vanadium		26.9	6.1		mg/kg	SW846 6010D
Zinc		167	6.1		mg/kg	SW846 6010D
JD78884-11	**SB105 (8-8.5)**					
Acetone		43.7	18	7.4	ug/kg	SW846 8260D
2-Butanone (MEK)		5.6 J	18	4.3	ug/kg	SW846 8260D
Anthracene		57.8	49	30	ug/kg	SW846 8270E
Benzo(a)anthracene		224	49	14	ug/kg	SW846 8270E
Benzo(a)pyrene		272	49	22	ug/kg	SW846 8270E
Benzo(b)fluoranthene		262	49	22	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		119	49	24	ug/kg	SW846 8270E
Benzo(k)fluoranthene		103	49	23	ug/kg	SW846 8270E
Carbazole		8.8 J	97	7.1	ug/kg	SW846 8270E
Chrysene		189	49	15	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		61.7	49	22	ug/kg	SW846 8270E
Fluoranthene		346	49	22	ug/kg	SW846 8270E
Fluorene		26.6 J	49	22	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		133	49	23	ug/kg	SW846 8270E
Naphthalene		20.3 J	49	14	ug/kg	SW846 8270E
Phenanthrene		136	49	16	ug/kg	SW846 8270E
Pyrene		310	49	16	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		800 J			ug/kg	
alpha-Chlordane [b]		0.16 J	0.56	0.076	ug/kg	SW846 8081B
gamma-Chlordane [d]		0.095 J	0.56	0.084	ug/kg	SW846 8081B
Aluminum		15100	76		mg/kg	SW846 6010D
Arsenic		7.4	3.0		mg/kg	SW846 6010D
Barium		50.5	30		mg/kg	SW846 6010D
Beryllium		1.3	0.30		mg/kg	SW846 6010D
Calcium		3080	760		mg/kg	SW846 6010D
Chromium		28.5	1.5		mg/kg	SW846 6010D
Cobalt		11.4	7.6		mg/kg	SW846 6010D
Copper		27.8	3.8		mg/kg	SW846 6010D
Iron		24900	76		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Lead		63.7	3.0		mg/kg	SW846 6010D
Magnesium		5920	760		mg/kg	SW846 6010D
Manganese		286	2.3		mg/kg	SW846 6010D
Mercury		0.39	0.039		mg/kg	SW846 7471B
Nickel		25.9	6.1		mg/kg	SW846 6010D
Potassium		2730	1500		mg/kg	SW846 6010D
Silver		1.2	0.76		mg/kg	SW846 6010D
Vanadium		30.1	7.6		mg/kg	SW846 6010D
Zinc		92.0	7.6		mg/kg	SW846 6010D
JD78884-12	**SB106 (5.5-6)**					
Acetone		15.3	10	4.2	ug/kg	SW846 8260D
Carbon disulfide		0.67 J	2.0	0.55	ug/kg	SW846 8260D
Acenaphthylene		31.3 J	39	20	ug/kg	SW846 8270E
Anthracene		55.9	39	24	ug/kg	SW846 8270E
Benzo(a)anthracene		148	39	11	ug/kg	SW846 8270E
Benzo(a)pyrene		187	39	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		223	39	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		99.0	39	20	ug/kg	SW846 8270E
Benzo(k)fluoranthene		73.4	39	18	ug/kg	SW846 8270E
Butyl benzyl phthalate		48.8 J	78	9.6	ug/kg	SW846 8270E
Chrysene		129	39	12	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		47.5	39	17	ug/kg	SW846 8270E
bis(2-Ethylhexyl)phthalate		12.8 J	78	9.2	ug/kg	SW846 8270E
Fluoranthene		279	39	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		115	39	18	ug/kg	SW846 8270E
Phenanthrene		137	39	13	ug/kg	SW846 8270E
Pyrene		230	39	13	ug/kg	SW846 8270E
alpha-Chlordane		0.54	0.46	0.061	ug/kg	SW846 8081B
gamma-Chlordane [a]		0.16 J	0.46	0.068	ug/kg	SW846 8081B
4,4'-DDD		0.28 J	0.46	0.048	ug/kg	SW846 8081B
4,4'-DDT		0.12 J	0.46	0.080	ug/kg	SW846 8081B
Aluminum		8340	56		mg/kg	SW846 6010D
Arsenic		4.2	2.3		mg/kg	SW846 6010D
Barium		51.9	23		mg/kg	SW846 6010D
Beryllium		0.95	0.23		mg/kg	SW846 6010D
Calcium		5130	560		mg/kg	SW846 6010D
Chromium		17.7	1.1		mg/kg	SW846 6010D
Cobalt		6.8	5.6		mg/kg	SW846 6010D
Copper		51.0	2.8		mg/kg	SW846 6010D
Iron		14700	56		mg/kg	SW846 6010D
Lead		53.0	2.3		mg/kg	SW846 6010D
Magnesium		4800	560		mg/kg	SW846 6010D
Manganese		161	1.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD78884
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/13/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Mercury		0.20	0.032		mg/kg	SW846 7471B
Nickel		14.3	4.5		mg/kg	SW846 6010D
Potassium		1260	1100		mg/kg	SW846 6010D
Silver		0.78	0.56		mg/kg	SW846 6010D
Vanadium		19.2	5.6		mg/kg	SW846 6010D
Zinc		65.9	5.6		mg/kg	SW846 6010D

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Had TBA cleanup. More than 40 % RPD for detected concentrations between the two GC columns.
(c) Elevated detection limit due to dilution required for high interfering element.
(d) Had TBA cleanup.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197935.D	1	12/15/23 15:42	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	3.7 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	34.8	29	12	ug/kg	
71-43-2	Benzene	ND	1.4	1.3	ug/kg	
74-97-5	Bromochloromethane	ND	14	1.6	ug/kg	
75-27-4	Bromodichloromethane	ND	5.7	1.2	ug/kg	
75-25-2	Bromoform	ND	14	3.9	ug/kg	
74-83-9	Bromomethane	ND	14	2.2	ug/kg	
78-93-3	2-Butanone (MEK)	ND	29	6.9	ug/kg	
75-15-0	Carbon disulfide	ND	5.7	1.5	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.7	1.8	ug/kg	
108-90-7	Chlorobenzene	ND	5.7	1.3	ug/kg	
75-00-3	Chloroethane	ND	14	1.7	ug/kg	
67-66-3	Chloroform	ND	5.7	1.5	ug/kg	
74-87-3	Chloromethane	ND	14	5.6	ug/kg	
110-82-7	Cyclohexane	ND	5.7	1.9	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.7	2.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.7	1.6	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.9	1.2	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.9	1.6	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.9	1.4	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.9	1.4	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	14	2.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.9	1.4	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.9	1.3	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.9	1.9	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.9	2.4	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.9	1.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.7	1.3	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.7	1.4	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.7	1.3	ug/kg	
100-41-4	Ethylbenzene	ND	2.9	1.3	ug/kg	
76-13-1	Freon 113	ND	14	7.6	ug/kg	
591-78-6	2-Hexanone	ND	14	6.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.7	4.0	ug/kg	
79-20-9	Methyl Acetate	ND	14	4.0	ug/kg	
108-87-2	Methylcyclohexane	ND	5.7	2.5	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.9	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	14	6.5	ug/kg	
75-09-2	Methylene chloride	ND	14	7.4	ug/kg	
100-42-5	Styrene	ND	5.7	1.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.7	1.7	ug/kg	
127-18-4	Tetrachloroethene	ND	5.7	1.7	ug/kg	
108-88-3	Toluene	ND	2.9	1.5	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	14	7.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	14	7.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.7	1.4	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.7	1.6	ug/kg	
79-01-6	Trichloroethene	ND	2.9	2.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	14	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.7	1.4	ug/kg	
	m,p-Xylene	ND	2.9	2.6	ug/kg	
95-47-6	o-Xylene	ND	2.9	1.3	ug/kg	
1330-20-7	Xylene (total)	ND	2.9	1.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5110.D	1	12/20/23 14:13	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	140	35	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	350	43	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	350	60	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	350	130	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	350	260	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	350	75	ug/kg	
95-48-7	2-Methylphenol	ND	140	45	ug/kg	
	3&4-Methylphenol	ND	140	58	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	350	46	ug/kg	
100-02-7	4-Nitrophenol	ND	700	190	ug/kg	
87-86-5	Pentachlorophenol	ND	280	66	ug/kg	
108-95-2	Phenol	ND	140	37	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	350	47	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	350	53	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	350	42	ug/kg	
83-32-9	Acenaphthene	ND	70	24	ug/kg	
208-96-8	Acenaphthylene	ND	70	36	ug/kg	
98-86-2	Acetophenone	ND	350	15	ug/kg	
120-12-7	Anthracene	ND	70	43	ug/kg	
1912-24-9	Atrazine	ND	140	30	ug/kg	
56-55-3	Benzo(a)anthracene	33.2	70	20	ug/kg	J
50-32-8	Benzo(a)pyrene	64.5	70	32	ug/kg	J
205-99-2	Benzo(b)fluoranthene	35.4	70	31	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	70	35	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	70	33	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	140	27	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	140	17	ug/kg	
92-52-4	1,1'-Biphenyl	ND	140	9.6	ug/kg	
100-52-7	Benzaldehyde	ND	350	17	ug/kg	
91-58-7	2-Chloronaphthalene	ND	140	17	ug/kg	
106-47-8	4-Chloroaniline	ND	350	25	ug/kg	
86-74-8	Carbazole	ND	140	10	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	140	28	ug/kg	
218-01-9	Chrysene	ND	70	22	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	140	15	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	140	30	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	140	25	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	140	23	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	70	22	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	70	35	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	140	59	ug/kg	
123-91-1	1,4-Dioxane	ND	70	46	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	43.4	70	31	ug/kg	J
132-64-9	Dibenzofuran	ND	140	29	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	140	11	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	140	18	ug/kg	
84-66-2	Diethyl phthalate	ND	140	15	ug/kg	
131-11-3	Dimethyl phthalate	ND	140	13	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	140	16	ug/kg	
206-44-0	Fluoranthene	34.7	70	31	ug/kg	J
86-73-7	Fluorene	ND	70	32	ug/kg	
118-74-1	Hexachlorobenzene	ND	140	18	ug/kg	
87-68-3	Hexachlorobutadiene	ND	70	28	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	700	28	ug/kg	
67-72-1	Hexachloroethane	ND	350	35	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	53.1	70	33	ug/kg	J
78-59-1	Isophorone	ND	140	15	ug/kg	
91-57-6	2-Methylnaphthalene	ND	70	16	ug/kg	
88-74-4	2-Nitroaniline	ND	350	17	ug/kg	
99-09-2	3-Nitroaniline	ND	350	18	ug/kg	
100-01-6	4-Nitroaniline	ND	350	18	ug/kg	
91-20-3	Naphthalene	ND	70	20	ug/kg	
98-95-3	Nitrobenzene	ND	140	27	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	140	20	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	350	26	ug/kg	
85-01-8	Phenanthrene	ND	70	24	ug/kg	
129-00-0	Pyrene	32.1	70	23	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	18	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-96%
118-79-6	2,4,6-Tribromophenol	55%		10-123%
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	45%		11-109%
1718-51-0	Terphenyl-d14	51%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown alcohols	6.32	280	ug/kg	J
	unknown	10.64	2800	ug/kg	J
	unknown	10.84	1800	ug/kg	J
	unknown	10.90	3200	ug/kg	J
	unknown	11.10	480	ug/kg	J
	unknown	11.13	900	ug/kg	J
	unknown	11.29	1700	ug/kg	J
	unknown	11.48	1800	ug/kg	J
	unknown	11.53	1400	ug/kg	J
557-59-5	Tetracosanoic acid	11.69	370	ug/kg	JN
	unknown	11.76	1200	ug/kg	J
	unknown	11.87	1500	ug/kg	J
	unknown	11.92	620	ug/kg	J
	unknown	12.13	1900	ug/kg	J
	unknown	12.18	490	ug/kg	J
	unknown	12.59	430	ug/kg	J
	unknown	12.65	460	ug/kg	J
	alkane	12.87	550	ug/kg	J
	unknown alcohols	12.91	1300	ug/kg	J
	unknown	12.97	500	ug/kg	J
	unknown acid	13.18	430	ug/kg	J
	unknown	13.92	330	ug/kg	J
	unknown	14.01	610	ug/kg	J
	Sitosterol	14.22	310	ug/kg	J
	unknown	14.29	1700	ug/kg	J
	Total TIC, Semi-Volatile		27060	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB121 (9-9.5)		
Lab Sample ID:	JD78884-1	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	47.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134393.D	1	12/20/23 02:11	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.83	0.16	ug/kg	
319-84-6	alpha-BHC	ND	0.83	0.095	ug/kg	
319-85-7	beta-BHC	ND	0.83	0.12	ug/kg	
319-86-8	delta-BHC	ND	0.83	0.12	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.83	0.14	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.83	0.11	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.83	0.12	ug/kg	
60-57-1	Dieldrin	ND	0.83	0.13	ug/kg	
72-54-8	4,4'-DDD	ND	0.83	0.087	ug/kg	
72-55-9	4,4'-DDE	ND	0.83	0.099	ug/kg	
50-29-3	4,4'-DDT	ND	0.83	0.14	ug/kg	
72-20-8	Endrin	ND	0.83	0.12	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.83	0.099	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.83	0.24	ug/kg	
959-98-8	Endosulfan-I	ND	0.83	0.11	ug/kg	
33213-65-9	Endosulfan-II	ND	0.83	0.12	ug/kg	
76-44-8	Heptachlor	ND	0.83	0.11	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.83	0.15	ug/kg	
72-43-5	Methoxychlor	ND	0.83	0.33	ug/kg	
53494-70-5	Endrin ketone	ND	0.83	0.13	ug/kg	
8001-35-2	Toxaphene	ND	10	6.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	109%		66-150%
877-09-8	Tetrachloro-m-xylene	95%		66-150%
2051-24-3	Decachlorobiphenyl	121%		40-150%
2051-24-3	Decachlorobiphenyl	76%		40-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB121 (9-9.5)		
Lab Sample ID:	JD78884-1	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	47.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17343.D	1	12/20/23 04:15	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	41	18	ug/kg	
11104-28-2	Aroclor 1221	ND	41	14	ug/kg	
11141-16-5	Aroclor 1232	ND	41	34	ug/kg	
53469-21-9	Aroclor 1242	ND	41	25	ug/kg	
12672-29-6	Aroclor 1248	ND	41	8.9	ug/kg	
11097-69-1	Aroclor 1254	ND	41	4.5	ug/kg	
11096-82-5	Aroclor 1260	ND	41	14	ug/kg	
11100-14-4	Aroclor 1268	ND	41	4.2	ug/kg	
37324-23-5	Aroclor 1262	ND	41	3.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		42-159%
877-09-8	Tetrachloro-m-xylene	119%		42-159%
2051-24-3	Decachlorobiphenyl	90%		18-154%
2051-24-3	Decachlorobiphenyl	96%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB121 (9-9.5)
Lab Sample ID: JD78884-1
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 47.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15800	110	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 4.2	4.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	8.3	4.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	71.6	42	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	1.9	0.42	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 1.1	1.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	5730	1100	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	29.8	2.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 11	11	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	20.2	5.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	28100	110	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	32.9	4.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	6480	1100	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	316	3.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.22	0.058	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	25.7	8.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	3090	2100	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 4.2	4.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 1.1	1.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 2100	2100	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 2.1	2.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	36.3	11	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	77.0	11	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB121 (9-9.5)		
Lab Sample ID:	JD78884-1	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	47.4
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.60	0.60	mg/kg	1	12/19/23 14:21	JD	SW846 9012B/LACHAT
Solids, Percent	47.4		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197936.D	1	12/15/23 16:08	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	54.8	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.62	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.53	ug/kg	
75-25-2	Bromoform	ND	6.2	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.95	ug/kg	
78-93-3	2-Butanone (MEK)	14.0	12	3.0	ug/kg	
75-15-0	Carbon disulfide	ND	2.5	0.66	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.5	0.77	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.57	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.2	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.86	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.68	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.2	0.90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.76	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.59	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.57	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.56	ug/kg	
76-13-1	Freon 113	ND	6.2	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.2	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	1.8	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.2	3.2	ug/kg	
100-42-5	Styrene	ND	2.5	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.72	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.69	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.94	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.85	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.60	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.57	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.57	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-124%
17060-07-0	1,2-Dichloroethane-D4	104%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5100.D	1	12/20/23 10:58	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	26	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	31.2	40	20	ug/kg	J
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	25	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	75.2	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	142	40	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	175	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	100	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	50.4	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	12.5	80	5.8	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	80	16	ug/kg	
218-01-9	Chrysene	106	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	54.7	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	10	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	80	9.4	ug/kg	
206-44-0	Fluoranthene	186	40	18	ug/kg	
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	95.4	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	10.9	40	9.0	ug/kg	J
88-74-4	2-Nitroaniline	ND	200	9.4	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	17.5	40	11	ug/kg	J
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	99.3	40	13	ug/kg	
129-00-0	Pyrene	169	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	68%		10-123%
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	53%		11-109%
1718-51-0	Terphenyl-d14	60%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	11.48	220	ug/kg	J
	unknown	11.83	490	ug/kg	J
	unknown	11.92	200	ug/kg	J
	alkane	12.11	230	ug/kg	J
	unknown	13.86	190	ug/kg	J
	Sitosterol	14.22	440	ug/kg	J
	Total TIC, Semi-Volatile		1770	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB120 (3-3.5)		
Lab Sample ID:	JD78884-2	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	82.3
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134394.D	1	12/20/23 02:33	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.44	0.086	ug/kg	
319-84-6	alpha-BHC	ND	0.44	0.051	ug/kg	
319-85-7	beta-BHC	ND	0.44	0.064	ug/kg	
319-86-8	delta-BHC	ND	0.44	0.066	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.44	0.077	ug/kg	
5103-71-9	alpha-Chlordane	0.18	0.44	0.060	ug/kg	J
5103-74-2	gamma-Chlordane [a]	0.23	0.44	0.066	ug/kg	J
60-57-1	Dieldrin	ND	0.44	0.071	ug/kg	
72-54-8	4,4'-DDD [a]	0.34	0.44	0.046	ug/kg	J
72-55-9	4,4'-DDE	0.55	0.44	0.053	ug/kg	
50-29-3	4,4'-DDT [a]	0.34	0.44	0.077	ug/kg	J
72-20-8	Endrin	ND	0.44	0.064	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.44	0.053	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.44	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.44	0.060	ug/kg	
33213-65-9	Endosulfan-II	ND	0.44	0.062	ug/kg	
76-44-8	Heptachlor	ND	0.44	0.057	ug/kg	
1024-57-3	Heptachlor epoxide	0.30	0.44	0.080	ug/kg	J
72-43-5	Methoxychlor	ND	0.44	0.17	ug/kg	
53494-70-5	Endrin ketone	ND	0.44	0.071	ug/kg	
8001-35-2	Toxaphene	ND	5.5	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	125%		66-150%
877-09-8	Tetrachloro-m-xylene	113%		66-150%
2051-24-3	Decachlorobiphenyl	165% [b]		40-150%
2051-24-3	Decachlorobiphenyl	122%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB120 (3-3.5)		
Lab Sample ID:	JD78884-2	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	82.3
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17344.D	1	12/20/23 04:32	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	9.4	ug/kg	
11104-28-2	Aroclor 1221	ND	22	7.4	ug/kg	
11141-16-5	Aroclor 1232	ND	22	18	ug/kg	
53469-21-9	Aroclor 1242	ND	22	13	ug/kg	
12672-29-6	Aroclor 1248	ND	22	4.8	ug/kg	
11097-69-1	Aroclor 1254	ND	22	2.4	ug/kg	
11096-82-5	Aroclor 1260	ND	22	7.6	ug/kg	
11100-14-4	Aroclor 1268	ND	22	2.2	ug/kg	
37324-23-5	Aroclor 1262	ND	22	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	122%		42-159%
877-09-8	Tetrachloro-m-xylene	142%		42-159%
2051-24-3	Decachlorobiphenyl	101%		18-154%
2051-24-3	Decachlorobiphenyl	129%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5200	58	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	2.8	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	28.1	23	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Beryllium	0.52	0.23	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.58	0.58	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	2070	580	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	11.4	1.2	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 5.8	5.8	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Copper	9.0	2.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	8890	58	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	15.7	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	2280	580	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	119	1.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.075	0.038	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	9.1	4.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	0.59	0.58	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	13.1	5.8	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	33.5	5.8	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55266
(3) Instrument QC Batch: MA55268
(4) Prep QC Batch: MP43775
(5) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB120 (3-3.5)
Lab Sample ID: JD78884-2
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.3

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/19/23 14:22	JD	SW846 9012B/LACHAT
Solids, Percent	82.3		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB118 (5-5.5)
Lab Sample ID: JD78884-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197937.D	1	12/15/23 16:34	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	11	4.6	ug/kg	
71-43-2	Benzene	ND	0.56	0.51	ug/kg	
74-97-5	Bromochloromethane	ND	5.6	0.62	ug/kg	
75-27-4	Bromodichloromethane	ND	2.2	0.48	ug/kg	
75-25-2	Bromoform	ND	5.6	1.5	ug/kg	
74-83-9	Bromomethane	ND	5.6	0.85	ug/kg	
78-93-3	2-Butanone (MEK)	ND	11	2.7	ug/kg	
75-15-0	Carbon disulfide	1.4	2.2	0.59	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.2	0.69	ug/kg	
108-90-7	Chlorobenzene	ND	2.2	0.51	ug/kg	
75-00-3	Chloroethane	ND	5.6	0.66	ug/kg	
67-66-3	Chloroform	ND	2.2	0.58	ug/kg	
74-87-3	Chloromethane	ND	5.6	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.2	0.73	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.2	0.77	ug/kg	
124-48-1	Dibromochloromethane	ND	2.2	0.62	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.47	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.61	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.55	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.55	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	5.6	0.81	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.55	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.52	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.73	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.93	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.68	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.2	0.53	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.2	0.53	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.2	0.51	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.50	ug/kg	
76-13-1	Freon 113	ND	5.6	3.0	ug/kg	
591-78-6	2-Hexanone	ND	5.6	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.2	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.6	1.5	ug/kg	
108-87-2	Methylcyclohexane	ND	2.2	0.97	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.52	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.6	2.5	ug/kg	
75-09-2	Methylene chloride	ND	5.6	2.9	ug/kg	
100-42-5	Styrene	ND	2.2	0.45	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.2	0.67	ug/kg	
127-18-4	Tetrachloroethene	ND	2.2	0.64	ug/kg	
108-88-3	Toluene	ND	1.1	0.58	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.6	2.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.6	2.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.2	0.54	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.2	0.62	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.85	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.6	0.76	ug/kg	
75-01-4	Vinyl chloride	ND	2.2	0.53	ug/kg	
	m,p-Xylene	ND	1.1	0.99	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.51	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.51	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		80-124%
17060-07-0	1,2-Dichloroethane-D4	94%		75-133%
2037-26-5	Toluene-D8	106%		79-125%
460-00-4	4-Bromofluorobenzene	99%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5101.D	1	12/20/23 11:17	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	25	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	24	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	24.3	40	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	80	5.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB118 (5-5.5)
Lab Sample ID: JD78884-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.4

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	80	16	ug/kg	
218-01-9	Chrysene	ND	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	9.9	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	35.4	80	9.3	ug/kg	J
206-44-0	Fluoranthene	ND	40	18	ug/kg	
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.0	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.4	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	ND	40	13	ug/kg	
129-00-0	Pyrene	ND	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	17%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	20%		10-96%
118-79-6	2,4,6-Tribromophenol	61%		10-123%
4165-60-0	Nitrobenzene-d5	18%		10-109%
321-60-8	2-Fluorobiphenyl	27%		11-109%
1718-51-0	Terphenyl-d14	57%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	11.51	160	ug/kg	J
	unknown	11.63	520	ug/kg	J
	unknown	11.67	210	ug/kg	J
	Total TIC, Semi-Volatile		890	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134395.D	1	12/20/23 02:54	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.44	0.085	ug/kg	
319-84-6	alpha-BHC	ND	0.44	0.050	ug/kg	
319-85-7	beta-BHC	ND	0.44	0.063	ug/kg	
319-86-8	delta-BHC	ND	0.44	0.065	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.44	0.076	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.44	0.059	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.44	0.065	ug/kg	
60-57-1	Dieldrin	ND	0.44	0.070	ug/kg	
72-54-8	4,4'-DDD	ND	0.44	0.046	ug/kg	
72-55-9	4,4'-DDE [a]	0.094	0.44	0.052	ug/kg	J
50-29-3	4,4'-DDT	ND	0.44	0.076	ug/kg	
72-20-8	Endrin	ND	0.44	0.063	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.44	0.052	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.44	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.44	0.059	ug/kg	
33213-65-9	Endosulfan-II	ND	0.44	0.061	ug/kg	
76-44-8	Heptachlor	ND	0.44	0.057	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.44	0.078	ug/kg	
72-43-5	Methoxychlor	ND	0.44	0.17	ug/kg	
53494-70-5	Endrin ketone	ND	0.44	0.070	ug/kg	
8001-35-2	Toxaphene	ND	5.5	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	130%		66-150%
877-09-8	Tetrachloro-m-xylene	118%		66-150%
2051-24-3	Decachlorobiphenyl	159% [b]		40-150%
2051-24-3	Decachlorobiphenyl	103%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17345.D	1	12/20/23 04:48	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	9.3	ug/kg	
11104-28-2	Aroclor 1221	ND	22	7.3	ug/kg	
11141-16-5	Aroclor 1232	ND	22	18	ug/kg	
53469-21-9	Aroclor 1242	ND	22	13	ug/kg	
12672-29-6	Aroclor 1248	ND	22	4.7	ug/kg	
11097-69-1	Aroclor 1254	ND	22	2.4	ug/kg	
11096-82-5	Aroclor 1260	ND	22	7.5	ug/kg	
11100-14-4	Aroclor 1268	ND	22	2.2	ug/kg	
37324-23-5	Aroclor 1262	ND	22	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		42-159%
877-09-8	Tetrachloro-m-xylene	133%		42-159%
2051-24-3	Decachlorobiphenyl	112%		18-154%
2051-24-3	Decachlorobiphenyl	118%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB118 (5-5.5)
Lab Sample ID: JD78884-3
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4180	60	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.4	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.4	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 24	24	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.56	0.24	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.60	0.60	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2500	600	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	7.7	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.0	6.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	4.4	3.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8180	60	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	< 2.4	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2480	600	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	93.7	1.8	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.031	0.031	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	6.6	4.8	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.4	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.60	0.60	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	10.0	6.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	23.6	6.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB118 (5-5.5)		
Lab Sample ID:	JD78884-3	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	83.4
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.25	0.25	mg/kg	1	12/19/23 14:23	JD	SW846 9012B/LACHAT
Solids, Percent	83.4		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB119 (8-8.5)
Lab Sample ID: JD78884-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 80.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197938.D	1	12/15/23 17:01	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.3	10	4.3	ug/kg	J
71-43-2	Benzene	ND	0.52	0.47	ug/kg	
74-97-5	Bromochloromethane	ND	5.2	0.58	ug/kg	
75-27-4	Bromodichloromethane	ND	2.1	0.44	ug/kg	
75-25-2	Bromoform	ND	5.2	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.2	0.79	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	0.74	2.1	0.55	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.1	0.64	ug/kg	
108-90-7	Chlorobenzene	ND	2.1	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.2	0.61	ug/kg	
67-66-3	Chloroform	ND	2.1	0.54	ug/kg	
74-87-3	Chloromethane	ND	5.2	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.1	0.68	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.1	0.72	ug/kg	
124-48-1	Dibromochloromethane	ND	2.1	0.58	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.44	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	5.2	0.75	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.51	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.49	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.68	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.87	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.63	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.1	0.49	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.1	0.49	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.1	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.47	ug/kg	
76-13-1	Freon 113	ND	5.2	2.8	ug/kg	
591-78-6	2-Hexanone	ND	5.2	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB119 (8-8.5)
Lab Sample ID: JD78884-4
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 80.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.1	1.5	ug/kg	
79-20-9	Methyl Acetate	ND	5.2	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.1	0.90	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.2	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.2	2.7	ug/kg	
100-42-5	Styrene	ND	2.1	0.42	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.1	0.62	ug/kg	
127-18-4	Tetrachloroethene	ND	2.1	0.60	ug/kg	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.2	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.2	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.1	0.50	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.1	0.57	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.79	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.2	0.71	ug/kg	
75-01-4	Vinyl chloride	ND	2.1	0.50	ug/kg	
	m,p-Xylene	ND	1.0	0.93	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	88%		80-124%
17060-07-0	1,2-Dichloroethane-D4	99%		75-133%
2037-26-5	Toluene-D8	100%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB119 (8-8.5)		
Lab Sample ID:	JD78884-4	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	80.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5104.D	1	12/20/23 12:16	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	83	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	35	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	74	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	210	44	ug/kg	
95-48-7	2-Methylphenol	ND	83	26	ug/kg	
	3&4-Methylphenol	ND	83	34	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	210	27	ug/kg	
100-02-7	4-Nitrophenol	ND	410	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	39	ug/kg	
108-95-2	Phenol	ND	83	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	210	27	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	31	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	41	14	ug/kg	
208-96-8	Acenaphthylene	ND	41	21	ug/kg	
98-86-2	Acetophenone	ND	210	8.9	ug/kg	
120-12-7	Anthracene	ND	41	25	ug/kg	
1912-24-9	Atrazine	ND	83	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	41	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	41	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	41	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	41	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	41	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	83	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	83	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	83	5.7	ug/kg	
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	83	9.8	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	83	6.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB119 (8-8.5)
Lab Sample ID: JD78884-4
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 80.6

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	83	16	ug/kg	
218-01-9	Chrysene	ND	41	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	83	8.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	83	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	83	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	83	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	41	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	41	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	83	34	ug/kg	
123-91-1	1,4-Dioxane	ND	41	27	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	41	18	ug/kg	
132-64-9	Dibenzofuran	ND	83	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	83	6.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	83	10	ug/kg	
84-66-2	Diethyl phthalate	ND	83	8.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	83	7.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	83	9.7	ug/kg	
206-44-0	Fluoranthene	ND	41	18	ug/kg	
86-73-7	Fluorene	ND	41	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	83	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	41	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	410	16	ug/kg	
67-72-1	Hexachloroethane	ND	210	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	41	19	ug/kg	
78-59-1	Isophorone	ND	83	8.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	41	9.3	ug/kg	
88-74-4	2-Nitroaniline	ND	210	9.8	ug/kg	
99-09-2	3-Nitroaniline	ND	210	10	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	41	12	ug/kg	
98-95-3	Nitrobenzene	ND	83	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	83	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	ND	41	14	ug/kg	
129-00-0	Pyrene	ND	41	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB119 (8-8.5)		
Lab Sample ID:	JD78884-4	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	80.6
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	44%		10-96%
118-79-6	2,4,6-Tribromophenol	58%		10-123%
4165-60-0	Nitrobenzene-d5	46%		10-109%
321-60-8	2-Fluorobiphenyl	48%		11-109%
1718-51-0	Terphenyl-d14	55%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB119 (8-8.5)		
Lab Sample ID:	JD78884-4	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	80.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134396.D	1	12/20/23 03:15	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.49	0.095	ug/kg	
319-84-6	alpha-BHC	ND	0.49	0.056	ug/kg	
319-85-7	beta-BHC	ND	0.49	0.071	ug/kg	
319-86-8	delta-BHC	ND	0.49	0.073	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.49	0.085	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.49	0.066	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.49	0.073	ug/kg	
60-57-1	Dieldrin	ND	0.49	0.078	ug/kg	
72-54-8	4,4'-DDD	ND	0.49	0.051	ug/kg	
72-55-9	4,4'-DDE	ND	0.49	0.058	ug/kg	
50-29-3	4,4'-DDT	ND	0.49	0.085	ug/kg	
72-20-8	Endrin	ND	0.49	0.071	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.49	0.058	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.49	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.49	0.066	ug/kg	
33213-65-9	Endosulfan-II	ND	0.49	0.068	ug/kg	
76-44-8	Heptachlor	ND	0.49	0.063	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.49	0.088	ug/kg	
72-43-5	Methoxychlor	ND	0.49	0.19	ug/kg	
53494-70-5	Endrin ketone	ND	0.49	0.078	ug/kg	
8001-35-2	Toxaphene	ND	6.1	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	128%		66-150%
877-09-8	Tetrachloro-m-xylene	118%		66-150%
2051-24-3	Decachlorobiphenyl	159% [a]		40-150%
2051-24-3	Decachlorobiphenyl	104%		40-150%

(a) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB119 (8-8.5)		
Lab Sample ID:	JD78884-4	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	80.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17350.D	1	12/20/23 06:12	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	24	10	ug/kg	
11104-28-2	Aroclor 1221	ND	24	8.2	ug/kg	
11141-16-5	Aroclor 1232	ND	24	20	ug/kg	
53469-21-9	Aroclor 1242	ND	24	15	ug/kg	
12672-29-6	Aroclor 1248	ND	24	5.3	ug/kg	
11097-69-1	Aroclor 1254	ND	24	2.6	ug/kg	
11096-82-5	Aroclor 1260	ND	24	8.4	ug/kg	
11100-14-4	Aroclor 1268	ND	24	2.5	ug/kg	
37324-23-5	Aroclor 1262	ND	24	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	113%		42-159%
877-09-8	Tetrachloro-m-xylene	134%		42-159%
2051-24-3	Decachlorobiphenyl	118%		18-154%
2051-24-3	Decachlorobiphenyl	120%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB119 (8-8.5)
Lab Sample ID: JD78884-4
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 80.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4420	62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 25	25	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.63	0.25	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2480	620	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	9.3	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	4.4	3.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8510	62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2510	620	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	90.3	1.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.1	5.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	11.4	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	19.9	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB119 (8-8.5)
Lab Sample ID: JD78884-4
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 80.6

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/19/23 14:24	JD	SW846 9012B/LACHAT
Solids, Percent	80.6		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197939.D	1	12/15/23 17:27	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.1	12	5.1	ug/kg	J
71-43-2	Benzene	ND	0.62	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.2	0.69	ug/kg	
75-27-4	Bromodichloromethane	ND	2.5	0.53	ug/kg	
75-25-2	Bromoform	ND	6.2	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.2	0.94	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	3.0	ug/kg	
75-15-0	Carbon disulfide	1.9	2.5	0.66	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.5	0.76	ug/kg	
108-90-7	Chlorobenzene	ND	2.5	0.57	ug/kg	
75-00-3	Chloroethane	ND	6.2	0.73	ug/kg	
67-66-3	Chloroform	ND	2.5	0.64	ug/kg	
74-87-3	Chloromethane	ND	6.2	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.5	0.81	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.86	ug/kg	
124-48-1	Dibromochloromethane	ND	2.5	0.69	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.52	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.61	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.2	0.90	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.61	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.58	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.81	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.5	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	0.59	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	0.56	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.56	ug/kg	
76-13-1	Freon 113	ND	6.2	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.2	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.5	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	6.2	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.5	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.58	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.2	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.2	3.2	ug/kg	
100-42-5	Styrene	ND	2.5	0.50	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.5	0.74	ug/kg	
127-18-4	Tetrachloroethene	ND	2.5	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.65	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.2	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.2	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.60	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.5	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.94	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.2	0.84	ug/kg	
75-01-4	Vinyl chloride	ND	2.5	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.56	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-124%
17060-07-0	1,2-Dichloroethane-D4	98%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5105.D	1	12/20/23 12:35	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	25	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	26	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	25	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	40	11	ug/kg	
50-32-8	Benzo(a)pyrene	27.4	40	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	40	18	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.8	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	80	5.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	80	16	ug/kg	
218-01-9	Chrysene	ND	40	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	10	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	21.0	80	9.4	ug/kg	J
206-44-0	Fluoranthene	ND	40	18	ug/kg	
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	22.5	40	19	ug/kg	J
78-59-1	Isophorone	ND	80	8.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.0	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.4	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	ND	40	13	ug/kg	
129-00-0	Pyrene	ND	40	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	32%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB114 (4-4.5)		
Lab Sample ID:	JD78884-5	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.8
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	35%		10-96%
118-79-6	2,4,6-Tribromophenol	67%		10-123%
4165-60-0	Nitrobenzene-d5	34%		10-109%
321-60-8	2-Fluorobiphenyl	42%		11-109%
1718-51-0	Terphenyl-d14	61%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Method: SW846 8081B SW846 3570
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134397.D	1	12/20/23 03:36	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.48	0.094	ug/kg	
319-84-6	alpha-BHC	ND	0.48	0.056	ug/kg	
319-85-7	beta-BHC	ND	0.48	0.070	ug/kg	
319-86-8	delta-BHC	ND	0.48	0.072	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.48	0.085	ug/kg	
5103-71-9	alpha-Chlordane [a]	0.24	0.48	0.065	ug/kg	J
5103-74-2	gamma-Chlordane [a]	0.16	0.48	0.072	ug/kg	J
60-57-1	Dieldrin	ND	0.48	0.077	ug/kg	
72-54-8	4,4'-DDD	ND	0.48	0.051	ug/kg	
72-55-9	4,4'-DDE	ND	0.48	0.058	ug/kg	
50-29-3	4,4'-DDT	ND	0.48	0.085	ug/kg	
72-20-8	Endrin	ND	0.48	0.070	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.48	0.058	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.48	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.48	0.065	ug/kg	
33213-65-9	Endosulfan-II	ND	0.48	0.068	ug/kg	
76-44-8	Heptachlor	ND	0.48	0.063	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.48	0.087	ug/kg	
72-43-5	Methoxychlor	ND	0.48	0.19	ug/kg	
53494-70-5	Endrin ketone	ND	0.48	0.077	ug/kg	
8001-35-2	Toxaphene	ND	6.0	4.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		66-150%
877-09-8	Tetrachloro-m-xylene	123%		66-150%
2051-24-3	Decachlorobiphenyl	163% [b]		40-150%
2051-24-3	Decachlorobiphenyl	108%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB114 (4-4.5)		
Lab Sample ID:	JD78884-5	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	82.8
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17351.D	1	12/20/23 06:28	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	24	10	ug/kg	
11104-28-2	Aroclor 1221	ND	24	8.1	ug/kg	
11141-16-5	Aroclor 1232	ND	24	20	ug/kg	
53469-21-9	Aroclor 1242	ND	24	14	ug/kg	
12672-29-6	Aroclor 1248	ND	24	5.2	ug/kg	
11097-69-1	Aroclor 1254	ND	24	2.6	ug/kg	
11096-82-5	Aroclor 1260	ND	24	8.3	ug/kg	
11100-14-4	Aroclor 1268	ND	24	2.4	ug/kg	
37324-23-5	Aroclor 1262	ND	24	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		42-159%
877-09-8	Tetrachloro-m-xylene	138%		42-159%
2051-24-3	Decachlorobiphenyl	122%		18-154%
2051-24-3	Decachlorobiphenyl	122%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB114 (4-4.5)
Lab Sample ID: JD78884-5
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 82.8

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	3920	62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 25	25	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.54	0.25	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.62	0.62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1360	620	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	7.1	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.2	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	4.1	3.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	6560	62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	3.9	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	1690	620	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	68.3	1.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.034	0.034	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	6.8	5.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.5	2.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.62	0.62	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1200	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.2	1.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	7.8	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	29.8	6.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB114 (4-4.5)		
Lab Sample ID:	JD78884-5	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	82.8
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	12/19/23 14:25	JD	SW846 9012B/LACHAT
Solids, Percent	82.8		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197940.D	1	12/15/23 17:53	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	13	5.4	ug/kg	
71-43-2	Benzene	ND	0.65	0.59	ug/kg	
74-97-5	Bromochloromethane	ND	6.5	0.73	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.56	ug/kg	
75-25-2	Bromoform	ND	6.5	1.8	ug/kg	
74-83-9	Bromomethane	ND	6.5	0.99	ug/kg	
78-93-3	2-Butanone (MEK)	ND	13	3.2	ug/kg	
75-15-0	Carbon disulfide	ND	2.6	0.70	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	0.80	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.60	ug/kg	
75-00-3	Chloroethane	ND	6.5	0.77	ug/kg	
67-66-3	Chloroform	ND	2.6	0.68	ug/kg	
74-87-3	Chloromethane	ND	6.5	2.6	ug/kg	
110-82-7	Cyclohexane	ND	2.6	0.86	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.6	0.90	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.73	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.55	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.71	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.65	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.64	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.5	0.95	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.64	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.61	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.85	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.80	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.62	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.62	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.59	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.59	ug/kg	
76-13-1	Freon 113	ND	6.5	3.5	ug/kg	
591-78-6	2-Hexanone	ND	6.5	2.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB110 (4.5-5)
Lab Sample ID: JD78884-6
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 78.4

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.6	1.8	ug/kg	
79-20-9	Methyl Acetate	ND	6.5	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.6	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.61	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.5	3.0	ug/kg	
75-09-2	Methylene chloride	ND	6.5	3.4	ug/kg	
100-42-5	Styrene	ND	2.6	0.52	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.78	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.75	ug/kg	
108-88-3	Toluene	ND	1.3	0.68	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.5	3.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.5	3.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.63	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.72	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.99	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.5	0.89	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.63	ug/kg	
	m,p-Xylene	ND	1.3	1.2	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.60	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.60	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		80-124%
17060-07-0	1,2-Dichloroethane-D4	98%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	94%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5106.D	1	12/20/23 12:55	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	84	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	75	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	210	45	ug/kg	
95-48-7	2-Methylphenol	ND	84	27	ug/kg	
	3&4-Methylphenol	ND	84	35	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	210	28	ug/kg	
100-02-7	4-Nitrophenol	ND	420	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	84	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	210	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	42	15	ug/kg	
208-96-8	Acenaphthylene	ND	42	21	ug/kg	
98-86-2	Acetophenone	ND	210	9.1	ug/kg	
120-12-7	Anthracene	ND	42	26	ug/kg	
1912-24-9	Atrazine	ND	84	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	42	12	ug/kg	
50-32-8	Benzo(a)pyrene	27.8	42	19	ug/kg	J
205-99-2	Benzo(b)fluoranthene	ND	42	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	84	5.8	ug/kg	
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	10	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	84	6.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB110 (4.5-5)
Lab Sample ID: JD78884-6
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 78.4

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	84	17	ug/kg	
218-01-9	Chrysene	ND	42	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	84	9.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	84	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	42	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	42	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	84	35	ug/kg	
123-91-1	1,4-Dioxane	ND	42	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	19	ug/kg	
132-64-9	Dibenzofuran	ND	84	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	84	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	84	11	ug/kg	
84-66-2	Diethyl phthalate	ND	84	9.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	7.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	84	9.9	ug/kg	
206-44-0	Fluoranthene	ND	42	19	ug/kg	
86-73-7	Fluorene	ND	42	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	84	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	420	17	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	24.4	42	20	ug/kg	J
78-59-1	Isophorone	ND	84	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	42	9.5	ug/kg	
88-74-4	2-Nitroaniline	ND	210	10	ug/kg	
99-09-2	3-Nitroaniline	ND	210	11	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	42	12	ug/kg	
98-95-3	Nitrobenzene	ND	84	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	84	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	ND	42	14	ug/kg	
129-00-0	Pyrene	ND	42	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	40%		10-96%
118-79-6	2,4,6-Tribromophenol	52%		10-123%
4165-60-0	Nitrobenzene-d5	40%		10-109%
321-60-8	2-Fluorobiphenyl	41%		11-109%
1718-51-0	Terphenyl-d14	51%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.75	370	ug/kg	J
	system artifact	3.90	390	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134398.D	1	12/20/23 03:57	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.46	0.090	ug/kg	
319-84-6	alpha-BHC	ND	0.46	0.053	ug/kg	
319-85-7	beta-BHC	ND	0.46	0.067	ug/kg	
319-86-8	delta-BHC	ND	0.46	0.070	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.46	0.081	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.46	0.063	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.46	0.070	ug/kg	
60-57-1	Dieldrin	ND	0.46	0.074	ug/kg	
72-54-8	4,4'-DDD [a]	0.083	0.46	0.049	ug/kg	J
72-55-9	4,4'-DDE	ND	0.46	0.056	ug/kg	
50-29-3	4,4'-DDT	ND	0.46	0.081	ug/kg	
72-20-8	Endrin	ND	0.46	0.067	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.46	0.056	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.46	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.46	0.063	ug/kg	
33213-65-9	Endosulfan-II	ND	0.46	0.065	ug/kg	
76-44-8	Heptachlor	ND	0.46	0.060	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.46	0.083	ug/kg	
72-43-5	Methoxychlor	ND	0.46	0.18	ug/kg	
53494-70-5	Endrin ketone	ND	0.46	0.074	ug/kg	
8001-35-2	Toxaphene	ND	5.8	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		66-150%
877-09-8	Tetrachloro-m-xylene	121%		66-150%
2051-24-3	Decachlorobiphenyl	159% [b]		40-150%
2051-24-3	Decachlorobiphenyl	108%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17352.D	1	12/20/23 06:45	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	23	9.9	ug/kg	
11104-28-2	Aroclor 1221	ND	23	7.8	ug/kg	
11141-16-5	Aroclor 1232	ND	23	19	ug/kg	
53469-21-9	Aroclor 1242	ND	23	14	ug/kg	
12672-29-6	Aroclor 1248	ND	23	5.0	ug/kg	
11097-69-1	Aroclor 1254	ND	23	2.5	ug/kg	
11096-82-5	Aroclor 1260	ND	23	8.0	ug/kg	
11100-14-4	Aroclor 1268	ND	23	2.3	ug/kg	
37324-23-5	Aroclor 1262	ND	23	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	112%		42-159%
877-09-8	Tetrachloro-m-xylene	133%		42-159%
2051-24-3	Decachlorobiphenyl	114%		18-154%
2051-24-3	Decachlorobiphenyl	120%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB110 (4.5-5)
Lab Sample ID: JD78884-6
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 78.4

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5160	65	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.6	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 2.6	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	< 26	26	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.60	0.26	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.65	0.65	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1160	650	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	11.0	1.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 6.5	6.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	6.5	3.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10800	65	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	4.3	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2340	650	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	109	2.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.035	0.035	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.7	5.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1300	1300	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.6	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.65	0.65	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1300	1300	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.3	1.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	10.3	6.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	25.3	6.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB110 (4.5-5)		
Lab Sample ID:	JD78884-6	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	78.4
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.28	0.28	mg/kg	1	12/19/23 14:26	JD	SW846 9012B/LACHAT
Solids, Percent	78.4		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB109 (9.5-10)
Lab Sample ID: JD78884-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 56.2

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197951.D	1	12/15/23 22:45	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	43.4	16	6.6	ug/kg	
71-43-2	Benzene	ND	0.79	0.72	ug/kg	
74-97-5	Bromochloromethane	ND	7.9	0.89	ug/kg	
75-27-4	Bromodichloromethane	ND	3.2	0.68	ug/kg	
75-25-2	Bromoform	ND	7.9	2.2	ug/kg	
74-83-9	Bromomethane	ND	7.9	1.2	ug/kg	
78-93-3	2-Butanone (MEK)	8.5	16	3.9	ug/kg	J
75-15-0	Carbon disulfide	ND	3.2	0.85	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.2	0.98	ug/kg	
108-90-7	Chlorobenzene	ND	3.2	0.73	ug/kg	
75-00-3	Chloroethane	ND	7.9	0.94	ug/kg	
67-66-3	Chloroform	ND	3.2	0.82	ug/kg	
74-87-3	Chloromethane	ND	7.9	3.1	ug/kg	
110-82-7	Cyclohexane	ND	3.2	1.0	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.2	1.1	ug/kg	
124-48-1	Dibromochloromethane	ND	3.2	0.89	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.6	0.67	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.6	0.87	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.6	0.79	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.6	0.78	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	7.9	1.2	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.6	0.79	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.6	0.75	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.6	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.6	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.6	0.97	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.2	0.75	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.2	0.75	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.2	0.73	ug/kg	
100-41-4	Ethylbenzene	ND	1.6	0.72	ug/kg	
76-13-1	Freon 113	ND	7.9	4.2	ug/kg	
591-78-6	2-Hexanone	ND	7.9	3.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB109 (9.5-10)
Lab Sample ID: JD78884-7
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 56.2

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	3.2	2.3	ug/kg	
79-20-9	Methyl Acetate	ND	7.9	2.2	ug/kg	
108-87-2	Methylcyclohexane	ND	3.2	1.4	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.6	0.75	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.9	3.6	ug/kg	
75-09-2	Methylene chloride	ND	7.9	4.1	ug/kg	
100-42-5	Styrene	ND	3.2	0.64	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.2	0.95	ug/kg	
127-18-4	Tetrachloroethene	ND	3.2	0.92	ug/kg	
108-88-3	Toluene	ND	1.6	0.83	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.9	4.0	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.9	4.0	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.2	0.77	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.2	0.88	ug/kg	
79-01-6	Trichloroethene	ND	1.6	1.2	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.9	1.1	ug/kg	
75-01-4	Vinyl chloride	ND	3.2	0.76	ug/kg	
	m,p-Xylene	ND	1.6	1.4	ug/kg	
95-47-6	o-Xylene	ND	1.6	0.73	ug/kg	
1330-20-7	Xylene (total)	ND	1.6	0.73	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	100%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB109 (9.5-10)		
Lab Sample ID:	JD78884-7	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	56.2
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5107.D	1	12/20/23 13:14	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	120	29	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	290	36	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	290	50	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	290	100	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	290	220	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	290	63	ug/kg	
95-48-7	2-Methylphenol	ND	120	38	ug/kg	
	3&4-Methylphenol	ND	120	48	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	290	39	ug/kg	
100-02-7	4-Nitrophenol	ND	590	160	ug/kg	
87-86-5	Pentachlorophenol	ND	230	55	ug/kg	
108-95-2	Phenol	ND	120	31	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	290	39	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	290	44	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	290	35	ug/kg	
83-32-9	Acenaphthene	ND	59	20	ug/kg	
208-96-8	Acenaphthylene	ND	59	30	ug/kg	
98-86-2	Acetophenone	ND	290	13	ug/kg	
120-12-7	Anthracene	ND	59	36	ug/kg	
1912-24-9	Atrazine	ND	120	25	ug/kg	
56-55-3	Benzo(a)anthracene	47.1	59	17	ug/kg	J
50-32-8	Benzo(a)pyrene	103	59	27	ug/kg	
205-99-2	Benzo(b)fluoranthene	80.4	59	26	ug/kg	
191-24-2	Benzo(g,h,i)perylene	55.7	59	29	ug/kg	J
207-08-9	Benzo(k)fluoranthene	28.1	59	27	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	120	23	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	120	14	ug/kg	
92-52-4	1,1'-Biphenyl	ND	120	8.0	ug/kg	
100-52-7	Benzaldehyde	58.9	290	15	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	120	14	ug/kg	
106-47-8	4-Chloroaniline	ND	290	21	ug/kg	
86-74-8	Carbazole	ND	120	8.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB109 (9.5-10)
Lab Sample ID: JD78884-7
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 56.2

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	120	23	ug/kg	
218-01-9	Chrysene	39.7	59	18	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	120	13	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	120	25	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	120	21	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	120	19	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	59	18	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	59	29	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	120	49	ug/kg	
123-91-1	1,4-Dioxane	ND	59	39	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	42.0	59	26	ug/kg	J
132-64-9	Dibenzofuran	ND	120	24	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	120	9.6	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	120	15	ug/kg	
84-66-2	Diethyl phthalate	ND	120	13	ug/kg	
131-11-3	Dimethyl phthalate	ND	120	10	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	120	14	ug/kg	
206-44-0	Fluoranthene	60.4	59	26	ug/kg	
86-73-7	Fluorene	ND	59	27	ug/kg	
118-74-1	Hexachlorobenzene	ND	120	15	ug/kg	
87-68-3	Hexachlorobutadiene	ND	59	24	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	590	23	ug/kg	
67-72-1	Hexachloroethane	ND	290	29	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	77.7	59	28	ug/kg	
78-59-1	Isophorone	ND	120	13	ug/kg	
91-57-6	2-Methylnaphthalene	ND	59	13	ug/kg	
88-74-4	2-Nitroaniline	ND	290	14	ug/kg	
99-09-2	3-Nitroaniline	ND	290	15	ug/kg	
100-01-6	4-Nitroaniline	ND	290	15	ug/kg	
91-20-3	Naphthalene	ND	59	17	ug/kg	
98-95-3	Nitrobenzene	ND	120	23	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	120	17	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	290	21	ug/kg	
85-01-8	Phenanthrene	30.2	59	20	ug/kg	J
129-00-0	Pyrene	47.2	59	19	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	290	15	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	22%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB109 (9.5-10)
Lab Sample ID: JD78884-7
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 56.2

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	32%		10-96%
118-79-6	2,4,6-Tribromophenol	69%		10-123%
4165-60-0	Nitrobenzene-d5	27%		10-109%
321-60-8	2-Fluorobiphenyl	46%		11-109%
1718-51-0	Terphenyl-d14	58%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	8.12	280	ug/kg	J
57-10-3	n-Hexadecanoic acid	8.92	240	ug/kg	JN
	unknown	9.02	250	ug/kg	J
	unknown	9.22	240	ug/kg	J
	unknown	10.31	1300	ug/kg	J
	unknown PAH substance	10.73	330	ug/kg	J
	unknown	10.84	280	ug/kg	J
	unknown	11.48	620	ug/kg	J
	unknown	11.63	240	ug/kg	J
	alkane	11.78	240	ug/kg	J
	unknown	11.91	250	ug/kg	J
	alkane	12.11	920	ug/kg	J
	alkane	12.86	490	ug/kg	J
59-02-9	Vitamin E	13.09	250	ug/kg	JN
	unknown	13.91	260	ug/kg	J
	unknown	13.99	310	ug/kg	J
	Sitosterol	14.22	660	ug/kg	J
19466-47-8	Stigmastanol	14.31	260	ug/kg	JN
	unknown	14.39	430	ug/kg	J
	Total TIC, Semi-Volatile		7850	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB109 (9.5-10)		
Lab Sample ID:	JD78884-7	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	56.2
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5G134424.D	1	12/20/23 17:54	MLC	12/19/23 14:30	OP51199	G5G3460
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.71	0.14	ug/kg	
319-84-6	alpha-BHC	ND	0.71	0.082	ug/kg	
319-85-7	beta-BHC	ND	0.71	0.10	ug/kg	
319-86-8	delta-BHC	ND	0.71	0.11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.71	0.12	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.71	0.096	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.71	0.11	ug/kg	
60-57-1	Dieldrin	ND	0.71	0.11	ug/kg	
72-54-8	4,4'-DDD	ND	0.71	0.075	ug/kg	
72-55-9	4,4'-DDE	ND	0.71	0.085	ug/kg	
50-29-3	4,4'-DDT	ND	0.71	0.12	ug/kg	
72-20-8	Endrin	ND	0.71	0.10	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.71	0.085	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.71	0.21	ug/kg	
959-98-8	Endosulfan-I	ND	0.71	0.096	ug/kg	
33213-65-9	Endosulfan-II	ND	0.71	0.10	ug/kg	
76-44-8	Heptachlor	ND	0.71	0.093	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.71	0.13	ug/kg	
72-43-5	Methoxychlor	ND	0.71	0.28	ug/kg	
53494-70-5	Endrin ketone	ND	0.71	0.11	ug/kg	
8001-35-2	Toxaphene	ND	8.9	5.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	119%		66-150%
877-09-8	Tetrachloro-m-xylene	115%		66-150%
2051-24-3	Decachlorobiphenyl	106%		40-150%
2051-24-3	Decachlorobiphenyl	81%		40-150%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB109 (9.5-10)		
Lab Sample ID:	JD78884-7	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	56.2
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17353.D	1	12/20/23 07:02	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	36	15	ug/kg	
11104-28-2	Aroclor 1221	ND	36	12	ug/kg	
11141-16-5	Aroclor 1232	ND	36	30	ug/kg	
53469-21-9	Aroclor 1242	ND	36	21	ug/kg	
12672-29-6	Aroclor 1248	ND	36	7.7	ug/kg	
11097-69-1	Aroclor 1254	ND	36	3.8	ug/kg	
11096-82-5	Aroclor 1260	ND	36	12	ug/kg	
11100-14-4	Aroclor 1268	ND	36	3.6	ug/kg	
37324-23-5	Aroclor 1262	ND	36	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	135%		42-159%
877-09-8	Tetrachloro-m-xylene	165% [a]		42-159%
2051-24-3	Decachlorobiphenyl	95%		18-154%
2051-24-3	Decachlorobiphenyl	108%		18-154%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB109 (9.5-10)
Lab Sample ID: JD78884-7
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 56.2

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7820	87	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 3.5	3.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	9.8	3.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	260	35	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.91	0.35	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.87	0.87	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	8190	870	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	19.1	1.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 8.7	8.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	43.4	4.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	19400	87	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	799	3.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3380	870	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	162	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.76	0.049	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	14.3	7.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1700	1700	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 3.5	3.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	1.2	0.87	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1700	1700	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.7	1.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	28.1	8.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	706	8.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB109 (9.5-10)		
Lab Sample ID:	JD78884-7	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	56.2
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.43	0.43	mg/kg	1	12/19/23 14:27	JD	SW846 9012B/LACHAT
Solids, Percent	56.2		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB113 (8.5-9)
Lab Sample ID: JD78884-8
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 69.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197952.D	1	12/15/23 23:11	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	3.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.7	19	7.9	ug/kg	J
71-43-2	Benzene	ND	0.95	0.87	ug/kg	
74-97-5	Bromochloromethane	ND	9.5	1.1	ug/kg	
75-27-4	Bromodichloromethane	ND	3.8	0.82	ug/kg	
75-25-2	Bromoform	ND	9.5	2.6	ug/kg	
74-83-9	Bromomethane	ND	9.5	1.5	ug/kg	
78-93-3	2-Butanone (MEK)	ND	19	4.6	ug/kg	
75-15-0	Carbon disulfide	ND	3.8	1.0	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.8	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	3.8	0.88	ug/kg	
75-00-3	Chloroethane	ND	9.5	1.1	ug/kg	
67-66-3	Chloroform	ND	3.8	0.99	ug/kg	
74-87-3	Chloromethane	ND	9.5	3.7	ug/kg	
110-82-7	Cyclohexane	ND	3.8	1.3	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.8	1.3	ug/kg	
124-48-1	Dibromochloromethane	ND	3.8	1.1	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.9	0.80	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.9	1.0	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.9	0.95	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.9	0.94	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	9.5	1.4	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.9	0.94	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.9	0.90	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.9	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.9	1.6	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.9	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.8	0.90	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.8	0.91	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.8	0.87	ug/kg	
100-41-4	Ethylbenzene	ND	1.9	0.86	ug/kg	
76-13-1	Freon 113	ND	9.5	5.1	ug/kg	
591-78-6	2-Hexanone	ND	9.5	4.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB113 (8.5-9)		
Lab Sample ID:	JD78884-8	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	69.0
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	3.8	2.7	ug/kg	
79-20-9	Methyl Acetate	ND	9.5	2.7	ug/kg	
108-87-2	Methylcyclohexane	ND	3.8	1.7	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.9	0.89	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	9.5	4.3	ug/kg	
75-09-2	Methylene chloride	ND	9.5	5.0	ug/kg	
100-42-5	Styrene	ND	3.8	0.77	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.8	1.1	ug/kg	
127-18-4	Tetrachloroethene	ND	3.8	1.1	ug/kg	
108-88-3	Toluene	ND	1.9	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	9.5	4.8	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	9.5	4.8	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.8	0.92	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.8	1.1	ug/kg	
79-01-6	Trichloroethene	ND	1.9	1.5	ug/kg	
75-69-4	Trichlorofluoromethane	ND	9.5	1.3	ug/kg	
75-01-4	Vinyl chloride	ND	3.8	0.92	ug/kg	
	m,p-Xylene	ND	1.9	1.7	ug/kg	
95-47-6	o-Xylene	ND	1.9	0.87	ug/kg	
1330-20-7	Xylene (total)	ND	1.9	0.87	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		80-124%
17060-07-0	1,2-Dichloroethane-D4	99%		75-133%
2037-26-5	Toluene-D8	98%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB113 (8.5-9)
Lab Sample ID: JD78884-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 69.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5108.D	1	12/20/23 13:34	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.5 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	95	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	41	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	85	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	240	51	ug/kg	
95-48-7	2-Methylphenol	ND	95	30	ug/kg	
	3&4-Methylphenol	ND	95	39	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	240	31	ug/kg	
100-02-7	4-Nitrophenol	ND	480	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	45	ug/kg	
108-95-2	Phenol	ND	95	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	240	31	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	28	ug/kg	
83-32-9	Acenaphthene	ND	48	16	ug/kg	
208-96-8	Acenaphthylene	24.7	48	24	ug/kg	J
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	ND	48	29	ug/kg	
1912-24-9	Atrazine	ND	95	20	ug/kg	
56-55-3	Benzo(a)anthracene	80.0	48	13	ug/kg	
50-32-8	Benzo(a)pyrene	145	48	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	161	48	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	86.4	48	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	54.7	48	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	95	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	95	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	95	6.5	ug/kg	
100-52-7	Benzaldehyde	ND	240	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	95	11	ug/kg	
106-47-8	4-Chloroaniline	ND	240	17	ug/kg	
86-74-8	Carbazole	19.6	95	6.9	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB113 (8.5-9)
Lab Sample ID: JD78884-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 69.0

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	95	19	ug/kg	
218-01-9	Chrysene	102	48	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	95	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	95	20	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	95	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	95	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	48	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	48	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	95	40	ug/kg	
123-91-1	1,4-Dioxane	ND	48	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	40.2	48	21	ug/kg	J
132-64-9	Dibenzofuran	ND	95	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	95	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	95	12	ug/kg	
84-66-2	Diethyl phthalate	ND	95	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	95	8.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	95	11	ug/kg	
206-44-0	Fluoranthene	205	48	21	ug/kg	
86-73-7	Fluorene	ND	48	22	ug/kg	
118-74-1	Hexachlorobenzene	ND	95	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	48	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	480	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	96.4	48	22	ug/kg	
78-59-1	Isophorone	ND	95	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	48	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	12	ug/kg	
91-20-3	Naphthalene	15.3	48	13	ug/kg	J
98-95-3	Nitrobenzene	ND	95	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	95	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	17	ug/kg	
85-01-8	Phenanthrene	115	48	16	ug/kg	
129-00-0	Pyrene	186	48	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB113 (8.5-9)
Lab Sample ID: JD78884-8
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 69.0

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	49%		10-96%
118-79-6	2,4,6-Tribromophenol	68%		10-123%
4165-60-0	Nitrobenzene-d5	53%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	63%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	10.18	1300	ug/kg	J
	unknown	11.36	200	ug/kg	J
	alkane	11.47	510	ug/kg	J
	unknown	11.67	920	ug/kg	J
	Total TIC, Semi-Volatile		2930	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB113 (8.5-9)		
Lab Sample ID:	JD78884-8	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	69.0
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5G134425.D	1	12/20/23 18:15	MLC	12/19/23 14:30	OP51199	G5G3460
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.58	0.11	ug/kg	
319-84-6	alpha-BHC	ND	0.58	0.067	ug/kg	
319-85-7	beta-BHC	ND	0.58	0.084	ug/kg	
319-86-8	delta-BHC	ND	0.58	0.087	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.58	0.10	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.58	0.078	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.58	0.087	ug/kg	
60-57-1	Dieldrin	ND	0.58	0.093	ug/kg	
72-54-8	4,4'-DDD	ND	0.58	0.061	ug/kg	
72-55-9	4,4'-DDE	ND	0.58	0.070	ug/kg	
50-29-3	4,4'-DDT	ND	0.58	0.10	ug/kg	
72-20-8	Endrin	ND	0.58	0.084	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.58	0.070	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.58	0.17	ug/kg	
959-98-8	Endosulfan-I	ND	0.58	0.078	ug/kg	
33213-65-9	Endosulfan-II	ND	0.58	0.081	ug/kg	
76-44-8	Heptachlor	ND	0.58	0.075	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.58	0.10	ug/kg	
72-43-5	Methoxychlor	ND	0.58	0.23	ug/kg	
53494-70-5	Endrin ketone	ND	0.58	0.093	ug/kg	
8001-35-2	Toxaphene	ND	7.2	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	139%		66-150%
877-09-8	Tetrachloro-m-xylene	123%		66-150%
2051-24-3	Decachlorobiphenyl	137%		40-150%
2051-24-3	Decachlorobiphenyl	92%		40-150%

(a) Had TBA cleanup.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB113 (8.5-9)		
Lab Sample ID:	JD78884-8	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	69.0
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17354.D	1	12/20/23 07:18	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	29	12	ug/kg	
11104-28-2	Aroclor 1221	ND	29	9.7	ug/kg	
11141-16-5	Aroclor 1232	ND	29	24	ug/kg	
53469-21-9	Aroclor 1242	ND	29	17	ug/kg	
12672-29-6	Aroclor 1248	ND	29	6.3	ug/kg	
11097-69-1	Aroclor 1254	ND	29	3.1	ug/kg	
11096-82-5	Aroclor 1260	ND	29	10	ug/kg	
11100-14-4	Aroclor 1268	ND	29	2.9	ug/kg	
37324-23-5	Aroclor 1262	ND	29	2.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	147%		42-159%
877-09-8	Tetrachloro-m-xylene	178% [a]		42-159%
2051-24-3	Decachlorobiphenyl	104%		18-154%
2051-24-3	Decachlorobiphenyl	121%		18-154%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB113 (8.5-9)
Lab Sample ID: JD78884-8
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 69.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5070	73	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 2.9	2.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	6.8	2.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	179	29	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	1.5	0.29	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.73	0.73	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	16000	730	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	18.7	1.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 7.3	7.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	212	3.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	10100	73	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	460	2.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	3040	730	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	124	2.2	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.89	0.041	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [4]
Nickel	11.7	5.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	< 1500	1500	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 2.9	2.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.73	0.73	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 1500	1500	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 1.5	1.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	28.6	7.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	139	7.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55268
(3) Prep QC Batch: MP43775
(4) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB113 (8.5-9)		
Lab Sample ID:	JD78884-8	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	69.0
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.41	0.41	mg/kg	1	12/19/23 14:28	JD	SW846 9012B/LACHAT
Solids, Percent	69		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB103 (4.5-5)
Lab Sample ID: JD78884-9
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 74.1

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197953.D	1	12/15/23 23:37	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	24.3	14	5.8	ug/kg	
71-43-2	Benzene	ND	0.70	0.64	ug/kg	
74-97-5	Bromochloromethane	ND	7.0	0.79	ug/kg	
75-27-4	Bromodichloromethane	ND	2.8	0.60	ug/kg	
75-25-2	Bromoform	ND	7.0	1.9	ug/kg	
74-83-9	Bromomethane	ND	7.0	1.1	ug/kg	
78-93-3	2-Butanone (MEK)	5.6	14	3.4	ug/kg	J
75-15-0	Carbon disulfide	0.91	2.8	0.75	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.8	0.87	ug/kg	
108-90-7	Chlorobenzene	ND	2.8	0.65	ug/kg	
75-00-3	Chloroethane	ND	7.0	0.83	ug/kg	
67-66-3	Chloroform	ND	2.8	0.73	ug/kg	
74-87-3	Chloromethane	ND	7.0	2.8	ug/kg	
110-82-7	Cyclohexane	ND	2.8	0.92	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.8	0.98	ug/kg	
124-48-1	Dibromochloromethane	ND	2.8	0.79	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.4	0.59	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.4	0.77	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.4	0.70	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.4	0.69	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	7.0	1.0	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.4	0.70	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.4	0.66	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.4	0.92	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.4	1.2	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.4	0.86	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.8	0.66	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.8	0.67	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.8	0.64	ug/kg	
100-41-4	Ethylbenzene	ND	1.4	0.64	ug/kg	
76-13-1	Freon 113	ND	7.0	3.8	ug/kg	
591-78-6	2-Hexanone	ND	7.0	3.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.8	2.0	ug/kg	
79-20-9	Methyl Acetate	ND	7.0	2.0	ug/kg	
108-87-2	Methylcyclohexane	ND	2.8	1.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.4	0.66	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	7.0	3.2	ug/kg	
75-09-2	Methylene chloride	ND	7.0	3.7	ug/kg	
100-42-5	Styrene	ND	2.8	0.57	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.8	0.84	ug/kg	
127-18-4	Tetrachloroethene	ND	2.8	0.82	ug/kg	
108-88-3	Toluene	ND	1.4	0.74	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	7.0	3.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	7.0	3.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.8	0.68	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.8	0.78	ug/kg	
79-01-6	Trichloroethene	ND	1.4	1.1	ug/kg	
75-69-4	Trichlorofluoromethane	ND	7.0	0.96	ug/kg	
75-01-4	Vinyl chloride	ND	2.8	0.68	ug/kg	
	m,p-Xylene	ND	1.4	1.3	ug/kg	
95-47-6	o-Xylene	ND	1.4	0.64	ug/kg	
1330-20-7	Xylene (total)	ND	1.4	0.64	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		80-124%
17060-07-0	1,2-Dichloroethane-D4	102%		75-133%
2037-26-5	Toluene-D8	97%		79-125%
460-00-4	4-Bromofluorobenzene	104%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5112.D	1	12/20/23 14:52	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	90	22	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	220	27	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	220	38	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	220	80	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	220	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	220	48	ug/kg	
95-48-7	2-Methylphenol	ND	90	29	ug/kg	
	3&4-Methylphenol	ND	90	37	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	220	30	ug/kg	
100-02-7	4-Nitrophenol	ND	450	120	ug/kg	
87-86-5	Pentachlorophenol	ND	180	42	ug/kg	
108-95-2	Phenol	ND	90	23	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	220	30	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	220	34	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	220	27	ug/kg	
83-32-9	Acenaphthene	65.4	45	15	ug/kg	
208-96-8	Acenaphthylene	62.4	45	23	ug/kg	
98-86-2	Acetophenone	ND	220	9.6	ug/kg	
120-12-7	Anthracene	41.7	45	27	ug/kg	J
1912-24-9	Atrazine	ND	90	19	ug/kg	
56-55-3	Benzo(a)anthracene	123	45	13	ug/kg	
50-32-8	Benzo(a)pyrene	195	45	20	ug/kg	
205-99-2	Benzo(b)fluoranthene	228	45	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	131	45	22	ug/kg	
207-08-9	Benzo(k)fluoranthene	67.9	45	21	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	90	17	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	90	11	ug/kg	
92-52-4	1,1'-Biphenyl	9.4	90	6.1	ug/kg	J
100-52-7	Benzaldehyde	ND	220	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	90	11	ug/kg	
106-47-8	4-Chloroaniline	ND	220	16	ug/kg	
86-74-8	Carbazole	14.0	90	6.5	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	90	18	ug/kg	
218-01-9	Chrysene	137	45	14	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	90	9.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	90	19	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	90	16	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	90	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	45	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	45	23	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	90	37	ug/kg	
123-91-1	1,4-Dioxane	ND	45	30	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	57.3	45	20	ug/kg	
132-64-9	Dibenzofuran	32.1	90	18	ug/kg	J
84-74-2	Di-n-butyl phthalate	ND	90	7.3	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	90	11	ug/kg	
84-66-2	Diethyl phthalate	ND	90	9.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	90	8.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	14.9	90	10	ug/kg	J
206-44-0	Fluoranthene	241	45	20	ug/kg	
86-73-7	Fluorene	64.6	45	21	ug/kg	
118-74-1	Hexachlorobenzene	ND	90	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	45	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	450	18	ug/kg	
67-72-1	Hexachloroethane	ND	220	22	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	131	45	21	ug/kg	
78-59-1	Isophorone	ND	90	9.6	ug/kg	
91-57-6	2-Methylnaphthalene	56.0	45	10	ug/kg	
88-74-4	2-Nitroaniline	ND	220	11	ug/kg	
99-09-2	3-Nitroaniline	ND	220	11	ug/kg	
100-01-6	4-Nitroaniline	ND	220	12	ug/kg	
91-20-3	Naphthalene	145	45	13	ug/kg	
98-95-3	Nitrobenzene	ND	90	17	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	90	13	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	220	16	ug/kg	
85-01-8	Phenanthrene	100	45	15	ug/kg	
129-00-0	Pyrene	203	45	14	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	220	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	42%		10-96%
118-79-6	2,4,6-Tribromophenol	62%		10-123%
4165-60-0	Nitrobenzene-d5	42%		10-109%
321-60-8	2-Fluorobiphenyl	49%		11-109%
1718-51-0	Terphenyl-d14	54%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	12.53	230	ug/kg	J
	unknown	12.72	240	ug/kg	J
	unknown	12.88	330	ug/kg	J
	unknown	13.04	610	ug/kg	J
	unknown	13.43	410	ug/kg	J
	unknown	13.94	220	ug/kg	J
	unknown	14.01	190	ug/kg	J
	Total TIC, Semi-Volatile		2230	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134401.D	1	12/20/23 05:00	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.52	0.10	ug/kg	
319-84-6	alpha-BHC	ND	0.52	0.060	ug/kg	
319-85-7	beta-BHC	ND	0.52	0.075	ug/kg	
319-86-8	delta-BHC	ND	0.52	0.078	ug/kg	
58-89-9	gamma-BHC (Lindane) [a]	0.39	0.52	0.091	ug/kg	J
5103-71-9	alpha-Chlordane	0.29	0.52	0.070	ug/kg	J
5103-74-2	gamma-Chlordane [a]	0.53	0.52	0.078	ug/kg	
60-57-1	Dieldrin	ND	0.52	0.083	ug/kg	
72-54-8	4,4'-DDD	9.2	0.52	0.055	ug/kg	
72-55-9	4,4'-DDE [a]	0.31	0.52	0.062	ug/kg	J
50-29-3	4,4'-DDT	2.1	0.52	0.091	ug/kg	
72-20-8	Endrin	ND	0.52	0.075	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.52	0.062	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.52	0.15	ug/kg	
959-98-8	Endosulfan-I	ND	0.52	0.070	ug/kg	
33213-65-9	Endosulfan-II	ND	0.52	0.073	ug/kg	
76-44-8	Heptachlor	ND	0.52	0.067	ug/kg	
1024-57-3	Heptachlor epoxide	0.35	0.52	0.093	ug/kg	J
72-43-5	Methoxychlor	ND	0.52	0.21	ug/kg	
53494-70-5	Endrin ketone	ND	0.52	0.083	ug/kg	
8001-35-2	Toxaphene	ND	6.5	4.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	131%		66-150%
877-09-8	Tetrachloro-m-xylene	110%		66-150%
2051-24-3	Decachlorobiphenyl	173% [b]		40-150%
2051-24-3	Decachlorobiphenyl	145%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17355.D	1	12/20/23 07:35	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	26	11	ug/kg	
11104-28-2	Aroclor 1221	ND	26	8.7	ug/kg	
11141-16-5	Aroclor 1232	ND	26	22	ug/kg	
53469-21-9	Aroclor 1242	ND	26	16	ug/kg	
12672-29-6	Aroclor 1248	ND	26	5.6	ug/kg	
11097-69-1	Aroclor 1254	11.8	26	2.8	ug/kg	J
11096-82-5	Aroclor 1260	ND	26	9.0	ug/kg	
11100-14-4	Aroclor 1268	ND	26	2.6	ug/kg	
37324-23-5	Aroclor 1262	ND	26	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		42-159%
877-09-8	Tetrachloro-m-xylene	137%		42-159%
2051-24-3	Decachlorobiphenyl	105%		18-154%
2051-24-3	Decachlorobiphenyl	149%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB103 (4.5-5)
Lab Sample ID: JD78884-9
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 74.1

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	7610	64	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 2.6	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	6.1	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	97.6	26	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Beryllium	0.78	0.26	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	3.5	0.64	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	21800	640	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	15.1	1.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	< 6.4	6.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Copper	51.4	3.2	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	15600	64	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	135	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	13900	640	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	183	1.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.14	0.035	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	15.3	5.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	1600	1300	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 2.6	2.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	0.81	0.64	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1300	1300	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Thallium	< 1.3	1.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	18.5	6.4	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	189	6.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55266
(3) Instrument QC Batch: MA55268
(4) Prep QC Batch: MP43775
(5) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB103 (4.5-5)		
Lab Sample ID:	JD78884-9	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	74.1
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.32	0.32	mg/kg	1	12/19/23 14:31	JD	SW846 9012B/LACHAT
Solids, Percent	74.1		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB104 (7-7.5)
Lab Sample ID: JD78884-10
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197941.D	1	12/15/23 18:19	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	35.6	12	5.1	ug/kg	
71-43-2	Benzene	ND	0.61	0.56	ug/kg	
74-97-5	Bromochloromethane	ND	6.1	0.68	ug/kg	
75-27-4	Bromodichloromethane	ND	2.4	0.52	ug/kg	
75-25-2	Bromoform	ND	6.1	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.1	0.93	ug/kg	
78-93-3	2-Butanone (MEK)	6.0	12	3.0	ug/kg	J
75-15-0	Carbon disulfide	ND	2.4	0.65	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.4	0.75	ug/kg	
108-90-7	Chlorobenzene	ND	2.4	0.56	ug/kg	
75-00-3	Chloroethane	ND	6.1	0.72	ug/kg	
67-66-3	Chloroform	ND	2.4	0.63	ug/kg	
74-87-3	Chloromethane	ND	6.1	2.4	ug/kg	
110-82-7	Cyclohexane	ND	2.4	0.80	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.4	0.85	ug/kg	
124-48-1	Dibromochloromethane	ND	2.4	0.68	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.51	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.67	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.61	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.60	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	6.1	0.89	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.60	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.57	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.80	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	1.0	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.75	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.4	0.58	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.4	0.58	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.4	0.56	ug/kg	
100-41-4	Ethylbenzene	1.1	1.2	0.55	ug/kg	J
76-13-1	Freon 113	ND	6.1	3.3	ug/kg	
591-78-6	2-Hexanone	ND	6.1	2.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB104 (7-7.5)
Lab Sample ID: JD78884-10
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	3.2	2.4	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	6.1	1.7	ug/kg	
108-87-2	Methylcyclohexane	ND	2.4	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.57	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.1	2.8	ug/kg	
75-09-2	Methylene chloride	ND	6.1	3.2	ug/kg	
100-42-5	Styrene	ND	2.4	0.49	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.4	0.73	ug/kg	
127-18-4	Tetrachloroethene	ND	2.4	0.71	ug/kg	
108-88-3	Toluene	ND	1.2	0.64	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.1	3.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.1	3.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.4	0.59	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.4	0.68	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.93	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.1	0.83	ug/kg	
75-01-4	Vinyl chloride	ND	2.4	0.59	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	0.64	1.2	0.56	ug/kg	J
1330-20-7	Xylene (total)	0.64	1.2	0.56	ug/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	95%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	Indane	15.97	96	ug/kg	JN
	C4 alkyl benzene	16.35	8.2	ug/kg	J
	1H-Indene-dihydro-methyl-isomer	16.53	12	ug/kg	J
	1H-Indene-dihydro-methyl-isomer	17.13	18	ug/kg	J
	1H-Indene-dihydro-methyl-isomer	17.30	18	ug/kg	J
	1H-Indene-methyl-isomer	17.47	7.2	ug/kg	J
91-20-3	Naphthalene	17.92	44	ug/kg	JN
91-57-6	Naphthalene, 2-methyl-	18.90	45	ug/kg	JN
	Naphthalene, methyl-isomer	19.07	54	ug/kg	J
	Naphthalene, ethyl-isomer	19.66	6.5	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene, dimethyl-isomer	19.75	8.9	ug/kg	J
	Naphthalene, dimethyl-isomer	19.89	14	ug/kg	J
	Total TIC, Volatile		331.8	ug/kg	J

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5113.D	1	12/20/23 15:12	KM	12/19/23 17:00	OP51213	ECR234
Run #2	CR5126.D	10	12/20/23 19:27	KM	12/19/23 17:00	OP51213	ECR234

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2	30.7 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	14600 [b]	390	130	ug/kg	
208-96-8	Acenaphthylene	3430	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.4	ug/kg	
120-12-7	Anthracene	11100 [b]	390	240	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	14400 [b]	390	110	ug/kg	
50-32-8	Benzo(a)pyrene	12900 [b]	390	180	ug/kg	
205-99-2	Benzo(b)fluoranthene	15100 [b]	390	170	ug/kg	
191-24-2	Benzo(g,h,i)perylene	5930 [b]	390	190	ug/kg	
207-08-9	Benzo(k)fluoranthene	2720	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	729	78	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	1590	78	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	15	ug/kg	
218-01-9	Chrysene	10500 [b]	390	120	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	1920	39	17	ug/kg	
132-64-9	Dibenzofuran	6700 [b]	780	160	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	38.7	78	9.1	ug/kg	J
206-44-0	Fluoranthene	29400 [b]	390	170	ug/kg	
86-73-7	Fluorene	15100 [b]	390	180	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	6160 [b]	390	180	ug/kg	
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	14200 [b]	390	88	ug/kg	
88-74-4	2-Nitroaniline	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	8400 [b]	390	110	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	37600 [b]	390	130	ug/kg	
129-00-0	Pyrene	22200 [b]	390	120	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%	49%	10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%	50%	10-96%
118-79-6	2,4,6-Tribromophenol	60%	69%	10-123%
4165-60-0	Nitrobenzene-d5	49%	50%	10-109%
321-60-8	2-Fluorobiphenyl	50%	63%	11-109%
1718-51-0	Terphenyl-d14	58%	70%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	Indane	5.03	1600	ug/kg	JN
90-12-0	Naphthalene, 1-methyl-	6.41	1600	ug/kg	JN
	Naphthalene ethyl	6.75	1700	ug/kg	J
	Naphthalene dimethyl	6.81	2100	ug/kg	J
	Naphthalene dimethyl	6.87	2300	ug/kg	J
	Naphthalene dimethyl	6.89	1300	ug/kg	J
	Naphthalene dimethyl	6.96	1400	ug/kg	J
	unknown	7.68	1200	ug/kg	J
	unknown	7.74	850	ug/kg	J
	unknown	11.80	1100	ug/kg	J
	unknown	11.88	1400	ug/kg	J
	unknown	11.93	1400	ug/kg	J
	unknown PAH substance	12.14	2800	ug/kg	J
	unknown	12.23	1200	ug/kg	J
	unknown	12.27	990	ug/kg	J
	unknown PAH substance	12.33	4200	ug/kg	J
	unknown	12.53	1100	ug/kg	J
	unknown	12.61	1400	ug/kg	J
	unknown	12.65	2100	ug/kg	J
	unknown	12.73	1200	ug/kg	J
	unknown	12.95	940	ug/kg	J
	unknown	13.59	1100	ug/kg	J
	unknown	13.93	1100	ug/kg	J
	unknown	14.31	1000	ug/kg	J
	unknown	14.39	1400	ug/kg	J
	Total TIC, Semi-Volatile		38480	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5G134426.D	1	12/20/23 18:36	MLC	12/19/23 14:30	OP51199	G5G3460
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.091	ug/kg	
319-84-6	alpha-BHC [b]	0.93	0.47	0.054	ug/kg	
319-85-7	beta-BHC	ND	0.47	0.068	ug/kg	
319-86-8	delta-BHC [b]	0.99	0.47	0.070	ug/kg	
58-89-9	gamma-BHC (Lindane) [b]	0.61	0.47	0.082	ug/kg	
5103-71-9	alpha-Chlordane [b]	6.0	0.47	0.063	ug/kg	
5103-74-2	gamma-Chlordane [b]	9.5	0.47	0.070	ug/kg	
60-57-1	Dieldrin	ND	0.47	0.075	ug/kg	
72-54-8	4,4'-DDD [b]	7.0	0.47	0.049	ug/kg	
72-55-9	4,4'-DDE [b]	2.9	0.47	0.056	ug/kg	
50-29-3	4,4'-DDT [b]	2.1	0.47	0.082	ug/kg	
72-20-8	Endrin	ND	0.47	0.068	ug/kg	
1031-07-8	Endosulfan sulfate [b]	17.1	0.47	0.056	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.47	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.47	0.063	ug/kg	
33213-65-9	Endosulfan-II	ND	0.47	0.066	ug/kg	
76-44-8	Heptachlor	ND	0.47	0.061	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.47	0.084	ug/kg	
72-43-5	Methoxychlor	ND	0.47	0.19	ug/kg	
53494-70-5	Endrin ketone	ND	0.47	0.075	ug/kg	
8001-35-2	Toxaphene	ND	5.9	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	156% [c]		66-150%
877-09-8	Tetrachloro-m-xylene	157% [c]		66-150%
2051-24-3	Decachlorobiphenyl	144%		40-150%
2051-24-3	Decachlorobiphenyl	1184% [c]		40-150%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17356.D	1	12/20/23 07:51	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	23	10	ug/kg	
11104-28-2	Aroclor 1221	ND	23	7.9	ug/kg	
11141-16-5	Aroclor 1232	ND	23	19	ug/kg	
53469-21-9	Aroclor 1242	ND	23	14	ug/kg	
12672-29-6	Aroclor 1248	ND	23	5.1	ug/kg	
11097-69-1	Aroclor 1254	ND	23	2.5	ug/kg	
11096-82-5	Aroclor 1260	ND	23	8.1	ug/kg	
11100-14-4	Aroclor 1268	ND	23	2.4	ug/kg	
37324-23-5	Aroclor 1262	ND	23	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	172% [a]		42-159%
877-09-8	Tetrachloro-m-xylene	162% [a]		42-159%
2051-24-3	Decachlorobiphenyl	84%		18-154%
2051-24-3	Decachlorobiphenyl	196% [a]		18-154%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB104 (7-7.5)
Lab Sample ID: JD78884-10
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 83.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9070	61	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 2.4	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	7.5	2.4	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	80.4	24	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.35	0.24	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.61	0.61	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Calcium	6920	610	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	20.0	1.2	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	9.6	6.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Copper [a]	61.6	6.1	mg/kg	2	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	29600	120	mg/kg	2	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	203	2.4	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Magnesium	4770	610	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	320	1.8	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	2.2	0.18	mg/kg	5	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	19.5	4.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	1820	1200	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium [a]	< 4.9	4.9	mg/kg	2	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Silver [a]	1.7	1.2	mg/kg	2	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1200	1200	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.2	1.2	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Vanadium	26.9	6.1	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	167	6.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55266
(3) Instrument QC Batch: MA55268
(4) Prep QC Batch: MP43775
(5) Prep QC Batch: MP43825

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB104 (7-7.5)		
Lab Sample ID:	JD78884-10	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	12/19/23 14:31	JD	SW846 9012B/LACHAT
Solids, Percent	83.6		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB105 (8-8.5)
Lab Sample ID: JD78884-11
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 68.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1C197954.D	1	12/16/23 00:03	PS	12/15/23 08:00	n/a	V1C8572
Run #2							

	Initial Weight
Run #1	4.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	43.7	18	7.4	ug/kg	
71-43-2	Benzene	ND	0.89	0.81	ug/kg	
74-97-5	Bromochloromethane	ND	8.9	1.0	ug/kg	
75-27-4	Bromodichloromethane	ND	3.6	0.76	ug/kg	
75-25-2	Bromoform	ND	8.9	2.4	ug/kg	
74-83-9	Bromomethane	ND	8.9	1.4	ug/kg	
78-93-3	2-Butanone (MEK)	5.6	18	4.3	ug/kg	J
75-15-0	Carbon disulfide	ND	3.6	0.95	ug/kg	
56-23-5	Carbon tetrachloride	ND	3.6	1.1	ug/kg	
108-90-7	Chlorobenzene	ND	3.6	0.82	ug/kg	
75-00-3	Chloroethane	ND	8.9	1.1	ug/kg	
67-66-3	Chloroform	ND	3.6	0.92	ug/kg	
74-87-3	Chloromethane	ND	8.9	3.5	ug/kg	
110-82-7	Cyclohexane	ND	3.6	1.2	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	3.6	1.2	ug/kg	
124-48-1	Dibromochloromethane	ND	3.6	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.8	0.75	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.8	0.97	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.8	0.88	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.8	0.88	ug/kg	
75-71-8	Dichlorodifluoromethane [a]	ND	8.9	1.3	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.8	0.88	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.8	0.84	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.8	1.2	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.8	1.5	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.8	1.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	3.6	0.84	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	3.6	0.85	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	3.6	0.81	ug/kg	
100-41-4	Ethylbenzene	ND	1.8	0.81	ug/kg	
76-13-1	Freon 113	ND	8.9	4.8	ug/kg	
591-78-6	2-Hexanone	ND	8.9	3.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	3.6	2.5	ug/kg	
79-20-9	Methyl Acetate	ND	8.9	2.5	ug/kg	
108-87-2	Methylcyclohexane	ND	3.6	1.6	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.8	0.83	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	8.9	4.0	ug/kg	
75-09-2	Methylene chloride	ND	8.9	4.6	ug/kg	
100-42-5	Styrene	ND	3.6	0.72	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	3.6	1.1	ug/kg	
127-18-4	Tetrachloroethene	ND	3.6	1.0	ug/kg	
108-88-3	Toluene	ND	1.8	0.93	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	8.9	4.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	8.9	4.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	3.6	0.86	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	3.6	0.99	ug/kg	
79-01-6	Trichloroethene	ND	1.8	1.4	ug/kg	
75-69-4	Trichlorofluoromethane	ND	8.9	1.2	ug/kg	
75-01-4	Vinyl chloride	ND	3.6	0.86	ug/kg	
	m,p-Xylene	ND	1.8	1.6	ug/kg	
95-47-6	o-Xylene	ND	1.8	0.82	ug/kg	
1330-20-7	Xylene (total)	ND	1.8	0.82	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		80-124%
17060-07-0	1,2-Dichloroethane-D4	101%		75-133%
2037-26-5	Toluene-D8	95%		79-125%
460-00-4	4-Bromofluorobenzene	100%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5111.D	1	12/20/23 14:33	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	97	24	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	30	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	42	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	87	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	240	52	ug/kg	
95-48-7	2-Methylphenol	ND	97	31	ug/kg	
	3&4-Methylphenol	ND	97	40	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	240	32	ug/kg	
100-02-7	4-Nitrophenol	ND	490	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	46	ug/kg	
108-95-2	Phenol	ND	97	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	240	32	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	29	ug/kg	
83-32-9	Acenaphthene	ND	49	17	ug/kg	
208-96-8	Acenaphthylene	ND	49	25	ug/kg	
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	57.8	49	30	ug/kg	
1912-24-9	Atrazine	ND	97	21	ug/kg	
56-55-3	Benzo(a)anthracene	224	49	14	ug/kg	
50-32-8	Benzo(a)pyrene	272	49	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	262	49	22	ug/kg	
191-24-2	Benzo(g,h,i)perylene	119	49	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	103	49	23	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	97	19	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	97	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	97	6.7	ug/kg	
100-52-7	Benzaldehyde	ND	240	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	97	12	ug/kg	
106-47-8	4-Chloroaniline	ND	240	18	ug/kg	
86-74-8	Carbazole	8.8	97	7.1	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	97	19	ug/kg	
218-01-9	Chrysene	189	49	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	97	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	97	21	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	97	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	97	16	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	49	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	49	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	97	41	ug/kg	
123-91-1	1,4-Dioxane	ND	49	32	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	61.7	49	22	ug/kg	
132-64-9	Dibenzofuran	ND	97	20	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	97	7.9	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	97	12	ug/kg	
84-66-2	Diethyl phthalate	ND	97	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	97	8.7	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	97	11	ug/kg	
206-44-0	Fluoranthene	346	49	22	ug/kg	
86-73-7	Fluorene	26.6	49	22	ug/kg	J
118-74-1	Hexachlorobenzene	ND	97	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	49	20	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	490	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	24	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	133	49	23	ug/kg	
78-59-1	Isophorone	ND	97	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	49	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	13	ug/kg	
91-20-3	Naphthalene	20.3	49	14	ug/kg	J
98-95-3	Nitrobenzene	ND	97	19	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	97	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	18	ug/kg	
85-01-8	Phenanthrene	136	49	16	ug/kg	
129-00-0	Pyrene	310	49	16	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	45%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	66%		10-123%
4165-60-0	Nitrobenzene-d5	49%		10-109%
321-60-8	2-Fluorobiphenyl	54%		11-109%
1718-51-0	Terphenyl-d14	61%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	11.11	290	ug/kg	J
	unknown	11.48	260	ug/kg	J
	unknown	11.67	250	ug/kg	J
	Total TIC, Semi-Volatile		800	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5G134427.D	1	12/20/23 18:56	MLC	12/19/23 14:30	OP51199	G5G3460
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.56	0.11	ug/kg	
319-84-6	alpha-BHC	ND	0.56	0.065	ug/kg	
319-85-7	beta-BHC	ND	0.56	0.081	ug/kg	
319-86-8	delta-BHC	ND	0.56	0.084	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.56	0.098	ug/kg	
5103-71-9	alpha-Chlordane [b]	0.16	0.56	0.076	ug/kg	J
5103-74-2	gamma-Chlordane	0.095	0.56	0.084	ug/kg	J
60-57-1	Dieldrin	ND	0.56	0.090	ug/kg	
72-54-8	4,4'-DDD	ND	0.56	0.059	ug/kg	
72-55-9	4,4'-DDE	ND	0.56	0.067	ug/kg	
50-29-3	4,4'-DDT	ND	0.56	0.098	ug/kg	
72-20-8	Endrin	ND	0.56	0.081	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.56	0.067	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.56	0.16	ug/kg	
959-98-8	Endosulfan-I	ND	0.56	0.076	ug/kg	
33213-65-9	Endosulfan-II	ND	0.56	0.079	ug/kg	
76-44-8	Heptachlor	ND	0.56	0.073	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.56	0.10	ug/kg	
72-43-5	Methoxychlor	ND	0.56	0.22	ug/kg	
53494-70-5	Endrin ketone	ND	0.56	0.090	ug/kg	
8001-35-2	Toxaphene	ND	7.0	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	157% [c]		66-150%
877-09-8	Tetrachloro-m-xylene	142%		66-150%
2051-24-3	Decachlorobiphenyl	164% [c]		40-150%
2051-24-3	Decachlorobiphenyl	157% [c]		40-150%

(a) Had TBA cleanup.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17361.D	1	12/20/23 09:15	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	28	12	ug/kg	
11104-28-2	Aroclor 1221	ND	28	9.4	ug/kg	
11141-16-5	Aroclor 1232	ND	28	23	ug/kg	
53469-21-9	Aroclor 1242	ND	28	17	ug/kg	
12672-29-6	Aroclor 1248	ND	28	6.1	ug/kg	
11097-69-1	Aroclor 1254	ND	28	3.0	ug/kg	
11096-82-5	Aroclor 1260	ND	28	9.7	ug/kg	
11100-14-4	Aroclor 1268	ND	28	2.8	ug/kg	
37324-23-5	Aroclor 1262	ND	28	2.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	124%		42-159%
877-09-8	Tetrachloro-m-xylene	176% [a]		42-159%
2051-24-3	Decachlorobiphenyl	105%		18-154%
2051-24-3	Decachlorobiphenyl	152%		18-154%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB105 (8-8.5)
Lab Sample ID: JD78884-11
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 68.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15100	76	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 3.0	3.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	7.4	3.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	50.5	30	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	1.3	0.30	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.76	0.76	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	3080	760	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	28.5	1.5	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	11.4	7.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Copper	27.8	3.8	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	24900	76	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	63.7	3.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	5920	760	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	286	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.39	0.039	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	25.9	6.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	2730	1500	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 3.0	3.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	1.2	0.76	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1500	1500	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.5	1.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	30.1	7.6	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	92.0	7.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55266
(3) Instrument QC Batch: MA55268
(4) Prep QC Batch: MP43775
(5) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB105 (8-8.5)		
Lab Sample ID:	JD78884-11	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	68.5
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.40	0.40	mg/kg	1	12/19/23 14:32	JD	SW846 9012B/LACHAT
Solids, Percent	68.5		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C184788.D	1	12/16/23 18:52	JN	12/15/23 08:00	n/a	V3C8075
Run #2							

	Initial Weight
Run #1	5.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	15.3	10	4.2	ug/kg	
71-43-2	Benzene	ND	0.51	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.1	0.57	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.44	ug/kg	
75-25-2	Bromoform	ND	5.1	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.1	0.78	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.5	ug/kg	
75-15-0	Carbon disulfide	0.67	2.0	0.55	ug/kg	J
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.47	ug/kg	
75-00-3	Chloroethane	ND	5.1	0.60	ug/kg	
67-66-3	Chloroform	ND	2.0	0.53	ug/kg	
74-87-3	Chloromethane	ND	5.1	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.67	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.57	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.43	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.56	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.51	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.1	0.74	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.48	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.67	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.86	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.62	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.48	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.47	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.46	ug/kg	
76-13-1	Freon 113	ND	5.1	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.1	2.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB106 (5.5-6)
Lab Sample ID: JD78884-12
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 84.5

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.1	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.89	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.48	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.1	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.1	2.7	ug/kg	
100-42-5	Styrene	ND	2.0	0.41	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.61	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.59	ug/kg	
108-88-3	Toluene	ND	1.0	0.54	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.1	2.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.1	2.6	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.49	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.57	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.78	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.1	0.70	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.49	ug/kg	
	m,p-Xylene	ND	1.0	0.91	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.47	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.47	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	105%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	64	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5109.D	1	12/20/23 13:53	KM	12/19/23 17:00	OP51213	ECR234
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	70	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	200	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol [a]	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	23	ug/kg	
83-32-9	Acenaphthene	ND	39	14	ug/kg	
208-96-8	Acenaphthylene	31.3	39	20	ug/kg	J
98-86-2	Acetophenone	ND	200	8.4	ug/kg	
120-12-7	Anthracene	55.9	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	148	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	187	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	223	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	99.0	39	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	73.4	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	48.8	78	9.6	ug/kg	J
92-52-4	1,1'-Biphenyl	ND	78	5.4	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	78	5.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	78	15	ug/kg	
218-01-9	Chrysene	129	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	78	33	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	47.5	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.8	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	7.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	12.8	78	9.2	ug/kg	J
206-44-0	Fluoranthene	279	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	115	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.9	ug/kg	
88-74-4	2-Nitroaniline	ND	200	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	200	9.8	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	14	ug/kg	
85-01-8	Phenanthrene	137	39	13	ug/kg	
129-00-0	Pyrene	230	39	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	28%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-96%
118-79-6	2,4,6-Tribromophenol	56%		10-123%
4165-60-0	Nitrobenzene-d5	32%		10-109%
321-60-8	2-Fluorobiphenyl	41%		11-109%
1718-51-0	Terphenyl-d14	54%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G134404.D	1	12/20/23 06:03	CP	12/19/23 14:30	OP51199	G5G3459
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.46	0.089	ug/kg	
319-84-6	alpha-BHC	ND	0.46	0.052	ug/kg	
319-85-7	beta-BHC	ND	0.46	0.066	ug/kg	
319-86-8	delta-BHC	ND	0.46	0.068	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.46	0.080	ug/kg	
5103-71-9	alpha-Chlordane	0.54	0.46	0.061	ug/kg	
5103-74-2	gamma-Chlordane [a]	0.16	0.46	0.068	ug/kg	J
60-57-1	Dieldrin	ND	0.46	0.073	ug/kg	
72-54-8	4,4'-DDD	0.28	0.46	0.048	ug/kg	J
72-55-9	4,4'-DDE	ND	0.46	0.055	ug/kg	
50-29-3	4,4'-DDT	0.12	0.46	0.080	ug/kg	J
72-20-8	Endrin	ND	0.46	0.066	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.46	0.055	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.46	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.46	0.061	ug/kg	
33213-65-9	Endosulfan-II	ND	0.46	0.064	ug/kg	
76-44-8	Heptachlor	ND	0.46	0.059	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.46	0.082	ug/kg	
72-43-5	Methoxychlor	ND	0.46	0.18	ug/kg	
53494-70-5	Endrin ketone	ND	0.46	0.073	ug/kg	
8001-35-2	Toxaphene	ND	5.7	3.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	121%		66-150%
877-09-8	Tetrachloro-m-xylene	106%		66-150%
2051-24-3	Decachlorobiphenyl	140%		40-150%
2051-24-3	Decachlorobiphenyl	124%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17362.D	1	12/20/23 09:31	MLC	12/19/23 14:30	OP51200	GRM386
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	23	9.7	ug/kg	
11104-28-2	Aroclor 1221	ND	23	7.6	ug/kg	
11141-16-5	Aroclor 1232	ND	23	19	ug/kg	
53469-21-9	Aroclor 1242	ND	23	14	ug/kg	
12672-29-6	Aroclor 1248	ND	23	4.9	ug/kg	
11097-69-1	Aroclor 1254	ND	23	2.5	ug/kg	
11096-82-5	Aroclor 1260	ND	23	7.9	ug/kg	
11100-14-4	Aroclor 1268	ND	23	2.3	ug/kg	
37324-23-5	Aroclor 1262	ND	23	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	125%		42-159%
877-09-8	Tetrachloro-m-xylene	140%		42-159%
2051-24-3	Decachlorobiphenyl	99%		18-154%
2051-24-3	Decachlorobiphenyl	133%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB106 (5.5-6)
Lab Sample ID: JD78884-12
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/13/23
Date Received: 12/14/23
Percent Solids: 84.5

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	8340	56	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	4.2	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	51.9	23	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Beryllium	0.95	0.23	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.56	0.56	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Calcium	5130	560	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	17.7	1.1	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Cobalt	6.8	5.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Copper	51.0	2.8	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Iron	14700	56	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Lead	53.0	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Magnesium	4800	560	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	161	1.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Mercury	0.20	0.032	mg/kg	1	12/19/23	12/19/23	LM	SW846 7471B [1]	SW846 7471B [5]
Nickel	14.3	4.5	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Potassium	1260	1100	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	0.78	0.56	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	19.2	5.6	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [2]	SW846 3050B [4]
Zinc	65.9	5.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [3]	SW846 3050B [4]

(1) Instrument QC Batch: MA55263
(2) Instrument QC Batch: MA55266
(3) Instrument QC Batch: MA55268
(4) Prep QC Batch: MP43775
(5) Prep QC Batch: MP43825

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB106 (5.5-6)		
Lab Sample ID:	JD78884-12	**Date Sampled:**	12/13/23
Matrix:	SO - Soil	**Date Received:**	12/14/23
		Percent Solids:	84.5
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.31	0.31	mg/kg	1	12/19/23 14:33	JD	SW846 9012B/LACHAT
Solids, Percent	84.5		%	1	12/15/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

SGS

SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: LR 121223 111
SGS Quote #:
SGS Job #: JD78884

Client / Reporting Information

Company Name: SGS 1
Street Address: 959 US 46 E
City: Parsippany State: NJ Zip:
Project Contact: Steve Gustems E-mail: ssg@sgs.org
Phone #: 9738089050
Sampler(s) Name(s): Tracy Jodennis Phone #:

Project Information

Project Name: Franklin Courts
Street:
City: Tarrytown State: NY
Project #: 12345
Client Purchase Order #:
Project Manager: Steve Gustems

Billing Information (if different from Report to)

Company Name: CLIENT
Street Address:
City: State: Zip:
Attention:

TCL + 30 / TAL

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	SB121 (3-9.5)		12/13/23	1420	TA	G	N	Soil	3								3	X	
2	SB120 (3-3.5)			1405															
3	SB118 (5-5.5)			1355															
4	SB119 (8-8.5)			1340															
5	SB114 (4-4.5)			1235															
6	SB110 (4.5-5)			1215															
7	SB109 (9.5-10)			1135															
8	SB113 (8.5-9)			1155															
9	SB103 (4.5-5)			945															
10	SB104 (7-7.5)			1020															
11	SB105 (8-8.5)			1045															
12	SB106 (5.5-6)			1100															

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

• 3x5 encore

Initial Assessment
Level Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by: 1	Date / Time: 12/13/23	Received By: 1	Relinquished By: 2	Date / Time: 12-14-23 1727	Received By: 2
Relinquished by: 3	Date / Time:	Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:	Received By: 5	Custody Seal #	Intact / Not intact / Absent	Therm ID: On Ice Cooler Temp. °C

12.14.23 856

See Sample Receipt Summary

1R40

EHSA-QAC-0023-05 Rev.Date:8/5/22

JD78884: Chain of Custody
Page 1 of 2

SGS Sample Receipt Summary

Job Number: JD78884 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, N

Date / Time Received: 12/14/2023 5:27:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78884-1 Collected: 13-DEC-23 14:20 By: TAJ Received: 14-DEC-23 By: JW SB121 (9-9.5)						
JD78884-1	SW846 8260D	15-DEC-23 15:42	PS			V8260TCL20+
JD78884-1	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-1	SW846 9012B/LACHAT	19-DEC-23 14:21	JD	15-DEC-23	MB	CN
JD78884-1	SW846 6010D	19-DEC-23 15:33	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-1	SW846 7471B	19-DEC-23 17:04	LM	19-DEC-23	LM	HG
JD78884-1	SW846 8081B	20-DEC-23 02:11	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-1	SW846 8082A	20-DEC-23 04:15	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-1	SW846 8270E	20-DEC-23 14:13	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-2 Collected: 13-DEC-23 14:05 By: TAJ Received: 14-DEC-23 By: JW SB120 (3-3.5)						
JD78884-2	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-2	SW846 8260D	15-DEC-23 16:08	PS			V8260TCL20+
JD78884-2	SW846 9012B/LACHAT	19-DEC-23 14:22	JD	15-DEC-23	MB	CN
JD78884-2	SW846 6010D	19-DEC-23 15:38	ND	18-DEC-23	RE	AL,AS,BA,BE,CA,CD,CO,FE,K,MG,NA,NI,PB,SB,SE,TL,ZN
JD78884-2	SW846 7471B	19-DEC-23 17:06	LM	19-DEC-23	LM	HG
JD78884-2	SW846 8081B	20-DEC-23 02:33	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-2	SW846 8082A	20-DEC-23 04:32	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-2	SW846 6010D	20-DEC-23 06:32	ND	18-DEC-23	RE	AG,CR,CU,MN,V
JD78884-2	SW846 8270E	20-DEC-23 10:58	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-3 Collected: 13-DEC-23 13:55 By: TAJ Received: 14-DEC-23 By: JW SB118 (5-5.5)						
JD78884-3	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-3	SW846 8260D	15-DEC-23 16:34	PS			V8260TCL20+
JD78884-3	SW846 9012B/LACHAT	19-DEC-23 14:23	JD	15-DEC-23	MB	CN
JD78884-3	SW846 6010D	19-DEC-23 15:43	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-3	SW846 7471B	19-DEC-23 17:08	LM	19-DEC-23	LM	HG
JD78884-3	SW846 8081B	20-DEC-23 02:54	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-3	SW846 8082A	20-DEC-23 04:48	MLC	19-DEC-23	AB	P8082PCB11AO

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78884-3	SW846 8270E	20-DEC-23 11:17	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-4	Collected: 13-DEC-23 13:40 By: TAJ		Received: 14-DEC-23 By: JW			
SB119 (8-8.5)						
JD78884-4	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-4	SW846 8260D	15-DEC-23 17:01	PS			V8260TCL20+
JD78884-4	SW846 9012B/LACHAT	19-DEC-23 14:24	JD	15-DEC-23	MB	CN
JD78884-4	SW846 6010D	19-DEC-23 15:47	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-4	SW846 7471B	19-DEC-23 17:14	LM	19-DEC-23	LM	HG
JD78884-4	SW846 8081B	20-DEC-23 03:15	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-4	SW846 8082A	20-DEC-23 06:12	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-4	SW846 8270E	20-DEC-23 12:16	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-5	Collected: 13-DEC-23 12:35 By: TAJ		Received: 14-DEC-23 By: JW			
SB114 (4-4.5)						
JD78884-5	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-5	SW846 8260D	15-DEC-23 17:27	PS			V8260TCL20+
JD78884-5	SW846 9012B/LACHAT	19-DEC-23 14:25	JD	15-DEC-23	MB	CN
JD78884-5	SW846 6010D	19-DEC-23 15:52	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-5	SW846 7471B	19-DEC-23 17:16	LM	19-DEC-23	LM	HG
JD78884-5	SW846 8081B	20-DEC-23 03:36	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-5	SW846 8082A	20-DEC-23 06:28	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-5	SW846 8270E	20-DEC-23 12:35	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-6	Collected: 13-DEC-23 12:15 By: TAJ		Received: 14-DEC-23 By: JW			
SB110 (4.5-5)						
JD78884-6	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-6	SW846 8260D	15-DEC-23 17:53	PS			V8260TCL20+
JD78884-6	SW846 9012B/LACHAT	19-DEC-23 14:26	JD	15-DEC-23	MB	CN
JD78884-6	SW846 6010D	19-DEC-23 15:57	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-6	SW846 7471B	19-DEC-23 17:17	LM	19-DEC-23	LM	HG

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78884-6	SW846 8081B	20-DEC-23 03:57	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-6	SW846 8082A	20-DEC-23 06:45	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-6	SW846 8270E	20-DEC-23 12:55	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-7	Collected: 13-DEC-23 11:35 By: TAJ			Received: 14-DEC-23	By: JW	
SB109 (9.5-10)						
JD78884-7	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-7	SW846 8260D	15-DEC-23 22:45	PS			V8260TCL20+
JD78884-7	SW846 9012B/LACHAT	19-DEC-23 14:27	JD	15-DEC-23	MB	CN
JD78884-7	SW846 6010D	19-DEC-23 16:02	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-7	SW846 7471B	19-DEC-23 17:19	LM	19-DEC-23	LM	HG
JD78884-7	SW846 8082A	20-DEC-23 07:02	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-7	SW846 8270E	20-DEC-23 13:14	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-7	SW846 8081B	20-DEC-23 17:54	MLC	19-DEC-23	AB	P8081PESTTCL
JD78884-8	Collected: 13-DEC-23 11:55 By: TAJ			Received: 14-DEC-23	By: JW	
SB113 (8.5-9)						
JD78884-8	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-8	SW846 8260D	15-DEC-23 23:11	PS			V8260TCL20+
JD78884-8	SW846 9012B/LACHAT	19-DEC-23 14:28	JD	15-DEC-23	MB	CN
JD78884-8	SW846 6010D	19-DEC-23 16:07	ND	18-DEC-23	RE	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD78884-8	SW846 7471B	19-DEC-23 17:33	LM	19-DEC-23	LM	HG
JD78884-8	SW846 8082A	20-DEC-23 07:18	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-8	SW846 8270E	20-DEC-23 13:34	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-8	SW846 8081B	20-DEC-23 18:15	MLC	19-DEC-23	AB	P8081PESTTCL
JD78884-9	Collected: 13-DEC-23 09:45 By: TAJ			Received: 14-DEC-23	By: JW	
SB103 (4.5-5)						
JD78884-9	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-9	SW846 8260D	15-DEC-23 23:37	PS			V8260TCL20+
JD78884-9	SW846 9012B/LACHAT	19-DEC-23 14:31	JD	15-DEC-23	MB	CN
JD78884-9	SW846 6010D	19-DEC-23 16:12	ND	18-DEC-23	RE	AL,AS,BA,BE,CA,CD,CO,FE,K,MG,NA,NI,PB,SB,SE,TL,ZN

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78884-9	SW846 7471B	19-DEC-23 17:34	LM	19-DEC-23	LM	HG
JD78884-9	SW846 8081B	20-DEC-23 05:00	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-9	SW846 6010D	20-DEC-23 06:37	ND	18-DEC-23	RE	AG,CR,CU,MN,V
JD78884-9	SW846 8082A	20-DEC-23 07:35	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-9	SW846 8270E	20-DEC-23 14:52	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-10	Collected: 13-DEC-23 10:20 By: TAJ SB104 (7-7.5)			Received: 14-DEC-23 By: JW		
JD78884-10	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-10	SW846 8260D	15-DEC-23 18:19	PS			V8260TCL20+
JD78884-10	SW846 9012B/LACHAT	19-DEC-23 14:31	JD	15-DEC-23	MB	CN
JD78884-10	SW846 6010D	19-DEC-23 16:27	ND	18-DEC-23	RE	AL,AS,BE,CA,CO,K,MG,NI,SB,ZN
JD78884-10	SW846 7471B	19-DEC-23 20:12	LM	19-DEC-23	LM	HG
JD78884-10	SW846 6010D	20-DEC-23 06:42	ND	18-DEC-23	RE	BA,CD,CR,MN,NA,PB,TL,V
JD78884-10	SW846 8082A	20-DEC-23 07:51	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-10	SW846 6010D	20-DEC-23 08:04	ND	18-DEC-23	RE	AG,CU,FE,SE
JD78884-10	SW846 8270E	20-DEC-23 15:12	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-10	SW846 8081B	20-DEC-23 18:36	MLC	19-DEC-23	AB	P8081PESTTCL
JD78884-10	SW846 8270E	20-DEC-23 19:27	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-11	Collected: 13-DEC-23 10:45 By: TAJ SB105 (8-8.5)			Received: 14-DEC-23 By: JW		
JD78884-11	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104
JD78884-11	SW846 8260D	16-DEC-23 00:03	PS			V8260TCL20+
JD78884-11	SW846 9012B/LACHAT	19-DEC-23 14:32	JD	15-DEC-23	MB	CN
JD78884-11	SW846 6010D	19-DEC-23 16:32	ND	18-DEC-23	RE	AL,AS,BE,CA,CD,CO,K,MG,NI,PB,SB,SE,TL,ZN
JD78884-11	SW846 7471B	19-DEC-23 17:44	LM	19-DEC-23	LM	HG
JD78884-11	SW846 6010D	20-DEC-23 06:47	ND	18-DEC-23	RE	AG,BA,CR,CU,FE,MN,NA,V
JD78884-11	SW846 8082A	20-DEC-23 09:15	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-11	SW846 8270E	20-DEC-23 14:33	KM	19-DEC-23	TG	AB8270TCL20+
JD78884-11	SW846 8081B	20-DEC-23 18:56	MLC	19-DEC-23	AB	P8081PESTTCL
JD78884-12	Collected: 13-DEC-23 11:00 By: TAJ SB106 (5.5-6)			Received: 14-DEC-23 By: JW		
JD78884-12	SM2540 G 18TH ED MOD	15-DEC-23 16:00	MK			SOL104

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD78884

99 Franklin Courts, Tarrytown, NY
Project No: 12345

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD78884-12	SW846 8260D	16-DEC-23 18:52	JN			V8260TCL20+
JD78884-12	SW846 9012B/LACHAT	19-DEC-23 14:33	JD	15-DEC-23	MB	CN
JD78884-12	SW846 6010D	19-DEC-23 16:37	ND	18-DEC-23	RE	AL,AS,BE,CA,CD,CO,K,MG,NI, PB,SB,SE,TL,ZN
JD78884-12	SW846 7471B	19-DEC-23 17:45	LM	19-DEC-23	LM	HG
JD78884-12	SW846 8081B	20-DEC-23 06:03	CP	19-DEC-23	AB	P8081PESTTCL
JD78884-12	SW846 6010D	20-DEC-23 06:52	ND	18-DEC-23	RE	AG,BA,CR,CU,FE,MN,NA,V
JD78884-12	SW846 8082A	20-DEC-23 09:31	MLC	19-DEC-23	AB	P8082PCB11AO
JD78884-12	SW846 8270E	20-DEC-23 13:53	KM	19-DEC-23	TG	AB8270TCL20+

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-1.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-1.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-1.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-1.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-1.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-1.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-1.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-1.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-1.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-1.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-1.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-1.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-1.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-1.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-1.1
JD78884-1.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-1.1
JD78884-1.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-1.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-1.1
JD78884-1.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-1.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-1.1
JD78884-1.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-1.1
JD78884-1.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-1.1
JD78884-1.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-1.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-1.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-1.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage
JD78884-1.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-1.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-1.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-1.5	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-1.5	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-1.5	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-1.5	John Nieradka		12/16/23 15:53	Depleted
JD78884-2.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-2.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-2.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-2.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-2.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-2.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-2.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-2.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-2.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-2.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-2.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-2.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-2.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-2.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-2.1
JD78884-2.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-2.1
JD78884-2.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-2.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-2.1
JD78884-2.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-2.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-2.1
JD78884-2.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-2.1
JD78884-2.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-2.1
JD78884-2.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-2.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-2.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-2.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage
JD78884-2.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-2.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-2.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-3.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-3.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-3.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-3.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-3.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-3.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-3.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-3.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-3.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-3.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-3.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-3.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-3.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-3.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-3.1

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-3.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-3.1
JD78884-3.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-3.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-3.1
JD78884-3.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-3.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-3.1
JD78884-3.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-3.1
JD78884-3.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-3.1
JD78884-3.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-3.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-3.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-3.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage
JD78884-3.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-3.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-3.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-3.5	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-3.5	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-3.5	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-3.5	John Nieradka		12/16/23 15:53	Depleted
JD78884-4.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-4.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-4.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-4.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-4.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-4.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-4.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-4.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-4.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-4.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-4.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-4.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-4.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-4.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-4.1
JD78884-4.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-4.1
JD78884-4.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-4.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-4.1
JD78884-4.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-4.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-4.1
JD78884-4.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-4.1
JD78884-4.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-4.1
JD78884-4.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-4.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-4.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-4.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage
JD78884-4.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-4.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-4.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-5.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-5.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-5.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-5.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-5.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-5.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-5.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-5.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-5.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-5.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-5.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-5.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-5.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-5.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-5.1
JD78884-5.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-5.1
JD78884-5.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-5.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-5.1
JD78884-5.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-5.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-5.1
JD78884-5.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-5.1
JD78884-5.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-5.1
JD78884-5.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-5.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-5.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-5.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-5.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-5.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-5.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-6.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-6.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-6.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-6.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-6.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-6.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-6.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-6.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-6.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-6.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-6.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-6.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-6.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-6.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-6.1
JD78884-6.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-6.1
JD78884-6.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-6.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-6.1
JD78884-6.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-6.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-6.1
JD78884-6.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-6.1
JD78884-6.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-6.1
JD78884-6.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-6.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-6.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-6.4	Secured Storage	Prashant Shukla	12/15/23 14:17	Retrieve from Storage
JD78884-6.4	Prashant Shukla	GCMS3C	12/15/23 14:17	Load on Instrument
JD78884-6.4	GCMS3C	John Nieradka	12/16/23 15:52	Unload from Instrument
JD78884-6.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-7.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-7.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-7.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-7.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-7.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-7.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-7.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-7.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-7.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-7.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-7.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-7.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-7.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-7.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-7.1
JD78884-7.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-7.1
JD78884-7.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-7.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-7.1
JD78884-7.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-7.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-7.1
JD78884-7.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-7.1
JD78884-7.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-7.1
JD78884-7.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-7.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-7.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-7.4	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-7.4	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-7.4	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-7.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-8.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-8.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-8.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-8.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-8.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-8.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-8.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-8.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-8.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-8.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-8.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-8.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-8.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-8.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-8.1
JD78884-8.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-8.1

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-8.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-8.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-8.1
JD78884-8.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-8.1
JD78884-8.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-8.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-8.1
JD78884-8.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-8.1
JD78884-8.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-8.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-8.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-8.5	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-8.5	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-8.5	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-8.5	John Nieradka		12/16/23 15:53	Depleted
JD78884-9.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-9.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-9.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-9.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-9.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-9.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-9.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-9.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-9.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-9.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-9.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-9.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-9.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-9.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-9.1
JD78884-9.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-9.1
JD78884-9.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-9.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-9.1
JD78884-9.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-9.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-9.1
JD78884-9.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-9.1
JD78884-9.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-9.1
JD78884-9.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-9.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-9.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-9.4	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-9.4	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-9.4	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-9.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-10.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-10.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-10.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-10.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-10.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-10.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-10.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-10.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-10.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-10.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-10.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-10.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-10.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-10.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-10.1
JD78884-10.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-10.1
JD78884-10.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-10.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-10.1
JD78884-10.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-10.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-10.1
JD78884-10.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-10.1
JD78884-10.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-10.1
JD78884-10.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-10.4	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-10.4	Jayna Patel		12/15/23 09:29	Depleted
JD78884-11.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-11.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-11.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-11.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-11.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-11.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-11.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-11.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-11.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-11.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-11.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-11.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-11.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-11.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-11.1
JD78884-11.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-11.1
JD78884-11.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage
JD78884-11.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-11.1
JD78884-11.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-11.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-11.1
JD78884-11.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-11.1
JD78884-11.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-11.1
JD78884-11.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-11.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-11.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-11.4	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-11.4	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-11.4	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-11.4	John Nieradka		12/16/23 15:53	Depleted
JD78884-12.1	Suresh Patel	Secured Storage	12/14/23 21:33	Return to Storage
JD78884-12.1	Secured Storage	Dave Hunkele	12/15/23 09:14	Retrieve from Storage
JD78884-12.1	Dave Hunkele	Secured Staging Area	12/15/23 09:14	Return to Storage
JD78884-12.1	Secured Staging Area	Melanie Buen	12/15/23 12:48	Retrieve from Storage
JD78884-12.1	Melanie Buen	Secured Storage	12/15/23 20:49	Return to Storage
JD78884-12.1	Secured Storage	Dave Hunkele	12/16/23 14:51	Retrieve from Storage
JD78884-12.1	Dave Hunkele	Secured Staging Area	12/16/23 14:51	Return to Storage
JD78884-12.1	Secured Staging Area	Lauren Matthews	12/18/23 11:21	Retrieve from Storage
JD78884-12.1	Lauren Matthews	Secured Storage	12/18/23 20:53	Return to Storage
JD78884-12.1	Secured Storage	Aleandi Rodriguez	12/19/23 00:15	Retrieve from Storage
JD78884-12.1	Aleandi Rodriguez	Secured Staging Area	12/19/23 00:15	Return to Storage
JD78884-12.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 04:28	Retrieve from Storage
JD78884-12.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD78884-12.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 04:47	Extract from JD78884-12.1
JD78884-12.1.1	Organics Prep	Kevin Brefo	12/19/23 20:46	Extract from JD78884-12.1
JD78884-12.1.1	Kevin Brefo	Extract Storage	12/19/23 20:46	Return to Storage

SGS Internal Chain of Custody

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/14/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD78884-12.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:27	Extract from JD78884-12.1
JD78884-12.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-12.1
JD78884-12.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-12.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 05:28	Extract from JD78884-12.1
JD78884-12.1.3	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD78884-12.1
JD78884-12.1.3	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD78884-12.2	Secured Storage	Jayna Patel	12/15/23 08:39	Retrieve from Storage
JD78884-12.2	Jayna Patel		12/15/23 09:29	Depleted
JD78884-12.4	Secured Storage	Prashant Shukla	12/15/23 17:20	Retrieve from Storage
JD78884-12.4	Prashant Shukla	GCMS1C	12/15/23 17:21	Load on Instrument
JD78884-12.4	GCMS1C	John Nieradka	12/16/23 15:53	Unload from Instrument
JD78884-12.4	John Nieradka		12/16/23 15:53	Depleted

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C8572-MB	1C197933.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C8572-MB	1C197933.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	89%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	75-133%
2037-26-5	Toluene-D8	106%	79-125%
460-00-4	4-Bromofluorobenzene	98%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8075-MB	3C184784.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	0.75	2.0	0.52	ug/kg	J
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8075-MB	3C184784.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	103%	80-124%
17060-07-0	1,2-Dichloroethane-D4	104%	75-133%
2037-26-5	Toluene-D8	101%	79-125%
460-00-4	4-Bromofluorobenzene	105%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.82	43	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C8572-BS	1C197931.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	184	92	52-156
71-43-2	Benzene	50	52.2	104	82-119
74-97-5	Bromochloromethane	50	49.4	99	82-123
75-27-4	Bromodichloromethane	50	48.4	97	83-121
75-25-2	Bromoform	50	45.6	91	74-138
74-83-9	Bromomethane	50	48.9	98	56-150
78-93-3	2-Butanone (MEK)	200	189	95	72-138
75-15-0	Carbon disulfide	50	41.6	83	67-131
56-23-5	Carbon tetrachloride	50	45.8	92	72-130
108-90-7	Chlorobenzene	50	50.8	102	83-114
75-00-3	Chloroethane	50	53.1	106	67-141
67-66-3	Chloroform	50	44.3	89	76-115
74-87-3	Chloromethane	50	47.3	95	57-141
110-82-7	Cyclohexane	50	53.2	106	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	49.9	100	72-131
124-48-1	Dibromochloromethane	50	49.8	100	80-128
106-93-4	1,2-Dibromoethane	50	51.0	102	58-145
95-50-1	1,2-Dichlorobenzene	50	48.3	97	83-117
541-73-1	1,3-Dichlorobenzene	50	49.3	99	82-114
106-46-7	1,4-Dichlorobenzene	50	48.1	96	79-114
75-71-8	Dichlorodifluoromethane	50	38.2	76	49-146
75-34-3	1,1-Dichloroethane	50	45.8	92	76-126
107-06-2	1,2-Dichloroethane	50	48.6	97	76-118
75-35-4	1,1-Dichloroethene	50	44.4	89	72-125
156-59-2	cis-1,2-Dichloroethene	50	45.3	91	80-118
156-60-5	trans-1,2-Dichloroethene	50	46.8	94	76-122
78-87-5	1,2-Dichloropropane	50	52.5	105	82-123
10061-01-5	cis-1,3-Dichloropropene	50	53.2	106	83-123
10061-02-6	trans-1,3-Dichloropropene	50	47.1	94	83-123
100-41-4	Ethylbenzene	50	51.7	103	83-115
76-13-1	Freon 113	50	44.5	89	65-132
591-78-6	2-Hexanone	200	209	105	73-138
98-82-8	Isopropylbenzene	50	50.8	102	81-122
79-20-9	Methyl Acetate	50	52.9	106	63-142
108-87-2	Methylcyclohexane	50	47.4	95	73-126
1634-04-4	Methyl Tert Butyl Ether	50	46.4	93	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V1C8572-BS	1C197931.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	204	102	71-138
75-09-2	Methylene chloride	50	45.9	92	73-122
100-42-5	Styrene	50	49.9	100	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	53.7	107	75-127
127-18-4	Tetrachloroethene	50	51.4	103	73-125
108-88-3	Toluene	50	52.1	104	82-118
87-61-6	1,2,3-Trichlorobenzene	50	48.2	96	68-132
120-82-1	1,2,4-Trichlorobenzene	50	49.4	99	72-133
71-55-6	1,1,1-Trichloroethane	50	46.3	93	77-124
79-00-5	1,1,2-Trichloroethane	50	51.4	103	83-122
79-01-6	Trichloroethene	50	50.7	101	80-122
75-69-4	Trichlorofluoromethane	50	46.6	93	69-132
75-01-4	Vinyl chloride	50	45.8	92	60-144
	m,p-Xylene	100	104	104	82-119
95-47-6	o-Xylene	50	51.2	102	84-120
1330-20-7	Xylene (total)	150	155	103	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	87%	80-124%
17060-07-0	1,2-Dichloroethane-D4	89%	75-133%
2037-26-5	Toluene-D8	100%	79-125%
460-00-4	4-Bromofluorobenzene	99%	58-148%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8075-BS	3C184782.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	161	81	52-156
71-43-2	Benzene	50	43.8	88	82-119
74-97-5	Bromochloromethane	50	43.7	87	82-123
75-27-4	Bromodichloromethane	50	47.5	95	83-121
75-25-2	Bromoform	50	52.1	104	74-138
74-83-9	Bromomethane	50	52.8	106	56-150
78-93-3	2-Butanone (MEK)	200	192	96	72-138
75-15-0	Carbon disulfide	50	41.6	83	67-131
56-23-5	Carbon tetrachloride	50	44.1	88	72-130
108-90-7	Chlorobenzene	50	42.7	85	83-114
75-00-3	Chloroethane	50	56.0	112	67-141
67-66-3	Chloroform	50	44.7	89	76-115
74-87-3	Chloromethane	50	40.6	81	57-141
110-82-7	Cyclohexane	50	45.8	92	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	51.1	102	72-131
124-48-1	Dibromochloromethane	50	45.3	91	80-128
106-93-4	1,2-Dibromoethane	50	47.0	94	58-145
95-50-1	1,2-Dichlorobenzene	50	43.9	88	83-117
541-73-1	1,3-Dichlorobenzene	50	44.3	89	82-114
106-46-7	1,4-Dichlorobenzene	50	43.4	87	79-114
75-71-8	Dichlorodifluoromethane	50	43.2	86	49-146
75-34-3	1,1-Dichloroethane	50	44.4	89	76-126
107-06-2	1,2-Dichloroethane	50	44.6	89	76-118
75-35-4	1,1-Dichloroethene	50	42.1	84	72-125
156-59-2	cis-1,2-Dichloroethene	50	43.3	87	80-118
156-60-5	trans-1,2-Dichloroethene	50	44.1	88	76-122
78-87-5	1,2-Dichloropropane	50	46.2	92	82-123
10061-01-5	cis-1,3-Dichloropropene	50	48.4	97	83-123
10061-02-6	trans-1,3-Dichloropropene	50	50.4	101	83-123
100-41-4	Ethylbenzene	50	43.9	88	83-115
76-13-1	Freon 113	50	40.5	81	65-132
591-78-6	2-Hexanone	200	200	100	73-138
98-82-8	Isopropylbenzene	50	44.2	88	81-122
79-20-9	Methyl Acetate	50	46.4	93	63-142
108-87-2	Methylcyclohexane	50	43.7	87	73-126
1634-04-4	Methyl Tert Butyl Ether	50	46.6	93	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8075-BS	3C184782.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	201	101	71-138
75-09-2	Methylene chloride	50	42.5	85	73-122
100-42-5	Styrene	50	46.5	93	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	46.0	92	75-127
127-18-4	Tetrachloroethene	50	42.0	84	73-125
108-88-3	Toluene	50	42.7	85	82-118
87-61-6	1,2,3-Trichlorobenzene	50	45.0	90	68-132
120-82-1	1,2,4-Trichlorobenzene	50	44.6	89	72-133
71-55-6	1,1,1-Trichloroethane	50	44.7	89	77-124
79-00-5	1,1,2-Trichloroethane	50	45.7	91	83-122
79-01-6	Trichloroethene	50	43.6	87	80-122
75-69-4	Trichlorofluoromethane	50	47.3	95	69-132
75-01-4	Vinyl chloride	50	44.3	89	60-144
	m,p-Xylene	100	88.1	88	82-119
95-47-6	o-Xylene	50	44.1	88	84-120
1330-20-7	Xylene (total)	150	132	88	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	80-124%
17060-07-0	1,2-Dichloroethane-D4	102%	75-133%
2037-26-5	Toluene-D8	101%	79-125%
460-00-4	4-Bromofluorobenzene	102%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78884-1MS	1C197942.D	1	12/15/23	PS	n/a	n/a	V1C8572
JD78884-1	1C197935.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	JD78884-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	34.8		639	509	74	10-170
71-43-2	Benzene	ND		160	154	96	61-132
74-97-5	Bromochloromethane	ND		160	141	88	68-126
75-27-4	Bromodichloromethane	ND		160	143	89	65-129
75-25-2	Bromoform	ND		160	115	72	52-136
74-83-9	Bromomethane	ND		160	145	91	23-158
78-93-3	2-Butanone (MEK)	ND		639	520	81	45-142
75-15-0	Carbon disulfide	ND		160	107	67	50-140
56-23-5	Carbon tetrachloride	ND		160	121	76	54-139
108-90-7	Chlorobenzene	ND		160	131	82	57-127
75-00-3	Chloroethane	ND		160	157	98	30-157
67-66-3	Chloroform	ND		160	129	81	59-127
74-87-3	Chloromethane	ND		160	135	84	49-145
110-82-7	Cyclohexane	ND		160	136	85	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		160	115	72	35-140
124-48-1	Dibromochloromethane	ND		160	133	83	63-129
106-93-4	1,2-Dibromoethane	ND		160	127	79	45-141
95-50-1	1,2-Dichlorobenzene	ND		160	102	64	38-136
541-73-1	1,3-Dichlorobenzene	ND		160	99.8	62	37-135
106-46-7	1,4-Dichlorobenzene	ND		160	102	64	36-134
75-71-8	Dichlorodifluoromethane	ND		160	114	71	33-152
75-34-3	1,1-Dichloroethane	ND		160	137	86	68-131
107-06-2	1,2-Dichloroethane	ND		160	136	85	64-119
75-35-4	1,1-Dichloroethene	ND		160	131	82	60-133
156-59-2	cis-1,2-Dichloroethene	ND		160	130	81	58-133
156-60-5	trans-1,2-Dichloroethene	ND		160	124	78	62-130
78-87-5	1,2-Dichloropropane	ND		160	150	94	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		160	140	88	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		160	125	78	61-127
100-41-4	Ethylbenzene	ND		160	129	81	51-133
76-13-1	Freon 113	ND		160	124	78	46-138
591-78-6	2-Hexanone	ND		639	551	86	45-144
98-82-8	Isopropylbenzene	ND		160	119	74	44-142
79-20-9	Methyl Acetate	ND		160	162	101	14-192
108-87-2	Methylcyclohexane	ND		160	102	64	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		160	139	87	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78884-1MS	1C197942.D	1	12/15/23	PS	n/a	n/a	V1C8572
JD78884-1	1C197935.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	JD78884-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		639	544	85	50-138
75-09-2	Methylene chloride	ND		160	136	85	63-127
100-42-5	Styrene	ND		160	114	71	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		160	140	88	44-135
127-18-4	Tetrachloroethene	ND		160	135	84	38-146
108-88-3	Toluene	ND		160	138	86	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		160	67.0	42	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		160	66.8	42	10-158
71-55-6	1,1,1-Trichloroethane	ND		160	135	84	61-134
79-00-5	1,1,2-Trichloroethane	ND		160	138	86	62-133
79-01-6	Trichloroethene	ND		160	143	89	52-144
75-69-4	Trichlorofluoromethane	ND		160	143	89	50-141
75-01-4	Vinyl chloride	ND		160	135	84	48-151
	m,p-Xylene	ND		320	247	77	51-135
95-47-6	o-Xylene	ND		160	131	82	52-137
1330-20-7	Xylene (total)	ND		479	378	79	50-138

CAS No.	Surrogate Recoveries	MS	JD78884-1	Limits
1868-53-7	Dibromofluoromethane	90%	93%	80-124%
17060-07-0	1,2-Dichloroethane-D4	96%	100%	75-133%
2037-26-5	Toluene-D8	98%	97%	79-125%
460-00-4	4-Bromofluorobenzene	103%	98%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78842-1MS	3C184792.D	1	12/16/23	JN	n/a	n/a	V3C8075
JD78842-1	3C184790.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	JD78842-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		257	152	59	10-170
71-43-2	Benzene	ND		64.3	53.0	82	61-132
74-97-5	Bromochloromethane	ND		64.3	49.5	77	68-126
75-27-4	Bromodichloromethane	ND		64.3	55.7	87	65-129
75-25-2	Bromoform	ND		64.3	51.4	80	52-136
74-83-9	Bromomethane	ND		64.3	57.1	89	23-158
78-93-3	2-Butanone (MEK)	ND		257	188	73	45-142
75-15-0	Carbon disulfide	ND		64.3	27.3	42* [a]	50-140
56-23-5	Carbon tetrachloride	ND		64.3	52.4	81	54-139
108-90-7	Chlorobenzene	ND		64.3	52.2	81	57-127
75-00-3	Chloroethane	ND		64.3	67.0	104	30-157
67-66-3	Chloroform	ND		64.3	55.9	87	59-127
74-87-3	Chloromethane	ND		64.3	62.2	97	49-145
110-82-7	Cyclohexane	ND		64.3	63.7	99	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		64.3	46.3	72	35-140
124-48-1	Dibromochloromethane	ND		64.3	50.7	79	63-129
106-93-4	1,2-Dibromoethane	ND		64.3	49.4	77	45-141
95-50-1	1,2-Dichlorobenzene	ND		64.3	50.7	79	38-136
541-73-1	1,3-Dichlorobenzene	ND		64.3	50.8	79	37-135
106-46-7	1,4-Dichlorobenzene	ND		64.3	49.6	77	36-134
75-71-8	Dichlorodifluoromethane	ND		64.3	53.8	84	33-152
75-34-3	1,1-Dichloroethane	ND		64.3	52.6	82	68-131
107-06-2	1,2-Dichloroethane	ND		64.3	48.7	76	64-119
75-35-4	1,1-Dichloroethene	ND		64.3	39.9	62	60-133
156-59-2	cis-1,2-Dichloroethene	ND		64.3	51.4	80	58-133
156-60-5	trans-1,2-Dichloroethene	ND		64.3	49.6	77	62-130
78-87-5	1,2-Dichloropropane	ND		64.3	56.0	87	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		64.3	53.5	83	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		64.3	51.6	80	61-127
100-41-4	Ethylbenzene	ND		64.3	54.3	84	51-133
76-13-1	Freon 113	ND		64.3	39.4	61	46-138
591-78-6	2-Hexanone	ND		257	175	68	45-144
98-82-8	Isopropylbenzene	ND		64.3	55.3	86	44-142
79-20-9	Methyl Acetate	ND		64.3	43.6	68	14-192
108-87-2	Methylcyclohexane	ND		64.3	48.0	75	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		64.3	48.7	76	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78842-1MS	3C184792.D	1	12/16/23	JN	n/a	n/a	V3C8075
JD78842-1	3C184790.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	JD78842-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		257	187	73	50-138
75-09-2	Methylene chloride	ND		64.3	50.1	78	63-127
100-42-5	Styrene	ND		64.3	55.5	86	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		64.3	39.2	61	44-135
127-18-4	Tetrachloroethene	ND		64.3	52.7	82	38-146
108-88-3	Toluene	ND		64.3	54.0	84	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		64.3	39.5	61	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		64.3	38.9	60	10-158
71-55-6	1,1,1-Trichloroethane	ND		64.3	55.3	86	61-134
79-00-5	1,1,2-Trichloroethane	ND		64.3	51.6	80	62-133
79-01-6	Trichloroethene	ND		64.3	61.8	96	52-144
75-69-4	Trichlorofluoromethane	ND		64.3	61.1	95	50-141
75-01-4	Vinyl chloride	ND		64.3	63.7	99	48-151
	m,p-Xylene	ND		129	110	85	51-135
95-47-6	o-Xylene	ND		64.3	55.4	86	52-137
1330-20-7	Xylene (total)	ND		193	165	85	50-138

CAS No.	Surrogate Recoveries	MS	JD78842-1	Limits
1868-53-7	Dibromofluoromethane	101%	107%	80-124%
17060-07-0	1,2-Dichloroethane-D4	96%	103%	75-133%
2037-26-5	Toluene-D8	102%	102%	79-125%
460-00-4	4-Bromofluorobenzene	103%	115%	58-148%

(a) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78884-3DUP	1C197943.D	1	12/15/23	PS	n/a	n/a	V1C8572
JD78884-3	1C197937.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	JD78884-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		13.0		200* [a]	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	1.4	J	1.9	J	30	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78884-3DUP	1C197943.D	1	12/15/23	PS	n/a	n/a	V1C8572
JD78884-3	1C197937.D	1	12/15/23	PS	n/a	n/a	V1C8572

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11

CAS No.	Compound	JD78884-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JD78884-3	Limits
1868-53-7	Dibromofluoromethane	91%	89%	80-124%
17060-07-0	1,2-Dichloroethane-D4	101%	94%	75-133%
2037-26-5	Toluene-D8	95%	106%	79-125%
460-00-4	4-Bromofluorobenzene	105%	99%	58-148%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78842-3DUP	3C184794.D	1	12/16/23	JN	n/a	n/a	V3C8075
JD78842-3	3C184791.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	JD78842-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78842-3DUP	3C184794.D	1	12/16/23	JN	n/a	n/a	V3C8075
JD78842-3	3C184791.D	1	12/16/23	JN	n/a	n/a	V3C8075

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD78884-12

CAS No.	Compound	JD78842-3 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JD78842-3	Limits
1868-53-7	Dibromofluoromethane	106%	105%	80-124%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	75-133%
2037-26-5	Toluene-D8	99%	100%	79-125%
460-00-4	4-Bromofluorobenzene	110%	106%	58-148%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-BFB
Lab File ID: 1C196422.D
Instrument ID: GCMS1C
Injection Date: 09/25/23
Injection Time: 21:11

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	14.99 - 40.0% of mass 95	22384	21.1		Pass
75	30.0 - 60.0% of mass 95	55248	52.1		Pass
95	Base peak, 100% relative abundance	106123	100.0		Pass
96	5.0 - 9.0% of mass 95	6734	6.35		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	104515	98.5		Pass
175	5.0 - 9.0% of mass 174	7993	7.53	(7.65) [a]	Pass
176	95.0 - 101.0% of mass 174	99973	94.2	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	6900	6.50	(6.90) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V1C8512-IC8512	1C196423.D	09/25/23	21:50	00:39	Initial cal 0.2
V1C8512-IC8512	1C196424.D	09/25/23	22:16	01:05	Initial cal 0.5
V1C8512-IC8512	1C196425.D	09/25/23	22:43	01:32	Initial cal 1
V1C8512-IC8512	1C196426.D	09/25/23	23:09	01:58	Initial cal 2
V1C8512-IC8512	1C196427.D	09/25/23	23:35	02:24	Initial cal 4
V1C8512-IC8512	1C196428.D	09/26/23	00:01	02:50	Initial cal 8
V1C8512-IC8512	1C196429.D	09/26/23	00:28	03:17	Initial cal 20
V1C8512-ICC8512	1C196430.D	09/26/23	00:54	03:43	Initial cal 50
V1C8512-IC8512	1C196431.D	09/26/23	01:20	04:09	Initial cal 100
V1C8512-IC8512	1C196432.D	09/26/23	01:47	04:36	Initial cal 200
V1C8512-ICV8512	1C196435.D	09/26/23	03:05	05:54	Initial cal verification 50
V1C8512-ICV8512	1C196436.D	09/26/23	03:31	06:20	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-BFB
Lab File ID: 3C184621.D
Instrument ID: GCMS3C
Injection Date: 12/11/23
Injection Time: 21:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	52381	21.4		Pass
75	30.0 - 60.0% of mass 95	134123	54.8		Pass
95	Base peak, 100% relative abundance	244715	100.0		Pass
96	5.0 - 9.0% of mass 95	16900	6.91		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	251200	102.7		Pass
175	5.0 - 9.0% of mass 174	20493	8.37	(8.16) [a]	Pass
176	95.0 - 101.0% of mass 174	240533	98.3	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	16141	6.60	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8069-IC8069	3C184622.D	12/11/23	22:24	00:27	Initial cal 0.2
V3C8069-IC8069	3C184623.D	12/11/23	22:50	00:53	Initial cal 0.5
V3C8069-IC8069	3C184624.D	12/11/23	23:14	01:17	Initial cal 1
V3C8069-IC8069	3C184625.D	12/11/23	23:39	01:42	Initial cal 2
V3C8069-IC8069	3C184626.D	12/12/23	00:05	02:08	Initial cal 4
V3C8069-IC8069	3C184627.D	12/12/23	00:30	02:33	Initial cal 8
V3C8069-IC8069	3C184628.D	12/12/23	00:55	02:58	Initial cal 20
V3C8069-ICC8069	3C184629.D	12/12/23	01:19	03:22	Initial cal 50
V3C8069-IC8069	3C184630.D	12/12/23	01:44	03:47	Initial cal 100
V3C8069-IC8069	3C184631.D	12/12/23	02:10	04:13	Initial cal 200
V3C8069-ICV8069	3C184634.D	12/12/23	03:25	05:28	Initial cal verification 50
V3C8069-ICV8069	3C184635.D	12/12/23	03:50	05:53	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-BFB2
Lab File ID: 3C184638.D
Instrument ID: GCMS3C
Injection Date: 12/12/23
Injection Time: 15:56

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	51843	21.0		Pass
75	30.0 - 60.0% of mass 95	133448	54.1		Pass
95	Base peak, 100% relative abundance	246699	100.0		Pass
96	5.0 - 9.0% of mass 95	16782	6.80		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	249941	101.3		Pass
175	5.0 - 9.0% of mass 174	19592	7.94	(7.84) [a]	Pass
176	95.0 - 101.0% of mass 174	238016	96.5	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	15774	6.39	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8069-ICV8069	3C184639.D	12/12/23	16:23	00:27	Initial cal verification 50
V3C8071-CC8069	3C184657.D	12/13/23	11:09	19:13	Continuing cal 50
V3C8071-CC8069	3C184658.D	12/13/23	12:17	20:21	Continuing cal 4
V3C8071-BS	3C184659.D	12/13/23	12:42	20:46	Blank Spike
V3C8071-MB	3C184661.D	12/13/23	13:48	21:52	Method Blank
ZZZZZZ	3C184662.D	12/13/23	14:13	22:17	(unrelated sample)
JD78605-1	3C184663.D	12/13/23	14:38	22:42	(used for QC only; not part of job JD78884)
JD78605-2	3C184664.D	12/13/23	15:03	23:07	(used for QC only; not part of job JD78884)
ZZZZZZ	3C184665.D	12/13/23	15:28	23:32	(unrelated sample)
ZZZZZZ	3C184666.D	12/13/23	15:53	23:57	(unrelated sample)
JD78605-1MS	3C184667.D	12/13/23	16:18	24:22	Matrix Spike

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	V1C8572-CC8512	**Injection Date:**	12/15/23
Lab File ID:	1C197929.D	**Injection Time:**	12:27
Instrument ID:	GCMS1C	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	89609	7.03	356263	9.29	530880	10.21	363962	13.38	198251	15.70
Upper Limit [a]	179218	7.53	712526	9.79	1061760	10.71	727924	13.88	396502	16.20
Lower Limit [b]	44805	6.53	178132	8.79	265440	9.71	181981	12.88	99126	15.20

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V1C8572-BS	77845	7.04	334785	9.29	508586	10.21	359693	13.38	182598	15.71
V1C8572-MB	91486	7.04	349225	9.29	503414	10.21	375459	13.38	199913	15.70
ZZZZZZ	108379	7.04	352078	9.30	511894	10.21	396526	13.38	200342	15.71
JD78884-1	108154	7.04	322818	9.29	489459	10.21	371492	13.38	187391	15.71
JD78884-2	91599	7.04	325384	9.29	473695	10.21	355512	13.38	180058	15.71
JD78884-3	88657	7.03	321850	9.29	484345	10.21	337577	13.38	188912	15.71
JD78884-4	88807	7.03	324656	9.29	478509	10.21	344195	13.38	184577	15.71
JD78884-5	84505	7.04	319345	9.29	481645	10.21	350699	13.38	187126	15.71
JD78884-6	89944	7.04	323590	9.29	479907	10.21	345294	13.38	188874	15.71
JD78884-10	89248	7.04	304985	9.29	455461	10.21	345630	13.38	179879	15.71
JD78884-1MS	76596	7.04	319769	9.29	481423	10.21	353327	13.38	178887	15.71
JD78884-3DUP	97588	7.03	339398	9.29	488374	10.21	380986	13.38	182976	15.71
ZZZZZZ	98750	7.04	340761	9.29	516053	10.21	380190	13.38	201790	15.71
ZZZZZZ	107659	7.04	334637	9.29	506007	10.21	378251	13.38	188807	15.71
ZZZZZZ	89352	7.04	325833	9.29	480283	10.21	376548	13.38	195241	15.71
ZZZZZZ	94288	7.04	319932	9.29	482529	10.21	356640	13.38	186440	15.71
ZZZZZZ	89149	7.04	313263	9.29	470187	10.21	347385	13.38	180043	15.71
ZZZZZZ	84624	7.04	309767	9.29	463464	10.21	352189	13.38	176525	15.70
ZZZZZZ	87778	7.04	311648	9.29	469006	10.21	343626	13.38	184513	15.70
JD78884-7	89768	7.04	306282	9.29	475733	10.21	366268	13.38	184004	15.70
JD78884-8	82313	7.04	308341	9.30	453565	10.21	340773	13.38	175921	15.71
JD78884-9	82411	7.04	307977	9.30	447556	10.21	322461	13.38	164867	15.71
JD78884-11	79110	7.04	309593	9.29	459947	10.21	349201	13.38	177980	15.71

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: V3C8075-CC8069 **Injection Date:** 12/16/23
Lab File ID: 3C184780.D **Injection Time:** 14:13
Instrument ID: GCMS3C **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	128703	2.27	485228	3.63	856805	4.25	780064	7.00	468248	8.95
Upper Limit [a]	257406	2.77	970456	4.13	1713610	4.75	1560128	7.50	936496	9.45
Lower Limit [b]	64352	1.77	242614	3.13	428403	3.75	390032	6.50	234124	8.45

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C8075-BS	222729	2.27	520664	3.63	930950	4.25	837017	7.00	503495	8.95
V3C8075-MB	267843[c]	2.27	489341	3.63	879789	4.25	763602	7.00	425913	8.95
ZZZZZZ	377449[c]	2.28	505359	3.63	906739	4.25	771364	7.00	372465	8.95
ZZZZZZ	153311	2.27	459794	3.63	830326	4.25	718034	7.00	360536	8.95
ZZZZZZ	133166	2.27	449992	3.63	790458	4.25	701815	7.00	370608	8.95
JD78884-12	253300	2.27	482443	3.63	884004	4.25	779180	7.00	427386	8.96
ZZZZZZ	113621	2.27	454023	3.63	817681	4.25	709796	7.00	364432	8.95
JD78842-1	131447	2.27	450352	3.63	838976	4.25	724931	7.00	355066	8.95
JD78842-3	133021	2.27	457182	3.63	830554	4.25	737944	7.00	398729	8.95
JD78842-1MS	93936	2.27	462465	3.63	833972	4.25	739951	7.00	420650	8.95
JD78842-3DUP	129621	2.27	448166	3.63	816382	4.25	723588	7.00	372261	8.95
ZZZZZZ	143123	2.27	478898	3.63	868020	4.25	773030	7.00	426004	8.95
ZZZZZZ	130970	2.27	461705	3.63	826170	4.25	733397	7.00	410880	8.95
ZZZZZZ	129588	2.27	472602	3.63	853892	4.25	757208	7.00	413784	8.95
ZZZZZZ	215888	2.27	487728	3.63	887144	4.25	786848	7.00	435418	8.95
ZZZZZZ	207933	2.27	485086	3.63	894522	4.25	792951	7.00	436218	8.95
ZZZZZZ	115354	2.27	440546	3.63	792009	4.25	673672	7.00	351796	8.95
ZZZZZZ	137023	2.27	450621	3.63	809371	4.25	718848	7.00	388316	8.95
ZZZZZZ	138523	2.27	457252	3.63	837143	4.25	719126	7.00	369981	8.95
ZZZZZZ	116479	2.27	434344	3.63	792582	4.25	704201	7.00	389203	8.95
ZZZZZZ	97035	2.27	457487	3.63	822175	4.25	1029835	7.01	996316*	8.96

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside the QC criteria but no associated target compounds reported under this internal standard.

Surrogate Recovery Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD78884-1	1C197935.D	93	100	97	98
JD78884-2	1C197936.D	91	104	99	100
JD78884-3	1C197937.D	89	94	106	99
JD78884-4	1C197938.D	88	99	100	100
JD78884-5	1C197939.D	93	98	98	100
JD78884-6	1C197940.D	89	98	101	94
JD78884-7	1C197951.D	95	100	97	101
JD78884-8	1C197952.D	92	99	98	100
JD78884-9	1C197953.D	89	102	97	104
JD78884-10	1C197941.D	95	101	95	101
JD78884-11	1C197954.D	91	101	95	100
JD78884-12	3C184788.D	106	107	99	105
JD78842-1MS	3C184792.D	101	96	102	103
JD78842-3DUP	3C184794.D	106	105	99	110
JD78884-1MS	1C197942.D	90	96	98	103
JD78884-3DUP	1C197943.D	91	101	95	105
V1C8572-BS	1C197931.D	87	89	100	99
V1C8572-MB	1C197933.D	89	95	106	98
V3C8075-BS	3C184782.D	103	102	101	102
V3C8075-MB	3C184784.D	103	104	101	105

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICC8512
Lab FileID: 1C196430.D

Response Factor Report GCMS1C

Method : C:\msdchem\1\methods\M1C8512.M (RTE Integrator)
Title : SW846 8260C/D, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Wed Dec 13 16:21:05 2023
Response via : Initial Calibration

Calibration Files
1 =1C196425.D 0.5 =1C196424.D 100 =1C196431.D 50 =1C196430.D
20 =1C196429.D 200 =1C196432.D 4 =1C196427.D 2 =1C196426.D
8 =1C196428.D 0.2 =1C196423.D = =

Compound	1	0.5	100	50	20	200	4	2	8	0.2	Avg	%RSD
1) tert butyl alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.227	1.273	1.098	1.112	1.238	1.140	1.134	1.156			1.172	5.55
3) ethanol	0.107	0.113	0.103	0.100	0.110	0.103	0.110	0.104			0.106	4.01
4) 1,4-dioxane		0.104	0.095	0.089	0.098	0.079		0.097			0.094	9.31
5) I pentafluorobenzene	----------ISTD----------											
6) dichlorodifluoromethane	0.794	0.766	0.770	0.754	0.701	0.741	0.762	0.822	0.783	0.899	0.779	6.79
7) chlorodifluoromethane	0.746	0.809	0.731	0.752	0.716	0.702	0.742	0.772	0.731		0.745	4.22
8) chloromethane	0.653	0.703	0.618	0.594	0.564	0.614	0.612	0.670	0.617		0.627	6.66
9) vinyl chloride	0.521	0.441	0.534	0.511	0.475	0.519	0.531	0.590	0.536	0.511	0.517	7.55
10) 1,3-butadiene	0.370	0.334	0.368	0.366	0.359	0.351	0.378	0.419	0.371		0.368	6.19
11) bromomethane	0.272		0.303	0.265	0.240	0.310	0.259	0.295	0.245		0.274	9.68
12) chloroethane	0.239	0.242	0.249	0.246	0.227	0.246	0.251	0.284	0.246		0.248	6.15
13) trichlorofluoromethane	0.810	0.877	0.879	0.890	0.815	0.840	0.909	0.952	0.907	0.835	0.871	5.23
14) ethyl ether		0.157	0.166	0.147	0.163	0.163	0.193	0.148			0.162	9.51
15) acrolein		0.048	0.044	0.044	0.048			0.037			0.044	10.92
16) freon 113	0.358	0.315	0.372	0.367	0.354	0.363	0.374	0.381	0.351		0.359	5.39
17) 1,1-dichloroethene	0.402	0.359	0.347	0.337	0.342	0.337	0.370	0.385	0.333		0.357	6.78
18) acetone		0.030	0.028	0.025	0.031	0.023	0.023	0.023			0.026	13.02
19) acetonitrile		0.042	0.039	0.038	0.039	0.040	0.044	0.041			0.040	4.99
20) iodomethane	0.542	0.661	0.582	0.587	0.523	0.555	0.560	0.589	0.531		0.570	7.34
21) carbon disulfide	1.574		1.289	1.266	1.220	1.266	1.350	1.424	1.322		1.339	8.48
22) methylene chloride	0.431		0.377	0.372	0.353	0.355	0.393	0.449	0.408		0.392	8.96
23) methyl acetate												

```
                0.044 0.039 0.041 0.045 0.037 0.044 0.037        0.041    8.56
24)  methyl tert butyl ether
      1.014 0.941 1.008 1.016 0.961 1.010 0.996 1.031 0.959        0.993    3.15
25)  trans-1,2-dichloroethene
      0.446 0.414 0.402 0.398 0.386 0.386 0.440 0.456 0.401 0.346  0.407    8.05
26)  di-isopropyl ether
      1.374 1.459 1.462 1.450 1.396 1.437 1.538 1.526 1.450 1.523  1.461    3.71
27)  2-butanone
                0.031 0.030 0.029 0.030 0.029 0.027 0.029        0.029    4.78
28)  1,1-dichloroethane
      0.757 0.817 0.796 0.838 0.781 0.815 0.882 0.877 0.843 0.827  0.823    4.78
29)  chloroprene
      0.705 0.686 0.739 0.761 0.731 0.737 0.822 0.810 0.782 0.658  0.743    7.04
30)  acrylonitrile
                0.119 0.116 0.112 0.118 0.089       0.108        0.110   10.19
31)  hexane
                0.701 0.724 0.717 0.677 0.930       0.848        0.766   13.03
32)  vinyl acetate
                0.032 0.037 0.036 0.036             0.040        0.036    7.43
33)  ethyl tert-butyl ether
      1.226 1.217 1.377 1.334 1.313 1.351 1.397 1.423 1.356 1.048  1.304    8.59
34)  ethyl acetate
                0.050 0.048 0.048 0.046 0.045 0.041 0.051        0.047    6.99
35)  2,2-dichloropropane
      0.808 0.774 0.732 0.709 0.711 0.699 0.782 0.779 0.739 0.700  0.743    5.34
36)  cis-1,2-dichloroethene
      0.495 0.504 0.431 0.423 0.427 0.414 0.482 0.499 0.467        0.460    7.93
37)  methyl acrylate
                0.045 0.046 0.041 0.046 0.036       0.046        0.043    9.63
38)  propionitrile
      0.043 0.040 0.046 0.047 0.044 0.045 0.047 0.049 0.051        0.046    6.64
39)  bromochloromethane
      0.172 0.155 0.189 0.193 0.186 0.181 0.199 0.200 0.184        0.184    7.62
40)  tetrahydrofuran
      0.107       0.104 0.103 0.105 0.097 0.110 0.124 0.114        0.108    7.43
41)  chloroform
      0.740       0.553 0.543 0.532 0.532 0.600 0.647 0.561        0.588   12.36
42)  t-butyl formate  *This compound fails Initial Calibration criteria*
                0.144 0.144 0.139 0.147 0.170 0.153 0.156        0.151    6.87
43)  dibromofluoromethane (s)
      0.557 0.552 0.563 0.579 0.580 0.554 0.570 0.555 0.575 0.544  0.563    2.22
44)  methacrylonitrile
                0.120 0.125 0.118 0.118 0.116 0.098 0.128        0.118    8.09
45)  1,1,1-trichloroethane
      0.837 0.773 0.834 0.818 0.802 0.789 0.820 0.894 0.787 0.843  0.820    4.28
46)  cyclohexane
      0.551 0.556 0.551 0.517 0.477 0.510 0.555 0.599 0.516 0.471  0.530    7.44
47)  1,1-dichloropropene
      0.595 0.602 0.610 0.594 0.592 0.596 0.624 0.671 0.578 0.624  0.609    4.31
48)  iso-butyl alcohol
                0.015 0.013 0.014 0.015 0.016       0.015        0.014    6.29
49)  carbon tetrachloride
      0.775 0.715 0.784 0.759 0.747 0.752 0.805 0.804 0.753 0.649  0.754    6.12
50)  tert amyl alcohol
                0.015 0.014 0.014 0.014 0.016 0.019 0.016        0.015   11.07

51) I   1,4-difluorobenzene   ----------------ISTD---------------------
52)  1,2-dichloroethane-d4 (s)
      0.357 0.384 0.366 0.361 0.370 0.370 0.370 0.372 0.377 0.357  0.368    2.31
53)  n-butyl alcohol
```

```
                0.006 0.006 0.005 0.006 0.005 0.005 0.005        0.006#  11.19
54)  2,2,4-trimethylpentane
      1.031 1.278 1.075 0.988 1.042 1.037 1.123 1.196 1.026 1.230  1.103    9.03
55)  benzene
      0.949 0.984 0.974 0.852 0.894 0.910 0.995 1.054 0.900 1.105  0.962    8.06
56)  tert-amyl methyl ether
      0.112 0.148 0.165 0.146 0.149 0.154 0.156 0.165 0.148        0.149   10.40
57)  heptane
      0.187 0.175 0.207 0.190 0.192 0.193 0.197 0.196 0.197        0.193    4.46
58)  isopropyl acetate
                0.033 0.030 0.030 0.032 0.029 0.022 0.031        0.030   11.70
59)  1,2-dichloroethane
      0.423 0.449 0.409 0.366 0.365 0.379 0.404 0.415 0.379        0.399    7.17
60)  trichloroethene
      0.245 0.261 0.288 0.262 0.258 0.272 0.263 0.284 0.272 0.306  0.271    6.54
61)  ethyl acrylate
      0.259       0.284 0.262 0.260 0.276 0.275 0.260 0.267        0.268    3.43
62)  2-nitropropane
                                                                   0.000#  -1.00
63)  2-chloroethyl vinyl ether
      0.097 0.100 0.117 0.104 0.103 0.108 0.114 0.111 0.106        0.107    5.95
64)  methyl methacrylate
                0.043 0.043 0.039 0.042 0.041       0.042        0.042    3.99
65)  1,2-dichloropropane
      0.256 0.278 0.266 0.256 0.249 0.249 0.277 0.284 0.265        0.264    4.91
66)  dibromomethane
      0.120       0.164 0.152 0.142 0.152 0.147 0.169 0.148        0.149    9.96
67)  methylcyclohexane
      0.384 0.453 0.414 0.384 0.373 0.396 0.411 0.453 0.415 0.467  0.415    7.86
68)  bromodichloromethane
      0.363 0.399 0.399 0.352 0.358 0.372 0.386 0.404 0.363 0.401  0.380    5.35
69)  epichlorohydrin
      0.017       0.021 0.018 0.019 0.019 0.016 0.020 0.018        0.019    8.48
70)  cis-1,3-dichloropropene
      0.368 0.394 0.413 0.380 0.379 0.398 0.383 0.414 0.394 0.448  0.397    5.83
71)  4-methyl-2-pentanone
      0.064 0.077 0.072 0.065 0.066 0.069 0.064 0.073 0.068 0.058  0.068    7.84
72)  3-methyl-1-butanol
      0.009       0.010 0.009 0.009 0.010 0.008 0.009 0.009        0.009#   5.96

73) I   chlorobenzene-d5      ----------------ISTD---------------------
74)  toluene-d8 (s)
      1.449 1.472 1.405 1.443 1.440 1.419 1.420 1.473 1.436 1.396  1.435    1.82
75)  toluene
      0.731 0.772 0.781 0.766 0.704 0.723 0.761 0.822 0.753 0.916  0.773    7.78
76)  trans-1,3-dichloropropene
      0.499 0.439 0.512 0.490 0.488 0.493 0.512 0.508 0.511 0.549  0.500    5.55
77)  ethyl methacrylate
      0.261 0.294 0.296 0.289 0.274 0.293 0.279 0.312 0.304        0.289    5.43
78)  1,1,2-trichloroethane
      0.221 0.169 0.221 0.214 0.206 0.202 0.221 0.229 0.220        0.211    8.46
79)  tetrachloroethene
      0.306 0.382 0.324 0.303 0.300 0.286 0.308 0.334 0.299 0.363  0.321    9.56
80)  1,3-dichloropropane
      0.336 0.326 0.386 0.352 0.368 0.332 0.366 0.418 0.352        0.360    8.14
81)  2-hexanone
      0.069 0.076 0.091 0.084 0.084 0.077 0.085 0.097 0.084        0.083    9.89
82)  butyl acetate
                0.150 0.138 0.142 0.144 0.141 0.172 0.139        0.147    8.09
83)  dibromochloromethane
```

```
      0.339 0.348 0.381 0.367 0.346 0.359 0.376 0.381 0.357 0.369  0.362    4.10
 84)  1,2-dibromoethane
      0.237 0.232 0.276 0.263 0.242 0.258 0.267 0.283 0.252        0.257    6.82
 85)  n-butyl ether
      1.165 1.178 1.240 1.152 1.223 1.215 1.205 1.283 1.155 1.091  1.191    4.54
 86)  chlorobenzene
      0.827 0.778 0.840 0.778 0.753 0.785 0.844 0.913 0.733 0.989  0.824    9.49
 87)  1,1,1,2-tetrachloroethane
      0.346 0.262 0.356 0.313 0.315 0.341 0.342 0.336 0.319        0.326    8.62
 88)  ethylbenzene
      1.400 1.333 1.490 1.278 1.307 1.393 1.453 1.581 1.407 1.430  1.407    6.37
 89)  m,p-xylene
      0.523 0.499 0.512 0.493 0.482 0.463 0.528 0.533 0.471 0.555  0.506    5.84
 90)  o-xylene
      0.432 0.481 0.469 0.485 0.415 0.465 0.474 0.500 0.471 0.399  0.459    7.10
 91)  styrene
      0.766 0.824 0.787 0.796 0.716 0.780 0.767 0.856 0.782 0.857  0.793    5.42
 92)  bromoform
      0.251 0.251 0.283 0.265 0.243 0.285 0.253 0.287 0.249 0.284  0.265    6.76
 93)  butyl acrylate
      0.447 0.490 0.535 0.498 0.472 0.518 0.473 0.509 0.469        0.490    5.64
 94)  isopropylbenzene
      1.247 1.149 1.272 1.146 1.071 1.252 1.301 1.301 1.149 1.303  1.219    6.81
 95)  cis-1,4-dichloro-2-butene
      0.143       0.153 0.136 0.126 0.143 0.122 0.128 0.132        0.136    7.76

 96) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 97)  4-bromofluorobenzene (s)
      0.922 0.918 0.901 0.895 0.883 0.873 0.958 0.947 0.899 0.910  0.910    2.92
 98)  bromobenzene
      0.646 0.734 0.694 0.630 0.642 0.673 0.790 0.794 0.694        0.700    8.76
 99)  1,1,2,2-tetrachloroethane
      0.491 0.374 0.483 0.463 0.477 0.500 0.505 0.538 0.475 0.477  0.478    8.82
100)  trans-1,4-dichloro-2-butene
      0.177       0.180 0.169 0.171 0.176 0.181 0.222 0.176        0.182    9.34
101)  1,2,3-trichloropropane
      0.092       0.122 0.114 0.113 0.116 0.127 0.121 0.116        0.115    9.10
102)  n-propylbenzene
      2.821 3.168 2.889 2.679 2.634 2.800 3.179 3.497 2.888 3.358  2.991    9.77
103)  2-chlorotoluene
      0.537 0.587 0.596 0.536 0.556 0.564 0.609 0.619 0.549        0.572    5.43
104)  4-chlorotoluene
      1.933 2.003 1.815 1.709 1.727 1.810 1.965 2.066 1.749 2.316  1.909    9.88
105)  1,3,5-trimethylbenzene
      2.002 2.203 2.206 1.901 2.011 2.071 2.254 2.291 1.997 2.148  2.108    6.17
106)  tert-butylbenzene
                  0.319 0.325 0.297 0.305 0.342 0.333 0.291        0.316    6.02
107)  1,2,4-trimethylbenzene
      2.043 2.242 2.221 1.979 1.935 2.102 2.195 2.243 2.012 2.446  2.142    7.28
108)  sec-butylbenzene
      2.639 2.902 2.722 2.394 2.280 2.505 2.655 2.939 2.467        2.612    8.53
109)  1,3-dichlorobenzene
      1.364 1.316 1.287 1.225 1.214 1.250 1.419 1.432 1.219 1.507  1.323    7.79
110)  p-isopropyltoluene
      2.341 2.464 2.429 2.259 2.146 2.217 2.363 2.518 2.165 2.898  2.380    9.30
111)  1,2,3-trimethylbenzene
      2.134 2.109 2.182 1.933 1.929 2.058 2.069 2.243 1.943 2.187  2.079    5.45
112)  1,4-dichlorobenzene
      1.258 1.329 1.310 1.208 1.185 1.233 1.332 1.460 1.246        1.285    6.52
113)  benzyl chloride
```

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICC8512
Lab FileID: 1C196430.D

```
       1.158 1.223 1.135 1.031 0.966 1.045 1.184 1.233 1.057        1.115    8.39
114)  1,2-dichlorobenzene
       1.227 1.238 1.268 1.193 1.109 1.196 1.293 1.350 1.189 1.464  1.253    7.90
115)  n-butylbenzene
       1.149 1.336 1.259 1.188 1.104 1.154 1.191 1.252 1.095        1.192    6.58
116)  1,2-dibromo-3-chloropropane
                0.134 0.120 0.113 0.120 0.117 0.159 0.110        0.125   13.58
117)  1,3,5-trichlorobenzene
       1.201 1.406 1.194 1.132 1.098 1.105 1.204 1.266 1.149        1.195    8.01
118)  1,2,4-trichlorobenzene
       0.932       0.919 0.890 0.866 0.839 1.018 1.047 0.920        0.929    7.71
119)  hexachlorobutadiene
       0.770 0.844 0.783 0.745 0.718 0.678 0.746 0.882 0.740        0.767    8.19
120)  naphthalene
       1.443 1.675 1.550 1.492 1.473 1.368 1.627 1.655 1.541        1.536    6.70
121)  1,2,3-trichlorobenzene
       0.808 0.893 0.853 0.828 0.804 0.784 0.907 0.926 0.877        0.853    5.90
122)  hexachloroethane
       0.508 0.541 0.635 0.564 0.526 0.586 0.550 0.577 0.529        0.557    6.90
123)  2-methylnaphthalene
       1.268       1.044 0.962 1.003 0.912 1.162 1.109 1.012        1.059   10.89

124)     pentafluorobenzene(a) ----------------ISTD---------------------
125)  vinyl bromide
                0.330 0.305 0.300 0.305 0.310 0.299 0.305        0.308    3.38

126)     1,4-dichlorobenzene-d ----------------ISTD---------------------
127)  pentachloroethane
                                                                 0.000#  -1.00
 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M1C8512.M         Fri Dec 22 13:47:59 2023
```

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196435.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V1C8512\1C196435.D Vial: 14
Acq On : 26 Sep 2023 3:05 am Operator: PrashanS
Sample : ICV8512-50 Inst : GCMS1C
Misc : MS73180,V1C8512,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C8512.M (RTE Integrator)
Title : SW846 8260C/D, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 29 14:01:41 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	103	-0.01	7.04
2	M	tertiary butyl alcohol	1.172	1.124	4.1	106	0.00	7.16
3		ethanol	0.106	0.113	-6.6	113	0.00	5.82
4	M	1,4-dioxane	0.094	0.101	-7.4	110	0.00	10.95
5	I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	9.30
6	M	dichlorodifluoromethane	0.779	0.602	22.7	85	0.00	3.64
7		chlorodifluoromethane		----------NA----------				
8	M	chloromethane	0.627	0.545	13.1	98	0.00	4.04
9	M	vinyl chloride	0.517	0.520	-0.6	109	0.00	4.26
10		1,3-butadiene	0.368	0.345	6.3	101	0.00	4.33
11	M	bromomethane	0.274	0.290	-5.8	117	0.01	4.92
12	M	chloroethane	0.248	0.248	0.0	108	0.00	5.09
13	M	trichlorofluoromethane	0.871	0.845	3.0	101	0.00	5.52
14	M	ethyl ether	0.162	0.167	-3.1	107	0.00	5.96
15	M	acrolein	0.044	0.055	-25.0	135	0.00	6.22
16		freon 113	0.359	0.368	-2.5	107	0.00	6.31
17	M	1,1-dichloroethene	0.357	0.373	-4.5	118	0.00	6.37
18	M	acetone	0.026	0.029	-11.5	110	0.00	6.43
19	M	acetonitrile		----------NA----------				
20	M	iodomethane	0.570	0.550	3.5	100	0.00	6.65
21	M	carbon disulfide	1.339	1.349	-0.7	114	0.00	6.77
22	M	methylene chloride	0.392	0.385	1.8	111	0.00	7.10
23	M	methyl acetate	0.041	0.047	-14.6	129	0.00	6.90
24	M	methyl tert butyl ether	0.993	1.036	-4.3	109	0.00	7.41
25	M	trans-1,2-dichloroethene	0.407	0.402	1.2	108	0.00	7.47
26	M	di-isopropyl ether	1.461	1.428	2.3	105	0.00	8.00
27	M	2-butanone	0.029	0.032	-10.3	116	0.00	8.74
28	M	1,1-dichloroethane	0.823	0.829	-0.7	106	0.00	8.04
29	M	chloroprene	0.743	0.753	-1.3	106	0.00	8.14
30	M	acrylonitrile		----------NA----------				
31		hexane	0.766	0.706	7.8	104	0.00	7.76
32	M	vinyl acetate	0.036	0.032	11.1	92	0.00	8.03
33	M	ethyl tert-butyl ether	1.304	1.351	-3.6	108	0.00	8.47
34	M	ethyl acetate	0.047	0.050	-6.4	111	0.00	8.76
35	M	2,2-dichloropropane	0.743	0.719	3.2	108	0.00	8.77
36	M	cis-1,2-dichloroethene	0.460	0.436	5.2	110	0.00	8.78
37		methyl acrylate	0.043	0.046	-7.0	108	0.00	8.84
38	M	propionitrile	0.046	0.046	0.0	103	0.00	8.85
39	M	bromochloromethane	0.184	0.189	-2.7	104	0.00	9.09
40	M	tetrahydrofuran	0.108	0.114	-5.6	118	0.00	9.13
41	M	chloroform	0.588	0.564	4.1	111	0.00	9.15

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196435.D

42	M	t-butyl formate	0.151	0.251	-66.2#	186	0.00	9.16
43	S	dibromofluoromethane (s)	0.563	0.561	0.4	103	0.00	9.35
44	M	methacrylonitrile	0.118	0.124	-5.1	106	0.00	9.03
45	M	1,1,1-trichloroethane	0.820	0.761	7.2	99	0.00	9.39
46		cyclohexane	0.530	0.551	-4.0	114	0.00	9.45
47		1,1-dichloropropene	0.609	0.612	-0.5	110	0.00	9.57
48		iso-butyl alcohol	0.014	0.014	0.0	113	0.00	9.59
49		carbon tetrachloride	0.754	0.774	-2.7	109	0.00	9.59
50		tert amyl alcohol	0.015	0.014	6.7	110	0.00	9.70
51	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	10.21
52	S	1,2-dichloroethane-d4 (s)	0.368	0.363	1.4	107	0.00	9.77
53	M	n-butyl alcohol	0.006	0.006#	0.0	109	0.00	10.35
54		2,2,4-trimethylpentane	1.103	1.048	5.0	113	0.00	9.82
55	M	benzene	0.962	0.937	2.6	117	0.00	9.84
56	M	tert-amyl methyl ether	0.149	0.149	0.0	109	0.00	9.86
57	M	heptane	0.193	0.204	-5.7	114	0.00	9.99
58	M	isopropyl acetate	0.030	0.033	-10.0	116	0.00	9.76
59	M	1,2-dichloroethane	0.399	0.373	6.5	109	0.00	9.86
60	M	trichloroethene	0.271	0.269	0.7	109	0.00	10.55
61		ethyl acrylate	0.268	0.254	5.2	103	0.00	10.56
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether	0.107	0.137	-28.0	140	0.00	11.36
64	M	methyl methacrylate	0.042	0.045	-7.1	111	0.00	10.83
65	M	1,2-dichloropropane	0.264	0.256	3.0	107	0.00	10.83
66	M	dibromomethane	0.149	0.149	0.0	105	0.00	10.99
67	M	methylcyclohexane	0.415	0.390	6.0	108	0.00	10.76
68	M	bromodichloromethane	0.380	0.363	4.5	110	0.00	11.12
69		epichlorohydrin	0.019	0.018	5.3	103	0.00	11.49
70	M	cis-1,3-dichloropropene	0.397	0.358	9.8	101	0.00	11.58
71	M	4-methyl-2-pentanone	0.068	0.066	2.9	108	0.00	11.67
72	M	3-methyl-1-butanol	0.009	0.009#	0.0	105	0.00	11.70
73	I	chlorobenzene-d5	1.000	1.000	0.0	108	0.00	13.38
74	S	toluene-d8 (s)	1.435	1.397	2.6	104	0.00	11.87
75		toluene	0.773	0.751	2.8	105	0.00	11.94
76		trans-1,3-dichloropropene	0.500	0.456	8.8	100	0.00	12.15
77		ethyl methacrylate	0.289	0.258	10.7	96	0.00	12.13
78		1,1,2-trichloroethane	0.211	0.203	3.8	102	0.00	12.36
79	M	tetrachloroethene		----------NA----------				
80	M	1,3-dichloropropane	0.360	0.355	1.4	109	0.00	12.55
81		2-hexanone	0.083	0.080	3.6	103	0.00	12.53
82	M	butyl acetate	0.147	0.148	-0.7	116	0.00	12.60
83	M	dibromochloromethane	0.362	0.362	0.0	106	0.00	12.81
84	M	1,2-dibromoethane	0.257	0.256	0.4	104	0.00	12.95
85		n-butyl ether	1.191	1.180	0.9	110	0.00	13.32
86	M	chlorobenzene	0.824	0.764	7.3	106	0.00	13.41
87	M	1,1,1,2-tetrachloroethane	0.326	0.326	0.0	112	0.00	13.47
88	M	ethylbenzene	1.407	1.327	5.7	112	0.00	13.47
89	M	m,p-xylene	0.506	0.478	5.5	104	0.00	13.57
90	M	o-xylene	0.459	0.435	5.2	96	0.00	13.99
91	M	styrene	0.793	0.700	11.7	95	0.00	14.00
92	M	bromoform	0.265	0.260	1.9	106	0.00	14.28
93		butyl acrylate	0.490	0.461	5.9	100	0.00	13.82
94		isopropylbenzene	1.219	1.148	5.8	108	0.00	14.33
95		cis-1,4-dichloro-2-butene	0.136	0.118	13.2	94	0.00	14.41
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	15.71
97	S	4-bromofluorobenzene (s)	0.910	0.892	2.0	103	0.00	14.54
98	M	bromobenzene	0.700	0.664	5.1	109	0.00	14.73

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196435.D

99	M	1,1,2,2-tetrachloroethane	0.478	0.472	1.3	106	0.00	14.65
100	M	trans-1,4-dichloro-2-bute	0.182	0.173	4.9	106	0.00	14.69
101	M	1,2,3-trichloropropane	0.115	0.119	-3.5	108	0.00	14.72
102	M	n-propylbenzene	2.991	2.750	8.1	106	0.00	14.74
103	M	2-chlorotoluene	0.572	0.543	5.1	105	0.00	14.89
104	M	4-chlorotoluene	1.909	1.723	9.7	104	0.00	14.99
105	M	1,3,5-trimethylbenzene	2.108	1.962	6.9	107	0.00	14.89
106	M	tert-butylbenzene	0.316	0.303	4.1	96	0.00	15.24
107	M	1,2,4-trimethylbenzene	2.142	1.955	8.7	102	0.00	15.28
108	M	sec-butylbenzene	2.612	2.547	2.5	110	0.00	15.45
109	M	1,3-dichlorobenzene	1.323	1.239	6.3	105	0.00	15.65
110	M	p-isopropyltoluene	2.380	2.235	6.1	103	0.00	15.57
111		1,2,3-trimethylbenzene		----------NA----------				
112	M	1,4-dichlorobenzene	1.285	1.195	7.0	102	0.00	15.73
113		benzyl chloride	1.115	1.019	8.6	102	0.00	15.85
114	M	1,2-dichlorobenzene	1.253	1.198	4.4	104	0.00	16.13
115	M	n-butylbenzene	1.192	1.201	-0.8	105	0.00	15.99
116	M	1,2-dibromo-3-chloropropa	0.125	0.125	0.0	108	0.00	16.92
117		1,3,5-trichlorobenzene	1.195	1.193	0.2	109	0.00	17.10
118	M	1,2,4-trichlorobenzene	0.929	0.877	5.6	102	0.00	17.68
119	M	hexachlorobutadiene	0.767	0.743	3.1	103	0.00	17.78
120	M	naphthalene	1.536	1.411	8.1	98	0.00	17.93
121	M	1,2,3-trichlorobenzene	0.853	0.838	1.8	105	0.00	18.14
122	m	hexachloroethane	0.557	0.560	-0.5	103	0.00	16.39
123		2-methylnaphthalene	1.059	0.951	10.2	102	0.00	18.90
124		pentafluorobenzene(a)	1.000	1.000	0.0	107	0.00	9.30
125		vinyl bromide		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	104	0.00	15.71
127		pentachloroethane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1C196430.D M1C8512.M Fri Sep 29 18:00:13 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196436.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\V1C8512\1C196436.D Vial: 15
Acq On : 26 Sep 2023 3:31 am Operator: PrashanS
Sample : ICV8512-50 Inst : GCMS1C
Misc : MS73180,V1C8512,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C8512.M (RTE Integrator)
Title : SW846 8260C/D, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 29 14:01:41 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	97	-0.02	7.04
2	M	tertiary butyl alcohol		----------	NA	----------		
3		ethanol		----------	NA	----------		
4	M	1,4-dioxane		----------	NA	----------		
5	I	pentafluorobenzene	1.000	1.000	0.0	112	0.00	9.30
6	M	dichlorodifluoromethane		----------	NA	----------		
7		chlorodifluoromethane	0.745	0.775	-4.0	115	0.00	3.68
8	M	chloromethane		----------	NA	----------		
9	M	vinyl chloride		----------	NA	----------		
10		1,3-butadiene		----------	NA	----------		
11	M	bromomethane		----------	NA	----------		
12	M	chloroethane		----------	NA	----------		
13	M	trichlorofluoromethane		----------	NA	----------		
14	M	ethyl ether		----------	NA	----------		
15	M	acrolein		----------	NA	----------		
16		freon 113		----------	NA	----------		
17	M	1,1-dichloroethene		----------	NA	----------		
18	M	acetone		----------	NA	----------		
19	M	acetonitrile	0.040	0.039	2.5	111	0.00	6.88
20	M	iodomethane		----------	NA	----------		
21	M	carbon disulfide		----------	NA	----------		
22	M	methylene chloride		----------	NA	----------		
23	M	methyl acetate		----------	NA	----------		
24	M	methyl tert butyl ether		----------	NA	----------		
25	M	trans-1,2-dichloroethene		----------	NA	----------		
26	M	di-isopropyl ether		----------	NA	----------		
27	M	2-butanone		----------	NA	----------		
28	M	1,1-dichloroethane		----------	NA	----------		
29	M	chloroprene		----------	NA	----------		
30	M	acrylonitrile	0.110	0.119	-8.2	114	0.00	7.44
31		hexane		----------	NA	----------		
32	M	vinyl acetate		----------	NA	----------		
33	M	ethyl tert-butyl ether		----------	NA	----------		
34	M	ethyl acetate		----------	NA	----------		
35	M	2,2-dichloropropane		----------	NA	----------		
36	M	cis-1,2-dichloroethene		----------	NA	----------		
37		methyl acrylate		----------	NA	----------		
38	M	propionitrile		----------	NA	----------		
39	M	bromochloromethane		----------	NA	----------		
40	M	tetrahydrofuran		----------	NA	----------		
41	M	chloroform		----------	NA	----------		

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196436.D

42	M	t-butyl formate			----------NA----------				
43	S	dibromofluoromethane (s)	0.563	0.563	0.0	109	0.00	9.35	
44	M	methacrylonitrile			----------NA----------				
45	M	1,1,1-trichloroethane			----------NA----------				
46		cyclohexane			----------NA----------				
47		1,1-dichloropropene			----------NA----------				
48		iso-butyl alcohol			----------NA----------				
49		carbon tetrachloride			----------NA----------				
50		tert amyl alcohol			----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	10.21	
52	S	1,2-dichloroethane-d4 (s)	0.368	0.347	5.7	103	0.00	9.77	
53	M	n-butyl alcohol			----------NA----------				
54		2,2,4-trimethylpentane			----------NA----------				
55	M	benzene			----------NA----------				
56	M	tert-amyl methyl ether			----------NA----------				
57	M	heptane			----------NA----------				
58	M	isopropyl acetate			----------NA----------				
59	M	1,2-dichloroethane			----------NA----------				
60	M	trichloroethene			----------NA----------				
61		ethyl acrylate			----------NA----------				
62	M	2-nitropropane			----------NA----------				
63	M	2-chloroethyl vinyl ether			----------NA----------				
64	M	methyl methacrylate			----------NA----------				
65	M	1,2-dichloropropane			----------NA----------				
66	M	dibromomethane			----------NA----------				
67	M	methylcyclohexane			----------NA----------				
68	M	bromodichloromethane			----------NA----------				
69		epichlorohydrin			----------NA----------				
70	M	cis-1,3-dichloropropene			----------NA----------				
71	M	4-methyl-2-pentanone			----------NA----------				
72	M	3-methyl-1-butanol			----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	13.38	
74	S	toluene-d8 (s)	1.435	1.474	-2.7	112	0.00	11.87	
75		toluene			----------NA----------				
76		trans-1,3-dichloropropene			----------NA----------				
77		ethyl methacrylate			----------NA----------				
78		1,1,2-trichloroethane			----------NA----------				
79	M	tetrachloroethene	0.321	0.317	1.2	114	0.00	12.53	
80	M	1,3-dichloropropane			----------NA----------				
81		2-hexanone			----------NA----------				
82	M	butyl acetate			----------NA----------				
83	M	dibromochloromethane			----------NA----------				
84	M	1,2-dibromoethane			----------NA----------				
85		n-butyl ether			----------NA----------				
86	M	chlorobenzene			----------NA----------				
87	M	1,1,1,2-tetrachloroethane			----------NA----------				
88	M	ethylbenzene			----------NA----------				
89	M	m,p-xylene			----------NA----------				
90	M	o-xylene			----------NA----------				
91	M	styrene			----------NA----------				
92	M	bromoform			----------NA----------				
93		butyl acrylate			----------NA----------				
94		isopropylbenzene			----------NA----------				
95		cis-1,4-dichloro-2-butene			----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.71	
97	S	4-bromofluorobenzene (s)	0.910	0.937	-3.0	110	0.00	14.54	
98	M	bromobenzene			----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8512-ICV8512
Lab FileID: 1C196436.D

99	M	1,1,2,2-tetrachloroethane		----------NA----------				
100	M	trans-1,4-dichloro-2-bute		----------NA----------				
101	M	1,2,3-trichloropropane		----------NA----------				
102	M	n-propylbenzene		----------NA----------				
103	M	2-chlorotoluene		----------NA----------				
104	M	4-chlorotoluene		----------NA----------				
105	M	1,3,5-trimethylbenzene		----------NA----------				
106	M	tert-butylbenzene		----------NA----------				
107	M	1,2,4-trimethylbenzene		----------NA----------				
108	M	sec-butylbenzene		----------NA----------				
109	M	1,3-dichlorobenzene		----------NA----------				
110	M	p-isopropyltoluene		----------NA----------				
111		1,2,3-trimethylbenzene	2.079	2.084	-0.2	113	0.00	15.73
112	M	1,4-dichlorobenzene		----------NA----------				
113		benzyl chloride		----------NA----------				
114	M	1,2-dichlorobenzene		----------NA----------				
115	M	n-butylbenzene		----------NA----------				
116	M	1,2-dibromo-3-chloropropa		----------NA----------				
117		1,3,5-trichlorobenzene		----------NA----------				
118	M	1,2,4-trichlorobenzene		----------NA----------				
119	M	hexachlorobutadiene		----------NA----------				
120	M	naphthalene		----------NA----------				
121	M	1,2,3-trichlorobenzene		----------NA----------				
122	m	hexachloroethane		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	112	0.00	9.30
125		vinyl bromide		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	105	0.00	15.71
127		pentachloroethane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1C196430.D M1C8512.M Fri Sep 29 18:00:15 2023

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197929.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...23\V1C8572\1C197929.D Vial: 5
Acq On : 15 Dec 2023 12:27 pm Operator: PrashanS
Sample : CC8512-50 Inst : GCMS1C
Misc : MS76061,V1C8572,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C8512.M (RTE Integrator)
Title : SW846 8260C/D, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 29 14:01:41 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	80	-0.03	7.03
2	M	tertiary butyl alcohol	1.172	1.389	-18.5	101	-0.01	7.15
3		ethanol	0.106	0.168	-58.5#	130	-0.02	5.80
4	M	1,4-dioxane	0.094	0.132	-40.4#	111	0.00	10.94
5	I	pentafluorobenzene	1.000	1.000	0.0	122	0.00	9.29
6	M	dichlorodifluoromethane	0.779	0.622	20.2#	101	0.00	3.64
7		chlorodifluoromethane	0.745	0.535	28.2#	87	0.00	3.67
8	M	chloromethane	0.627	0.608	3.0	125	0.00	4.04
9	M	vinyl chloride	0.517	0.518	-0.2	124	0.00	4.26
10		1,3-butadiene	0.368	0.298	19.0	100	0.00	4.33
11	M	bromomethane	0.274	0.284	-3.6	131	0.00	4.91
12	M	chloroethane	0.248	0.267	-7.7	133	0.00	5.08
13	M	trichlorofluoromethane	0.871	0.862	1.0	118	0.00	5.51
14	M	ethyl ether	0.162	0.152	6.2	112	0.00	5.95
15	M	acrolein	0.044	0.037	15.9	103	0.00	6.22
16		freon 113	0.359	0.340	5.3	113	0.00	6.31
17	M	1,1-dichloroethene	0.357	0.330	7.6	120	0.00	6.36
18	M	acetone	0.026	0.024	7.7	105	-0.01	6.42
19	M	acetonitrile	0.040	0.038	5.0	120	-0.01	6.87
20	M	iodomethane	0.570	0.530	7.0	110	0.00	6.64
21	M	carbon disulfide	1.339	1.188	11.3	115	-0.01	6.76
22	M	methylene chloride	0.392	0.364	7.1	120	-0.01	7.09
23	M	methyl acetate	0.041	0.040	2.4	123	0.00	6.88
24	M	methyl tert butyl ether	0.993	0.923	7.0	111	0.00	7.39
25	M	trans-1,2-dichloroethene	0.407	0.385	5.4	118	0.00	7.46
26	M	di-isopropyl ether	1.461	1.432	2.0	121	-0.01	7.99
27	M	2-butanone	0.029	0.029	0.0	118	0.00	8.74
28	M	1,1-dichloroethane	0.823	0.783	4.9	114	-0.01	8.03
29	M	chloroprene	0.743	0.769	-3.5	124	0.00	8.14
30	M	acrylonitrile	0.110	0.122	-10.9	128	0.00	7.43
31		hexane	0.766	0.721	5.9	122	0.00	7.75
32	M	vinyl acetate	0.036	0.039	-8.3	130	0.00	8.02
33	M	ethyl tert-butyl ether	1.304	1.305	-0.1	120	0.00	8.46
34	M	ethyl acetate	0.047	0.047	0.0	120	-0.01	8.75
35	M	2,2-dichloropropane	0.743	0.710	4.4	122	0.00	8.76
36	M	cis-1,2-dichloroethene	0.460	0.431	6.3	124	0.00	8.77
37		methyl acrylate	0.043	0.042	2.3	113	0.00	8.83
38	M	propionitrile	0.046	0.042	8.7	108	-0.01	8.84
39	M	bromochloromethane	0.184	0.190	-3.3	120	0.00	9.08
40	M	tetrahydrofuran	0.108	0.099	8.3	118	0.00	9.13
41	M	chloroform	0.588	0.531	9.7	120	0.00	9.14

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197929.D

42	M	t-butyl formate	0.151	0.145	4.0	123	0.00	9.16
43	S	dibromofluoromethane (s)	0.563	0.487	13.5	103	0.00	9.34
44	M	methacrylonitrile	0.118	0.109	7.6	106	0.00	9.03
45	M	1,1,1-trichloroethane	0.820	0.789	3.8	118	0.00	9.38
46		cyclohexane	0.530	0.529	0.2	125	-0.01	9.44
47		1,1-dichloropropene	0.609	0.600	1.5	123	0.00	9.57
48		iso-butyl alcohol	0.014	0.013	7.1	122	0.00	9.59
49		carbon tetrachloride	0.754	0.733	2.8	118	-0.01	9.58
50		tert amyl alcohol	0.015	0.012	20.0	105	0.00	9.70
51	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.21
52	S	1,2-dichloroethane-d4 (s)	0.368	0.337	8.4	99	0.00	9.76
53	M	n-butyl alcohol	0.006	0.006#	0.0	108	-0.01	10.34
54		2,2,4-trimethylpentane	1.103	1.141	-3.4	122	0.00	9.81
55	M	benzene	0.962	1.015	-5.5	126	-0.01	9.83
56	M	tert-amyl methyl ether	0.149	0.154	-3.4	112	-0.01	9.85
57	M	heptane	0.193	0.214	-10.9	119	0.00	9.99
58	M	isopropyl acetate	0.030	0.030	0.0	105	-0.01	9.75
59	M	1,2-dichloroethane	0.399	0.390	2.3	113	0.00	9.85
60	M	trichloroethene	0.271	0.291	-7.4	117	0.00	10.55
61		ethyl acrylate	0.268	0.260	3.0	105	0.00	10.56
62	M	2-nitropropane		----------NA----------				
63	M	2-chloroethyl vinyl ether	0.107	0.111	-3.7	112	0.00	11.35
64	M	methyl methacrylate	0.042	0.043	-2.4	106	0.00	10.83
65	M	1,2-dichloropropane	0.264	0.286	-8.3	118	0.00	10.82
66	M	dibromomethane	0.149	0.156	-4.7	109	-0.01	10.98
67	M	methylcyclohexane	0.415	0.436	-5.1	120	0.00	10.76
68	M	bromodichloromethane	0.380	0.400	-5.3	120	0.00	11.12
69		epichlorohydrin	0.019	0.020	-5.3	113	0.00	11.49
70	M	cis-1,3-dichloropropene	0.397	0.434	-9.3	121	0.00	11.57
71	M	4-methyl-2-pentanone	0.068	0.066	2.9	108	0.00	11.67
72	M	3-methyl-1-butanol	0.009	0.008#	11.1	102	0.00	11.69
73	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	13.38
74	S	toluene-d8 (s)	1.435	1.482	-3.3	108	0.00	11.86
75		toluene	0.773	0.873	-12.9	120	0.00	11.93
76		trans-1,3-dichloropropene	0.500	0.536	-7.2	116	0.00	12.14
77		ethyl methacrylate	0.289	0.294	-1.7	107	0.00	12.13
78		1,1,2-trichloroethane	0.211	0.237	-12.3	117	0.00	12.36
79	M	tetrachloroethene	0.321	0.350	-9.0	122	0.00	12.52
80	M	1,3-dichloropropane	0.360	0.389	-8.1	117	-0.01	12.54
81		2-hexanone	0.083	0.086	-3.6	109	0.00	12.53
82	M	butyl acetate	0.147	0.143	2.7	110	0.00	12.60
83	M	dibromochloromethane	0.362	0.400	-10.5	115	0.00	12.80
84	M	1,2-dibromoethane	0.257	0.280	-8.9	112	0.00	12.95
85		n-butyl ether	1.191	1.357	-13.9	125	0.00	13.32
86	M	chlorobenzene	0.824	0.871	-5.7	118	0.00	13.41
87	M	1,1,1,2-tetrachloroethane	0.326	0.364	-11.7	123	0.00	13.47
88	M	ethylbenzene	1.407	1.576	-12.0	130	0.00	13.46
89	M	m,p-xylene	0.506	0.552	-9.1	118	0.00	13.57
90	M	o-xylene	0.459	0.532	-15.9	116	0.00	13.99
91	M	styrene	0.793	0.858	-8.2	114	0.00	14.00
92	M	bromoform	0.265	0.264	0.4	105	0.00	14.27
93		butyl acrylate	0.490	0.485	1.0	103	0.00	13.82
94		isopropylbenzene	1.219	1.366	-12.1	126	0.00	14.33
95		cis-1,4-dichloro-2-butene	0.136	0.132	2.9	103	0.00	14.41
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	15.70
97	S	4-bromofluorobenzene (s)	0.910	0.871	4.3	102	0.00	14.54
98	M	bromobenzene	0.700	0.741	-5.9	123	0.00	14.73

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197929.D

99	M	1,1,2,2-tetrachloroethane	0.478	0.522	-9.2	118	0.00	14.65
100	M	trans-1,4-dichloro-2-bute	0.182	0.182	0.0	113	0.00	14.69
101	M	1,2,3-trichloropropane	0.115	0.118	-2.6	108	0.00	14.72
102	M	n-propylbenzene	2.991	3.119	-4.3	122	0.00	14.74
103	M	2-chlorotoluene	0.572	0.580	-1.4	113	0.00	14.89
104	M	4-chlorotoluene	1.909	1.880	1.5	115	0.00	14.98
105	M	1,3,5-trimethylbenzene	2.108	2.124	-0.8	117	0.00	14.89
106	M	tert-butylbenzene	0.316	0.350	-10.8	113	0.00	15.24
107	M	1,2,4-trimethylbenzene	2.142	2.091	2.4	111	0.00	15.28
108	M	sec-butylbenzene	2.612	2.724	-4.3	119	0.00	15.45
109	M	1,3-dichlorobenzene	1.323	1.297	2.0	111	0.00	15.64
110	M	p-isopropyltoluene	2.380	2.330	2.1	108	0.00	15.57
111		1,2,3-trimethylbenzene	2.079	2.200	-5.8	119	0.00	15.73
112	M	1,4-dichlorobenzene	1.285	1.346	-4.7	117	0.00	15.73
113		benzyl chloride	1.115	1.122	-0.6	114	0.00	15.85
114	M	1,2-dichlorobenzene	1.253	1.289	-2.9	113	0.00	16.13
115	M	n-butylbenzene	1.192	1.193	-0.1	105	0.00	15.99
116	M	1,2-dibromo-3-chloropropa	0.125	0.117	6.4	102	0.00	16.92
117		1,3,5-trichlorobenzene	1.195	1.212	-1.4	112	0.00	17.10
118	M	1,2,4-trichlorobenzene	0.929	0.978	-5.3	115	0.00	17.68
119	M	hexachlorobutadiene	0.767	0.742	3.3	104	0.00	17.78
120	M	naphthalene	1.536	1.454	5.3	102	0.00	17.93
121	M	1,2,3-trichlorobenzene	0.853	0.802	6.0	101	0.00	18.14
122	m	hexachloroethane	0.557	0.599	-7.5	111	0.00	16.39
123		2-methylnaphthalene	1.059	0.942	11.0	103	0.00	18.90
124		pentafluorobenzene(a)	1.000	1.000	0.0	122	0.00	9.29
125		vinyl bromide		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	105	0.00	15.70
127		pentachloroethane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
1C196430.D M1C8512.M Sun Dec 17 10:58:26 2023

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197930.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\l...23\V1C8572\1C197930.D Vial: 2
Acq On : 15 Dec 2023 1:07 pm Operator: PrashanS
Sample : CC8512-4 Inst : GCMS1C
Misc : MS76061,V1C8572,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\M1C8512.M (RTE Integrator)
Title : SW846 8260C/D, DB-624 60 m x 0.25 mm x 1.4 um
Last Update : Fri Sep 29 14:01:41 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		tert butyl alcohol-d9	1.000	1.000	0.0	100	-0.02	7.03
2	M	tertiary butyl alcohol		----------NA----------				
3		ethanol		----------NA----------				
4	M	1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	121	0.00	9.29
6	M	dichlorodifluoromethane	0.779	0.530	32.0	84	0.00	3.64
7		chlorodifluoromethane	0.745	0.731	1.9	119	0.00	3.67
8	M	chloromethane		----------NA----------				
9	M	vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11	M	bromomethane		----------NA----------				
12	M	chloroethane		----------NA----------				
13	M	trichlorofluoromethane		----------NA----------				
14	M	ethyl ether		----------NA----------				
15	M	acrolein		----------NA----------				
16		freon 113		----------NA----------				
17	M	1,1-dichloroethene		----------NA----------				
18	M	acetone		----------NA----------				
19	M	acetonitrile		----------NA----------				
20	M	iodomethane		----------NA----------				
21	M	carbon disulfide		----------NA----------				
22	M	methylene chloride		----------NA----------				
23	M	methyl acetate		----------NA----------				
24	M	methyl tert butyl ether		----------NA----------				
25	M	trans-1,2-dichloroethene		----------NA----------				
26	M	di-isopropyl ether		----------NA----------				
27	M	2-butanone		----------NA----------				
28	M	1,1-dichloroethane		----------NA----------				
29	M	chloroprene		----------NA----------				
30	M	acrylonitrile		----------NA----------				
31		hexane		----------NA----------				
32	M	vinyl acetate		----------NA----------				
33	M	ethyl tert-butyl ether		----------NA----------				
34	M	ethyl acetate		----------NA----------				
35	M	2,2-dichloropropane		----------NA----------				
36	M	cis-1,2-dichloroethene		----------NA----------				
37		methyl acrylate		----------NA----------				
38	M	propionitrile		----------NA----------				
39	M	bromochloromethane		----------NA----------				
40	M	tetrahydrofuran		----------NA----------				
41	M	chloroform		----------NA----------				

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197930.D

42	M	t-butyl formate			----------NA----------				
43	S	dibromofluoromethane (s)	0.563	0.491	12.8	104	0.00	9.34	
44	M	methacrylonitrile			----------NA----------				
45	M	1,1,1-trichloroethane			----------NA----------				
46		cyclohexane			----------NA----------				
47		1,1-dichloropropene			----------NA----------				
48		iso-butyl alcohol			----------NA----------				
49		carbon tetrachloride			----------NA----------				
50		tert amyl alcohol			----------NA----------				
51	I	1,4-difluorobenzene	1.000	1.000	0.0	102	0.00	10.21	
52	S	1,2-dichloroethane-d4 (s)	0.368	0.350	4.9	97	0.00	9.76	
53	M	n-butyl alcohol			----------NA----------				
54		2,2,4-trimethylpentane			----------NA----------				
55	M	benzene			----------NA----------				
56	M	tert-amyl methyl ether			----------NA----------				
57	M	heptane			----------NA----------				
58	M	isopropyl acetate			----------NA----------				
59	M	1,2-dichloroethane			----------NA----------				
60	M	trichloroethene			----------NA----------				
61		ethyl acrylate			----------NA----------				
62	M	2-nitropropane			----------NA----------				
63	M	2-chloroethyl vinyl ether			----------NA----------				
64	M	methyl methacrylate			----------NA----------				
65	M	1,2-dichloropropane			----------NA----------				
66	M	dibromomethane			----------NA----------				
67	M	methylcyclohexane			----------NA----------				
68	M	bromodichloromethane			----------NA----------				
69		epichlorohydrin			----------NA----------				
70	M	cis-1,3-dichloropropene			----------NA----------				
71	M	4-methyl-2-pentanone			----------NA----------				
72	M	3-methyl-1-butanol			----------NA----------				
73	I	chlorobenzene-d5	1.000	1.000	0.0	109	0.00	13.38	
74	S	toluene-d8 (s)	1.435	1.402	2.3	107	-0.01	11.86	
75		toluene			----------NA----------				
76		trans-1,3-dichloropropene			----------NA----------				
77		ethyl methacrylate			----------NA----------				
78		1,1,2-trichloroethane			----------NA----------				
79	M	tetrachloroethene			----------NA----------				
80	M	1,3-dichloropropane			----------NA----------				
81		2-hexanone			----------NA----------				
82	M	butyl acetate			----------NA----------				
83	M	dibromochloromethane			----------NA----------				
84	M	1,2-dibromoethane			----------NA----------				
85		n-butyl ether			----------NA----------				
86	M	chlorobenzene			----------NA----------				
87	M	1,1,1,2-tetrachloroethane			----------NA----------				
88	M	ethylbenzene			----------NA----------				
89	M	m,p-xylene			----------NA----------				
90	M	o-xylene			----------NA----------				
91	M	styrene			----------NA----------				
92	M	bromoform			----------NA----------				
93		butyl acrylate			----------NA----------				
94		isopropylbenzene			----------NA----------				
95		cis-1,4-dichloro-2-butene			----------NA----------				
96	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	114	0.00	15.70	
97	S	4-bromofluorobenzene (s)	0.910	0.944	-3.7	113	0.00	14.54	
98	M	bromobenzene			----------NA----------				

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V1C8572-CC8512
Lab FileID: 1C197930.D

99	M	1,1,2,2-tetrachloroethane		----------NA----------				
100	M	trans-1,4-dichloro-2-bute		----------NA----------				
101	M	1,2,3-trichloropropane		----------NA----------				
102	M	n-propylbenzene		----------NA----------				
103	M	2-chlorotoluene		----------NA----------				
104	M	4-chlorotoluene		----------NA----------				
105	M	1,3,5-trimethylbenzene		----------NA----------				
106	M	tert-butylbenzene		----------NA----------				
107	M	1,2,4-trimethylbenzene		----------NA----------				
108	M	sec-butylbenzene		----------NA----------				
109	M	1,3-dichlorobenzene		----------NA----------				
110	M	p-isopropyltoluene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112	M	1,4-dichlorobenzene		----------NA----------				
113		benzyl chloride		----------NA----------				
114	M	1,2-dichlorobenzene		----------NA----------				
115	M	n-butylbenzene		----------NA----------				
116	M	1,2-dibromo-3-chloropropa		----------NA----------				
117		1,3,5-trichlorobenzene		----------NA----------				
118	M	1,2,4-trichlorobenzene		----------NA----------				
119	M	hexachlorobutadiene		----------NA----------				
120	M	naphthalene		----------NA----------				
121	M	1,2,3-trichlorobenzene		----------NA----------				
122	m	hexachloroethane		----------NA----------				
123		2-methylnaphthalene		----------NA----------				
124		pentafluorobenzene(a)	1.000	1.000	0.0	121	0.00	9.29
125		vinyl bromide		----------NA----------				
126		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	114	0.00	15.70
127		pentachloroethane		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

1C196427.D M1C8512.M Sun Dec 17 11:02:43 2023

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICC8069
Lab FileID: 3C184629.D

Response Factor Report GCMS3C

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Initial Calibration

Calibration Files
4 =3C184626.D 8 =3C184627.D 0.5 =3C184623.D 50 =3C184629.D
100 =3C184630.D 1 =3C184624.D 200 =3C184631.D 20 =3C184628.D
2 =3C184625.D 0.2 =3C184622.D = =

Compound

	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I	tert butyl alcohol-d9 ----------ISTD----------											
2)	ethanol											
	0.188	0.175		0.105	0.169		0.161	0.167			0.161	17.80
3)	tertiary butyl alcohol *This compound fails initial calibration criteria.*											
	1.083	0.889		0.567	0.910		0.607	0.894			0.825	24.04
	----- Quadratic regression ----- Coefficient = 0.9606											
	Response Ratio = 0.00583 + 0.85016 *A + -0.10972 *A^2											
4)	1,4-dioxane *This compound fails initial calibration criteria.*											
	0.149	0.139		0.078	0.122		0.077	0.124			0.115	26.48
	----- Quadratic regression ----- Coefficient = 0.9590											
	Response Ratio = 0.00587 + 0.11770 *A + -0.00377 *A^2											
5) I	pentafluorobenzene ----------ISTD----------											
6)	dichlorodifluoromethane											
	0.466	0.429	0.396	0.388	0.415	0.439	0.386	0.414	0.446		0.420	6.52
7)	chlorodifluoromethane											
	0.427	0.423		0.365	0.389	0.470	0.368	0.375	0.407		0.403	9.00
8)	chloromethane											
	0.480	0.443		0.374	0.388	0.487	0.369	0.409	0.465		0.427	11.30
9)	1,3-butadiene											
	0.378	0.355	0.378	0.309	0.335	0.324	0.315	0.295	0.288		0.331	10.09
10)	vinyl chloride											
	0.447	0.454	0.394	0.393	0.428	0.458	0.403	0.422	0.445		0.427	6.05
11)	bromomethane											
	0.525	0.489	0.667	0.693	0.775	0.648	0.730	0.482	0.514		0.614	18.27
12)	chloroethane											
	0.354	0.345		0.399	0.489	0.303		0.325	0.303		0.360	18.29
13)	trichlorofluoromethane											
	0.691	0.722	0.725	0.727	0.819	0.700	0.987	0.681	0.724	0.766	0.754	12.06
14)	ethyl ether											
	0.182	0.180	0.217	0.173	0.185	0.192	0.189	0.166	0.179		0.185	7.79
15)	acrolein											
	0.049	0.047		0.040	0.044		0.045	0.041			0.045	7.77
16)	freon 113											
	0.285	0.264	0.314	0.249	0.275	0.303	0.271	0.246	0.260		0.274	8.40
17)	1,1-dichloroethene											
	0.299	0.273	0.247	0.258	0.281	0.270	0.282	0.256	0.260	0.275	0.270	5.72
18)	acetone											
	0.021	0.021		0.019	0.020		0.022	0.019	0.027		0.021	12.25
19)	acetonitrile											
	0.039	0.033		0.030	0.032		0.033	0.031	0.032		0.033	8.20
20)	iodomethane											

0.301 0.331 0.379 0.431 0.433 0.350 0.371 14.47

21) carbon disulfide
1.082 0.994 0.904 0.999 1.000 0.909 1.016 0.986 6.31

22) methylene chloride
0.352 0.339 0.307 0.325 0.390 0.323 0.307 0.421 0.346 11.78

23) methyl acetate
0.040 0.045 0.040 0.040 0.042 0.039 0.041 5.74

24) methyl tert butyl ether
0.896 0.865 0.895 0.807 0.871 0.988 0.902 0.786 0.767 0.796 0.857 7.94

25) trans-1,2-dichloroethene
0.326 0.335 0.352 0.310 0.331 0.375 0.339 0.290 0.292 0.328 8.35

26) hexane
0.595 0.563 0.507 0.548 0.598 0.529 0.517 0.574 0.554 6.21

27) di-isopropyl ether
0.988 0.936 1.060 0.920 1.000 1.018 1.025 0.902 0.916 1.053 0.982 6.02

28) ethyl tert-butyl ether
0.902 0.867 0.918 0.863 0.953 1.011 0.983 0.830 0.806 1.001 0.913 7.91

29) 2-butanone
0.031 0.033 0.030 0.031 0.032 0.029 0.029 0.031 4.97

30) 1,1-dichloroethane
0.576 0.542 0.629 0.527 0.581 0.681 0.597 0.528 0.528 0.576 9.17

31) chloroprene
0.468 0.460 0.437 0.504 0.460 0.518 0.425 0.423 0.462 7.54

32) acrylonitrile
0.085 0.085 0.076 0.082 0.085 0.083 0.083 0.083 3.57

33) vinyl acetate
0.048 0.048 0.050 0.053 0.068 0.044 0.050 0.052 14.75

34) ethyl acetate
0.038 0.041 0.039 0.042 0.042 0.041 0.041 3.83

35) 2,2-dichloropropane
0.412 0.404 0.466 0.416 0.474 0.439 0.491 0.389 0.373 0.429 9.44

36) cis-1,2-dichloroethene
0.385 0.373 0.344 0.374 0.457 0.373 0.342 0.360 0.376 9.58

37) propionitrile
0.039 0.036 0.034 0.036 0.032 0.037 0.032 0.034 0.035 6.72

38) bromochloromethane
0.243 0.223 0.268 0.209 0.223 0.253 0.222 0.205 0.220 0.230 9.12

39) tetrahydrofuran
0.114 0.086 0.089 0.083 0.088 0.097 0.099 0.094 11.40

40) chloroform
0.639 0.609 0.539 0.599 0.600 0.546 0.623 0.594 6.34

41) tert-butyl formate *This compound fails initial calibration criteria.*
0.065 0.054 0.060 0.069 0.080 0.047 0.060 0.062 17.26

42) isobutyl alcohol
0.051 0.048 0.045 0.050 0.049 0.043 0.048 6.68

43) dibromofluoromethane (s)
0.500 0.489 0.493 0.497 0.487 0.498 0.496 0.482 0.495 0.489 0.493 1.16

44) methacrylonitrile
0.107 0.102 0.105 0.112 0.112 0.104 0.118 0.109 5.11

45) 1,1,1-trichloroethane
0.536 0.508 0.568 0.490 0.551 0.606 0.558 0.480 0.478 0.539 0.531 7.88

46) cyclohexane
0.558 0.545 0.564 0.504 0.558 0.495 0.553 0.500 0.512 0.532 5.42

47) 1,1-dichloropropene
0.191 0.171 0.165 0.180 0.175 0.169 0.209 0.180 8.44

48) tert-amyl alcohol
0.021 0.022 0.021 0.025 0.025 0.018 0.022 0.022 11.05

49) carbon tetrachloride
0.456 0.433 0.397 0.459 0.472 0.401 0.453 0.439 6.75

```
50) I   1,4-difluorobenzene   ----------------ISTD---------------------
51)  1,2-dichloroethane-d4 (s)
      0.262 0.268 0.266 0.274 0.278 0.265 0.297 0.272 0.265 0.269  0.272    3.76
52)  2,2,4-trimethylpentane
      0.774 0.766 0.876 0.691 0.792 0.821 0.761 0.696 0.705        0.765    8.02
53)  tert-amyl methyl ether
      0.528 0.533 0.540 0.546 0.627 0.571 0.681 0.511 0.490 0.515  0.554   10.52
54)  n-butyl alcohol
      0.002 0.002       0.003 0.004       0.005 0.003              0.003   34.87
         ----- Quadratic regression -----                Coefficient =  0.9985
              Response Ratio = -0.00717 + 0.00330 *A + 0.00001 *A^2

55)  benzene
      0.779 0.745 0.897 0.718 0.826 0.814 0.853 0.733 0.688 0.882  0.793    9.05
56)  heptane
      0.177 0.164       0.151 0.167 0.183 0.161 0.152 0.153        0.163    7.23
57)  isopropyl acetate
      0.161 0.148       0.158 0.185 0.180 0.196 0.154 0.144        0.166   11.35
58)  1,2-dichloroethane
      0.225 0.230       0.222 0.248 0.274 0.264 0.212 0.234        0.239    8.95
59)  trichloroethene
      0.202 0.198 0.227 0.184 0.211 0.232 0.209 0.190 0.184        0.204    8.59
60)  ethyl acrylate
      0.166 0.158       0.190 0.210 0.190 0.205 0.164 0.150        0.179   12.51
61)  2-nitropropane
            0.036       0.035 0.039       0.039 0.030              0.036   10.56
62)  2-chloroethyl vinyl ether
      0.089 0.091 0.106 0.089 0.099 0.093 0.108 0.088 0.082        0.094    9.15
63)  methyl methacrylate
      0.051 0.043       0.042 0.047       0.049 0.042 0.037        0.044   11.15
64)  1,2-dichloropropane
      0.202 0.183       0.171 0.188 0.173 0.190 0.175 0.178        0.182    5.64
65)  methylcyclohexane
      0.370 0.367 0.372 0.337 0.381 0.406 0.367 0.331 0.347        0.364    6.36
66)  dibromomethane
      0.121 0.115 0.118 0.106 0.116 0.109 0.120 0.105 0.107        0.113    5.48
67)  bromodichloromethane
      0.232 0.238       0.236 0.267 0.243 0.268 0.230 0.229        0.243    6.54
68)  epichlorohydrin
      0.014 0.013       0.013 0.015       0.016 0.013 0.013        0.014    7.42
69)  cis-1,3-dichloropropene
      0.294 0.281       0.291 0.332 0.289 0.336 0.285 0.269        0.297    8.09
70)  4-methyl-2-pentanone
      0.027 0.027 0.030 0.027 0.029 0.023 0.031 0.025 0.023        0.027   10.74
71)  3-methyl-1-butanol
      0.003 0.003       0.004 0.006       0.008 0.003              0.004   45.23
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.00308 + 0.00376 *A + 0.00005 *A^2


72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.365 1.359 1.360 1.361 1.354 1.380 1.345 1.368 1.357 1.371  1.362    0.71
74)  toluene
      0.586 0.573 0.642 0.547 0.621 0.612 0.637 0.540 0.597 0.651  0.601    6.50
75)  trans-1,3-dichloropropene
      0.256 0.271 0.256 0.285 0.327 0.269 0.334 0.272 0.223        0.277   12.66
76)  ethyl methacrylate
      0.213 0.208       0.228 0.255 0.224 0.262 0.215 0.174        0.222   12.41
77)  1,1,2-trichloroethane
```

```
      0.166 0.142       0.148 0.161       0.163 0.146 0.154        0.154    5.99
 78)  2-hexanone
      0.062 0.062 0.067 0.062 0.068 0.058 0.072 0.060 0.056        0.063    8.21
 79)  tetrachloroethene
      0.278 0.264 0.310 0.239 0.263 0.261 0.262 0.239 0.238 0.248  0.260    8.45
 80)  1,3-dichloropropane
      0.322 0.303 0.330 0.285 0.310 0.348 0.308 0.286 0.305        0.311    6.55
 81)  butyl acetate
      0.100 0.099       0.101 0.116 0.124 0.122 0.099 0.113        0.109    9.88
 82)  dibromochloromethane
      0.198 0.197 0.258 0.213 0.240 0.208 0.244 0.195 0.189 0.260  0.220   12.45
 83)  1,2-dibromoethane
      0.177 0.182 0.185 0.172 0.190 0.194 0.187 0.171 0.163        0.180    5.61
 84)  n-butyl ether
      0.887 0.888 0.920 0.887 1.068 0.956 1.201 0.868 0.799 0.975  0.945   12.20
 85)  chlorobenzene
      0.680 0.668 0.800 0.622 0.693 0.764 0.701 0.618 0.624        0.686    9.26
 86)  1,1,1,2-tetrachloroethane
      0.200 0.206 0.229 0.214 0.256 0.239 0.280 0.199 0.175 0.230  0.223   13.85
 87)  ethylbenzene
      1.138 1.081 1.257 1.074 1.303 1.212 1.477 1.061 1.086 1.263  1.195   11.17
 88)  m,p-xylene
      0.468 0.449 0.471 0.435 0.522 0.504 0.585 0.421 0.418 0.508  0.478   10.90
 89)  o-xylene
      0.857 0.830 1.003 0.829 0.976 0.884 1.092 0.813 0.789 1.006  0.908   11.37
 90)  styrene
      0.700 0.693 0.660 0.700 0.842 0.722 0.937 0.672 0.636        0.729   13.35
 91)  bromoform
      0.109 0.124       0.129 0.157 0.092       0.119 0.103        0.119   17.78
 92)  butyl acrylate
      0.243 0.270       0.333 0.413             0.298 0.217        0.296   23.83
         ----- Quadratic regression -----                Coefficient =  0.9999
              Response Ratio = -0.00193 + 0.26572 *A + 0.07388 *A^2

 93)  isopropylbenzene
      1.048 1.018 1.206 1.018 1.209 1.120 1.291 0.996 0.990 1.112  1.101    9.53
 94)  cis-1,4-dichloro-2-butene
      0.054 0.062       0.068 0.079       0.087 0.062 0.054        0.067   18.56

 95) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 96)  4-bromofluorobenzene (s)
      0.720 0.702 0.714 0.686 0.680 0.714 0.674 0.703 0.716 0.720  0.703    2.43
 97)  bromobenzene
      0.508 0.490       0.441 0.488 0.525 0.480 0.460 0.496        0.486    5.43
 98)  1,1,2,2-tetrachloroethane
      0.410 0.401 0.471 0.382 0.427 0.443 0.449 0.382 0.388 0.419  0.417    7.24
 99)  trans-1,4-dichloro-2-butene
      0.044 0.052       0.053 0.060       0.063 0.045              0.053   14.58
100)  1,2,3-trichloropropane
      0.130 0.130       0.114 0.124       0.123 0.117 0.134        0.124    5.85
101)  n-propylbenzene
      2.350 2.295 2.505 2.106 2.442 2.531 2.487 2.164 2.196        2.342    6.82
102)  2-chlorotoluene
      0.511 0.464 0.539 0.433 0.480 0.447 0.477 0.442 0.515        0.479    7.63
103)  4-chlorotoluene
      0.534 0.516       0.458 0.526 0.572 0.531 0.475 0.513        0.515    6.89
104)  1,3,5-trimethylbenzene
      1.578 1.553 1.644 1.469 1.714 1.696 1.766 1.498 1.503        1.602    6.67
105)  tert-butylbenzene
      1.534 1.497 1.549 1.399 1.613 1.670 1.629 1.407 1.458 1.477  1.523    6.10
```

Initial Calibration Summary

Job Number: JD78884 **Sample:** V3C8069-ICC8069
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3C184629.D
Project: 99 Franklin Courts, Tarrytown, NY

```
106)  1,2,4-trimethylbenzene
       1.702 1.658 1.664 1.577 1.839 1.760 1.930 1.561 1.527 1.809  1.703    7.71
107)  sec-butylbenzene
       2.307 2.220 2.626 2.063 2.451 2.287 2.446 2.124 2.037 2.517  2.308    8.67
108)  1,3-dichlorobenzene
       1.021 1.002 1.092 0.947 1.144 1.157 1.279 0.951 0.944        1.060   10.99
109)  p-isopropyltoluene
       2.003 1.991 2.051 1.920 2.371 2.070 2.573 1.888 1.875 2.295  2.104   11.06
110)  1,4-dichlorobenzene
       1.103 1.014       0.940 1.093 1.273 1.144 0.960 1.085        1.076    9.94
111)  1,2,3-trimethylbenzene
       1.684 1.619 1.755 1.615 1.906 1.835 2.023 1.576 1.545 1.883  1.744    9.28
112)  1,2-dichlorobenzene
       0.949 0.943 1.078 0.894 1.007 1.059 1.030 0.885 0.932 1.084  0.986    7.60
113)  n-butylbenzene
       0.930 0.874 1.015 0.873 1.030 0.924 1.035 0.873 0.845        0.933    8.04
114)  1,2-dibromo-3-chloropropane
       0.080 0.101       0.094 0.103 0.077 0.100 0.087 0.075        0.090   12.51
115)  1,3,5-trichlorobenzene
       0.807 0.793       0.695 0.767 0.921 0.730 0.716 0.741        0.771    9.24
116)  1,2,4-trichlorobenzene
       0.734 0.686       0.617 0.668 0.814 0.629 0.646 0.692        0.686    9.33
117)  hexachlorobutadiene
       0.362 0.323 0.377 0.298 0.322 0.409 0.292 0.307 0.357        0.339   11.77
118)  naphthalene
       1.612 1.541 1.882 1.494 1.559 1.702 1.494 1.534 1.492        1.590    8.10
119)  1,2,3-trichlorobenzene
       0.653 0.620       0.563 0.592 0.740 0.564 0.592 0.556        0.610   10.15
120)  hexachloroethane
       0.170 0.170       0.203 0.247 0.170 0.250 0.172 0.153        0.192   19.66
121)  benzyl chloride
       0.406 0.423       0.615 0.776 0.435       0.496 0.374        0.504   28.55
          ----- Quadratic regression -----                Coefficient =  0.9997
               Response Ratio = -0.00135 + 0.43025 *A + 0.17446 *A^2

122)  2-methylnaphthalene
       0.793 0.830       0.802 0.825 0.856 0.748 0.827 0.709        0.799    6.10

123)     pentafluorobenzene(a) ----------------ISTD---------------------
124)  vinyl bromide
                                                                     0.000   -1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M3C8069.M         Tue Dec 12 17:11:23 2023   RPT1
```

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8069\3C184634.D Vial: 15
Acq On : 12 Dec 2023 3:25 am Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	67	0.00	2.27
2	ethanol	0.161	0.168	-4.3	108	0.00	1.74
		True	Calc.	% Drift			
3	tertiary butyl alcohol	250.000	262.384	-5.0	100	0.00	2.33
4	1,4-dioxane	1250.000	1580.745	-26.5	118	0.00	4.83
		AvgRF	CCRF	% Dev			
5 I	pentafluorobenzene	1.000	1.000	0.0	93	0.00	3.63
6	dichlorodifluoromethane	0.420	0.470	-11.9	113	0.00	0.94
7	chlorodifluoromethane		NA				
8	chloromethane	0.427	0.472	-10.5	118	0.00	1.09
9	1,3-butadiene	0.331	0.291	12.1	88	0.00	1.14
10	vinyl chloride	0.427	0.511	-19.7	121	0.00	1.13
11	bromomethane		NA				
12	chloroethane	0.360	0.452	-25.6	106	0.00	1.40
13	trichlorofluoromethane	0.754	0.857	-13.7	110	0.00	1.54
14	ethyl ether	0.185	0.189	-2.2	102	0.00	1.74
15	acrolein	0.045	0.048	-6.7	111	0.00	1.87
16	freon 113	0.274	0.275	-0.4	103	0.00	1.87
17	1,1-dichloroethene	0.270	0.293	-8.5	106	0.00	1.89
18	acetone	0.021	0.021	0.0	102	0.00	1.97
19	acetonitrile	0.033	0.039	-18.2	121	0.00	2.20
20	iodomethane	0.371	0.392	-5.7	96	0.00	2.00
21	carbon disulfide	0.986	0.994	-0.8	103	0.00	2.02
22	methylene chloride	0.346	0.337	2.6	102	0.00	2.26
23	methyl acetate	0.041	0.047	-14.6	109	0.00	2.16
24	methyl tert butyl ether	0.857	0.906	-5.7	105	0.00	2.39
25	trans-1,2-dichloroethene	0.328	0.341	-4.0	103	0.00	2.41
26	hexane	0.554	0.580	-4.7	107	0.00	2.54
27	di-isopropyl ether	0.982	1.090	-11.0	111	0.00	2.73
28	ethyl tert-butyl ether	0.913	0.958	-4.9	104	0.00	3.00
29	2-butanone	0.031	0.035	-12.9	110	0.00	3.21
30	1,1-dichloroethane	0.576	0.582	-1.0	103	0.00	2.74
31	chloroprene	0.462	0.500	-8.2	107	0.00	2.78
32	acrylonitrile	0.083	0.089	-7.2	109	0.00	2.47
33	vinyl acetate	0.052	0.054	-3.8	101	0.00	2.77
34	ethyl acetate	0.041	0.045	-9.8	107	0.00	3.23
35	2,2-dichloropropane	0.429	0.487	-13.5	109	0.00	3.16
36	cis-1,2-dichloroethene	0.376	0.380	-1.1	103	0.00	3.19
37	propionitrile	0.035	0.038	-8.6	105	0.00	3.32

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

38		bromochloromethane	0.230	0.229	0.4	102	0.00	3.39
39		tetrahydrofuran	0.094	0.095	-1.1	100	0.00	3.39
40		chloroform	0.594	0.622	-4.7	108	0.00	3.45
41		tert-butyl formate	0.062	0.112	-80.6#	173	0.00	3.45
42		isobutyl alcohol	0.048	0.049	-2.1	100	0.00	3.85
43	S	dibromofluoromethane (s)	0.493	0.488	1.0	92	0.00	3.59
44		methacrylonitrile	0.109	0.119	-9.2	106	0.00	3.41
45		1,1,1-trichloroethane	0.531	0.554	-4.3	105	0.00	3.55
46		cyclohexane	0.532	0.629	-18.2	117	0.00	3.53
47		1,1-dichloropropene	0.180	0.182	-1.1	103	0.00	3.69
48		tert-amyl alcohol	0.022	0.025	-13.6	109	0.00	3.92
49		carbon tetrachloride	0.439	0.449	-2.3	106	0.00	3.66
50	I	1,4-difluorobenzene	1.000	1.000	0.0	92	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.274	-0.7	92	0.00	3.89
52		2,2,4-trimethylpentane	0.765	0.780	-2.0	104	0.00	3.84
53		tert-amyl methyl ether	0.554	0.609	-9.9	102	0.00	3.94

			True	Calc.	% Drift			
54		n-butyl alcohol	2500.000	2821.500	-12.9	111	0.00	4.47

			AvgRF	CCRF	% Dev			
55		benzene	0.793	0.819	-3.3	105	0.00	3.86
56		heptane	0.163	0.172	-5.5	105	0.00	4.03
57		isopropyl acetate	0.166	0.180	-8.4	104	0.00	3.94
58		1,2-dichloroethane	0.239	0.252	-5.4	104	0.00	3.95
59		trichloroethene	0.204	0.213	-4.4	106	0.00	4.46
60		ethyl acrylate	0.179	0.210	-17.3	101	0.00	4.59
61		2-nitropropane	0.036	0.032	11.1	84	0.00	5.30
62		2-chloroethyl vinyl ether	0.094	0.121	-28.7	125	0.00	5.32
63		methyl methacrylate	0.044	0.048	-9.1	106	0.00	4.82
64		1,2-dichloropropane	0.182	0.193	-6.0	104	0.00	4.71
65		methylcyclohexane	0.364	0.388	-6.6	106	0.00	4.55
66		dibromomethane	0.113	0.119	-5.3	102	0.00	4.83
67		bromodichloromethane	0.243	0.264	-8.6	103	0.00	4.99
68		epichlorohydrin	0.014	0.016	-14.3	108	0.00	5.40
69		cis-1,3-dichloropropene	0.297	0.333	-12.1	105	0.00	5.45
70		4-methyl-2-pentanone	0.027	0.032	-18.5	109	0.00	5.60

			True	Calc.	% Drift			
71		3-methyl-1-butanol	1000.000	1194.206	-19.4	117	0.00	5.71

			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	92	0.00	7.01
73	S	toluene-d8 (s)	1.362	1.374	-0.9	93	0.00	5.65
74		toluene	0.601	0.605	-0.7	102	0.00	5.71
75		trans-1,3-dichloropropene	0.277	0.323	-16.6	104	0.00	6.02
76		ethyl methacrylate	0.222	0.266	-19.8	108	0.00	6.06
77		1,1,2-trichloroethane	0.154	0.170	-10.4	106	0.00	6.19
78		2-hexanone	0.063	0.073	-15.9	108	0.00	6.40
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane	0.311	0.328	-5.5	106	0.00	6.34
81		butyl acetate	0.109	0.124	-13.8	113	0.00	6.51
82		dibromochloromethane	0.220	0.237	-7.7	102	0.00	6.52
83		1,2-dibromoethane	0.180	0.197	-9.4	105	0.00	6.62
84		n-butyl ether	0.945	1.001	-5.9	104	0.00	7.10
85		chlorobenzene	0.686	0.690	-0.6	102	0.00	7.03
86		1,1,1,2-tetrachloroethane	0.223	0.243	-9.0	105	0.00	7.12
87		ethylbenzene	1.195	1.210	-1.3	104	0.00	7.10

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

88		m,p-xylene	0.478	0.489	-2.3	103	0.00	7.21
89		o-xylene	0.908	0.935	-3.0	104	0.00	7.55
90		styrene	0.729	0.789	-8.2	104	0.00	7.58
91		bromoform	0.119	0.151	-26.9	107	0.00	7.76
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate	50.000	55.304	-10.6	106	0.00	7.56
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene	1.101	1.164	-5.7	105	0.00	7.86
94		cis-1,4-dichloro-2-butene	0.067	0.072	-7.5	98	0.00	7.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.691	1.7	91	0.00	8.02
97		bromobenzene	0.486	0.494	-1.6	102	0.00	8.13
98		1,1,2,2-tetrachloroethane	0.417	0.427	-2.4	101	0.00	8.19
99		trans-1,4-dichloro-2-bute	0.053	0.063	-18.9	108	0.00	8.24
100		1,2,3-trichloropropane	0.124	0.134	-8.1	107	0.00	8.22
101		n-propylbenzene	2.342	2.382	-1.7	103	0.00	8.19
102		2-chlorotoluene	0.479	0.494	-3.1	104	0.00	8.28
103		4-chlorotoluene	0.515	0.521	-1.2	103	0.00	8.38
104		1,3,5-trimethylbenzene	1.602	1.654	-3.2	102	0.00	8.35
105		tert-butylbenzene	1.523	1.568	-3.0	102	0.00	8.60
106		1,2,4-trimethylbenzene	1.703	1.770	-3.9	102	0.00	8.66
107		sec-butylbenzene	2.308	2.333	-1.1	103	0.00	8.78
108		1,3-dichlorobenzene	1.060	1.062	-0.2	102	0.00	8.90
109		p-isopropyltoluene	2.104	2.165	-2.9	102	0.00	8.90
110		1,4-dichlorobenzene	1.076	1.040	3.3	101	0.00	8.97
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	0.986	0.986	0.0	100	0.00	9.27
113		n-butylbenzene	0.933	0.958	-2.7	100	0.00	9.23
114		1,2-dibromo-3-chloropropa	0.090	0.108	-20.0	105	0.00	9.91
115		1,3,5-trichlorobenzene	0.771	0.803	-4.2	105	0.00	10.02
116		1,2,4-trichlorobenzene	0.686	0.671	2.2	99	0.00	10.51
117		hexachlorobutadiene	0.339	0.337	0.6	103	0.00	10.61
118		naphthalene	1.590	1.694	-6.5	103	0.00	10.70
119		1,2,3-trichlorobenzene	0.610	0.643	-5.4	104	0.00	10.89
120		hexachloroethane	0.192	0.234	-21.9	105	0.00	9.42
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride	50.000	55.104	-10.2	101	0.00	9.09
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene	0.799	0.954	-19.4	108	0.00	11.55
123		pentafluorobenzene(a)	1.000	1.000	0.0	93	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3C184629.D M3C8069.M Tue Dec 12 17:12:52 2023 RPT1

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V3C8069\3C184635.D Vial: 16
Acq On : 12 Dec 2023 3:50 am Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	71	0.00	2.27
2	ethanol		----------NA----------				
	---------- True		Calc.	% Drift	----------		
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
	---------- AvgRF		CCRF	% Dev	----------		
5 I	pentafluorobenzene	1.000	1.000	0.0	92	0.00	3.63
6	dichlorodifluoromethane		----------NA----------				
7	chlorodifluoromethane	0.403	0.499	-23.8	126	0.00	0.98
8	chloromethane		----------NA----------				
9	1,3-butadiene		----------NA----------				
10	vinyl chloride		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.033	0.035	-6.1	104	0.00	2.20
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile	0.083	0.094	-13.3	113	0.00	2.47
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.493	0.496	-0.6	92	0.00	3.59
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.270	0.7	89	0.00	3.89
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
54		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	89	0.00	7.01
73	S	toluene-d8 (s)	1.362	1.368	-0.4	90	0.00	5.65
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene	0.260	0.267	-2.7	100	0.00	6.21
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	82	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.729	-3.7	87	0.00	8.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	1.744	1.823	-4.5	92	0.00	8.99
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	92	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C184629.D M3C8069.M Tue Dec 12 17:15:45 2023 RPT1

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V3C8069\3C184639.D Vial: 20
Acq On : 12 Dec 2023 4:23 pm Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	56	0.00	2.27
2	ethanol		NA				
	---------- True		Calc.	% Drift	----------		
3	tertiary butyl alcohol		NA				
4	1,4-dioxane		NA				
	---------- AvgRF		CCRF	% Dev	----------		
5 I	pentafluorobenzene	1.000	1.000	0.0	88	0.00	3.63
6	dichlorodifluoromethane	0.420	0.390	7.1	88	0.00	0.94
7	chlorodifluoromethane		NA				
8	chloromethane	0.427	0.391	8.4	92	0.00	1.09
9	1,3-butadiene		NA				
10	vinyl chloride	0.427	0.416	2.6	93	0.00	1.13
11	bromomethane	0.614	0.438	28.7	55	0.00	1.34
12	chloroethane	0.360	0.321	10.8	70	0.00	1.41
13	trichlorofluoromethane	0.754	0.660	12.5	79	0.00	1.54
14	ethyl ether		NA				
15	acrolein		NA				
16	freon 113		NA				
17	1,1-dichloroethene		NA				
18	acetone		NA				
19	acetonitrile		NA				
20	iodomethane		NA				
21	carbon disulfide		NA				
22	methylene chloride		NA				
23	methyl acetate		NA				
24	methyl tert butyl ether		NA				
25	trans-1,2-dichloroethene		NA				
26	hexane	0.554	0.475	14.3	82	0.00	2.54
27	di-isopropyl ether		NA				
28	ethyl tert-butyl ether		NA				
29	2-butanone		NA				
30	1,1-dichloroethane		NA				
31	chloroprene		NA				
32	acrylonitrile		NA				
33	vinyl acetate		NA				
34	ethyl acetate		NA				
35	2,2-dichloropropane		NA				
36	cis-1,2-dichloroethene		NA				
37	propionitrile		NA				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.493	0.489	0.8	86	0.00	3.59
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane	0.532	0.495	7.0	86	0.00	3.53
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.270	0.7	86	0.00	3.89
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
54		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	86	0.00	7.00
73	S	toluene-d8 (s)	1.362	1.354	0.6	86	0.00	5.65
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.727	-3.4	82	0.00	8.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	88	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C184629.D M3C8069.M Tue Dec 12 17:19:10 2023 RPT1

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8075-CC8069
Lab FileID: 3C184780.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Mo...23\V3C8075\3C184780.D Vial: 3
Acq On : 16 Dec 2023 2:13 pm Operator: johnn
Sample : cc8069-50 Inst : GCMS3C
Misc : MS76065,V3C8075,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	49#	0.00	2.27
2	ethanol	0.161	0.181	-12.4	84	0.00	1.74
		True	Calc.	% Drift			
3	tertiary butyl alcohol	250.000	287.014	-14.8	79	0.00	2.33
4	1,4-dioxane	1250.000	1681.603	-34.5#	90	0.00	4.83
		AvgRF	CCRF	% Dev			
5 I	pentafluorobenzene	1.000	1.000	0.0	81	0.00	3.63
6	dichlorodifluoromethane	0.420	0.366	12.9	77	0.00	0.94
7	chlorodifluoromethane	0.403	0.309	23.3#	69	0.00	0.97
8	chloromethane	0.427	0.364	14.8	79	0.00	1.09
9	1,3-butadiene	0.331	0.268	19.0	70	0.00	1.14
10	vinyl chloride	0.427	0.390	8.7	81	0.00	1.13
11	bromomethane	0.614	0.621	-1.1	73	0.00	1.34
12	chloroethane	0.360	0.370	-2.8	76	0.00	1.40
13	trichlorofluoromethane	0.754	0.697	7.6	78	0.00	1.54
14	ethyl ether	0.185	0.180	2.7	85	0.00	1.74
15	acrolein	0.045	0.041	8.9	83	0.00	1.87
16	freon 113	0.274	0.235	14.2	77	0.00	1.87
17	1,1-dichloroethene	0.270	0.238	11.9	75	0.00	1.89
18	acetone	0.021	0.019	9.5	81	0.00	1.97
19	acetonitrile	0.033	0.032	3.0	86	0.00	2.20
20	iodomethane	0.371	0.314	15.4	67	0.00	2.00
21	carbon disulfide	0.986	0.830	15.8	75	0.00	2.02
22	methylene chloride	0.346	0.300	13.3	80	0.00	2.25
23	methyl acetate	0.041	0.042	-2.4	86	0.00	2.16
24	methyl tert butyl ether	0.857	0.840	2.0	85	0.00	2.38
25	trans-1,2-dichloroethene	0.328	0.294	10.4	77	0.00	2.41
26	hexane	0.554	0.471	15.0	76	0.00	2.54
27	di-isopropyl ether	0.982	0.908	7.5	80	0.00	2.72
28	ethyl tert-butyl ether	0.913	0.875	4.2	83	0.00	3.00
29	2-butanone	0.031	0.032	-3.2	85	0.00	3.21
30	1,1-dichloroethane	0.576	0.523	9.2	81	0.00	2.74
31	chloroprene	0.462	0.414	10.4	77	0.00	2.78
32	acrylonitrile	0.083	0.077	7.2	82	0.00	2.47
33	vinyl acetate	0.052	0.049	5.8	79	0.00	2.77
34	ethyl acetate	0.041	0.040	2.4	82	0.00	3.23
35	2,2-dichloropropane	0.429	0.401	6.5	79	0.00	3.16
36	cis-1,2-dichloroethene	0.376	0.346	8.0	82	0.00	3.19
37	propionitrile	0.035	0.035	0.0	85	0.00	3.31

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8075-CC8069
Lab FileID: 3C184780.D

38		bromochloromethane	0.230	0.209	9.1	81	0.00	3.39
39		tetrahydrofuran	0.094	0.094	0.0	86	0.00	3.38
40		chloroform	0.594	0.554	6.7	84	0.00	3.45
41		tert-butyl formate	0.062	0.043	30.6#	59	0.00	3.45
42		isobutyl alcohol	0.048	0.043	10.4	77	0.00	3.84
43	S	dibromofluoromethane (s)	0.493	0.506	-2.6	83	0.00	3.58
44		methacrylonitrile	0.109	0.111	-1.8	86	0.00	3.41
45		1,1,1-trichloroethane	0.531	0.465	12.4	77	0.00	3.55
46		cyclohexane	0.532	0.505	5.1	82	0.00	3.53
47		1,1-dichloropropene	0.180	0.158	12.2	78	0.00	3.69
48		tert-amyl alcohol	0.022	0.022	0.0	84	0.00	3.92
49		carbon tetrachloride	0.439	0.393	10.5	81	0.00	3.66
50	I	1,4-difluorobenzene	1.000	1.000	0.0	82	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.278	-2.2	83	0.00	3.88
52		2,2,4-trimethylpentane	0.765	0.660	13.7	78	0.00	3.84
53		tert-amyl methyl ether	0.554	0.576	-4.0	86	0.00	3.93

			True	Calc.	% Drift			
54		n-butyl alcohol	2500.000	2485.537	0.6	86	0.00	4.47

			AvgRF	CCRF	% Dev			
55		benzene	0.793	0.730	7.9	83	0.00	3.86
56		heptane	0.163	0.141	13.5	76	0.00	4.03
57		isopropyl acetate	0.166	0.169	-1.8	88	0.00	3.94
58		1,2-dichloroethane	0.239	0.230	3.8	85	0.00	3.95
59		trichloroethene	0.204	0.183	10.3	81	0.00	4.46
60		ethyl acrylate	0.179	0.190	-6.1	82	0.00	4.59
61		2-nitropropane	0.036	0.031	13.9	74	0.00	5.29
62		2-chloroethyl vinyl ether	0.094	0.095	-1.1	87	0.00	5.32
63		methyl methacrylate	0.044	0.046	-4.5	91	0.00	4.81
64		1,2-dichloropropane	0.182	0.179	1.6	86	0.00	4.71
65		methylcyclohexane	0.364	0.329	9.6	80	0.00	4.55
66		dibromomethane	0.113	0.109	3.5	84	0.00	4.83
67		bromodichloromethane	0.243	0.241	0.8	83	0.00	4.99
68		epichlorohydrin	0.014	0.015	-7.1	92	0.00	5.40
69		cis-1,3-dichloropropene	0.297	0.302	-1.7	85	0.00	5.45
70		4-methyl-2-pentanone	0.027	0.029	-7.4	88	0.00	5.60

			True	Calc.	% Drift			
71		3-methyl-1-butanol	1000.000	1003.238	-0.3	84	0.00	5.71

			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	85	0.00	7.00
73	S	toluene-d8 (s)	1.362	1.367	-0.4	85	0.00	5.65
74		toluene	0.601	0.538	10.5	83	0.00	5.71
75		trans-1,3-dichloropropene	0.277	0.287	-3.6	85	0.00	6.02
76		ethyl methacrylate	0.222	0.239	-7.7	89	0.00	6.06
77		1,1,2-trichloroethane	0.154	0.153	0.6	87	0.00	6.19
78		2-hexanone	0.063	0.068	-7.9	93	0.00	6.40
79		tetrachloroethene	0.260	0.228	12.3	81	0.00	6.21
80		1,3-dichloropropane	0.311	0.296	4.8	88	0.00	6.34
81		butyl acetate	0.109	0.107	1.8	90	0.00	6.50
82		dibromochloromethane	0.220	0.210	4.5	83	0.00	6.52
83		1,2-dibromoethane	0.180	0.178	1.1	87	0.00	6.62
84		n-butyl ether	0.945	0.897	5.1	86	0.00	7.10
85		chlorobenzene	0.686	0.610	11.1	83	0.00	7.03
86		1,1,1,2-tetrachloroethane	0.223	0.212	4.9	84	0.00	7.12
87		ethylbenzene	1.195	1.069	10.5	84	0.00	7.10

Continuing Calibration Summary

Job Number: JD78884 **Sample:** V3C8075-CC8069
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3C184780.D
Project: 99 Franklin Courts, Tarrytown, NY

88		m,p-xylene	0.478	0.431	9.8	84	0.00	7.21
89		o-xylene	0.908	0.823	9.4	84	0.00	7.55
90		styrene	0.729	0.705	3.3	85	0.00	7.58
91		bromoform	0.119	0.133	-11.8	87	0.00	7.76
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate	50.000	51.411	-2.8	89	0.00	7.56
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene	1.101	0.999	9.3	83	0.00	7.85
94		cis-1,4-dichloro-2-butene	0.067	0.069	-3.0	86	0.00	7.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	8.95
96	S	4-bromofluorobenzene (s)	0.703	0.706	-0.4	86	0.00	8.02
97		bromobenzene	0.486	0.435	10.5	83	0.00	8.13
98		1,1,2,2-tetrachloroethane	0.417	0.403	3.4	88	0.00	8.19
99		trans-1,4-dichloro-2-bute	0.053	0.056	-5.7	89	0.00	8.24
100		1,2,3-trichloropropane	0.124	0.123	0.8	90	0.00	8.22
101		n-propylbenzene	2.342	2.141	8.6	85	0.00	8.19
102		2-chlorotoluene	0.479	0.433	9.6	84	0.00	8.28
103		4-chlorotoluene	0.515	0.473	8.2	87	0.00	8.38
104		1,3,5-trimethylbenzene	1.602	1.492	6.9	85	0.00	8.35
105		tert-butylbenzene	1.523	1.388	8.9	83	0.00	8.60
106		1,2,4-trimethylbenzene	1.703	1.607	5.6	85	0.00	8.65
107		sec-butylbenzene	2.308	2.105	8.8	86	0.00	8.78
108		1,3-dichlorobenzene	1.060	0.975	8.0	86	0.00	8.90
109		p-isopropyltoluene	2.104	1.964	6.7	86	0.00	8.90
110		1,4-dichlorobenzene	1.076	0.974	9.5	87	0.00	8.97
111		1,2,3-trimethylbenzene	1.744	1.695	2.8	88	0.00	8.99
112		1,2-dichlorobenzene	0.986	0.920	6.7	86	0.00	9.27
113		n-butylbenzene	0.933	0.900	3.5	86	0.00	9.22
114		1,2-dibromo-3-chloropropa	0.090	0.095	-5.6	85	0.00	9.90
115		1,3,5-trichlorobenzene	0.771	0.711	7.8	86	0.00	10.01
116		1,2,4-trichlorobenzene	0.686	0.638	7.0	87	0.00	10.51
117		hexachlorobutadiene	0.339	0.292	13.9	82	0.00	10.61
118		naphthalene	1.590	1.553	2.3	87	0.00	10.69
119		1,2,3-trichlorobenzene	0.610	0.575	5.7	86	0.00	10.89
120		hexachloroethane	0.192	0.193	-0.5	79	0.00	9.42
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride	50.000	51.533	-3.1	86	0.00	9.09
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene	0.799	0.789	1.3	82	0.00	11.55
123		pentafluorobenzene(a)	1.000	1.000	0.0	81	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C184629.D M3C8069.M Mon Dec 18 12:18:20 2023

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8075-CC8069
Lab FileID: 3C184781.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\Mo...23\V3C8075\3C184781.D Vial: 4
Acq On : 16 Dec 2023 2:57 pm Operator: johnn
Sample : cc8069-4 Inst : GCMS3C
Misc : MS76065,V3C8075,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 200% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	139	0.00	2.27
2		ethanol		NA				
		----------	True	Calc.	% Drift	----------		
3		tertiary butyl alcohol		NA				
4		1,4-dioxane		NA				
		----------	AvgRF	CCRF	% Dev	----------		
5	I	pentafluorobenzene	1.000	1.000	0.0	96	0.00	3.63
6		dichlorodifluoromethane		NA				
7		chlorodifluoromethane	0.403	0.380	5.7	86	-0.01	0.97
8		chloromethane		NA				
9		1,3-butadiene		NA				
10		vinyl chloride		NA				
11		bromomethane		NA				
12		chloroethane		NA				
13		trichlorofluoromethane		NA				
14		ethyl ether		NA				
15		acrolein		NA				
16		freon 113		NA				
17		1,1-dichloroethene		NA				
18		acetone		NA				
19		acetonitrile		NA				
20		iodomethane		NA				
21		carbon disulfide		NA				
22		methylene chloride		NA				
23		methyl acetate		NA				
24		methyl tert butyl ether		NA				
25		trans-1,2-dichloroethene		NA				
26		hexane		NA				
27		di-isopropyl ether		NA				
28		ethyl tert-butyl ether		NA				
29		2-butanone		NA				
30		1,1-dichloroethane		NA				
31		chloroprene		NA				
32		acrylonitrile		NA				
33		vinyl acetate		NA				
34		ethyl acetate		NA				
35		2,2-dichloropropane		NA				
36		cis-1,2-dichloroethene		NA				
37		propionitrile		NA				

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8075-CC8069
Lab FileID: 3C184781.D

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.493	0.503	-2.0	97	0.00	3.58
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.273	-0.4	101	0.00	3.88
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
54		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	98	0.00	7.00
73	S	toluene-d8 (s)	1.362	1.374	-0.9	99	0.00	5.65
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8075-CC8069
Lab FileID: 3C184781.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	98	0.00	8.95
96	S	4-bromofluorobenzene (s)	0.703	0.731	-4.0	100	0.00	8.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	96	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3C184626.D M3C8069.M Mon Dec 18 12:21:41 2023

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V1C8512	**Method:** SW846 8260D	**Instrument ID:** GCMS1C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1C8512-BFB	1C196422.D	09/25/23 21:11	n/a	BFB Tune
V1C8512-IC8512	1C196423.D	09/25/23 21:50	n/a	Initial cal 0.2
V1C8512-IC8512	1C196424.D	09/25/23 22:16	n/a	Initial cal 0.5
V1C8512-IC8512	1C196425.D	09/25/23 22:43	n/a	Initial cal 1
V1C8512-IC8512	1C196426.D	09/25/23 23:09	n/a	Initial cal 2
V1C8512-IC8512	1C196427.D	09/25/23 23:35	n/a	Initial cal 4
V1C8512-IC8512	1C196428.D	09/26/23 00:01	n/a	Initial cal 8
V1C8512-IC8512	1C196429.D	09/26/23 00:28	n/a	Initial cal 20
V1C8512-ICC8512	1C196430.D	09/26/23 00:54	n/a	Initial cal 50
V1C8512-IC8512	1C196431.D	09/26/23 01:20	n/a	Initial cal 100
V1C8512-IC8512	1C196432.D	09/26/23 01:47	n/a	Initial cal 200
V1C8512-ICV8512	1C196435.D	09/26/23 03:05	n/a	Initial cal verification 50
V1C8512-ICV8512	1C196436.D	09/26/23 03:31	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V1C8572	**Method:** SW846 8260D	**Instrument ID:** GCMS1C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V1C8572-CC8512	1C197929.D	12/15/23 12:27	n/a	Continuing cal 50
V1C8572-CC8512	1C197930.D	12/15/23 13:07	n/a	Continuing cal 4
V1C8572-BS	1C197931.D	12/15/23 13:33	n/a	Blank Spike
V1C8572-MB	1C197933.D	12/15/23 14:50	n/a	Method Blank
ZZZZZZ	1C197934.D	12/15/23 15:16	n/a	(unrelated sample)
JD78884-1	1C197935.D	12/15/23 15:42	n/a	SB121 (9-9.5)
JD78884-2	1C197936.D	12/15/23 16:08	n/a	SB120 (3-3.5)
JD78884-3	1C197937.D	12/15/23 16:34	n/a	SB118 (5-5.5)
JD78884-4	1C197938.D	12/15/23 17:01	n/a	SB119 (8-8.5)
JD78884-5	1C197939.D	12/15/23 17:27	n/a	SB114 (4-4.5)
JD78884-6	1C197940.D	12/15/23 17:53	n/a	SB110 (4.5-5)
JD78884-10	1C197941.D	12/15/23 18:19	n/a	SB104 (7-7.5)
JD78884-1MS	1C197942.D	12/15/23 18:45	n/a	Matrix Spike
JD78884-3DUP	1C197943.D	12/15/23 19:11	n/a	Duplicate
ZZZZZZ	1C197944.D	12/15/23 19:38	n/a	(unrelated sample)
ZZZZZZ	1C197945.D	12/15/23 20:09	n/a	(unrelated sample)
ZZZZZZ	1C197946.D	12/15/23 20:35	n/a	(unrelated sample)
ZZZZZZ	1C197947.D	12/15/23 21:01	n/a	(unrelated sample)
ZZZZZZ	1C197948.D	12/15/23 21:27	n/a	(unrelated sample)
ZZZZZZ	1C197949.D	12/15/23 21:53	n/a	(unrelated sample)
ZZZZZZ	1C197950.D	12/15/23 22:19	n/a	(unrelated sample)
JD78884-7	1C197951.D	12/15/23 22:45	n/a	SB109 (9.5-10)
JD78884-8	1C197952.D	12/15/23 23:11	n/a	SB113 (8.5-9)
JD78884-9	1C197953.D	12/15/23 23:37	n/a	SB103 (4.5-5)
JD78884-11	1C197954.D	12/16/23 00:03	n/a	SB105 (8-8.5)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3C8069	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8069-BFB	3C184621.D	12/11/23 21:57	n/a	BFB Tune
V3C8069-IC8069	3C184622.D	12/11/23 22:24	n/a	Initial cal 0.2
V3C8069-IC8069	3C184623.D	12/11/23 22:50	n/a	Initial cal 0.5
V3C8069-IC8069	3C184624.D	12/11/23 23:14	n/a	Initial cal 1
V3C8069-IC8069	3C184625.D	12/11/23 23:39	n/a	Initial cal 2
V3C8069-IC8069	3C184626.D	12/12/23 00:05	n/a	Initial cal 4
V3C8069-IC8069	3C184627.D	12/12/23 00:30	n/a	Initial cal 8
V3C8069-IC8069	3C184628.D	12/12/23 00:55	n/a	Initial cal 20
V3C8069-ICC8069	3C184629.D	12/12/23 01:19	n/a	Initial cal 50
V3C8069-IC8069	3C184630.D	12/12/23 01:44	n/a	Initial cal 100
V3C8069-IC8069	3C184631.D	12/12/23 02:10	n/a	Initial cal 200
V3C8069-ICV8069	3C184634.D	12/12/23 03:25	n/a	Initial cal verification 50
V3C8069-ICV8069	3C184635.D	12/12/23 03:50	n/a	Initial cal verification 50
V3C8069-BFB2	3C184638.D	12/12/23 15:56	n/a	BFB Tune
V3C8069-ICV8069	3C184639.D	12/12/23 16:23	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3C8075	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8075-CC8069	3C184780.D	12/16/23 14:13	n/a	Continuing cal 50
V3C8075-CC8069	3C184781.D	12/16/23 14:57	n/a	Continuing cal 4
V3C8075-BS	3C184782.D	12/16/23 15:22	n/a	Blank Spike
V3C8075-MB	3C184784.D	12/16/23 16:31	n/a	Method Blank
ZZZZZZ	3C184785.D	12/16/23 17:20	n/a	(unrelated sample)
ZZZZZZ	3C184786.D	12/16/23 17:45	n/a	(unrelated sample)
ZZZZZZ	3C184787.D	12/16/23 18:10	n/a	(unrelated sample)
JD78884-12	3C184788.D	12/16/23 18:52	n/a	SB106 (5.5-6)
ZZZZZZ	3C184789.D	12/16/23 19:34	n/a	(unrelated sample)
JD78842-1	3C184790.D	12/16/23 19:58	n/a	(used for QC only; not part of job JD78884)
JD78842-3	3C184791.D	12/16/23 20:23	n/a	(used for QC only; not part of job JD78884)
JD78842-1MS	3C184792.D	12/16/23 20:48	n/a	Matrix Spike
JD78842-3DUP	3C184794.D	12/16/23 21:38	n/a	Duplicate
ZZZZZZ	3C184795.D	12/16/23 22:03	n/a	(unrelated sample)
ZZZZZZ	3C184796.D	12/16/23 22:28	n/a	(unrelated sample)
ZZZZZZ	3C184797.D	12/16/23 22:53	n/a	(unrelated sample)
ZZZZZZ	3C184798.D	12/16/23 23:18	n/a	(unrelated sample)
ZZZZZZ	3C184799.D	12/16/23 23:43	n/a	(unrelated sample)
ZZZZZZ	3C184800.D	12/17/23 00:09	n/a	(unrelated sample)
ZZZZZZ	3C184801.D	12/17/23 00:34	n/a	(unrelated sample)
ZZZZZZ	3C184802.D	12/17/23 00:59	n/a	(unrelated sample)
ZZZZZZ	3C184803.D	12/17/23 01:24	n/a	(unrelated sample)
ZZZZZZ	3C184804.D	12/17/23 01:49	n/a	(unrelated sample)

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MB1	CR5098.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MB1	CR5098.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MB1	CR5098.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	38%	10-99%
4165-62-2	Phenol-d5	38%	10-96%
118-79-6	2,4,6-Tribromophenol	47%	10-123%
4165-60-0	Nitrobenzene-d5	41%	10-109%
321-60-8	2-Fluorobiphenyl	40%	11-109%
1718-51-0	Terphenyl-d14	46%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.75	360	ug/kg	J
	system artifact	3.90	370	ug/kg	J
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-BS1	F218175.D	1	12/20/23	KH	12/19/23	OP51213	EF9666

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	654	39	10-135
59-50-7	4-Chloro-3-methyl phenol	1670	988	59	10-141
120-83-2	2,4-Dichlorophenol	1670	830	50	10-139
105-67-9	2,4-Dimethylphenol	1670	793	48	10-141
51-28-5	2,4-Dinitrophenol	3330	1050	32	10-138
534-52-1	4,6-Dinitro-o-cresol	1670	530	32	10-156
95-48-7	2-Methylphenol	1670	723	43	10-139
	3&4-Methylphenol	3330	1630	49	10-174
88-75-5	2-Nitrophenol	1670	648	39	10-142
100-02-7	4-Nitrophenol	1670	1130	68	10-144
87-86-5	Pentachlorophenol	3330	2160	65	10-165
108-95-2	Phenol	1670	714	43	23-115
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1010	61	10-146
95-95-4	2,4,5-Trichlorophenol	1670	929	56	13-136
88-06-2	2,4,6-Trichlorophenol	1670	907	54	10-142
83-32-9	Acenaphthene	1670	821	49	10-141
208-96-8	Acenaphthylene	1670	1040	62	10-133
98-86-2	Acetophenone	1670	677	41	23-115
120-12-7	Anthracene	1670	945	57	10-144
1912-24-9	Atrazine	1670	940	56	17-149
56-55-3	Benzo(a)anthracene	1670	966	58	11-139
50-32-8	Benzo(a)pyrene	1670	1320	79	13-141
205-99-2	Benzo(b)fluoranthene	1670	2310	139	14-140
191-24-2	Benzo(g,h,i)perylene	1670	2130	128	13-138
207-08-9	Benzo(k)fluoranthene	1670	2280	137	12-140
101-55-3	4-Bromophenyl phenyl ether	1670	967	58	10-146
85-68-7	Butyl benzyl phthalate	1670	1070	64	10-150
92-52-4	1,1'-Biphenyl	1670	764	46	10-141
100-52-7	Benzaldehyde	1670	302	18	10-146
91-58-7	2-Chloronaphthalene	1670	759	46	10-142
106-47-8	4-Chloroaniline	1670	426	26	10-108
86-74-8	Carbazole	1670	1010	61	10-145
105-60-2	Caprolactam	1670	1230	74	10-187
218-01-9	Chrysene	1670	986	59	11-139
111-91-1	bis(2-Chloroethoxy)methane	1670	699	42	10-144
111-44-4	bis(2-Chloroethyl)ether	1670	533	32	10-145

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-BS1	F218175.D	1	12/20/23	KH	12/19/23	OP51213	EF9666

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	596	36	10-145
7005-72-3	4-Chlorophenyl phenyl ether	1670	920	55	10-145
121-14-2	2,4-Dinitrotoluene	1670	1080	65	10-148
606-20-2	2,6-Dinitrotoluene	1670	1010	61	12-145
91-94-1	3,3'-Dichlorobenzidine	1670	153	9*	10-100
123-91-1	1,4-Dioxane	1670	217	13	10-97
53-70-3	Dibenzo(a,h)anthracene	1670	2270	136	14-142
132-64-9	Dibenzofuran	1670	874	52	10-140
84-74-2	Di-n-butyl phthalate	1670	1030	62	11-147
117-84-0	Di-n-octyl phthalate	1670	2520	151*	15-145
84-66-2	Diethyl phthalate	1670	986	59	10-145
131-11-3	Dimethyl phthalate	1670	959	58	10-144
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1080	65	26-132
206-44-0	Fluoranthene	1670	1010	61	10-147
86-73-7	Fluorene	1670	939	56	12-139
118-74-1	Hexachlorobenzene	1670	901	54	10-144
87-68-3	Hexachlorobutadiene	1670	489	29	10-142
77-47-4	Hexachlorocyclopentadiene	3330	1380	41	10-120
67-72-1	Hexachloroethane	1670	449	27	10-141
193-39-5	Indeno(1,2,3-cd)pyrene	1670	2280	137	13-144
78-59-1	Isophorone	1670	776	47	10-139
91-57-6	2-Methylnaphthalene	1670	710	43	10-140
88-74-4	2-Nitroaniline	1670	1020	61	10-148
99-09-2	3-Nitroaniline	1670	699	42	10-127
100-01-6	4-Nitroaniline	1670	954	57	10-143
91-20-3	Naphthalene	1670	575	35	10-141
98-95-3	Nitrobenzene	1670	619	37	10-139
621-64-7	N-Nitroso-di-n-propylamine	1670	774	46	10-143
86-30-6	N-Nitrosodiphenylamine	1670	896	54	10-145
85-01-8	Phenanthrene	1670	950	57	10-142
129-00-0	Pyrene	1670	974	58	13-141
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	650	39	10-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-BS1	F218175.D	1	12/20/23	KH	12/19/23	OP51213	EF9666

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	39%	10-99%
4165-62-2	Phenol-d5	47%	10-96%
118-79-6	2,4,6-Tribromophenol	62%	10-123%
4165-60-0	Nitrobenzene-d5	37%	10-109%
321-60-8	2-Fluorobiphenyl	45%	11-109%
1718-51-0	Terphenyl-d14	63%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MS	CR5114.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
OP51213-MSD	CR5115.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
JD78884-4	CR5104.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	JD78884-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2050	734	36	2050	1010	49	32	10-137/86
59-50-7	4-Chloro-3-methyl phenol	ND		2050	1020	50	2050	1130	55	10	10-146/84
120-83-2	2,4-Dichlorophenol	ND		2050	947	46	2050	1150	56	19	10-145/86
105-67-9	2,4-Dimethylphenol	ND		2050	922	45	2050	1120	55	19	10-148/87
51-28-5	2,4-Dinitrophenol	ND		4110	376	9* [a]	4110	247	6* [a]	41	10-118/90
534-52-1	4,6-Dinitro-o-cresol	ND		2050	329	16	2050	276	13	18	10-131/97
95-48-7	2-Methylphenol	ND		2050	759	37	2050	974	47	25	10-143/86
	3&4-Methylphenol	ND		4110	1550	38	4110	1860	45	18	10-162/87
88-75-5	2-Nitrophenol	ND		2050	876	43	2050	1070	52	20	10-147/93
100-02-7	4-Nitrophenol	ND		2050	987	48	2050	835	41	17	10-152/85
87-86-5	Pentachlorophenol	ND		4110	2200	54	4110	2030	49	8	10-146/89
108-95-2	Phenol	ND		2050	759	37	2050	949	46	22	10-118/84
58-90-2	2,3,4,6-Tetrachlorophenol	ND		2050	1200	58	2050	1150	56	4	10-139/87
95-95-4	2,4,5-Trichlorophenol	ND		2050	1060	52	2050	1160	56	9	10-140/86
88-06-2	2,4,6-Trichlorophenol	ND		2050	1030	50	2050	1180	57	14	10-141/86
83-32-9	Acenaphthene	ND		2050	947	46	2050	1110	54	16	10-156/87
208-96-8	Acenaphthylene	ND		2050	1230	60	2050	1380	67	11	10-143/84
98-86-2	Acetophenone	ND		2050	716	35	2050	959	47	29	10-130/90
120-12-7	Anthracene	ND		2050	1120	55	2050	1170	57	4	10-166/88
1912-24-9	Atrazine	ND		2050	1060	52	2050	1340	65	23	10-148/86
56-55-3	Benzo(a)anthracene	ND		2050	1240	60	2050	1290	63	4	10-163/88
50-32-8	Benzo(a)pyrene	ND		2050	1460	71	2050	1490	73	2	10-163/89
205-99-2	Benzo(b)fluoranthene	ND		2050	1560	76	2050	1470	72	6	10-156/91
191-24-2	Benzo(g,h,i)perylene	ND		2050	1630	79	2050	1680	82	3	10-158/89
207-08-9	Benzo(k)fluoranthene	ND		2050	1340	65	2050	1270	62	5	10-157/86
101-55-3	4-Bromophenyl phenyl ether	ND		2050	1190	58	2050	1330	65	11	10-143/87
85-68-7	Butyl benzyl phthalate	ND		2050	1300	63	2050	1410	69	8	10-161/89
92-52-4	1,1'-Biphenyl	ND		2050	908	44	2050	1090	53	18	10-143/86
100-52-7	Benzaldehyde	ND		2050	66.2	3* [b]	2050	944	46	174* [c]	10-148/88
91-58-7	2-Chloronaphthalene	ND		2050	916	45	2050	1100	54	18	10-145/86
106-47-8	4-Chloroaniline	ND		2050	331	16	2050	474	23	36	10-109/87
86-74-8	Carbazole	ND		2050	1090	53	2050	1080	53	1	10-158/87
105-60-2	Caprolactam	ND		2050	1090	53	2050	960	47	13	10-150/82
218-01-9	Chrysene	ND		2050	1230	60	2050	1250	61	2	10-164/87
111-91-1	bis(2-Chloroethoxy)methane	ND		2050	788	38	2050	1010	49	25	10-152/86
111-44-4	bis(2-Chloroethyl)ether	ND		2050	665	32	2050	933	45	34	10-147/86

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MS	CR5114.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
OP51213-MSD	CR5115.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
JD78884-4	CR5104.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	JD78884-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		2050	679	33	2050	1000	49	38	10-134/88
7005-72-3	4-Chlorophenyl phenyl ether	ND		2050	1080	53	2050	1200	58	11	10-142/87
121-14-2	2,4-Dinitrotoluene	ND		2050	1110	54	2050	1060	52	5	10-147/86
606-20-2	2,6-Dinitrotoluene	ND		2050	1140	55	2050	1190	58	4	10-147/88
91-94-1	3,3'-Dichlorobenzidine	ND		2050	578	28	2050	1240	60	73	10-106/93
123-91-1	1,4-Dioxane	ND		2050	29.2	1* [b]	2050	555	27	180* [c]	10-102/85
53-70-3	Dibenzo(a,h)anthracene	ND		2050	1560	76	2050	1590	77	2	10-149/89
132-64-9	Dibenzofuran	ND		2050	1010	49	2050	1110	54	9	10-155/86
84-74-2	Di-n-butyl phthalate	ND		2050	1260	61	2050	1270	62	1	10-158/86
117-84-0	Di-n-octyl phthalate	ND		2050	1430	70	2050	1340	65	6	10-154/84
84-66-2	Diethyl phthalate	ND		2050	1110	54	2050	1140	55	3	10-148/84
131-11-3	Dimethyl phthalate	ND		2050	1100	54	2050	1180	57	7	10-144/85
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2050	1310	64	2050	1410	69	7	10-153/84
206-44-0	Fluoranthene	ND		2050	1220	59	2050	1130	55	8	10-165/93
86-73-7	Fluorene	ND		2050	1060	52	2050	1120	55	6	10-158/87
118-74-1	Hexachlorobenzene	ND		2050	1160	56	2050	1260	61	8	10-139/85
87-68-3	Hexachlorobutadiene	ND		2050	775	38	2050	1220	59	45	10-139/88
77-47-4	Hexachlorocyclopentadiene	ND		4110	846	21	4110	1610	39	62* [c]	10-116/30
67-72-1	Hexachloroethane	ND		2050	477	23	2050	1070	52	77	10-141/93
193-39-5	Indeno(1,2,3-cd)pyrene	ND		2050	1550	75	2050	1560	76	1	10-160/91
78-59-1	Isophorone	ND		2050	837	41	2050	1060	52	24	10-150/86
91-57-6	2-Methylnaphthalene	ND		2050	864	42	2050	1060	52	20	10-145/86
88-74-4	2-Nitroaniline	ND		2050	1080	53	2050	1170	57	8	10-152/77
99-09-2	3-Nitroaniline	ND		2050	743	36	2050	928	45	22	10-136/83
100-01-6	4-Nitroaniline	ND		2050	937	46	2050	954	46	2	10-140/81
91-20-3	Naphthalene	ND		2050	760	37	2050	1030	50	30	10-146/87
98-95-3	Nitrobenzene	ND		2050	759	37	2050	1040	51	31	10-146/88
621-64-7	N-Nitroso-di-n-propylamine	ND		2050	777	38	2050	953	46	20	10-147/77
86-30-6	N-Nitrosodiphenylamine	ND		2050	952	46	2050	1170	57	21	10-159/78
85-01-8	Phenanthrene	ND		2050	1070	52	2050	1100	54	3	10-158/95
129-00-0	Pyrene	ND		2050	1220	59	2050	1340	65	9	10-176/90
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2050	915	45	2050	1180	57	25	10-137/87

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51213-MS	CR5114.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
OP51213-MSD	CR5115.D	1	12/20/23	KM	12/19/23	OP51213	ECR234
JD78884-4	CR5104.D	1	12/20/23	KM	12/19/23	OP51213	ECR234

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Surrogate Recoveries	MS	MSD	JD78884-4	Limits
367-12-4	2-Fluorophenol	31%	50%	43%	10-99%
4165-62-2	Phenol-d5	39%	50%	44%	10-96%
118-79-6	2,4,6-Tribromophenol	67%	69%	58%	10-123%
4165-60-0	Nitrobenzene-d5	38%	53%	46%	10-109%
321-60-8	2-Fluorobiphenyl	45%	56%	48%	11-109%
1718-51-0	Terphenyl-d14	62%	68%	55%	10-120%

(a) Outside of in house control limits.
(b) Outside of in house control limits,acceptable recovery in the BSD.
(c) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	ECR224-DFTPP	**Injection Date:**	12/06/23
Lab File ID:	CR4921.D	**Injection Time:**	20:53
Instrument ID:	GCMSCR		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13032	30.9		Pass
68	Less than 2.0% of mass 69	108	0.26	(0.83) [a]	Pass
69	Mass 69 relative abundance	13007	30.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	17494	41.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	42221	100.0		Pass
199	5.0 - 9.0% of mass 198	2782	6.59		Pass
275	10.0 - 30.0% of mass 198	10072	23.9		Pass
365	1.0 - 100.0% of mass 198	1163	2.75		Pass
441	Present, but less than mass 443	5676	13.4	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	36296	86.0		Pass
443	17.0 - 23.0% of mass 442	6970	16.5	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR224-ICC224	CR4922.D	12/06/23	21:08	00:15	Initial cal 50
ECR224-IC224	CR4923.D	12/06/23	21:27	00:34	Initial cal 1
ECR224-IC224	CR4924.D	12/06/23	21:46	00:53	Initial cal 2
ECR224-IC224	CR4925.D	12/06/23	22:06	01:13	Initial cal 5
ECR224-IC224	CR4926.D	12/06/23	22:26	01:33	Initial cal 10
ECR224-IC224	CR4927.D	12/06/23	22:45	01:52	Initial cal 25
ECR224-IC224	CR4928.D	12/06/23	23:05	02:12	Initial cal 80
ECR224-IC224	CR4929.D	12/06/23	23:24	02:31	Initial cal 100
ECR224-ICV224	CR4933.D	12/07/23	00:44	03:51	Initial cal verification 50
ECR224-ICV224	CR4934.D	12/07/23	01:03	04:10	Initial cal verification 50
ECR224-ICV224	CR4935.D	12/07/23	01:23	04:30	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-DFTPP
Lab File ID: CR4936.D
Instrument ID: GCMSCR
Injection Date: 12/07/23
Injection Time: 03:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15916	30.5		Pass
68	Less than 2.0% of mass 69	248	0.47	(1.56) [a]	Pass
69	Mass 69 relative abundance	15946	30.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	21830	41.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	52232	100.0		Pass
199	5.0 - 9.0% of mass 198	3611	6.91		Pass
275	10.0 - 30.0% of mass 198	12954	24.8		Pass
365	1.0 - 100.0% of mass 198	1488	2.85		Pass
441	Present, but less than mass 443	7415	14.2	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	46949	89.9		Pass
443	17.0 - 23.0% of mass 442	9113	17.4	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR225-ICC225	CR4937.D	12/07/23	04:06	00:53	Initial cal 50
ECR225-IC225	CR4938.D	12/07/23	04:26	01:13	Initial cal 1
ECR225-IC225	CR4939.D	12/07/23	04:46	01:33	Initial cal 2
ECR225-IC225	CR4940.D	12/07/23	05:06	01:53	Initial cal 5
ECR225-IC225	CR4941.D	12/07/23	05:25	02:12	Initial cal 10
ECR225-IC225	CR4942.D	12/07/23	05:45	02:32	Initial cal 25
ECR225-IC225	CR4943.D	12/07/23	06:05	02:52	Initial cal 80
ECR225-IC225	CR4944.D	12/07/23	06:25	03:12	Initial cal 100
ECR225-ICV225	CR4945.D	12/07/23	06:45	03:32	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	ECR227-DFTPP	**Injection Date:**	12/12/23
Lab File ID:	CR4951.D	**Injection Time:**	15:02
Instrument ID:	GCMSCR		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11873	32.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	11818	32.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	15796	43.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	36748	100.0		Pass
199	5.0 - 9.0% of mass 198	2461	6.70		Pass
275	10.0 - 30.0% of mass 198	9020	24.5		Pass
365	1.0 - 100.0% of mass 198	984	2.68		Pass
441	Present, but less than mass 443	4901	13.3	(79.6) [b]	Pass
442	40.0 - 100.0% of mass 198	31763	86.4		Pass
443	17.0 - 23.0% of mass 442	6154	16.7	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR227-ICV224	CR4952.D	12/12/23	15:15	00:13	Initial cal verification 10

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-DFTPP
Lab File ID: F217391.D
Instrument ID: GCMSF
Injection Date: 11/11/23
Injection Time: 01:36

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	40666	38.2		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	46482	43.6		Pass
70	Less than 2.0% of mass 69	173	0.16	(0.37) [a]	Pass
127	40.0 - 60.0% of mass 198	48202	45.2		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	106562	100.0		Pass
199	5.0 - 9.0% of mass 198	7025	6.59		Pass
275	10.0 - 30.0% of mass 198	29258	27.5		Pass
365	1.0 - 100.0% of mass 198	4109	3.86		Pass
441	Present, but less than mass 443	15379	14.4	(83.2) [b]	Pass
442	40.0 - 100.0% of mass 198	97061	91.1		Pass
443	17.0 - 23.0% of mass 442	18487	17.3	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9627-ICC9627	F217392.D	11/11/23	02:48	01:12	Initial cal 50
EF9627-IC9627	F217393.D	11/11/23	03:14	01:38	Initial cal 1
EF9627-IC9627	F217394.D	11/11/23	03:39	02:03	Initial cal 100
EF9627-IC9627	F217395.D	11/11/23	04:05	02:29	Initial cal 2
EF9627-IC9627	F217396.D	11/11/23	04:30	02:54	Initial cal 80
EF9627-IC9627	F217397.D	11/11/23	04:55	03:19	Initial cal 5
EF9627-IC9627	F217398.D	11/11/23	05:20	03:44	Initial cal 25
EF9627-IC9627	F217399.D	11/11/23	05:46	04:10	Initial cal 10
EF9627-ICV9627	F217400.D	11/11/23	06:11	04:35	Initial cal verification 50
EF9627-ICV9627	F217401.D	11/11/23	06:36	05:00	Initial cal verification 50
EF9627-ICV9627	F217402.D	11/11/23	07:01	05:25	Initial cal verification 50
EF9627-ICV9627	F217403.D	11/11/23	07:26	05:50	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9629-DFTPP
Lab File ID: F217416.D
Instrument ID: GCMSF
Injection Date: 11/16/23
Injection Time: 07:58

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	21556	38.9		Pass
68	Less than 2.0% of mass 69	51	0.09	(0.21) [a]	Pass
69	Mass 69 relative abundance	24416	44.1		Pass
70	Less than 2.0% of mass 69	106	0.19	(0.43) [a]	Pass
127	40.0 - 60.0% of mass 198	25811	46.6		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	55370	100.0		Pass
199	5.0 - 9.0% of mass 198	3940	7.12		Pass
275	10.0 - 30.0% of mass 198	15592	28.2		Pass
365	1.0 - 100.0% of mass 198	1961	3.54		Pass
441	Present, but less than mass 443	8209	14.8	(79.5) [b]	Pass
442	40.0 - 100.0% of mass 198	52645	95.1		Pass
443	17.0 - 23.0% of mass 442	10326	18.6	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9629-ICC9629	F217418.D	11/16/23	08:34	00:36	Initial cal 50
EF9629-IC9629	F217419.D	11/16/23	09:00	01:02	Initial cal 25
EF9629-IC9629	F217420.D	11/16/23	09:29	01:31	Initial cal 100
EF9629-IC9629	F217421.D	11/16/23	09:55	01:57	Initial cal 80
EF9629-IC9629	F217422.D	11/16/23	10:21	02:23	Initial cal 10
EF9629-IC9629	F217423.D	11/16/23	10:47	02:49	Initial cal 5
EF9629-IC9629	F217424.D	11/16/23	11:13	03:15	Initial cal 2
EF9629-IC9629	F217425.D	11/16/23	11:39	03:41	Initial cal 1
EF9629-ICV9629	F217426.D	11/16/23	12:05	04:07	Initial cal verification 50
EF9629-ICV9628	F217427.D	11/16/23	12:31	04:33	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9666-DFTPP
Lab File ID: F218156.D
Instrument ID: GCMSF
Injection Date: 12/20/23
Injection Time: 10:21

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	16265	40.4		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	18994	47.2		Pass
70	Less than 2.0% of mass 69	59	0.15	(0.31) [a]	Pass
127	40.0 - 60.0% of mass 198	17849	44.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	40216	100.0		Pass
199	5.0 - 9.0% of mass 198	2767	6.88		Pass
275	10.0 - 30.0% of mass 198	11013	27.4		Pass
365	1.0 - 100.0% of mass 198	1497	3.72		Pass
441	Present, but less than mass 443	5655	14.1	(86.1) [b]	Pass
442	40.0 - 100.0% of mass 198	34615	86.1		Pass
443	17.0 - 23.0% of mass 442	6568	16.3	(19.0) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EF9666-CC9627	F218157.D	12/20/23	11:11	00:50	Continuing cal 50
EF9666-CC9629	F218158.D	12/20/23	11:38	01:17	Continuing cal 50
EF9666-CC9627	F218160.D	12/20/23	12:30	02:09	Continuing cal 5
OP51257B-MB1	F218161.D	12/20/23	12:56	02:35	Method Blank
OP51257-MB1	F218161.D	12/20/23	12:56	02:35	Method Blank
OP51257B-BS1	F218162.D	12/20/23	13:22	03:01	Blank Spike
OP51257-BS1	F218162.D	12/20/23	13:22	03:01	Blank Spike
OP51257B-BSD	F218163.D	12/20/23	13:49	03:28	Blank Spike Duplicate
ZZZZZZ	F218164.D	12/20/23	14:15	03:54	(unrelated sample)
ZZZZZZ	F218165.D	12/20/23	14:41	04:20	(unrelated sample)
OP51257-MS	F218166.D	12/20/23	15:08	04:47	Matrix Spike
OP51257-MSD	F218167.D	12/20/23	15:34	05:13	Matrix Spike Duplicate
JD78899-3	F218168.D	12/20/23	16:00	05:39	(used for QC only; not part of job JD78884)
ZZZZZZ	F218169.D	12/20/23	16:27	06:06	(unrelated sample)
ZZZZZZ	F218170.D	12/20/23	16:53	06:32	(unrelated sample)
ZZZZZZ	F218171.D	12/20/23	17:19	06:58	(unrelated sample)
ZZZZZZ	F218172.D	12/20/23	17:45	07:24	(unrelated sample)
ZZZZZZ	F218173.D	12/20/23	18:12	07:51	(unrelated sample)
ZZZZZZ	F218174.D	12/20/23	18:38	08:17	(unrelated sample)

Instrument Performance Check (DFTPP)

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	EF9666-DFTPP	**Injection Date:**	12/20/23
Lab File ID:	F218156.D	**Injection Time:**	10:21
Instrument ID:	GCMSF		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
OP51213-BS1	F218175.D	12/20/23	19:04	08:43	Blank Spike
ZZZZZZ	F218176.D	12/20/23	19:30	09:09	(unrelated sample)
ZZZZZZ	F218177.D	12/20/23	19:56	09:35	(unrelated sample)
ZZZZZZ	F218178.D	12/20/23	20:22	10:01	(unrelated sample)
ZZZZZZ	F218179.D	12/20/23	20:48	10:27	(unrelated sample)

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: ECR234-CC224 **Injection Date:** 12/20/23
Lab File ID: CR5095.D **Injection Time:** 09:19
Instrument ID: GCMSCR **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	79800	4.93	304459	5.82	167571	7.17	303675	8.46	239473	11.00	272954	12.43
Check Std [b]	75378	4.91	274666	5.80	161399	7.14	304944	8.43	234038	10.98	292711	12.39
Upper Limit [c]	150756	5.08	549332	5.97	322798	7.31	609888	8.60	468076	11.15	585422	12.56
Lower Limit [d]	37689	4.74	137333	5.63	80700	6.97	152472	8.26	117019	10.81	146356	12.22

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP51213-MB1	82426	4.91	308968	5.80	182138	7.14	340640	8.43	268512	10.97	255818	12.38
JD78884-2	91754	4.91	333706	5.80	185488	7.14	332172	8.43	246585	10.97	231639	12.39
JD78884-3	88514	4.91	332440	5.80	194674	7.14	370809	8.43	285685	10.97	277385	12.39
ZZZZZZ	61536	4.91	212795	5.80	129436	7.15	249571	8.44	210442	10.97	219517	12.39
ZZZZZZ	60550	4.91	209311	5.80	127106	7.14	248463	8.43	215743	10.97	239991	12.39
JD78884-4	92065	4.91	339636	5.80	195968	7.14	363171	8.43	261995	10.97	244550	12.39
JD78884-5	94378	4.91	343676	5.80	192731	7.14	345417	8.43	252838	10.97	244126	12.38
JD78884-6	103534	4.91	393627	5.80	229911	7.14	421193	8.43	286222	10.97	255139	12.38
JD78884-7	76960	4.91	280999	5.80	160895	7.14	300687	8.43	246782	10.97	264621	12.38
JD78884-8	94709	4.91	341583	5.80	194321	7.14	353814	8.43	256677	10.97	240683	12.38
JD78884-12	90781	4.91	324608	5.80	184783	7.14	337876	8.43	248439	10.97	221313	12.38
JD78884-1	93246	4.91	335270	5.80	187443	7.14	336866	8.43	247961	10.97	247350	12.39
JD78884-11	99950	4.91	357373	5.80	194686	7.14	352911	8.43	253995	10.97	253526	12.40
JD78884-9	91733	4.91	329254	5.80	187580	7.14	344402	8.43	272497	10.97	294033	12.40
JD78884-10	82834	4.91	293517	5.80	167718	7.15	272455	8.45	197783	11.00	258792	12.44
OP51213-MS	82099	4.91	304392	5.80	175579	7.14	332105	8.44	256387	10.98	262335	12.41
OP51213-MSD	95350	4.91	351265	5.80	197140	7.14	345926	8.43	225391	10.98	255634	12.40
ZZZZZZ	61811	4.91	231372	5.80	140066	7.14	255634	8.43	207153	10.97	229359	12.39
ZZZZZZ	94595	4.91	342165	5.80	185788	7.14	326853	8.43	240131	10.97	250761	12.39
ZZZZZZ	84366	4.91	313594	5.80	179647	7.14	334124	8.43	260546	10.97	262770	12.39
ZZZZZZ	94493	4.91	339788	5.80	186391	7.14	329127	8.43	234931	10.97	234663	12.39
ZZZZZZ	89093	4.91	313309	5.80	174046	7.14	318221	8.43	248509	10.98	288137	12.41
ZZZZZZ	79362	4.91	296546	5.80	176340	7.14	332831	8.44	242407	11.00	251520	12.45
ZZZZZZ	87112	4.91	306921	5.81	170438	7.15	302001	8.44	245339	10.99	268979	12.44
ZZZZZZ	84129	4.91	288791	5.81	156101	7.15	272801	8.44	222184	10.99	239334	12.45
ZZZZZZ	65518	4.91	233863	5.81	133138	7.15	251054	8.44	202271	10.99	220832	12.42
ZZZZZZ	69216	4.91	254866	5.81	156570	7.15	292704	8.44	230248	10.99	244013	12.42
JD78884-10	65866	4.91	239415	5.81	137173	7.15	255526	8.44	201173	10.99	226222	12.42
ZZZZZZ	80076	4.91	297535	5.81	170908	7.15	309918	8.44	243925	10.99	244683	12.42
ZZZZZZ	63557	4.91	222181	5.81	119339	7.15	210939	8.44	173068	10.98	205156	12.41
ZZZZZZ	72329	4.91	271735	5.81	161794	7.15	308517	8.44	245958	10.99	246791	12.42
ZZZZZZ	70128	4.91	252229	5.81	146867	7.15	282094	8.44	236299	10.98	249532	12.41

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	ECR234-CC224	**Injection Date:**	12/20/23
Lab File ID:	CR5095.D	**Injection Time:**	09:19
Instrument ID:	GCMSCR	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ECR224-ICC224 CR4922.D 12/06/23 21:08
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: EF9666-CC9627 **Injection Date:** 12/20/23
Lab File ID: F218157.D **Injection Time:** 11:11
Instrument ID: GCMSF **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Check Std	71572	4.48	290205	5.41	185017	6.76	377826	8.56	395594	13.76	462012	16.80
Upper Limit [a]	143144	4.98	580410	5.91	370034	7.26	755652	9.06	791188	14.26	924024	17.30
Lower Limit [b]	35786	3.98	145103	4.91	92509	6.26	188913	8.06	197797	13.26	231006	16.30

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP51257B-MB1	65456	4.48	263457	5.40	162329	6.75	324695	8.55	331272	13.74	379501	16.78
OP51257-MB1	65456	4.48	263457	5.40	162329	6.75	324695	8.55	331272	13.74	379501	16.78
OP51257B-BS1	68084	4.48	278511	5.41	171919	6.75	335787	8.55	342839	13.75	378028	16.78
OP51257-BS1	68084	4.48	278511	5.41	171919	6.75	335787	8.55	342839	13.75	378028	16.78
OP51257B-BSD	67475	4.48	265899	5.41	160402	6.75	307380	8.55	302242	13.74	331031	16.78
ZZZZZZ	75427	4.48	310660	5.41	186242	6.75	353078	8.55	333713	13.75	359245	16.79
ZZZZZZ	58935	4.48	240290	5.40	150873	6.75	307573	8.55	309397	13.74	353794	16.78
OP51257-MS	69777	4.48	280932	5.41	172508	6.75	332312	8.55	324367	13.74	363843	16.78
OP51257-MSD	55705	4.48	222667	5.41	133113	6.75	256543	8.55	248905	13.74	284239	16.78
JD78899-3	63575	4.48	259080	5.40	158367	6.75	324852	8.55	323449	13.74	367566	16.78
ZZZZZZ	62109	4.48	248505	5.40	154560	6.75	315923	8.55	323957	13.73	364937	16.78
ZZZZZZ	65260	4.48	262043	5.40	166121	6.75	329920	8.55	325329	13.74	365986	16.78
ZZZZZZ	61851	4.48	250537	5.40	154450	6.75	310096	8.55	305700	13.73	337719	16.77
ZZZZZZ	66855	4.48	270968	5.40	166859	6.75	341302	8.55	344714	13.74	390952	16.78
ZZZZZZ	67931	4.48	268035	5.40	167078	6.75	332822	8.55	330254	13.74	361754	16.78
ZZZZZZ	73443	4.48	294905	5.40	180320	6.75	359953	8.55	350434	13.73	394206	16.78
OP51213-BS1	87191	4.48	358211	5.41	223075	6.75	438285	8.55	426128	13.74	223214*	16.78
ZZZZZZ	59172	4.48	235484	5.40	144421	6.75	290483	8.55	308603	13.73	361153	16.78
ZZZZZZ	61644	4.48	251244	5.40	155270	6.75	314016	8.55	312456	13.73	358854	16.78
ZZZZZZ	62258	4.48	250385	5.40	153365	6.75	307206	8.54	318276	13.73	364237	16.78
ZZZZZZ	73680	4.48	292544	5.40	176915	6.75	344899	8.55	360416	13.73	398860	16.78

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD78884-1	CR5110.D	39	40	55	42	45	51
JD78884-2	CR5100.D	44	46	68	48	53	60
JD78884-3	CR5101.D	17	20	61	18	27	57
JD78884-4	CR5104.D	43	44	58	46	48	55
JD78884-5	CR5105.D	32	35	67	34	42	61
JD78884-6	CR5106.D	39	40	52	40	41	51
JD78884-7	CR5107.D	22	32	69	27	46	58
JD78884-8	CR5108.D	47	49	68	53	55	63
JD78884-9	CR5112.D	37	42	62	42	49	54
JD78884-10	CR5126.D	49	50	69	50	63	70
JD78884-10	CR5113.D	45	46	60	49	50	58
JD78884-11	CR5111.D	45	46	66	49	54	61
JD78884-12	CR5109.D	28	31	56	32	41	54
OP51213-BS1	F218175.D	39	47	62	37	45	63
OP51213-MB1	CR5098.D	38	38	47	41	40	46
OP51213-MS	CR5114.D	31	39	67	38	45	62
OP51213-MSD	CR5115.D	50	50	69	53	56	68

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-99%
S2 = Phenol-d5	10-96%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	10-109%
S5 = 2-Fluorobiphenyl	11-109%
S6 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

Response Factor Report GCMSCR

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Initial Calibration

Calibration Files
2 =cr4924.D 5 =cr4925.D 25 =cr4927.D 80 =cr4928.D
100 =cr4929.D 50 =cr4922.D 1 =cr4923.D 10 =cr4926.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.686	0.623	0.535	0.609	0.599	0.608	0.620	0.607	0.611	6.72
3) Pyridine	1.624	1.655	1.471	1.690	1.672	1.688	1.651	1.693	1.643	4.47
4) N-Nitrosodim	0.760	0.807	0.746	0.856	0.851	0.854	0.738	0.843	0.807	6.38
5) 2-Fluorophen	1.293	1.323	1.180	1.326	1.318	1.329	1.314	1.376	1.308	4.33
6) Indene	2.377	2.424	1.992	1.946	1.855	2.102	2.423	2.435	2.194	11.20
7) Cumene	3.170	3.212	2.712	2.823	2.771	2.961	3.221	3.201	3.009	7.23
8) Phenol-d5	1.642	1.721	1.502	1.614	1.578	1.663	1.638	1.764	1.640	4.93
9) Phenol	1.822	1.890	1.628	1.710	1.650	1.775	1.819	1.931	1.778	6.13
10) Aniline	2.249	2.339	2.030	2.212	2.178	2.266	2.340	2.394	2.251	5.09
11) bis(2-Chloro	1.509	1.521	1.284	1.370	1.333	1.422	1.496	1.525	1.433	6.58
12) 2-Chlorophen	1.327	1.368	1.213	1.325	1.300	1.356	1.352	1.413	1.332	4.42
13) Decane	1.696	1.748	1.466	1.447	1.379	1.575	1.748	1.753	1.602	9.65
14) 1,3-Dichloro	1.575	1.603	1.334	1.423	1.382	1.471	1.561	1.600	1.494	7.05
15) 1,4-Dichloro	1.557	1.585	1.351	1.419	1.383	1.449	1.587	1.598	1.491	6.81
16) Benzyl alcoh	0.900	0.964	0.843	0.939	0.924	0.949	0.869	0.982	0.921	5.15
17) 1,2-Dichloro	1.497	1.545	1.312	1.366	1.347	1.431	1.510	1.569	1.447	6.71
18) Acetophenone	2.101	2.154	1.820	1.785	1.699	1.893	2.158	2.181	1.974	9.91
19) 2-Methylphen	1.322	1.347	1.178	1.249	1.229	1.284	1.308	1.387	1.288	5.25
20) 2,2'-oxybis(	0.407	0.431	0.356	0.352	0.341	0.377	0.417	0.424	0.388	9.27
21) 3&4-Methylph	1.400	1.422	1.196	1.171	1.129	1.255	1.360	1.445	1.297	9.59
22) n-Nitroso-di	0.913	0.989	0.833	0.857	0.850	0.907	0.948	0.998	0.912	6.91
23) Hexachloroet	0.495	0.489	0.457	0.513	0.509	0.509	0.511	0.518	0.500	3.94
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.350	0.382	0.350	0.388	0.379	0.387	0.349	0.397	0.373	5.24
26) Nitrobenzene	0.380	0.395	0.356	0.380	0.366	0.386	0.367	0.413	0.380	4.73
27) Quinoline	0.674	0.694	0.602	0.666	0.652	0.676	0.660	0.711	0.667	4.86
28) Isophorone	0.715	0.749	0.662	0.717	0.700	0.724	0.703	0.771	0.718	4.57
29) 2-Nitropheno	0.112	0.132	0.140	0.155	0.152	0.158	0.115	0.151	0.139	12.99
30) 2,4-Dimethyl	0.367	0.381	0.331	0.342	0.331	0.348	0.368	0.394	0.358	6.50
31) Benzoic acid		0.146	0.211	0.288	0.298	0.269		0.190	0.234	25.98
---- Quadratic regression ---- Coefficient = 0.9989										
Response Ratio = -0.01206 + 0.23024 *A + 0.03037 *A^2										
32) bis(2-Chloro	0.477	0.492	0.429	0.440	0.422	0.448	0.481	0.499	0.461	6.48
33) 2,4-Dichloro	0.283	0.300	0.269	0.292	0.285	0.291	0.277	0.310	0.288	4.49
34) 2,6-Dichloro	0.281	0.295	0.257	0.258	0.246	0.269	0.287	0.301	0.274	7.21
35) 1,3,5-Trichl	0.354	0.361	0.298	0.298	0.285	0.307	0.364	0.356	0.328	10.32
36) 1,2,4-Trichl	0.337	0.347	0.295	0.309	0.299	0.312	0.355	0.345	0.325	7.29
37) 1,2,3-Trichl	0.342	0.337	0.288	0.303	0.292	0.305	0.343	0.337	0.318	7.33
38) Naphthalene	1.102	1.107	0.937	0.933	0.897	0.980	1.148	1.113	1.027	9.74
39) 4-Chloroanil	0.447	0.470	0.393	0.378	0.356	0.409	0.452	0.469	0.422	10.32
40) 2,3-Dichloro	0.354	0.358	0.309	0.306	0.288	0.319	0.356	0.368	0.332	9.02
41) Hydroquinone	0.298	0.337	0.297	0.332	0.322	0.342	0.284	0.342	0.319	7.18
42) Hexachlorobu	0.177	0.182	0.159	0.170	0.164	0.168	0.179	0.180	0.172	4.79

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

```
43) 4-Chloro-3-m 0.296 0.323 0.292 0.310 0.305 0.311 0.289 0.334 0.308   5.06
44) 2-Methylnaph 0.606 0.613 0.527 0.533 0.514 0.556 0.608 0.629 0.573   7.93
45) 1-Methylnaph 0.586 0.604 0.518 0.526 0.504 0.542 0.606 0.606 0.561   7.72

46) I   Acenaphthene-d10      ----------------ISTD---------------------
47) Hexachlorocy 0.165 0.172 0.181 0.225 0.222 0.216 0.167 0.197 0.193  13.00
48) 1,2,4,5-tetr 0.615 0.604 0.517 0.536 0.514 0.551 0.635 0.615 0.573   8.56
49) 2,4,6-Trichl 0.341 0.368 0.332 0.342 0.332 0.356 0.326 0.388 0.348   6.08
50) 2,4,5-Trichl 0.366 0.407 0.374 0.413 0.397 0.413 0.347 0.416 0.392   6.63
51) 2-Fluorobiph 1.466 1.460 1.240 1.255 1.185 1.297 1.464 1.456 1.353   8.87
52) 2-Chloronaph 1.267 1.245 1.064 1.083 1.037 1.120 1.245 1.232 1.162   8.17
53) Biphenyl     1.620 1.634 1.371 1.372 1.275 1.431 1.606 1.619 1.491   9.66
54) 2-Nitroanili 0.257 0.315 0.334 0.379 0.367 0.383 0.257 0.361 0.332  15.46
55) Dimethylphth 1.315 1.345 1.189 1.262 1.210 1.271 1.284 1.388 1.283   5.15
56) Acenaphthyle 1.442 1.526 1.366 1.435 1.390 1.470 1.387 1.543 1.445   4.49
57) 2,6-Dinitrot 0.164 0.219 0.243 0.285 0.278 0.281 0.151 0.249 0.234  22.36
            ---- Quadratic regression ----  Coefficient =  0.9987
              Response Ratio = -0.00374 + 0.26057 *A + 0.00993 *A^2

58) 3-Nitroanili 0.240 0.305 0.311 0.358 0.348 0.348       0.332 0.320  12.67
59) Acenaphthene 1.344 1.319 1.141 1.145 1.068 1.190 1.339 1.331 1.235   8.98
60) 2,4-Dinitrop 0.034 0.053 0.086 0.135 0.140 0.119       0.073 0.092  44.99
            ---- Quadratic regression ----  Coefficient =  0.9980
              Response Ratio = -0.00681 + 0.08579 *A + 0.01190 *A^2

61) 4-Nitropheno 0.132 0.158 0.163 0.190 0.186 0.182       0.173 0.169  11.93
62) Dibenzofuran 1.788 1.774 1.514 1.505 1.435 1.610 1.754 1.793 1.647   8.98
63) 2,4-Dinitrot 0.243 0.310 0.336 0.379 0.364 0.383 0.198 0.360 0.322  20.99
            ---- Quadratic regression ----  Coefficient =  0.9986
              Response Ratio = -0.00530 + 0.37063 *A + 0.00129 *A^2

64) 2,3,4,6-Tetr 0.240 0.282 0.279 0.319 0.314 0.313 0.227 0.304 0.285  12.33
65) Diethylphtha 1.352 1.379 1.188 1.238 1.184 1.267 1.355 1.399 1.295   6.69
66) Fluorene     1.379 1.373 1.166 1.147 1.076 1.200 1.332 1.386 1.257   9.84
67) 4-Chlorophen 0.647 0.652 0.544 0.543 0.521 0.563 0.628 0.640 0.592   9.20
68) 4-Nitroanili 0.253 0.297 0.313 0.357 0.342 0.355       0.339 0.322  11.64

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.044 0.067 0.094 0.101 0.089       0.058 0.075  29.78
            ---- Quadratic regression ----  Coefficient =  0.9988
              Response Ratio = -0.00410 + 0.07203 *A + 0.01229 *A^2

71) n-Nitrosodip 0.600 0.645 0.559 0.555 0.537 0.590 0.572 0.646 0.588   6.89
72) 1,2-Diphenyl 0.750 0.809 0.708 0.701 0.679 0.751 0.720 0.827 0.743   7.03
73) pentachloron       0.026 0.029 0.032 0.032 0.034       0.029 0.030#  9.13
74) 2,4,6-Tribro 0.063 0.071 0.078 0.091 0.093 0.092       0.084 0.082  14.24
75) 4-Bromopheny 0.173 0.182 0.169 0.178 0.178 0.186 0.178 0.190 0.179   3.65
76) Hexachlorobe 0.194 0.206 0.185 0.196 0.192 0.199 0.204 0.207 0.198   3.79
77) Pentachlorop 0.067 0.096 0.110 0.123 0.121 0.124       0.113 0.108  18.90
78) Phenanthrene 1.117 1.121 0.948 0.936 0.916 0.998 1.115 1.119 1.034   9.00
79) Anthracene   1.042 1.098 0.971 0.972 0.947 1.025 1.014 1.122 1.024   6.07
80) Carbazole    1.004 1.064 0.925 0.935 0.911 0.992 0.975 1.074 0.985   6.23
81) Di-n-butylph 0.897 1.083 1.078 1.094 1.058 1.161 0.853 1.164 1.048  10.89
82) Fluoranthene 1.011 1.099 1.001 1.027 1.019 1.083 0.963 1.157 1.045   6.03
83) Octadecane   0.473 0.569 0.535 0.499 0.471 0.561 0.408 0.617 0.517  12.90

84) I   Chrysene-d12          ----------------ISTD---------------------
85) benzidine          0.675 0.776 0.941 0.938 0.932       0.784 0.841  13.31
86) Pyrene       1.354 1.520 1.315 1.411 1.426 1.453 1.354 1.537 1.421   5.61
87) Terphenyl-d1 0.971 1.038 0.918 0.996 0.997 0.983 0.898 1.044 0.981   5.25
```

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

```
 88) Butylbenzylp 0.305 0.450 0.523 0.632 0.640 0.640       0.531 0.532  23.26
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.01525 + 0.58024 *A + 0.02901 *A^2

 89) Benzo[a]anth 1.172 1.270 1.171 1.302 1.302 1.314 1.230 1.337 1.262   5.11
 90) 3,3'-Dichlor 0.292 0.391 0.432 0.521 0.526 0.505       0.442 0.444  18.96
 91) Chrysene     1.319 1.350 1.123 1.183 1.190 1.218 1.302 1.337 1.253   6.76
 92) bis(2-Ethylh 0.512 0.718 0.790 0.846 0.846 0.873       0.843 0.776  16.38

 93) I   Perylene-d12          ----------------ISTD---------------------
 94) Di-n-octylph 0.516 0.849 1.194 1.407 1.345 1.445       1.163 1.131  29.84
             ---- Quadratic regression ----  Coefficient =  0.9974
               Response Ratio = -0.05332 + 1.39932 *A + 0.00084 *A^2

 95) Benzo[b]fluo 0.849 0.999 0.963 1.082 1.088 1.085 0.785 1.102 0.994  12.16
 96) Benzo[k]fluo 1.102 1.213 1.085 1.087 1.012 1.108 1.139 1.277 1.128   7.32
 97) Benzo[a]pyre 0.594 0.771 0.825 0.970 0.963 0.950 0.575 0.873 0.815  19.42
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01008 + 0.87336 *A + 0.04297 *A^2

 98) Indeno[1,2,3 0.752 0.908 0.999 1.169 1.157 1.143 0.726 1.062 0.990  17.99
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01138 + 1.05384 *A + 0.05021 *A^2


 99) Dibenz(a,h)a       0.533 0.681 0.847 0.853 0.839       0.696 0.742  17.31
100) Dibenz[a,h]a 0.674 0.753 0.859 1.018 1.001 1.011 0.562 0.921 0.850  20.15
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.01166 + 0.92601 *A + 0.03940 *A^2

101) 7,12-Dimethy 0.354 0.419 0.412 0.460 0.464 0.465 0.313 0.455 0.418  13.62
102) Benzo[g,h,i] 0.776 0.805 0.885 1.016 1.016 1.006 0.865 0.946 0.915  10.49


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MCR224.m          Tue Dec 12 13:50:49 2023
```

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4933.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4933.D Vial: 11
Acq On : 07 Dec 2023 12:44 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	4.93
9 t	Phenol	1.778	1.703	4.2	115	0.00	4.66
12 t	2-Chlorophenol	1.332	1.287	3.4	114	0.00	4.78
19 t	2-Methylphenol	1.288	1.210	6.1	113	0.00	5.08
21 t	3&4-Methylphenol	1.297	1.198	7.6	114	0.00	5.18
24 I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.82
29 t	2-Nitrophenol	0.139	0.167	-20.1	124	0.00	5.55
30 t	2,4-Dimethylphenol	0.358	0.351	2.0	118	0.00	5.56
	----------	True	Calc.	% Drift	----------		
31 t	Benzoic acid	50.000	52.966	-5.9	121	0.00	5.66
	----------	AvgRF	CCRF	% Dev	----------		
33 t	2,4-Dichlorophenol	0.288	0.287	0.3	116	0.00	5.71
34 t	2,6-Dichlorophenol	0.274	0.287	-4.7	125	0.00	5.87
41 t	Hydroquinone	0.319	0.372	-16.6	128	0.04	6.14
43 t	4-Chloro-3-methylphenol	0.308	0.308	0.0	116	0.00	6.21
46 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	7.16
49 t	2,4,6-Trichlorophenol	0.348	0.400	-14.9	128	0.00	6.55
50 t	2,4,5-Trichlorophenol	0.392	0.438	-11.7	121	0.00	6.58
	----------	True	Calc.	% Drift	----------		
60 t	2,4-Dinitrophenol	100.000	109.932	-9.9	122	0.00	7.21
	----------	AvgRF	CCRF	% Dev	----------		
61 t	4-Nitrophenol	0.169	0.194	-14.8	122	0.00	7.24
	----------	AvgRF	CCRF	% Dev	----------		
64	2,3,4,6-Tetrachlorophenol	0.285	0.335	-17.5	122	0.00	7.43
69 I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00	8.46
	----------	True	Calc.	% Drift	----------		
70 t	4,6-Dinitro-2-methylpheno	50.000	54.493	-9.0	127	-0.01	7.66
77 t	Pentachlorophenol	0.108	0.127	-17.6	123	0.00	8.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7.7.2

7

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4933.D

cr4922.D MCR224.m Tue Dec 12 13:51:07 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4934.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4934.D Vial: 12
Acq On : 07 Dec 2023 01:03 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00	4.93
3 t	Pyridine	1.643	1.541	6.2	111	0.00	3.17
4 t	N-Nitrosodimethylamine	0.807	0.818	-1.4	116	0.00	3.15
10	Aniline	2.251	2.148	4.6	115	0.00	4.70
22 t	n-Nitroso-di-n-propylamin	0.912	0.915	-0.3	123	-0.01	5.20
24 I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.82
39 t	4-Chloroaniline	0.422	0.426	-0.9	124	0.00	5.87
46 I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00	7.16
54 t	2-Nitroaniline	0.332	0.367	-10.5	113	0.00	6.80
	----------	AvgRF	CCRF	% Dev	----------		
58 t	3-Nitroaniline	0.320	0.348	-8.7	118	-0.01	7.13
68 t	4-Nitroaniline	0.322	0.339	-5.3	113	0.00	7.64
69 I	Phenanthrene-d10	1.000	1.000	0.0	126	0.00	8.46
	----------	AvgRF	CCRF	% Dev	----------		
71 t	n-Nitrosodiphenylamine	0.588	0.567	3.6	121	0.00	7.72
84 I	Chrysene-d12	1.000	1.000	0.0	128	-0.01	10.99
85	benzidine	0.841	0.928	-10.3	128	0.00	9.73
90 t	3,3'-Dichlorobenzidine	0.444	0.480	-8.1	122	-0.01	10.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4922.D MCR224.m Tue Dec 12 13:51:11 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4935.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4935.D Vial: 13
Acq On : 07 Dec 2023 01:23 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	4.93
5	S	2-Fluorophenol	1.308	1.425	-8.9	90	0.00	4.04
8	S	Phenol-d5	1.640	1.800	-9.8	90	0.00	4.66
24	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	5.82
25	S	Nitrobenzene-d5	0.373	0.418	-12.1	88	0.00	5.31
46	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00	7.16
51	S	2-Fluorobiphenyl	1.353	1.473	-8.9	90	0.00	6.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	8.45
74	S	2,4,6-Tribromophenol	0.082	0.091	-11.0	81	0.00	7.83
84	I	Chrysene-d12	1.000	1.000	0.0	84	-0.01	10.99
87	S	Terphenyl-d14	0.981	1.075	-9.6	92	0.00	9.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4922.D MCR224.m Tue Dec 12 13:51:14 2023

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-ICC225
Lab FileID: CR4937.D

Response Factor Report GCMSCR

Method : C:\msdchem\1\methods\MCR225.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 15:30:02 2023
Response via : Initial Calibration

Calibration Files
2 =cr4939.D 5 =cr4940.D 25 =cr4942.D 80 =cr4943.D
100 =cr4944.D 50 =cr4937.D 1 =cr4938.D 10 =cr4941.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
103) 1,4-Dichlorobenzene-d	ISTD								
104) Benzaldehyde	1.403	1.127	1.117	1.068	1.281	1.151	1.092	1.203	1.180 9.50
105) Phenanthrene-d10a	ISTD								
106) Atrazine	0.075	0.064	0.083	0.086	0.104	0.090	0.072	0.082	15.77
107) I Naphthalene-d8a	ISTD								
108) Caprolactam	0.146	0.133	0.158	0.174	0.208	0.178	0.149	0.164	15.33
109) Phenanthrene-d10b	ISTD								
110) 1-chloroocta	0.279	0.261	0.352	0.337	0.387	0.364	0.299	0.326	14.29
111) o-terphenyl	0.595	0.468	0.478	0.450	0.513	0.471	0.564	0.460	0.500 10.63

(#) = Out of Range ### Number of calibration levels exceeded format ###

MCR224.m Tue Dec 12 15:32:34 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-ICV225
Lab FileID: CR4945.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_225\cr4945.D Vial: 22
Acq On : 07 Dec 2023 06:45 am Operator: rocquans
Sample : icv225-50 Inst : GCMSCR
Misc : op50304,ecr225,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 15:30:02 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.93
104	Benzaldehyde	1.180	1.136	3.7	93	0.00	4.64
105	Phenanthrene-d10a	1.000	1.000	0.0	93	0.00	8.45
106	Atrazine	0.082	0.090	-9.8	92	0.00	8.19
107 I	Naphthalene-d8a	1.000	1.000	0.0	94	0.00	5.82
108 T	Caprolactam	0.164	0.173	-5.5	91	0.00	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 12 15:32:50 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_227\cr4952.D Vial: 2
Acq On : 12 Dec 2023 03:15 pm Operator: karimam
Sample : icv224-10 Inst : GCMSCR
Misc : op50304,ecr227,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	4.93
2	t	1,4-Dioxane	0.611	0.672	-10.0	96	0.00	2.94
6	t	Indene	2.194	2.315	-5.5	96	0.00	5.11
7	t	Cumene	3.009	3.242	-7.7	95	0.00	4.39
11	t	bis(2-Chloroethyl)ether	1.433	1.560	-8.9	95	0.00	4.74
13	t	Decane	1.602	1.759	-9.8	97	0.00	4.81
14	t	1,3-Dichlorobenzene	1.494	1.619	-8.4	96	0.00	4.89
15	t	1,4-Dichlorobenzene	1.491	1.642	-10.1	98	0.00	4.94
16	t	Benzyl alcohol	0.921	0.989	-7.4	91	0.00	5.01
17	t	1,2-Dichlorobenzene	1.447	1.570	-8.5	95	0.00	5.05
18	t	Acetophenone	1.974	2.173	-10.1	100	0.00	5.20
20	t	2,2'-oxybis(1-Chloropropa	0.388	0.415	-7.0	96	0.00	5.10
23	t	Hexachloroethane	0.500	0.555	-11.0	95	0.00	5.28
24	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00	5.82
26	t	Nitrobenzene	0.380	0.409	-7.6	91	0.00	5.32
27	t	Quinoline	0.667	0.711	-6.6	91	-0.02	6.08
28	t	Isophorone	0.718	0.773	-7.7	92	-0.01	5.48

		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.461	0.501	-8.7	97	0.00	5.63
35		1,3,5-Trichlorobenzene	0.328	0.361	-10.1	102	0.00	5.55
36	t	1,2,4-Trichlorobenzene	0.325	0.347	-6.8	96	0.00	5.77
37		1,2,3-Trichlorobenzene	0.318	0.340	-6.9	96	0.00	5.93
38	t	Naphthalene	1.027	1.084	-5.6	95	0.00	5.84
40	t	2,3-Dichloroaniline	0.332	0.365	-9.9	99	0.00	6.56
42	t	Hexachlorobutadiene	0.172	0.189	-9.9	97	0.00	5.92
44	t	2-Methylnaphthalene	0.573	0.614	-7.2	95	0.00	6.34
45	t	1-Methylnaphthalene	0.561	0.602	-7.3	96	0.00	6.42
46	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00	7.16
47	t	Hexachlorocyclopentadiene	0.193	0.231	-19.7	92	0.00	6.46
48		1,2,4,5-tetrachlorobenzen	0.573	0.610	-6.5	95	0.00	6.47
52	t	2-Chloronaphthalene	1.162	1.252	-7.7	96	0.00	6.72
53	t	Biphenyl	1.491	1.587	-6.4	95	0.00	6.70
55	t	Dimethylphthalate	1.283	1.420	-10.7	96	0.00	6.94
56	t	Acenaphthylene	1.445	1.667	-15.4	97	0.00	7.05

		----------	True	Calc.	% Drift	----------		

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

57	t	2,6-Dinitrotoluene	50.000	50.710	-1.4	84	0.00	6.99
			AvgRF	CCRF	% Dev			
59	t	Acenaphthene	1.235	1.323	-7.1	95	0.00	7.19
			AvgRF	CCRF	% Dev			
62	t	Dibenzofuran	1.647	1.792	-8.8	96	0.00	7.34
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	50.213	-0.4	83	0.00	7.32
			AvgRF	CCRF	% Dev			
65	t	Diethylphthalate	1.295	1.388	-7.2	94	0.00	7.52
66	t	Fluorene	1.257	1.341	-6.7	96	0.00	7.62
67	t	4-Chlorophenyl-phenylethe	0.592	0.636	-7.4	97	0.00	7.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.46
			AvgRF	CCRF	% Dev			
72	t	1,2-Diphenylhydrazine	0.743	0.823	-10.8	96	0.00	7.76
73		pentachloronitrobenzene	0.030	0.032#	-6.7	85	0.00	8.29
75	t	4-Bromophenyl-phenylether	0.179	0.197	-10.1	93	0.00	8.05
76	t	Hexachlorobenzene	0.198	0.223	-12.6	98	0.00	8.10
78	t	Phenanthrene	1.034	1.105	-6.9	97	0.00	8.48
79	t	Anthracene	1.024	1.121	-9.5	96	0.00	8.53
80	t	Carbazole	0.985	1.093	-11.0	97	0.00	8.67
81	t	Di-n-butylphthalate	1.048	1.228	-17.2	93	0.00	8.99
82	t	Fluoranthene	1.045	1.188	-13.7	96	0.00	9.60
83	t	Octadecane	0.517	0.628	-21.5	98	0.00	8.34
84	I	Chrysene-d12	1.000	1.000	0.0	85	0.00	11.00
86	t	Pyrene	1.421	1.649	-16.0	96	0.00	9.82
			True	Calc.	% Drift			
88	t	Butylbenzylphthalate	50.000	54.229	-8.5	87	0.00	10.45
			AvgRF	CCRF	% Dev			
89	t	Benzo[a]anthracene	1.262	1.433	-13.5	92	0.00	10.99
91	t	Chrysene	1.253	1.405	-12.1	98	0.00	11.03
92	t	bis(2-Ethylhexyl)phthalat	0.776	0.926	-19.3	90	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	83	0.00	12.42
			True	Calc.	% Drift			
94	t	Di-n-octylphthalate	50.000	58.190	-16.4	91	0.00	11.64
			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	0.994	1.279	-28.7	98	0.00	12.03
96	t	Benzo[k]fluoranthene	1.128	1.267	-12.3	95	0.00	12.05
			True	Calc.	% Drift			
97	t	Benzo[a]pyrene	50.000	59.431	-18.9	97	0.00	12.36
98	t	Indeno[1,2,3-cd]pyrene	50.000	58.742	-17.5	96	-0.01	13.74
			AvgRF	CCRF	% Dev			
99	t	Dibenz(a,h)acridine	0.742	0.917	-23.6	91	0.00	13.43
			True	Calc.	% Drift			
100	t	Dibenz[a,h]anthracene	50.000	58.711	-17.4	94	-0.01	13.77

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

		AvgRF	CCRF	% Dev			
101 t	7,12-Dimethylbenz(a)anthr	0.418	0.525	-25.6	94	0.00	12.01
102 t	Benzo[g,h,i]perylene	0.915	1.145	-25.1	94	-0.01	14.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 12 16:27:26 2023

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR234-CC224
Lab FileID: CR5095.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA2\ECR_234\cr5095.D Vial: 1
Acq On : 20 Dec 2023 09:19 am Operator: karimam
Sample : cc224-50 Inst : GCMSCR
Misc : op51095,ecr234,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : V:\gbs\Dayton\MS...Methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.03	4.91
2	t	1,4-Dioxane	0.611	0.528	13.6	82	-0.09	2.86
3	t	Pyridine	1.643	1.402	14.7	78	-0.07	3.10
4	t	N-Nitrosodimethylamine	0.807	0.716	11.3	79	-0.07	3.07
5	S	2-Fluorophenol	1.308	1.222	6.6	87	-0.03	4.00
6	t	Indene	2.194	1.942	11.5	87	-0.03	5.08
7	t	Cumene	3.009	2.800	6.9	89	-0.04	4.36
8	S	Phenol-d5	1.640	1.501	8.5	85	-0.02	4.64
9	t	Phenol	1.778	1.550	12.8	82	-0.01	4.65
10		Aniline	2.251	1.970	12.5	82	-0.03	4.68
11	t	bis(2-Chloroethyl)ether	1.433	1.266	11.7	84	-0.03	4.71
12	t	2-Chlorophenol	1.332	1.284	3.6	89	-0.02	4.76
13	t	Decane	1.602	1.417	11.5	85	-0.03	4.78
14	t	1,3-Dichlorobenzene	1.494	1.450	2.9	93	-0.02	4.87
15	t	1,4-Dichlorobenzene	1.491	1.439	3.5	94	-0.03	4.92
16	t	Benzyl alcohol	0.921	0.879	4.6	87	-0.02	5.00
17	t	1,2-Dichlorobenzene	1.447	1.382	4.5	91	-0.03	5.02
18	t	Acetophenone	1.974	1.680	14.9	84	-0.02	5.18
19	t	2-Methylphenol	1.288	1.167	9.4	86	-0.02	5.07
20	t	2,2'-oxybis(1-Chloropropa	0.388	0.354	8.8	89	-0.03	5.08
21	t	3&4-Methylphenol	1.297	1.081	16.7	81	-0.01	5.18
22	t	n-Nitroso-di-n-propylamin	0.912	0.771	15.5	80	-0.03	5.18
23	t	Hexachloroethane	0.500	0.560	-12.0	104	-0.03	5.26
24	I	Naphthalene-d8	1.000	1.000	0.0	90	-0.02	5.80
25	S	Nitrobenzene-d5	0.373	0.380	-1.9	89	-0.02	5.29
26	t	Nitrobenzene	0.380	0.367	3.4	86	-0.02	5.31
27	t	Quinoline	0.667	0.624	6.4	83	-0.02	6.07
28	t	Isophorone	0.718	0.686	4.5	85	-0.02	5.47
29	t	2-Nitrophenol	0.139	0.175	-25.9#	100	-0.02	5.53
30	t	2,4-Dimethylphenol	0.358	0.370	-3.4	96	-0.02	5.55
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	54.133	-8.3	95	0.00	5.66
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.461	0.428	7.2	86	-0.02	5.61
33	t	2,4-Dichlorophenol	0.288	0.313	-8.7	97	-0.01	5.70
34	t	2,6-Dichlorophenol	0.274	0.294	-7.3	99	-0.02	5.86
35		1,3,5-Trichlorobenzene	0.328	0.341	-4.0	100	-0.02	5.53
36	t	1,2,4-Trichlorobenzene	0.325	0.339	-4.3	98	-0.03	5.75
37		1,2,3-Trichlorobenzene	0.318	0.325	-2.2	96	-0.02	5.92

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR234-CC224
Lab FileID: CR5095.D

38	t	Naphthalene	1.027	0.962	6.3	89	-0.02	5.82
39	t	4-Chloroaniline	0.422	0.409	3.1	90	-0.02	5.85
40	t	2,3-Dichloroaniline	0.332	0.338	-1.8	95	-0.02	6.54
41	t	Hydroquinone	0.319	0.330	-3.4	87	0.04	6.14
42	t	Hexachlorobutadiene	0.172	0.197	-14.5	106	-0.02	5.90
43	t	4-Chloro-3-methylphenol	0.308	0.325	-5.5	94	-0.01	6.21
44	t	2-Methylnaphthalene	0.573	0.574	-0.2	93	-0.03	6.32
45	t	1-Methylnaphthalene	0.561	0.561	0.0	94	-0.02	6.40
46	I	Acenaphthene-d10	1.000	1.000	0.0	96	-0.03	7.14
47	t	Hexachlorocyclopentadiene	0.193	0.255	-32.1#	114	-0.03	6.43
48		1,2,4,5-tetrachlorobenzen	0.573	0.586	-2.3	102	-0.02	6.45
49	t	2,4,6-Trichlorophenol	0.348	0.374	-7.5	101	-0.02	6.54
50	t	2,4,5-Trichlorophenol	0.392	0.441	-12.5	103	-0.01	6.57
51	S	2-Fluorobiphenyl	1.353	1.321	2.4	98	-0.03	6.60
52	t	2-Chloronaphthalene	1.162	1.121	3.5	96	-0.03	6.70
53	t	Biphenyl	1.491	1.412	5.3	95	-0.03	6.68
54	t	2-Nitroaniline	0.332	0.362	-9.0	91	-0.02	6.78
55	t	Dimethylphthalate	1.283	1.286	-0.2	97	-0.03	6.92
56	t	Acenaphthylene	1.445	1.441	0.3	94	-0.03	7.03
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	53.626	-7.3	100	-0.03	6.97
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.320	0.299	6.6	83	-0.02	7.12
59	t	Acenaphthene	1.235	1.166	5.6	94	-0.03	7.17
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	134.123	-34.1#	134	-0.02	7.20
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.169	0.169	0.0	89	0.00	7.25
62	t	Dibenzofuran	1.647	1.560	5.3	93	-0.03	7.31
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	53.417	-6.8	99	-0.03	7.30
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.285	0.346	-21.4#	106	-0.03	7.41
65	t	Diethylphthalate	1.295	1.265	2.3	96	-0.03	7.50
66	t	Fluorene	1.257	1.211	3.7	97	-0.03	7.60
67	t	4-Chlorophenyl-phenylethe	0.592	0.598	-1.0	102	-0.03	7.59
68	t	4-Nitroaniline	0.322	0.298	7.5	81	-0.02	7.63
69	I	Phenanthrene-d10	1.000	1.000	0.0	100	-0.03	8.43
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	65.702	-31.4#	134	-0.02	7.65
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.588	0.554	5.8	94	-0.03	7.69
72	t	1,2-Diphenylhydrazine	0.743	0.649	12.7	87	-0.03	7.73
73		pentachloronitrobenzene	0.030	0.035#	-16.7	106	-0.03	8.27
74	S	2,4,6-Tribromophenol	0.082	0.105	-28.0#	114	-0.02	7.81
75	t	4-Bromophenyl-phenylether	0.179	0.192	-7.3	104	-0.03	8.02
76	t	Hexachlorobenzene	0.198	0.214	-8.1	108	-0.03	8.08
77	t	Pentachlorophenol	0.108	0.128	-18.5	103	-0.02	8.26
78	t	Phenanthrene	1.034	0.958	7.4	96	-0.03	8.46
79	t	Anthracene	1.024	1.000	2.3	98	-0.03	8.50

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR234-CC224
Lab FileID: CR5095.D

80	t	Carbazole	0.985	0.958	2.7	97	-0.02	8.65
81	t	Di-n-butylphthalate	1.048	1.126	-7.4	97	-0.04	8.96
82	t	Fluoranthene	1.045	1.104	-5.6	102	-0.03	9.57
83	t	Octadecane	0.517	0.491	5.0	88	-0.04	8.31
84	I	Chrysene-d12	1.000	1.000	0.0	98	-0.03	10.98
85		benzidine	0.841	0.757	10.0	79	-0.02	9.72
86	t	Pyrene	1.421	1.486	-4.6	100	-0.03	9.80
87	S	Terphenyl-d14	0.981	1.075	-9.6	107	-0.03	9.94
		----------	True	Calc.	% Drift		----------	
88	t	Butylbenzylphthalate	50.000	54.453	-8.9	101	-0.04	10.42
		----------	AvgRF	CCRF	% Dev		----------	
89	t	Benzo[a]anthracene	1.262	1.348	-6.8	100	-0.03	10.96
90	t	3,3'-Dichlorobenzidine	0.444	0.551	-24.1#	106	-0.03	10.94
91	t	Chrysene	1.253	1.304	-4.1	105	-0.03	11.00
92	t	bis(2-Ethylhexyl)phthalat	0.776	0.902	-16.2	101	-0.04	10.98
93	I	Perylene-d12	1.000	1.000	0.0	107	-0.03	12.39
		----------	True	Calc.	% Drift		----------	
94	t	Di-n-octylphthalate	50.000	49.279	1.4	99	-0.04	11.60
		----------	AvgRF	CCRF	% Dev		----------	
95	t	Benzo[b]fluoranthene	0.994	1.118	-12.5	111	-0.03	12.00
96	t	Benzo[k]fluoranthene	1.128	1.011	10.4	98	-0.03	12.03
		----------	True	Calc.	% Drift		----------	
97	t	Benzo[a]pyrene	50.000	52.686	-5.4	110	-0.03	12.34
98	t	Indeno[1,2,3-cd]pyrene	50.000	54.760	-9.5	114	-0.05	13.71
		----------	AvgRF	CCRF	% Dev		----------	
99	t	Dibenz(a,h)acridine	0.742	0.912	-22.9#	117	-0.05	13.38
		----------	True	Calc.	% Drift		----------	
100	t	Dibenz[a,h]anthracene	50.000	54.651	-9.3	113	-0.05	13.73
		----------	AvgRF	CCRF	% Dev		----------	
101	t	7,12-Dimethylbenz(a)anthr	0.418	0.416	0.5	96	-0.03	11.98
102	t	Benzo[g,h,i]perylene	0.915	1.084	-18.5	115	-0.05	14.10

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Wed Dec 20 17:17:40 2023 YING

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR234-CC225
Lab FileID: CR5096.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA2\ECR_234\cr5096.D Vial: 2
Acq On : 20 Dec 2023 09:39 am Operator: karimam
Sample : cc225-50 Inst : GCMSCR
Misc : op51095,ecr234,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : V:\gbs\Dayton\MS...Methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	79	-0.02	4.91
104	Benzaldehyde	1.180	1.069	9.4	74	-0.03	4.61
105	Phenanthrene-d10a	1.000	1.000	0.0	79	-0.03	8.43
106	Atrazine	0.082	0.093	-13.4	82	-0.03	8.16
107 I	Naphthalene-d8a	1.000	1.000	0.0	77	-0.02	5.80
108 T	Caprolactam	0.164	0.167	-1.8	72	-0.02	6.11
109	Phenanthrene-d10b	1.000	1.000	0.0	79	-0.03	8.43
110 s	1-chlorooctadecane	0.326	0.338	-3.7	73	-0.04	9.44
111 s	o-terphenyl	0.500	0.493	1.4	82	-0.04	8.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Wed Dec 20 17:17:44 2023 YING

7.7.9

7

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICC9627
Lab FileID: F217392.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Nov 15 11:55:07 2023
Response via : Initial Calibration

Calibration Files
2 =F217395.D 5 =F217397.D 25 =F217398.D 80 =F217396.D
100 =F217394.D 50 =F217392.D 10 =F217399.D 1 =F217393.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.603	0.591	0.451	0.532	0.542	0.553	0.528	0.466	0.533	10.08
3) Pyridine	1.066	1.351	1.244	1.472	1.533	1.518	1.371		1.365	12.24
4) N-Nitrosodim	0.485	0.679	0.526	0.635	0.652	0.679	0.590		0.607	12.56
5) 2-Fluorophen	0.699	1.001	0.983	1.220	1.231	1.211	1.033		1.054	18.06
6) Indene	2.137	2.161	1.883	2.169	2.238	2.214	2.218	2.150	2.146	5.23
7) Cumene	2.660	2.776	2.439	2.803	2.911	2.903	2.807	2.577	2.734	6.00
8) Phenol-d5	1.228	1.365	1.291	1.536	1.567	1.535	1.486	1.128	1.392	11.76
9) Phenol	1.352	1.570	1.500	1.792	1.851	1.821	1.722	1.309	1.615	13.21
10) Aniline	1.531	1.743	1.681	2.047	2.109	2.041	1.915	1.412	1.810	14.28
11) bis(2-Chloro	1.215	1.341	1.089	1.279	1.310	1.296	1.258	1.235	1.253	6.20
12) 2-Chlorophen	1.062	1.217	1.132	1.328	1.346	1.333	1.277	0.957	1.206	11.89
13) Decane	1.494	1.562	1.344	1.527	1.604	1.615	1.599	1.704	1.556	6.83
14) 1,3-Dichloro	1.447	1.515	1.311	1.487	1.534	1.527	1.533	1.556	1.488	5.32
15) 1,4-Dichloro	1.555	1.569	1.355	1.552	1.574	1.543	1.611	1.599	1.545	5.18
16) Benzyl alcoh	0.670	0.780	0.715	0.882	0.893	0.887	0.786		0.802	11.09
17) 1,2-Dichloro	1.402	1.466	1.284	1.471	1.499	1.471	1.543	1.398	1.442	5.52
18) Acetophenone	1.591	1.775	1.611	1.930	1.937	1.921	1.906	1.610	1.785	8.88
19) 2-Methylphen	1.132	1.176	1.071	1.237	1.262	1.236	1.261	1.020	1.174	7.84
20) 2,2'-oxybis(	0.326	0.335	0.310	0.367	0.375	0.373	0.369	0.280	0.342	10.24
21) 3&4-Methylph	1.110	1.215	1.102	1.271	1.282	1.290	1.294	1.107	1.209	7.31
22) n-Nitroso-di	0.898	0.921	0.805	0.992	0.998	0.996	0.951	0.816	0.922	8.44
23) Hexachloroet	0.561	0.587	0.504	0.590	0.598	0.586	0.613	0.449	0.561	10.00
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.315	0.346	0.316	0.378	0.381	0.375	0.367	0.307	0.348	9.00
26) Nitrobenzene	0.334	0.371	0.329	0.382	0.382	0.383	0.377	0.311	0.359	8.11
27) Quinoline	0.582	0.632	0.553	0.672	0.666	0.642	0.655	0.602	0.626	6.82
28) Isophorone	0.611	0.656	0.580	0.686	0.684	0.675	0.674	0.643	0.651	5.86
29) 2-Nitropheno	0.143	0.171	0.158	0.196	0.199	0.191	0.182	0.118	0.170	16.79
30) 2,4-Dimethyl	0.309	0.342	0.308	0.359	0.364	0.350	0.349	0.307	0.336	7.18
31) Benzoic acid		0.158	0.199	0.277	0.272	0.259	0.208		0.229	20.96
----- Quadratic regression -----								Coefficient =		0.9971
Response Ratio = -0.00985 + 0.23023 *A + 0.02124 *A^2										
32) bis(2-Chloro	0.353	0.388	0.347	0.415	0.422	0.410	0.404	0.331	0.384	9.18
33) 2,4-Dichloro	0.250	0.277	0.261	0.310	0.314	0.302	0.301	0.252	0.284	9.36
34) 2,6-Dichloro	0.268	0.295	0.258	0.308	0.311	0.304	0.310	0.264	0.290	7.83
35) 1,3,5-Trichl	0.321	0.344	0.309	0.358	0.366	0.354	0.361	0.334	0.343	5.98
36) 1,2,4-Trichl	0.315	0.334	0.299	0.346	0.351	0.335	0.338	0.317	0.329	5.34
37) 1,2,3-Trichl	0.313	0.323	0.290	0.344	0.342	0.329	0.335	0.328	0.326	5.36
38) Naphthalene	1.054	1.065	0.879	1.017	1.021	1.010	1.034	1.195	1.034	8.36
39) 4-Chloroanil	0.369	0.390	0.361	0.431	0.435	0.415	0.413	0.318	0.391	10.29
40) 2,3-Dichloro	0.327	0.336	0.300	0.349	0.346	0.349	0.347	0.292	0.331	6.87
41) Hydroquinone		0.224	0.232	0.305	0.302	0.278	0.261		0.267	12.88
42) Hexachlorobu	0.193	0.200	0.183	0.214	0.217	0.205	0.211	0.213	0.204	5.73

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICC9627
Lab FileID: F217392.D

43)	4-Chloro-3-m	0.254	0.268	0.248	0.304	0.300	0.289	0.278	0.228	0.271	9.88
44)	2-Methylnaph	0.583	0.595	0.511	0.595	0.596	0.585	0.600	0.602	0.584	5.15
45)	1-Methylnaph	0.674	0.652	0.551	0.643	0.649	0.627	0.652	0.739	0.648	8.03
46)	I Acenaphthene-d10	----------ISTD----------									
47)	Hexachlorocy	0.200	0.261	0.271	0.337	0.345	0.323	0.281		0.288	17.72
48)	1,2,4,5-tetr	0.554	0.614	0.555	0.639	0.637	0.613	0.624	0.579	0.602	5.77
49)	2,4,6-Trichl	0.347	0.374	0.335	0.401	0.398	0.386	0.369	0.336	0.368	7.19
50)	2,4,5-Trichl	0.362	0.412	0.373	0.442	0.452	0.423	0.422	0.350	0.404	9.42
51)	2-Fluorobiph	1.314	1.362	1.203	1.372	1.401	1.362	1.397	1.393	1.351	4.87
52)	2-Chloronaph	1.089	1.128	1.015	1.171	1.180	1.141	1.160	1.071	1.119	5.09
53)	Biphenyl	1.427	1.442	1.274	1.451	1.468	1.432	1.491	1.501	1.436	4.91
54)	2-Nitroanili	0.244	0.294	0.280	0.342	0.340	0.337	0.307	0.207	0.294	16.58
55)	Dimethylphth	1.212	1.258	1.118	1.326	1.325	1.272	1.318	1.251	1.260	5.59
56)	Acenaphthyle	1.335	1.351	1.240	1.468	1.460	1.410	1.398	1.322	1.373	5.56
57)	2,6-Dinitrot	0.229	0.248	0.236	0.299	0.295	0.284	0.274	0.245	0.264	10.45
58)	3-Nitroanili	0.202	0.254	0.251	0.321	0.317	0.298	0.283		0.275	15.48
59)	Acenaphthene	1.222	1.254	1.094	1.239	1.241	1.236	1.264	1.332	1.235	5.36
60)	2,4-Dinitrop	0.022	0.083	0.125	0.204	0.200	0.178	0.121		0.133	49.87
	----- Quadratic regression -----								Coefficient =		0.9964
	Response Ratio = -0.01317 + 0.13847 *A + 0.01447 *A^2										
61)	4-Nitropheno	0.099	0.123	0.159	0.154	0.151	0.120		0.134		17.70
62)	Dibenzofuran	1.615	1.650	1.448	1.683	1.662	1.635	1.694	1.707	1.637	5.03
63)	2,4-Dinitrot	0.288	0.346	0.334	0.415	0.404	0.389	0.368	0.281	0.353	14.24
64)	2,3,4,6-Tetr	0.289	0.336	0.313	0.383	0.380	0.362	0.346	0.279	0.336	11.72
65)	Diethylphtha	1.207	1.247	1.088	1.323	1.300	1.249	1.255	1.211	1.235	5.78
66)	Fluorene	1.207	1.236	1.098	1.309	1.311	1.259	1.269	1.232	1.240	5.48
67)	4-Chlorophen	0.600	0.625	0.556	0.664	0.657	0.631	0.646	0.622	0.625	5.56
68)	4-Nitroanili	0.204	0.235	0.313	0.306	0.283	0.247		0.265		16.29
69)	I Phenanthrene-d10	----------ISTD----------									
70)	4,6-Dinitro-	0.089	0.101	0.137	0.139	0.128	0.105		0.117		17.99
71)	n-Nitrosodip	0.539	0.558	0.499	0.568	0.570	0.567	0.560	0.530	0.549	4.51
72)	1,2-Diphenyl	0.620	0.654	0.589	0.672	0.683	0.680	0.673	0.605	0.647	5.74
73)	2,4,6-Tribro	0.117	0.130	0.123	0.146	0.148	0.140	0.132	0.114	0.131	9.65
74)	4-Bromopheny	0.185	0.208	0.187	0.221	0.222	0.213	0.210	0.195	0.205	7.13
75)	Hexachlorobe	0.254	0.262	0.227	0.267	0.270	0.262	0.261	0.263	0.258	5.16
76)	Pentachlorop	0.077	0.103	0.119	0.159	0.159	0.148	0.122		0.127	24.34
	----- Quadratic regression -----								Coefficient =		0.9984
	Response Ratio = -0.00557 + 0.12620 *A + 0.00753 *A^2										
77)	Phenanthrene	0.997	1.023	0.875	1.015	1.010	1.004	1.032	1.079	1.004	5.77
78)	Anthracene	0.970	0.990	0.893	1.037	1.036	1.030	1.026	0.993	0.997	4.90
79)	Carbazole	0.797	0.857	0.778	0.947	0.930	0.917	0.891	0.844	0.870	7.12
80)	Di-n-butylph	1.025	1.084	0.979	1.208	1.201	1.170	1.099	1.109	1.109	7.38
81)	Fluoranthene	1.039	1.096	0.986	1.176	1.166	1.143	1.110	1.098	1.102	5.81
82)	Octadecane	0.434	0.442	0.403	0.478	0.489	0.481	0.446	0.458	0.454	6.35
83)	I Chrysene-d12	----------ISTD----------									
84)	Benzidine	0.506	0.533	0.681	0.679	0.578	0.575		0.592		12.34
85)	Pyrene	1.186	1.217	1.092	1.228	1.249	1.229	1.262	1.201	1.208	4.36
86)	Terphenyl-d1	0.947	0.969	0.857	0.985	0.995	0.980	0.997	0.929	0.957	4.89
87)	Butylbenzylp	0.407	0.471	0.430	0.528	0.531	0.516	0.492	0.440	0.477	9.92
88)	Benzo[a]anth	1.201	1.206	1.054	1.220	1.230	1.207	1.211	1.331	1.208	6.23
89)	3,3'-Dichlor	0.400	0.459	0.423	0.526	0.528	0.502	0.482	0.332	0.457	14.94
90)	Chrysene	1.156	1.198	1.041	1.200	1.199	1.194	1.229	1.199	1.177	4.96
91)	bis(2-Ethylh	0.639	0.703	0.652	0.801	0.799	0.789	0.725	0.647	0.720	9.72
92)	I Perylene-d12	----------ISTD----------									

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICC9627
Lab FileID: F217392.D

93)	Di-n-octylph	0.895	0.975	0.956	1.200	1.221	1.153	1.029	0.894	1.040	12.83
94)	Benzo[b]fluo	0.998	1.068	0.991	1.162	1.171	1.129	1.094	1.055	1.084	6.34
95)	Benzo[k]fluo	0.963	1.029	0.915	1.059	1.080	1.058	1.057	0.989	1.019	5.66
96)	Benzo[a]pyre	0.826	0.878	0.796	0.946	0.959	0.930	0.893	0.868	0.887	6.46
97)	Indeno[1,2,3	0.803	0.875	0.821	0.977	0.984	0.946	0.935	0.817	0.895	8.38
98)	Dibenz(a,h)a	0.718	0.822	0.781	0.927	0.947	0.902	0.861	0.740	0.837	10.30
99)	Dibenz[a,h]a	0.868	0.968	0.913	1.076	1.084	1.060	1.023	0.777	0.971	11.43
100)	7,12-Dimethy	0.410	0.434	0.409	0.499	0.506	0.489	0.453	0.424	0.453	8.85
101)	Benzo[g,h,i]	0.929	0.998	0.935	1.072	1.085	1.059	1.057	0.978	1.014	6.17

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9627AP9.M Wed Nov 15 12:15:58 2023 RT1

7.7.10

7

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217400.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9627\F217400.D Vial: 10
Acq On : 11 Nov 2023 6:11 am Operator: rocquans
Sample : icv9627-50 Inst : GCMSF
Misc : op49938,ef9627,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Nov 15 11:55:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00	4.62
2	t	1,4-Dioxane	0.533	0.601	-12.8	104	0.00	2.15
6	t	Indene	2.146	2.466	-14.9	107	0.00	4.80
7	t	Cumene	2.734	3.123	-14.2	103	0.00	4.01
11	t	bis(2-Chloroethyl)ether	1.253	1.328	-6.0	98	0.00	4.43
13	t	Decane	1.556	1.693	-8.8	100	0.00	4.48
14	t	1,3-Dichlorobenzene	1.488	1.657	-11.4	104	0.00	4.57
15	t	1,4-Dichlorobenzene	1.545	1.757	-13.7	109	0.00	4.63
16	t	Benzyl alcohol	0.802	0.943	-17.6	102	0.00	4.72
17	t	1,2-Dichlorobenzene	1.442	1.696	-17.6	110	0.00	4.74
18	t	Acetophenone	1.785	2.072	-16.1	103	0.00	4.92
20	t	2,2'-oxybis(1-Chloropropa	0.342	0.403	-17.8	103	0.00	4.81
23	t	Hexachloroethane	0.561	0.656	-16.9	107	0.00	4.98
24	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00	5.54
26	t	Nitrobenzene	0.359	0.414	-15.3	103	0.00	5.04
27	t	Quinoline	0.626	0.711	-13.6	105	-0.01	5.80
28	t	Isophorone	0.651	0.748	-14.9	106	0.00	5.20

		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.384	0.451	-17.4	105	0.00	5.36
35		1,3,5-Trichlorobenzene	0.343	0.402	-17.2	108	0.00	5.26
36	t	1,2,4-Trichlorobenzene	0.329	0.383	-16.4	109	0.00	5.49
37		1,2,3-Trichlorobenzene	0.326	0.379	-16.3	110	0.00	5.65
38	t	Naphthalene	1.034	1.139	-10.2	107	0.00	5.55
40	t	2,3-Dichloroaniline	0.331	0.374	-13.0	102	0.00	6.27
42	t	Hexachlorobutadiene	0.204	0.237	-16.2	111	0.00	5.63
44	t	2-Methylnaphthalene	0.584	0.647	-10.8	105	0.00	6.05
45	t	1-Methylnaphthalene	0.648	0.708	-9.3	107	0.00	6.12
46	I	Acenaphthene-d10	1.000	1.000	0.0	94	0.00	6.93

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217400.D

47	t	Hexachlorocyclopentadiene	0.288	0.370	-28.5	108	0.00	6.16
48	t	1,2,4,5-tetrachlorobenzen	0.602	0.715	-18.8	110	0.00	6.17
52	t	2-Chloronaphthalene	1.119	1.319	-17.9	109	0.00	6.43
53	t	Biphenyl	1.436	1.619	-12.7	106	0.00	6.41
55	t	Dimethylphthalate	1.260	1.439	-14.2	106	0.00	6.67
56	t	Acenaphthylene	1.373	1.619	-17.9	108	0.00	6.80
57	t	2,6-Dinitrotoluene	0.264	0.312	-18.2	103	0.00	6.74
59	t	Acenaphthene	1.235	1.412	-14.3	107	0.00	6.96

			AvgRF	CCRF	% Dev			
62	t	Dibenzofuran	1.637	1.824	-11.4	105	0.00	7.14
63	t	2,4-Dinitrotoluene	0.353	0.428	-21.2	103	0.00	7.14
65	t	Diethylphthalate	1.235	1.412	-14.3	106	-0.01	7.38
66	t	Fluorene	1.240	1.435	-15.7	107	0.00	7.52
67	t	4-Chlorophenyl-phenylethe	0.625	0.732	-17.1	109	0.00	7.52
69	I	Phenanthrene-d10	1.000	1.000	0.0	94	-0.01	8.79
72	t	1,2-Diphenylhydrazine	0.647	0.745	-15.1	103	0.00	7.71
74	t	4-Bromophenyl-phenylether	0.205	0.242	-18.0	107	0.00	8.15
75	t	Hexachlorobenzene	0.258	0.295	-14.3	106	0.00	8.21

			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.004	1.125	-12.1	106	0.00	8.84
78	t	Anthracene	0.997	1.158	-16.1	106	0.00	8.92
79	t	Carbazole	0.870	1.021	-17.4	105	0.00	9.21
80	t	Di-n-butylphthalate	1.109	1.294	-16.7	104	-0.01	9.88
81	t	Fluoranthene	1.102	1.280	-16.2	106	0.00	10.97
82	t	Octadecane	0.454	0.529	-16.5	104	0.00	8.66
83	I	Chrysene-d12	1.000	1.000	0.0	92	-0.01	14.07
85	t	Pyrene	1.208	1.399	-15.8	105	0.00	11.42
87	t	Butylbenzylphthalate	0.477	0.582	-22.0	104	0.00	13.03
88	t	Benzo[a]anthracene	1.208	1.367	-13.2	104	0.00	14.05
90	t	Chrysene	1.177	1.338	-13.7	103	-0.01	14.13
91	t	bis(2-Ethylhexyl)phthalat	0.720	0.874	-21.4	102	-0.01	14.40
92	I	Perylene-d12	1.000	1.000	0.0	92	0.00	17.12
93	t	Di-n-octylphthalate	1.040	1.286	-23.7	103	-0.01	15.87
94	t	Benzo[b]fluoranthene	1.084	1.283	-18.4	105	-0.01	16.36
95	t	Benzo[k]fluoranthene	1.019	1.224	-20.1	107	-0.01	16.43
96	t	Benzo[a]pyrene	0.887	1.064	-20.0	106	-0.01	17.01
97	t	Indeno[1,2,3-cd]pyrene	0.895	1.090	-21.8	107	0.00	19.07
98	t	Dibenz(a,h)acridine	0.837	1.041	-24.4	107	0.00	18.71
99	t	Dibenz[a,h]anthracene	0.971	1.211	-24.7	106	0.00	19.13
100	t	7,12-Dimethylbenz(a)anthr	0.453	0.554	-22.3	105	0.00	16.38
101	t	Benzo[g,h,i]perylene	1.014	1.222	-20.5	107	-0.01	19.50

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217400.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217392.D MF9627AP9.M Wed Nov 15 12:16:34 2023 RT1

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217401.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9627\F217401.D Vial: 11
Acq On : 11 Nov 2023 6:36 am Operator: rocquans
Sample : icv9627-50 Inst : GCMSF
Misc : op49938,ef9627,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Nov 15 11:55:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	4.62
9	t	Phenol	1.615	1.547	4.2	86	0.00	4.37
12	t	2-Chlorophenol	1.206	1.262	-4.6	96	0.00	4.47
19	t	2-Methylphenol	1.174	1.144	2.6	94	0.00	4.81
21	t	3&4-Methylphenol	1.209	1.245	-3.0	98	0.00	4.92
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.54
29	t	2-Nitrophenol	0.170	0.178	-4.7	95	0.00	5.27
30	t	2,4-Dimethylphenol	0.336	0.344	-2.4	101	0.00	5.30
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	49.332	1.3	97	0.00	5.39
		----------	AvgRF	CCRF	% Dev	----------		
33	t	2,4-Dichlorophenol	0.284	0.293	-3.2	99	0.00	5.44
34		2,6-Dichlorophenol	0.290	0.297	-2.4	100	0.00	5.60
41	t	Hydroquinone	0.267	0.281	-5.2	103	0.00	5.84
43	t	4-Chloro-3-methylphenol	0.271	0.281	-3.7	100	0.00	5.94
46	I	Acenaphthene-d10	1.000	1.000	0.0	98	0.00	6.93
49	t	2,4,6-Trichlorophenol	0.368	0.392	-6.5	99	0.00	6.27
50	t	2,4,5-Trichlorophenol	0.404	0.452	-11.9	105	0.00	6.30
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	103.522	-3.5	97	0.00	7.01
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.134	0.149	-11.2	97	-0.01	7.09
64		2,3,4,6-Tetrachlorophenol	0.336	0.372	-10.7	100	0.00	7.27

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217401.D

				True	Calc.	% Drift			
69	I	Phenanthrene-d10		1.000	1.000	0.0	103	-0.01	8.79
70	t	4,6-Dinitro-2-methylpheno		0.117	0.125	-6.8	100	0.00	7.59
76	t	Pentachlorophenol		100.000	102.870	-2.9	102	0.00	8.51

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217392.D MF9627AP9.M Wed Nov 15 12:16:36 2023 RT1

7.7.12

7

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217402.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9627\F217402.D Vial: 12
Acq On : 11 Nov 2023 7:01 am Operator: rocquans
Sample : icv9627-50 Inst : GCMSF
Misc : op49938,ef9627,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Nov 15 11:55:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	4.62
3	t	Pyridine	1.365	1.408	-3.2	94	0.00	2.48
4	t	N-Nitrosodimethylamine	0.607	0.626	-3.1	94	0.00	2.46
10	t	Aniline	1.810	1.953	-7.9	97	0.00	4.38
22		n-Nitroso-di-n-propylamin	0.922	0.930	-0.9	95	0.00	4.91
24	I	Naphthalene-d8	1.000	1.000	0.0	102	0.00	5.54
39	t	4-Chloroaniline	0.391	0.406	-3.8	100	0.00	5.60
46	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00	6.93
54	t	2-Nitroaniline	0.294	0.326	-10.9	98	0.00	6.53
58	t	3-Nitroaniline	0.275	0.292	-6.2	100	0.00	6.91
68	t	4-Nitroaniline	0.265	0.275	-3.8	99	-0.02	7.57
69	I	Phenanthrene-d10	1.000	1.000	0.0	102	-0.01	8.79
71	t	n-Nitrosodiphenylamine	0.549	0.572	-4.2	103	0.00	7.67
83	I	Chrysene-d12	1.000	1.000	0.0	99	-0.02	14.06
84	t	Benzidine	0.592	0.740	-25.0	127	0.00	11.35
89	t	3,3'-Dichlorobenzidine	0.457	0.506	-10.7	100	-0.01	14.11

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217392.D MF9627AP9.M Wed Nov 15 12:16:38 2023 RT1

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9627-ICV9627
Lab FileID: F217403.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9627\F217403.D Vial: 13
Acq On : 11 Nov 2023 7:26 am Operator: rocquans
Sample : icv9627-50 Inst : GCMSF
Misc : op49938,ef9627,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Wed Nov 15 11:55:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	147	0.00	4.62
5	S	2-Fluorophenol	1.054	1.227	-16.4	149	0.00	3.64
8	S	Phenol-d5	1.392	1.510	-8.5	144	0.00	4.37
24	I	Naphthalene-d8	1.000	1.000	0.0	145	0.00	5.54
25	S	Nitrobenzene-d5	0.348	0.366	-5.2	142	0.00	5.03
46	I	Acenaphthene-d10	1.000	1.000	0.0	141	0.00	6.93
51	S	2-Fluorobiphenyl	1.351	1.387	-2.7	144	0.00	6.33
69	I	Phenanthrene-d10	1.000	1.000	0.0	134	-0.01	8.79
73	S	2,4,6-Tribromophenol	0.131	0.141	-7.6	136	-0.01	7.81
83	I	Chrysene-d12	1.000	1.000	0.0	108	-0.02	14.06
86	S	Terphenyl-d14	0.957	1.131	-18.2	125	-0.01	11.84

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217392.D MF9627AP9.M Wed Nov 15 12:16:40 2023 RT1

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9629-ICC9629
Lab FileID: F217418.D

Response Factor Report GCMSF

Method : C:\MSDCHEM\1\METHODS\MF9629.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Nov 16 16:54:09 2023
Response via : Initial Calibration

Calibration Files
2 =F217424.D 5 =F217423.D 25 =F217419.D 80 =F217421.D
100 =F217420.D 50 =F217418.D 10 =F217422.D 1 =F217425.D

Compound	2	5	25	80	100	50	10	1	Avg	%RSD
157) I 1,4-Dichlorobenzene-d	ISTD									
158) Benzaldehyde	0.800	0.968	0.989	1.081	1.253	1.090	0.969		1.021	13.71
159) I Phenanthrene-d10b	ISTD									
160) Atrazine	0.182	0.181	0.190	0.207	0.234	0.205	0.192	0.165	0.194	10.77
161) I Naphthalene-d8b	ISTD									
162) Caprolactam	0.108	0.123	0.143	0.152	0.179	0.156	0.136		0.142	16.20

(#) = Out of Range ### Number of calibration levels exceeded format ###

MF9627AP9.M Thu Nov 16 16:56:11 2023 RT1

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9629-ICV9629
Lab FileID: F217426.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\EF9629\F217426.D Vial: 11
Acq On : 16 Nov 2023 12:05 pm Operator: kaleigh
Sample : icv9629-50 Inst : GCMSF
Misc : op49938,ef9629,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\MSDCHEM\1\METHODS\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Nov 16 16:54:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	117	0.00	4.58
158	Benzaldehyde	1.021	1.016	0.5	109	0.00	4.26
159 I	Phenanthrene-d10b	1.000	1.000	0.0	122	0.00	8.73
160	Atrazine	0.194	0.187	3.6	112	0.00	8.35
161 I	Naphthalene-d8b	1.000	1.000	0.0	121	0.00	5.50
162	Caprolactam	0.142	0.140	1.4	108	0.00	5.81

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217418A.D MF9627AP9.M Thu Nov 16 16:55:45 2023 RT1

7.7.16

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9666-CC9627
Lab FileID: F218157.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eelo\ef9666\F218157.D Vial: 2
Acq On : 20 Dec 2023 11:11 am Operator: kaleigh
Sample : cc9627-50 Inst : GCMSF
Misc : op50797,ef9666,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...hods\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Dec 21 03:14:50 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	-0.02	4.48
2	t	1,4-Dioxane	0.533	0.517	3.0	93	-0.05	1.95
3	t	Pyridine	1.365	1.512	-10.8	99	-0.04	2.30
4	t	N-Nitrosodimethylamine	0.607	0.672	-10.7	99	-0.05	2.27
5	S	2-Fluorophenol	1.054	1.217	-15.5	100	-0.03	3.49
6	t	Indene	2.146	2.233	-4.1	101	-0.02	4.67
7	t	Cumene	2.734	2.778	-1.6	95	-0.03	3.87
8	S	Phenol-d5	1.392	1.630	-17.1	106	-0.03	4.22
9	t	Phenol	1.615	1.892	-17.2	104	-0.03	4.24
10	t	Aniline	1.810	2.163	-19.5	106	-0.02	4.25
11	t	bis(2-Chloroethyl)ether	1.253	1.362	-8.7	105	-0.02	4.29
12	t	2-Chlorophenol	1.206	1.343	-11.4	100	-0.02	4.33
13	t	Decane	1.556	1.629	-4.7	101	-0.02	4.35
14	t	1,3-Dichlorobenzene	1.488	1.503	-1.0	98	-0.02	4.43
15	t	1,4-Dichlorobenzene	1.545	1.540	0.3	100	-0.02	4.49
16	t	Benzyl alcohol	0.802	0.982	-22.4#	110	-0.02	4.59
17	t	1,2-Dichlorobenzene	1.442	1.477	-2.4	100	-0.02	4.60
18	t	Acetophenone	1.785	2.037	-14.1	106	-0.02	4.79
19	t	2-Methylphenol	1.174	1.292	-10.1	104	-0.02	4.68
20	t	2,2'-oxybis(1-Chloropropa	0.342	0.404	-18.1	108	-0.02	4.68
21	t	3&4-Methylphenol	1.209	1.373	-13.6	106	-0.02	4.80
22		n-Nitroso-di-n-propylamin	0.922	1.088	-18.0	109	-0.02	4.79
23	t	Hexachloroethane	0.561	0.564	-0.5	96	-0.02	4.84
24	I	Naphthalene-d8	1.000	1.000	0.0	105	-0.02	5.41
25	S	Nitrobenzene-d5	0.348	0.367	-5.5	102	-0.02	4.90
26	t	Nitrobenzene	0.359	0.380	-5.8	104	-0.02	4.91
27	t	Quinoline	0.626	0.728	-16.3	119	-0.02	5.67
28	t	Isophorone	0.651	0.731	-12.3	113	-0.02	5.08
29	t	2-Nitrophenol	0.170	0.194	-14.1	107	-0.02	5.14
30	t	2,4-Dimethylphenol	0.336	0.362	-7.7	108	-0.02	5.17
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	60.032	-20.1#	124	-0.02	5.28
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.384	0.424	-10.4	108	-0.02	5.23
33	t	2,4-Dichlorophenol	0.284	0.316	-11.3	109	-0.02	5.31
34		2,6-Dichlorophenol	0.290	0.313	-7.9	108	-0.02	5.47
35		1,3,5-Trichlorobenzene	0.343	0.341	0.6	101	-0.02	5.13
36	t	1,2,4-Trichlorobenzene	0.329	0.332	-0.9	104	-0.02	5.36
37		1,2,3-Trichlorobenzene	0.326	0.329	-0.9	105	-0.02	5.52

Continuing Calibration Summary

Job Number: JD78884 **Sample:** EF9666-CC9627
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** F218157.D
Project: 99 Franklin Courts, Tarrytown, NY

38	t	Naphthalene	1.034	1.023	1.1	106	-0.02	5.42
39	t	4-Chloroaniline	0.391	0.440	-12.5	111	-0.02	5.47
40	t	2,3-Dichloroaniline	0.331	0.377	-13.9	113	-0.02	6.13
41	t	Hydroquinone	0.267	0.263	1.5	99	-0.03	5.71
42	t	Hexachlorobutadiene	0.204	0.197	3.4	101	-0.02	5.50
43	t	4-Chloro-3-methylphenol	0.271	0.314	-15.9	114	-0.02	5.81
44	t	2-Methylnaphthalene	0.584	0.613	-5.0	110	-0.02	5.91
45	t	1-Methylnaphthalene	0.648	0.681	-5.1	114	-0.02	5.98
46	I	Acenaphthene-d10	1.000	1.000	0.0	117	-0.03	6.76
47	t	Hexachlorocyclopentadiene	0.288	0.267	7.3	96	-0.02	6.01
48	t	1,2,4,5-tetrachlorobenzen	0.602	0.585	2.8	111	-0.02	6.03
49	t	2,4,6-Trichlorophenol	0.368	0.384	-4.3	116	-0.02	6.12
50	t	2,4,5-Trichlorophenol	0.404	0.427	-5.7	118	-0.02	6.15
51	S	2-Fluorobiphenyl	1.351	1.316	2.6	113	-0.02	6.19
52	t	2-Chloronaphthalene	1.119	1.122	-0.3	115	-0.03	6.28
53	t	Biphenyl	1.436	1.425	0.8	116	-0.02	6.27
54	t	2-Nitroaniline	0.294	0.338	-15.0	117	-0.03	6.37
55	t	Dimethylphthalate	1.260	1.317	-4.5	121	-0.03	6.52
56	t	Acenaphthylene	1.373	1.423	-3.6	118	-0.03	6.63
57	t	2,6-Dinitrotoluene	0.264	0.302	-14.4	124	-0.03	6.58
58	t	3-Nitroaniline	0.275	0.322	-17.1	126	-0.03	6.74
59	t	Acenaphthene	1.235	1.205	2.4	114	-0.03	6.79
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	115.286	-15.3	133	-0.03	6.84
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.134	0.158	-17.9	122	-0.04	6.91
62	t	Dibenzofuran	1.637	1.632	0.3	116	-0.03	6.96
63	t	2,4-Dinitrotoluene	0.353	0.421	-19.3	126	-0.03	6.97
64		2,3,4,6-Tetrachlorophenol	0.336	0.377	-12.2	121	-0.03	7.08
65	t	Diethylphthalate	1.235	1.307	-5.8	122	-0.03	7.21
66	t	Fluorene	1.240	1.309	-5.6	121	-0.03	7.32
67	t	4-Chlorophenyl-phenylethe	0.625	0.650	-4.0	120	-0.03	7.32
68	t	4-Nitroaniline	0.265	0.336	-26.8#	138	-0.04	7.38
69	I	Phenanthrene-d10	1.000	1.000	0.0	127	-0.05	8.56
70	t	4,6-Dinitro-2-methylpheno	0.117	0.138	-17.9	136	-0.03	7.40
71	t	n-Nitrosodiphenylamine	0.549	0.547	0.4	122	-0.03	7.47
72	t	1,2-Diphenylhydrazine	0.647	0.634	2.0	118	-0.03	7.51
73	S	2,4,6-Tribromophenol	0.131	0.136	-3.8	123	-0.04	7.61
74	t	4-Bromophenyl-phenylether	0.205	0.207	-1.0	123	-0.04	7.93
75	t	Hexachlorobenzene	0.258	0.247	4.3	119	-0.03	7.99
			True	Calc.	% Drift			
76	t	Pentachlorophenol	100.000	114.372	-14.4	143	-0.05	8.28
			AvgRF	CCRF	% Dev			
77	t	Phenanthrene	1.004	0.993	1.1	125	-0.04	8.59
78	t	Anthracene	0.997	1.018	-2.1	125	-0.04	8.67
79	t	Carbazole	0.870	0.942	-8.3	130	-0.05	8.96
80	t	Di-n-butylphthalate	1.109	1.185	-6.9	128	-0.05	9.63
81	t	Fluoranthene	1.102	1.195	-8.4	133	-0.05	10.68
82	t	Octadecane	0.454	0.475	-4.6	125	-0.04	8.43
83	I	Chrysene-d12	1.000	1.000	0.0	136	-0.05	13.76
84	t	Benzidine	0.592	0.603	-1.9	142	-0.06	11.06
85	t	Pyrene	1.208	1.201	0.6	133	-0.05	11.13
86	S	Terphenyl-d14	0.957	0.966	-0.9	134	-0.06	11.55

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9666-CC9627
Lab FileID: F218157.D

87	t	Butylbenzylphthalate	0.477	0.527	-10.5	139	-0.05	12.73
88	t	Benzo[a]anthracene	1.208	1.232	-2.0	139	-0.05	13.74
89	t	3,3'-Dichlorobenzidine	0.457	0.520	-13.8	141	-0.06	13.80
90	t	Chrysene	1.177	1.169	0.7	133	-0.05	13.82
91	t	bis(2-Ethylhexyl)phthalat	0.720	0.783	-8.8	135	-0.06	14.11
92	I	Perylene-d12	1.000	1.000	0.0	135	-0.05	16.80
93	t	Di-n-octylphthalate	1.040	1.200	-15.4	141	-0.05	15.58
94	t	Benzo[b]fluoranthene	1.084	1.165	-7.5	140	-0.05	16.05
95	t	Benzo[k]fluoranthene	1.019	1.030	-1.1	132	-0.05	16.12
96	t	Benzo[a]pyrene	0.887	0.931	-5.0	135	-0.06	16.68
97	t	Indeno[1,2,3-cd]pyrene	0.895	0.969	-8.3	139	-0.05	18.74
98	t	Dibenz(a,h)acridine	0.837	0.918	-9.7	138	-0.05	18.39
99	t	Dibenz[a,h]anthracene	0.971	1.054	-8.5	135	-0.05	18.81
100	t	7,12-Dimethylbenz(a)anthr	0.453	0.435	4.0	121	-0.05	16.06
101	t	Benzo[g,h,i]perylene	1.014	1.050	-3.6	134	-0.05	19.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217508.D MF9627AP9.M Thu Dec 21 03:17:09 2023

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9666-CC9629
Lab FileID: F218158.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eelo\ef9666\F218158.D Vial: 3
Acq On : 20 Dec 2023 11:38 am Operator: kaleigh
Sample : cc9629-50 Inst : GCMSF
Misc : op50797,ef9666,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...hods\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Dec 21 03:14:50 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
157 I	1,4-Dichlorobenzene-d4b	1.000	1.000	0.0	71	-0.02	4.48
158	Benzaldehyde	1.021	1.137	-11.4	74	-0.03	4.16
159 I	Phenanthrene-d10b	1.000	1.000	0.0	90	-0.06	8.55
160	Atrazine	0.194	0.215	-10.8	95	-0.05	8.18
161 I	Naphthalene-d8b	1.000	1.000	0.0	76	-0.03	5.40
162	Caprolactam	0.142	0.191	-34.5#	93	-0.02	5.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217508.D MF9627AP9.M Thu Dec 21 03:17:12 2023

7.7.18

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EF9666-CC9627
Lab FileID: F218160.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eelo\ef9666\F218160.D Vial: 5
Acq On : 20 Dec 2023 12:30 pm Operator: kaleigh
Sample : cc9627-5 Inst : GCMSF
Misc : op50797,ef9666,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...hods\MF9627AP9.M (RTE Integrator)
Title : Semi Volatile Extractables by GC/MS
Last Update : Thu Dec 21 03:14:50 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
171 I	Chrysene-d12d	1.000	1.000	0.0	100	0.00	13.73
172	2,3,7,8-tcdd	0.189	0.189	0.0	100	0.00	12.90

(#) = Out of Range SPCC's out = 0 CCC's out = 0
F217423A.D MF9627AP9.M Thu Dec 21 03:17:33 2023

7.7.19

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR224	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR224-DFTPP	CR4921.D	12/06/23 20:53	n/a	DFTPP Tune
ECR224-ICC224	CR4922.D	12/06/23 21:08	n/a	Initial cal 50
ECR224-IC224	CR4923.D	12/06/23 21:27	n/a	Initial cal 1
ECR224-IC224	CR4924.D	12/06/23 21:46	n/a	Initial cal 2
ECR224-IC224	CR4925.D	12/06/23 22:06	n/a	Initial cal 5
ECR224-IC224	CR4926.D	12/06/23 22:26	n/a	Initial cal 10
ECR224-IC224	CR4927.D	12/06/23 22:45	n/a	Initial cal 25
ECR224-IC224	CR4928.D	12/06/23 23:05	n/a	Initial cal 80
ECR224-IC224	CR4929.D	12/06/23 23:24	n/a	Initial cal 100
ECR224-ICV224	CR4933.D	12/07/23 00:44	n/a	Initial cal verification 50
ECR224-ICV224	CR4934.D	12/07/23 01:03	n/a	Initial cal verification 50
ECR224-ICV224	CR4935.D	12/07/23 01:23	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR225	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR225-DFTPP	CR4936.D	12/07/23 03:13	n/a	DFTPP Tune
ECR225-ICC225	CR4937.D	12/07/23 04:06	n/a	Initial cal 50
ECR225-IC225	CR4938.D	12/07/23 04:26	n/a	Initial cal 1
ECR225-IC225	CR4939.D	12/07/23 04:46	n/a	Initial cal 2
ECR225-IC225	CR4940.D	12/07/23 05:06	n/a	Initial cal 5
ECR225-IC225	CR4941.D	12/07/23 05:25	n/a	Initial cal 10
ECR225-IC225	CR4942.D	12/07/23 05:45	n/a	Initial cal 25
ECR225-IC225	CR4943.D	12/07/23 06:05	n/a	Initial cal 80
ECR225-IC225	CR4944.D	12/07/23 06:25	n/a	Initial cal 100
ECR225-ICV225	CR4945.D	12/07/23 06:45	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR227	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR227-DFTPP	CR4951.D	12/12/23 15:02	n/a	DFTPP Tune
ECR227-ICV224	CR4952.D	12/12/23 15:15	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR234	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR234-CC224	CR5095.D	12/20/23 09:19	n/a	Continuing cal 50
ECR234-CC225	CR5096.D	12/20/23 09:39	n/a	Continuing cal 50
OP51213-MB1	CR5098.D	12/20/23 10:19	OP51213	Method Blank
JD78884-2	CR5100.D	12/20/23 10:58	OP51213	SB120 (3-3.5)
JD78884-3	CR5101.D	12/20/23 11:17	OP51213	SB118 (5-5.5)
ZZZZZZ	CR5102.D	12/20/23 11:37	OP51096	(unrelated sample)
ZZZZZZ	CR5103.D	12/20/23 11:56	OP51139	(unrelated sample)
JD78884-4	CR5104.D	12/20/23 12:16	OP51213	SB119 (8-8.5)
JD78884-5	CR5105.D	12/20/23 12:35	OP51213	SB114 (4-4.5)
JD78884-6	CR5106.D	12/20/23 12:55	OP51213	SB110 (4.5-5)
JD78884-7	CR5107.D	12/20/23 13:14	OP51213	SB109 (9.5-10)
JD78884-8	CR5108.D	12/20/23 13:34	OP51213	SB113 (8.5-9)
JD78884-12	CR5109.D	12/20/23 13:53	OP51213	SB106 (5.5-6)
JD78884-1	CR5110.D	12/20/23 14:13	OP51213	SB121 (9-9.5)
JD78884-11	CR5111.D	12/20/23 14:33	OP51213	SB105 (8-8.5)
JD78884-9	CR5112.D	12/20/23 14:52	OP51213	SB103 (4.5-5)
JD78884-10	CR5113.D	12/20/23 15:12	OP51213	SB104 (7-7.5)
OP51213-MS	CR5114.D	12/20/23 15:31	OP51213	Matrix Spike
OP51213-MSD	CR5115.D	12/20/23 15:51	OP51213	Matrix Spike Duplicate
ZZZZZZ	CR5116.D	12/20/23 16:11	OP50914	(unrelated sample)
ZZZZZZ	CR5117.D	12/20/23 16:30	OP51213	(unrelated sample)
ZZZZZZ	CR5118.D	12/20/23 16:50	OP51213	(unrelated sample)
ZZZZZZ	CR5119.D	12/20/23 17:09	OP51213	(unrelated sample)
ZZZZZZ	CR5120.D	12/20/23 17:29	OP51213	(unrelated sample)
ZZZZZZ	CR5121.D	12/20/23 17:49	OP51213	(unrelated sample)
ZZZZZZ	CR5122.D	12/20/23 18:08	OP51213	(unrelated sample)
ZZZZZZ	CR5123.D	12/20/23 18:28	OP51213	(unrelated sample)
ZZZZZZ	CR5124.D	12/20/23 18:48	OP51209	(unrelated sample)
ZZZZZZ	CR5125.D	12/20/23 19:07	OP51209	(unrelated sample)
JD78884-10	CR5126.D	12/20/23 19:27	OP51213	SB104 (7-7.5)
ZZZZZZ	CR5127.D	12/20/23 19:47	OP51209	(unrelated sample)
ZZZZZZ	CR5128.D	12/20/23 20:06	OP51209	(unrelated sample)
ZZZZZZ	CR5129.D	12/20/23 20:26	OP51209	(unrelated sample)
ZZZZZZ	CR5130.D	12/20/23 20:46	OP51161	(unrelated sample)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EF9627	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9627-DFTPP	F217391.D	11/11/23 01:36	n/a	DFTPP Tune
EF9627-ICC9627	F217392.D	11/11/23 02:48	n/a	Initial cal 50
EF9627-IC9627	F217393.D	11/11/23 03:14	n/a	Initial cal 1
EF9627-IC9627	F217394.D	11/11/23 03:39	n/a	Initial cal 100
EF9627-IC9627	F217395.D	11/11/23 04:05	n/a	Initial cal 2
EF9627-IC9627	F217396.D	11/11/23 04:30	n/a	Initial cal 80
EF9627-IC9627	F217397.D	11/11/23 04:55	n/a	Initial cal 5
EF9627-IC9627	F217398.D	11/11/23 05:20	n/a	Initial cal 25
EF9627-IC9627	F217399.D	11/11/23 05:46	n/a	Initial cal 10
EF9627-ICV9627	F217400.D	11/11/23 06:11	n/a	Initial cal verification 50
EF9627-ICV9627	F217401.D	11/11/23 06:36	n/a	Initial cal verification 50
EF9627-ICV9627	F217402.D	11/11/23 07:01	n/a	Initial cal verification 50
EF9627-ICV9627	F217403.D	11/11/23 07:26	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EF9629	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9629-DFTPP	F217416.D	11/16/23 07:58	n/a	DFTPP Tune
EF9629-ICC9629	F217418.D	11/16/23 08:34	n/a	Initial cal 50
EF9629-IC9629	F217419.D	11/16/23 09:00	n/a	Initial cal 25
EF9629-IC9629	F217420.D	11/16/23 09:29	n/a	Initial cal 100
EF9629-IC9629	F217421.D	11/16/23 09:55	n/a	Initial cal 80
EF9629-IC9629	F217422.D	11/16/23 10:21	n/a	Initial cal 10
EF9629-IC9629	F217423.D	11/16/23 10:47	n/a	Initial cal 5
EF9629-IC9629	F217424.D	11/16/23 11:13	n/a	Initial cal 2
EF9629-IC9629	F217425.D	11/16/23 11:39	n/a	Initial cal 1
EF9629-ICV9629	F217426.D	11/16/23 12:05	n/a	Initial cal verification 50
EF9629-ICV9628	F217427.D	11/16/23 12:31	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EF9666	**Method:** SW846 8270E	**Instrument ID:** GCMSF

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EF9666-DFTPP	F218156.D	12/20/23 10:21	n/a	DFTPP Tune
EF9666-CC9627	F218157.D	12/20/23 11:11	n/a	Continuing cal 50
EF9666-CC9629	F218158.D	12/20/23 11:38	n/a	Continuing cal 50
EF9666-CC9627	F218160.D	12/20/23 12:30	n/a	Continuing cal 5
OP51257-MB1	F218161.D	12/20/23 12:56	OP51257	Method Blank
OP51257B-MB1	F218161.D	12/20/23 12:56	OP51257B	Method Blank
OP51257-BS1	F218162.D	12/20/23 13:22	OP51257	Blank Spike
OP51257B-BS1	F218162.D	12/20/23 13:22	OP51257B	Blank Spike
OP51257B-BSD	F218163.D	12/20/23 13:49	OP51257B	Blank Spike Duplicate
ZZZZZZ	F218164.D	12/20/23 14:15	OP51257B	(unrelated sample)
ZZZZZZ	F218165.D	12/20/23 14:41	OP51257B	(unrelated sample)
OP51257-MS	F218166.D	12/20/23 15:08	OP51257	Matrix Spike
OP51257-MSD	F218167.D	12/20/23 15:34	OP51257	Matrix Spike Duplicate
JD78899-3	F218168.D	12/20/23 16:00	OP51257	(used for QC only; not part of job JD78884)
ZZZZZZ	F218169.D	12/20/23 16:27	OP51257	(unrelated sample)
ZZZZZZ	F218170.D	12/20/23 16:53	OP51257	(unrelated sample)
ZZZZZZ	F218171.D	12/20/23 17:19	OP51257	(unrelated sample)
ZZZZZZ	F218172.D	12/20/23 17:45	OP51257	(unrelated sample)
ZZZZZZ	F218173.D	12/20/23 18:12	OP51257	(unrelated sample)
ZZZZZZ	F218174.D	12/20/23 18:38	OP51257	(unrelated sample)
OP51213-BS1	F218175.D	12/20/23 19:04	OP51213	Blank Spike
ZZZZZZ	F218176.D	12/20/23 19:30	OP51257	(unrelated sample)
ZZZZZZ	F218177.D	12/20/23 19:56	OP51257	(unrelated sample)
ZZZZZZ	F218178.D	12/20/23 20:22	OP51257B	(unrelated sample)
ZZZZZZ	F218179.D	12/20/23 20:48	OP51257B	(unrelated sample)

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51199-MB1	5G134389.D	1	12/20/23	CP	12/19/23	OP51199	G5G3459

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	132%	66-150%
877-09-8	Tetrachloro-m-xylene	124%	66-150%
2051-24-3	Decachlorobiphenyl	161%* [a]	40-150%
2051-24-3	Decachlorobiphenyl	105%	40-150%

(a) Outside of in house control limits.

Method Blank Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51200-MB1	RM17339.D	1	12/20/23	MLC	12/19/23	OP51200	GRM386

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.7	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.3	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	6.9	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.0	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	118%	42-159%
877-09-8	Tetrachloro-m-xylene	138%	42-159%
2051-24-3	Decachlorobiphenyl	121%	18-154%
2051-24-3	Decachlorobiphenyl	120%	18-154%

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51199-BS1	5G134390.D	1	12/20/23	CP	12/19/23	OP51199	G5G3459

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	6.2	124	75-150
319-84-6	alpha-BHC	5	5.9	118	72-150
319-85-7	beta-BHC	5	6.1	122	75-150
319-86-8	delta-BHC	5	5.7	114	58-150
58-89-9	gamma-BHC (Lindane)	5	5.9	118	72-150
5103-71-9	alpha-Chlordane	5	6.2	124	68-150
5103-74-2	gamma-Chlordane	5	5.9	118	72-150
60-57-1	Dieldrin	5	6.4	128	72-150
72-54-8	4,4'-DDD	5	6.6	132	67-150
72-55-9	4,4'-DDE	5	6.1	122	72-150
50-29-3	4,4'-DDT	5	5.5	110	48-150
72-20-8	Endrin	5	7.4	148	73-150
1031-07-8	Endosulfan sulfate	5	5.9	118	69-150
7421-93-4	Endrin aldehyde	5	6.2	124	36-150
959-98-8	Endosulfan-I	5	5.9	118	70-150
33213-65-9	Endosulfan-II	5	6.0	120	75-150
76-44-8	Heptachlor	5	5.5	110	70-150
1024-57-3	Heptachlor epoxide	5	6.1	122	73-150
72-43-5	Methoxychlor	5	5.2	104	54-150
53494-70-5	Endrin ketone	5	5.9	118	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	126%	66-150%
877-09-8	Tetrachloro-m-xylene	119%	66-150%
2051-24-3	Decachlorobiphenyl	158%* [a]	40-150%
2051-24-3	Decachlorobiphenyl	104%	40-150%

(a) Outside of in house control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51200-BS1	RM17340.D	1	12/20/23	MLC	12/19/23	OP51200	GRM386

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	40	44.9	112	74-153
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	40	42.6	107	68-147
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	113%	42-159%
877-09-8	Tetrachloro-m-xylene	125%	42-159%
2051-24-3	Decachlorobiphenyl	115%	18-154%
2051-24-3	Decachlorobiphenyl	115%	18-154%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51199-MS	5G134391.D	1	12/20/23	CP	12/19/23	OP51199	G5G3459
OP51199-MSD	5G134392.D	1	12/20/23	CP	12/19/23	OP51199	G5G3459
JD78884-1	5G134393.D	1	12/20/23	CP	12/19/23	OP51199	G5G3459

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	JD78884-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		10.1	7.3	72	10.5	5.5	52	28	10-200/38
319-84-6	alpha-BHC	ND		10.1	11.4	112	10.5	10.2	97	11	43-183/37
319-85-7	beta-BHC	ND		10.1	8.4	83	10.5	11.7	111	33	10-202/52
319-86-8	delta-BHC	ND		10.1	10.6	105	10.5	10.2	97	4	10-191/28
58-89-9	gamma-BHC (Lindane)	ND		10.1	11.4	112	10.5	11.9	113	4	43-168/33
5103-71-9	alpha-Chlordane	ND		10.1	7.1	70	10.5	5.9	56	18	10-194/46
5103-74-2	gamma-Chlordane	ND		10.1	7.3	72	10.5	5.6	53	26	10-180/40
60-57-1	Dieldrin	ND		10.1	8.5	84	10.5	7.2	68	17	12-197/40
72-54-8	4,4'-DDD	ND		10.1	7.3	72	10.5	6.0	57	20	10-193/47
72-55-9	4,4'-DDE	ND		10.1	6.9	68	10.5	5.8	55	17	10-207/50
50-29-3	4,4'-DDT	ND		10.1	7.0	69	10.5	4.3	41	48	10-241/60
72-20-8	Endrin	ND		10.1	8.1	80	10.5	6.7	64	19	21-214/48
1031-07-8	Endosulfan sulfate	ND		10.1	8.2	81	10.5	7.0	66	16	10-183/53
7421-93-4	Endrin aldehyde	ND		10.1	3.4	34	10.5	2.0	19	52	10-205/53
959-98-8	Endosulfan-I	ND		10.1	8.8	87	10.5	7.4	70	17	10-186/40
33213-65-9	Endosulfan-II	ND		10.1	8.8	87	10.5	7.1	67	21	10-185/44
76-44-8	Heptachlor	ND		10.1	8.6	85	10.5	4.2	40	69*	10-184/41
1024-57-3	Heptachlor epoxide	ND		10.1	9.2	91	10.5	7.6	72	19	10-210/35
72-43-5	Methoxychlor	ND		10.1	5.9	58	10.5	4.9	46	19	10-222/65
53494-70-5	Endrin ketone	ND		10.1	8.9	88	10.5	7.8	74	13	10-230/53
8001-35-2	Toxaphene	ND			ND			ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JD78884-1	Limits
877-09-8	Tetrachloro-m-xylene	117%	104%	109%	66-150%
877-09-8	Tetrachloro-m-xylene	114%	109%	95%	66-150%
2051-24-3	Decachlorobiphenyl	130%	119%	121%	40-150%
2051-24-3	Decachlorobiphenyl	92%	94%	76%	40-150%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51200-MS	RM17341.D	1	12/20/23	MLC	12/19/23	OP51200	GRM386
OP51200-MSD	RM17342.D	1	12/20/23	MLC	12/19/23	OP51200	GRM386
JD78884-2	RM17344.D	1	12/20/23	MLC	12/19/23	OP51200	GRM386

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

CAS No.	Compound	JD78884-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		48.6	46.8	96	46.7	42.8	92	9	41-167/46
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/17
12672-29-6	Aroclor 1248	ND			ND			ND		nc	50-150/16
11097-69-1	Aroclor 1254	ND			ND			ND		nc	10-165/38
11096-82-5	Aroclor 1260	ND		48.6	44.6	92	46.7	42.9	92	4	13-183/49
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	50-150/11

CAS No.	Surrogate Recoveries	MS	MSD	JD78884-2	Limits
877-09-8	Tetrachloro-m-xylene	115%	132%	122%	42-159%
877-09-8	Tetrachloro-m-xylene	136%	151%	142%	42-159%
2051-24-3	Decachlorobiphenyl	104%	104%	101%	18-154%
2051-24-3	Decachlorobiphenyl	128%	143%	129%	18-154%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	1379512540	5.17	1256505626	5.03
Check Std [b]	1119301210	5.16	1061123954	5.03
Upper Limit [c]	2069268810	5.66	1884758439	5.53
Lower Limit [d]	689756270	4.66	628252813	4.53

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP51199-MB1	1038589028	5.16	993489999	5.03
OP51199-BS1	1042890118	5.16	1004412221	5.03
OP51199-MS	1076768123	5.16	1041479634	5.03
OP51199-MSD	1006837448	5.16	1053064863	5.03
JD78884-1	1121372240	5.16	1015737946	5.03
JD78884-2	1035598792	5.16	990341418	5.03
JD78884-3	1008736333	5.16	965793715	5.03
JD78884-4	1027149277	5.16	999608628	5.03
JD78884-5	1007115529	5.16	989012702	5.03
JD78884-6	1001188360	5.16	973910790	5.03
JD78884-9	1050297785	5.16	987895920	5.03
JD78884-12	1044756436	5.16	1045246810	5.03
ZZZZZZ	801591140	5.16	822544587	5.03
ZZZZZZ	852699672	5.16	819707144	5.03

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G5G3451-ICC3451 5G134186.D 12/15/23 20:10. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

Internal Standard Area Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3460-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134412.D	**Injection Time:**	12:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	1379512540	5.17	1256505626	5.03
Check Std [b]	1148596980	5.16	1072853705	5.03
Upper Limit [c]	2069268810	5.66	1884758439	5.53
Lower Limit [d]	689756270	4.66	628252813	4.53

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP51195-MB1	1117663147	5.19	1083327664	5.06
OP51195-BS1	1147706248	5.16	1077782867	5.03
OP51195-MS	1189566221	5.16	1091113374	5.03
OP51195-MSD	1163940477	5.16	1071016693	5.03
JD78896-15	1183037594	5.19	1041820778	5.06
ZZZZZZ	1029559627	5.16	935537243	5.03
ZZZZZZ	985650748	5.16	902069879	5.03
JD78884-7 [e]	906703888	5.17	943744287	5.04
JD78884-8 [e]	951951650	5.16	861659013	5.03
JD78884-10 [e]	1027569157	5.16	857031175	5.03
JD78884-11 [e]	826082126	5.16	789936446	5.03

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G5G3451-ICC3451 5G134186.D 12/15/23 20:10. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.
(e) Had TBA cleanup.

DDT/Endrin Breakdown Check

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G5G3451-DDT	**Injection Date:**	12/15/23
Lab File ID:	5G134180.D	**Injection Time:**	18:06
Instrument ID:	GC5G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	35219033	25043663
4,4'-DDE	5334318	6048927
4,4'-DDT	2246856521	2388196308
DDT Breakdown [a]	1.8 %	1.3 %
Endrin aldehyde	0	0
Endrin ketone	21832160	19431597
Endrin	1394553767	1152680830
Endrin Breakdown [b]	1.5 %	1.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G5G3451-IC3451	5G134183.D	12/15/23	19:08	01:02	Initial cal 0.2
G5G3451-IC3451	5G134184.D	12/15/23	19:29	01:23	Initial cal 0.5
G5G3451-IC3451	5G134185.D	12/15/23	19:50	01:44	Initial cal 1.0
G5G3451-ICC3451	5G134186.D	12/15/23	20:10	02:04	Initial cal 2.5
G5G3451-IC3451	5G134187.D	12/15/23	20:31	02:25	Initial cal 5.0
G5G3451-IC3451	5G134188.D	12/15/23	20:52	02:46	Initial cal 7.5
G5G3451-IC3451	5G134189.D	12/15/23	21:13	03:07	Initial cal 10
G5G3451-IC3451	5G134190.D	12/15/23	21:33	03:27	Initial cal 50
G5G3451-IC3451	5G134191.D	12/15/23	21:54	03:48	Initial cal 50
G5G3451-ICV3451	5G134193.D	12/15/23	22:35	04:29	Initial cal verification 50
G5G3451-ICV3451	5G134194.D	12/15/23	22:56	04:50	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G5G3459-DDT	**Injection Date:**	12/19/23
Lab File ID:	5G134386.D	**Injection Time:**	23:43
Instrument ID:	GC5G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	65354652	67081747
4,4'-DDE	8286355	9370261
4,4'-DDT	2976056504	2514753973
DDT Breakdown [a]	2.4 %	3 %
Endrin aldehyde	23143035	15936861
Endrin ketone	29518124	26358354
Endrin	1899339789	1363718762
Endrin Breakdown [b]	2.7 %	3 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G5G3459-CC3451	5G134387.D	12/20/23	00:04	00:21	Continuing cal 5
OP51199-MB1	5G134389.D	12/20/23	00:47	01:04	Method Blank
OP51199-BS1	5G134390.D	12/20/23	01:08	01:25	Blank Spike
OP51199-MS	5G134391.D	12/20/23	01:29	01:46	Matrix Spike
OP51199-MSD	5G134392.D	12/20/23	01:50	02:07	Matrix Spike Duplicate
JD78884-1	5G134393.D	12/20/23	02:11	02:28	SB121 (9-9.5)
JD78884-2	5G134394.D	12/20/23	02:33	02:50	SB120 (3-3.5)
JD78884-3	5G134395.D	12/20/23	02:54	03:11	SB118 (5-5.5)
JD78884-4	5G134396.D	12/20/23	03:15	03:32	SB119 (8-8.5)
JD78884-5	5G134397.D	12/20/23	03:36	03:53	SB114 (4-4.5)
JD78884-6	5G134398.D	12/20/23	03:57	04:14	SB110 (4.5-5)
JD78884-9	5G134401.D	12/20/23	05:00	05:17	SB103 (4.5-5)
JD78884-12	5G134404.D	12/20/23	06:03	06:20	SB106 (5.5-6)
ZZZZZZ	5G134406.D	12/20/23	06:45	07:02	(unrelated sample)
ZZZZZZ	5G134407.D	12/20/23	07:06	07:23	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G5G3460-DDT	**Injection Date:**	12/20/23
Lab File ID:	5G134411.D	**Injection Time:**	11:50
Instrument ID:	GC5G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	127874866	114824248
4,4'-DDE	5652893	6665657
4,4'-DDT	2693285056	2009330781
DDT Breakdown [a]	4.7 %	5.7 %
Endrin aldehyde	12139413	16317468
Endrin ketone	26926392	21489665
Endrin	1817597602	1264866663
Endrin Breakdown [b]	2.1 %	2.9 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G5G3460-CC3451	5G134412.D	12/20/23	12:10	00:20	Continuing cal 2.5
OP51195-MB1	5G134414.D	12/20/23	13:29	01:39	Method Blank
OP51195-BS1	5G134415.D	12/20/23	13:50	02:00	Blank Spike
OP51195-MS	5G134416.D	12/20/23	14:10	02:20	Matrix Spike
OP51195-MSD	5G134417.D	12/20/23	14:31	02:41	Matrix Spike Duplicate
JD78896-15	5G134418.D	12/20/23	15:46	03:56	(used for QC only; not part of job JD78884)
ZZZZZZ	5G134419.D	12/20/23	16:06	04:16	(unrelated sample)
ZZZZZZ	5G134420.D	12/20/23	16:26	04:36	(unrelated sample)
JD78884-7	5G134424.D	12/20/23	17:54	06:04	SB109 (9.5-10)
JD78884-8	5G134425.D	12/20/23	18:15	06:25	SB113 (8.5-9)
JD78884-10	5G134426.D	12/20/23	18:36	06:46	SB104 (7-7.5)
JD78884-11	5G134427.D	12/20/23	18:56	07:06	SB105 (8-8.5)

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-2	**Injection Date:**	12/20/23
Lab File ID:	5G134394.D	**Injection Time:**	02:33
Client ID:	SB120 (3-3.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1 [a]	8.64	8.63	0.18	J	ug/kg	40.0
alpha-Chlordane	2	9.54	9.54	0.27	J	ug/kg	
gamma-Chlordane [b]	1 [a]	8.46	8.44	0.23	J	ug/kg	199.8
gamma-Chlordane [b]	2	9.32	9.31	466	E	ug/kg	
4,4'-DDD [b]	1 [a]	9.60	9.61	0.34	J	ug/kg	71.7
4,4'-DDD [b]	2	10.73	10.73	0.72		ug/kg	
4,4'-DDE	1	8.72	8.73	0.76		ug/kg	32.1
4,4'-DDE	2 [a]	9.75	9.79	0.55		ug/kg	
4,4'-DDT	1	10.04	10.04	0.94		ug/kg	93.8
4,4'-DDT [b]	2 [a]	11.25	11.27	0.34	J	ug/kg	
Heptachlor epoxide	1	8.25	8.28	0.39	J	ug/kg	26.1
Heptachlor epoxide	2 [a]	9.04	9.03	0.30	J	ug/kg	

(a) Final result reported from this column.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-3	**Injection Date:**	12/20/23
Lab File ID:	5G134395.D	**Injection Time:**	02:54
Client ID:	SB118 (5-5.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDE [a]	1 [b]	8.73	8.73	0.094	J	ug/kg	52.0
4,4'-DDE [a]	2	9.78	9.79	0.16	J	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-5	**Injection Date:**	12/20/23
Lab File ID:	5G134397.D	**Injection Time:**	03:36
Client ID:	SB114 (4-4.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane [a]	1 [b]	8.62	8.63	0.24	J	ug/kg	64.8
alpha-Chlordane [a]	2	9.53	9.54	0.47	J	ug/kg	
gamma-Chlordane [a]	1 [b]	8.44	8.44	0.16	J	ug/kg	199.4
gamma-Chlordane [a]	2	9.32	9.31	103	E	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-6	**Injection Date:**	12/20/23
Lab File ID:	5G134398.D	**Injection Time:**	03:57
Client ID:	SB110 (4.5-5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDD	1	9.57	9.61	0.20	J	ug/kg	82.7
4,4'-DDD [a]	2 [b]	10.72	10.73	0.083	J	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-9	**Injection Date:**	12/20/23
Lab File ID:	5G134401.D	**Injection Time:**	05:00
Client ID:	SB103 (4.5-5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
gamma-BHC (Lindane) [a]	1 [b]	6.60	6.60	0.39	J	ug/kg	42.4
gamma-BHC (Lindane) [a]	2	7.14	7.16	0.60		ug/kg	
alpha-Chlordane	1	8.65	8.63	0.33	J	ug/kg	12.9
alpha-Chlordane	2 [b]	9.55	9.54	0.29	J	ug/kg	
gamma-Chlordane [a]	1 [b]	8.42	8.44	0.53		ug/kg	199.5
gamma-Chlordane [a]	2	9.32	9.31	464	E	ug/kg	
4,4'-DDD	1	9.61	9.61	10.2		ug/kg	10.3
4,4'-DDD	2 [b]	10.73	10.73	9.2		ug/kg	
4,4'-DDE	1	8.72	8.73	1.1		ug/kg	112.1
4,4'-DDE [a]	2 [b]	9.80	9.79	0.31	J	ug/kg	
4,4'-DDT	1	10.02	10.04	2.6		ug/kg	21.3
4,4'-DDT	2 [b]	11.29	11.27	2.1		ug/kg	
Heptachlor epoxide	1 [b]	8.26	8.28	0.35	J	ug/kg	5.6
Heptachlor epoxide	2	9.04	9.03	0.37	J	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3460-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134412.D	**Injection Time:**	12:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-10	**Injection Date:**	12/20/23
Lab File ID:	5G134426.D	**Injection Time:**	18:36
Client ID:	SB104 (7-7.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-BHC [a]	1 [b]	6.27	6.27	0.93		ug/kg	142.1
alpha-BHC [a]	2	6.72	6.72	5.5		ug/kg	
delta-BHC	1	6.90	6.89	3.2		ug/kg	105.5
delta-BHC [a]	2 [b]	7.65	7.63	0.99		ug/kg	
gamma-BHC (Lindane) [a]	1 [b]	6.59	6.60	0.61		ug/kg	160.1
gamma-BHC (Lindane) [a]	2	7.15	7.16	5.5		ug/kg	
alpha-Chlordane	1	8.59	8.62	254	E	ug/kg	190.8
alpha-Chlordane [a]	2 [b]	9.56	9.53	6.0		ug/kg	
gamma-Chlordane	1	8.46	8.44	96.7	E	ug/kg	164.2
gamma-Chlordane [a]	2 [b]	9.34	9.31	9.5		ug/kg	
4,4'-DDD	1	9.62	9.60	16.8		ug/kg	82.4
4,4'-DDD [a]	2 [b]	10.76	10.73	7.0		ug/kg	
4,4'-DDE	1	8.73	8.72	26.3	E	ug/kg	160.3
4,4'-DDE [a]	2 [b]	9.81	9.78	2.9		ug/kg	
4,4'-DDT	1	10.04	10.04	5.1		ug/kg	83.3
4,4'-DDT [a]	2 [b]	11.30	11.26	2.1		ug/kg	
Endosulfan sulfate	1	11.23	11.21	64.7	E	ug/kg	116.4
Endosulfan sulfate [a]	2 [b]	11.98	11.96	17.1		ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3460-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134412.D	**Injection Time:**	12:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-11	**Injection Date:**	12/20/23
Lab File ID:	5G134427.D	**Injection Time:**	18:56
Client ID:	SB105 (8-8.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.56	8.62	1.3		ug/kg	156.2
alpha-Chlordane [a]	2 [b]	9.54	9.53	0.16	J	ug/kg	
gamma-Chlordane	1	8.45	8.44	0.14	J	ug/kg	38.3
gamma-Chlordane	2 [b]	9.33	9.31	0.095	J	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	JD78884-12	**Injection Date:**	12/20/23
Lab File ID:	5G134404.D	**Injection Time:**	06:03
Client ID:	SB106 (5.5-6)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1 [a]	8.60	8.63	0.54		ug/kg	32.6
alpha-Chlordane	2	9.54	9.54	0.75		ug/kg	
gamma-Chlordane [b]	1 [a]	8.42	8.44	0.16	J	ug/kg	199.7
gamma-Chlordane [b]	2	9.33	9.31	238	E	ug/kg	
4,4'-DDD	1	9.61	9.61	0.41	J	ug/kg	37.7
4,4'-DDD	2 [a]	10.73	10.73	0.28	J	ug/kg	
4,4'-DDT	1	10.04	10.04	0.18	J	ug/kg	40.0
4,4'-DDT	2 [a]	11.26	11.27	0.12	J	ug/kg	

(a) Final result reported from this column.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	OP51199-BS1	**Injection Date:**	12/20/23
Lab File ID:	5G134390.D	**Injection Time:**	01:08
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	7.50	7.50	7.1		ug/kg	13.5
Aldrin	2 [a]	8.20	8.20	6.2		ug/kg	
alpha-BHC	1	6.27	6.27	6.4		ug/kg	8.1
alpha-BHC	2 [a]	6.72	6.72	5.9		ug/kg	
beta-BHC	1	6.69	6.69	6.4		ug/kg	4.8
beta-BHC	2 [a]	7.24	7.24	6.1		ug/kg	
delta-BHC	1	6.89	6.89	6.2		ug/kg	8.4
delta-BHC	2 [a]	7.63	7.64	5.7		ug/kg	
gamma-BHC (Lindane)	1	6.60	6.60	6.4		ug/kg	8.1
gamma-BHC (Lindane)	2 [a]	7.16	7.16	5.9		ug/kg	
alpha-Chlordane	1	8.63	8.63	6.9		ug/kg	10.7
alpha-Chlordane	2 [a]	9.54	9.54	6.2		ug/kg	
gamma-Chlordane	1	8.44	8.44	7.1		ug/kg	18.5
gamma-Chlordane	2 [a]	9.31	9.31	5.9		ug/kg	
Dieldrin	1	9.16	9.16	7.0		ug/kg	9.0
Dieldrin	2 [a]	10.07	10.07	6.4		ug/kg	
4,4'-DDD	1	9.61	9.61	7.1		ug/kg	7.3
4,4'-DDD	2 [a]	10.73	10.73	6.6		ug/kg	
4,4'-DDE	1	8.73	8.73	7.0		ug/kg	13.7
4,4'-DDE	2 [a]	9.79	9.79	6.1		ug/kg	
4,4'-DDT	1	10.04	10.04	6.6		ug/kg	18.2
4,4'-DDT	2 [a]	11.27	11.27	5.5		ug/kg	
Endrin	1 [a]	9.51	9.51	7.4		ug/kg	10.3
Endrin	2	10.57	10.56	8.2		ug/kg	
Endosulfan sulfate	1	11.21	11.21	6.6		ug/kg	11.2
Endosulfan sulfate	2 [a]	11.96	11.96	5.9		ug/kg	
Endrin aldehyde	1	10.50	10.50	8.1		ug/kg	26.6
Endrin aldehyde	2 [a]	11.48	11.48	6.2		ug/kg	
Endosulfan-I	1	8.82	8.82	6.9		ug/kg	15.6
Endosulfan-I	2 [a]	9.63	9.63	5.9		ug/kg	
Endosulfan-II	1	9.85	9.85	6.8		ug/kg	12.5
Endosulfan-II	2 [a]	10.91	10.91	6.0		ug/kg	
Heptachlor	1	7.14	7.14	6.9		ug/kg	22.6
Heptachlor	2 [a]	7.75	7.75	5.5		ug/kg	
Heptachlor epoxide	1	8.28	8.28	7.1		ug/kg	15.2
Heptachlor epoxide	2 [a]	9.03	9.03	6.1		ug/kg	
Methoxychlor	1	10.83	10.83	6.7		ug/kg	25.2
Methoxychlor	2 [a]	12.47	12.47	5.2		ug/kg	
Endrin ketone	1	11.67	11.67	6.6		ug/kg	11.2
Endrin ketone	2 [a]	12.89	12.89	5.9		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	OP51199-MS	**Injection Date:**	12/20/23
Lab File ID:	5G134391.D	**Injection Time:**	01:29
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.50	7.50	7.3		ug/kg	11.6
Aldrin	2	8.20	8.20	6.5		ug/kg	
alpha-BHC	1 [a]	6.27	6.27	11.4		ug/kg	14.1
alpha-BHC	2	6.72	6.72	9.9		ug/kg	
beta-BHC	1 [a]	6.69	6.69	8.4		ug/kg	4.7
beta-BHC	2	7.24	7.24	8.8		ug/kg	
delta-BHC	1 [a]	6.89	6.89	10.6		ug/kg	19.7
delta-BHC	2	7.64	7.64	8.7		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.60	6.60	11.4		ug/kg	17.1
gamma-BHC (Lindane)	2	7.16	7.16	9.6		ug/kg	
alpha-Chlordane	1 [a]	8.63	8.63	7.1		ug/kg	5.5
alpha-Chlordane	2	9.54	9.54	7.5		ug/kg	
gamma-Chlordane	1 [a]	8.44	8.44	7.3		ug/kg	195.6
gamma-Chlordane	2	9.32	9.31	662	E	ug/kg	
Dieldrin	1 [a]	9.16	9.16	8.5		ug/kg	6.1
Dieldrin	2	10.07	10.07	8.0		ug/kg	
4,4'-DDD	1 [a]	9.61	9.61	7.3		ug/kg	2.8
4,4'-DDD	2	10.73	10.73	7.1		ug/kg	
4,4'-DDE	1 [a]	8.73	8.73	6.9		ug/kg	14.0
4,4'-DDE	2	9.79	9.79	6.0		ug/kg	
4,4'-DDT	1 [a]	10.04	10.04	7.0		ug/kg	24.0
4,4'-DDT	2	11.27	11.27	5.5		ug/kg	
Endrin	1 [a]	9.51	9.51	8.1		ug/kg	26.7
Endrin	2	10.57	10.56	10.6		ug/kg	
Endosulfan sulfate	1 [a]	11.21	11.21	8.2		ug/kg	10.3
Endosulfan sulfate	2	11.96	11.96	7.4		ug/kg	
Endrin aldehyde	1	10.50	10.50	6.1		ug/kg	56.8
Endrin aldehyde	2 [a]	11.48	11.48	3.4		ug/kg	
Endosulfan-I	1 [a]	8.82	8.82	8.8		ug/kg	14.6
Endosulfan-I	2	9.64	9.63	7.6		ug/kg	
Endosulfan-II	1 [a]	9.84	9.85	8.8		ug/kg	10.8
Endosulfan-II	2	10.91	10.91	7.9		ug/kg	
Heptachlor	1 [a]	7.14	7.14	8.6		ug/kg	35.6
Heptachlor	2	7.75	7.75	6.0		ug/kg	
Heptachlor epoxide	1 [a]	8.28	8.28	9.2		ug/kg	15.2
Heptachlor epoxide	2	9.03	9.03	7.9		ug/kg	
Methoxychlor	1 [a]	10.83	10.83	5.9		ug/kg	20.6
Methoxychlor	2	12.47	12.47	4.8		ug/kg	
Endrin ketone	1 [a]	11.67	11.67	8.9		ug/kg	10.7
Endrin ketone	2	12.89	12.89	8.0		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	OP51199-MSD	**Injection Date:**	12/20/23
Lab File ID:	5G134392.D	**Injection Time:**	01:50
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.50	7.50	5.5		ug/kg	5.6
Aldrin	2	8.20	8.20	5.2		ug/kg	
alpha-BHC	1 [a]	6.27	6.27	10.2		ug/kg	2.0
alpha-BHC	2	6.72	6.72	10		ug/kg	
beta-BHC	1 [a]	6.69	6.69	11.7		ug/kg	35.2
beta-BHC	2	7.24	7.24	8.2		ug/kg	
delta-BHC	1 [a]	6.89	6.89	10.2		ug/kg	21.7
delta-BHC	2	7.64	7.64	8.2		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.60	6.60	11.9		ug/kg	25.6
gamma-BHC (Lindane)	2	7.16	7.16	9.2		ug/kg	
alpha-Chlordane	1 [a]	8.63	8.63	5.9		ug/kg	37.2
alpha-Chlordane	2	9.54	9.54	8.6		ug/kg	
gamma-Chlordane	1 [a]	8.44	8.44	5.6		ug/kg	198.1
gamma-Chlordane	2	9.32	9.31	1150	E	ug/kg	
Dieldrin	1 [a]	9.16	9.16	7.2		ug/kg	8.7
Dieldrin	2	10.07	10.07	6.6		ug/kg	
4,4'-DDD	1 [a]	9.61	9.61	6.0		ug/kg	3.3
4,4'-DDD	2	10.73	10.73	6.2		ug/kg	
4,4'-DDE	1 [a]	8.73	8.73	5.8		ug/kg	9.0
4,4'-DDE	2	9.79	9.79	5.3		ug/kg	
4,4'-DDT	1 [a]	10.04	10.04	4.3		ug/kg	23.4
4,4'-DDT	2	11.27	11.27	3.4		ug/kg	
Endrin	1 [a]	9.51	9.51	6.7		ug/kg	17.7
Endrin	2	10.56	10.56	8.0		ug/kg	
Endosulfan sulfate	1 [a]	11.21	11.21	7.0		ug/kg	1.4
Endosulfan sulfate	2	11.96	11.96	7.1		ug/kg	
Endrin aldehyde	1	10.51	10.50	5.5		ug/kg	93.3
Endrin aldehyde	2 [a]	11.48	11.48	2.0		ug/kg	
Endosulfan-I	1 [a]	8.82	8.82	7.4		ug/kg	7.0
Endosulfan-I	2	9.64	9.63	6.9		ug/kg	
Endosulfan-II	1 [a]	9.85	9.85	7.1		ug/kg	0.0
Endosulfan-II	2	10.91	10.91	7.1		ug/kg	
Heptachlor	1 [a]	7.15	7.14	4.2		ug/kg	17.4
Heptachlor	2	7.75	7.75	5.0		ug/kg	
Heptachlor epoxide	1 [a]	8.28	8.28	7.6		ug/kg	8.2
Heptachlor epoxide	2	9.03	9.03	7.0		ug/kg	
Methoxychlor	1 [a]	10.83	10.83	4.9		ug/kg	30.6
Methoxychlor	2	12.47	12.47	3.6		ug/kg	
Endrin ketone	1 [a]	11.67	11.67	7.8		ug/kg	27.7
Endrin ketone	2	12.89	12.89	5.9		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17348.D	**Injection Time:**	05:38
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	JD78884-9	**Injection Date:**	12/20/23
Lab File ID:	RM17355.D	**Injection Time:**	07:35
Client ID:	SB103 (4.5-5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1254	1			17.7	J	ug/kg	40.0
Aroclor 1254	2 [a]			11.8	J	ug/kg	
AR1254-A	1	4.74	4.89 [b]	18.5	J	ug/kg	
AR1254-A	2	5.54	5.77 [b]	8.5	J	ug/kg	
AR1254-B	1	4.96	5.13 [b]	20.3	J	ug/kg	
AR1254-B	2	5.90	6.03 [b]	18.2	J	ug/kg	
AR1254-C	1	5.23	5.42 [b]	19.2	J	ug/kg	
AR1254-C	2	6.31	6.56 [b]	9.7	J	ug/kg	
AR1254-E	1	5.66	5.91 [b]	12.7	J	ug/kg	
AR1254-E	2	6.84	7.15 [b]	11.0	J	ug/kg	

(a) Final result reported from this column.
(b) StdRT taken from init cal: GRM284-IC284 RM12962.D 08/26/23 04:29

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17296.D	**Injection Time:**	02:29
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51200-BS1	**Injection Date:**	12/20/23
Lab File ID:	RM17340.D	**Injection Time:**	03:25
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			44.9		ug/kg	4.1
Aroclor 1016	2			46.8		ug/kg	
AR1016-A	1	3.50	3.49	32.4		ug/kg	
AR1016-A	2	3.91	3.91	32.1		ug/kg	
AR1016-B	1	3.72	3.72	46.5		ug/kg	
AR1016-B	2	4.21	4.21	52.3		ug/kg	
AR1016-C	1	4.09	4.08	38.6		ug/kg	
AR1016-C	2	4.60	4.60	49.5		ug/kg	
AR1016-D	1	4.17	4.16	55.9		ug/kg	
AR1016-D	2	4.71	4.70	54.6		ug/kg	
AR1016-E	1	4.46	4.46	50.9		ug/kg	
AR1016-E	2	5.12	5.11	45.4		ug/kg	
Aroclor 1260	1 [a]			42.6		ug/kg	11.1
Aroclor 1260	2			47.6		ug/kg	
AR1260-A	1	6.29	6.29	43.7		ug/kg	
AR1260-A	2	7.63	7.63	49.1		ug/kg	
AR1260-B	1	6.44	6.44	39.1		ug/kg	
AR1260-B	2	7.74	7.74	45.0		ug/kg	
AR1260-C	1	6.85	6.85	41.3		ug/kg	
AR1260-C	2	8.08	8.08	51.4		ug/kg	
AR1260-D	1	7.34	7.34	42.6		ug/kg	
AR1260-D	2	8.36	8.36	47.0		ug/kg	
AR1260-E	1	7.72	7.75	46.6		ug/kg	
AR1260-E	2	8.72	8.72	45.6		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17296.D	**Injection Time:**	02:29
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51200-MS	**Injection Date:**	12/20/23
Lab File ID:	RM17341.D	**Injection Time:**	03:42
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			46.8		ug/kg	24.4
Aroclor 1016	2			59.8		ug/kg	
AR1016-B	1	3.71	3.72	58.8		ug/kg	
AR1016-B	2	4.21	4.21	66.9		ug/kg	
AR1016-C	1	4.06	4.08	39.4		ug/kg	
AR1016-C	2	4.59	4.60	61.7		ug/kg	
AR1016-D	1	4.15	4.16	42.0		ug/kg	
AR1016-D	2	4.70	4.70	50.7		ug/kg	
Aroclor 1260	1 [a]			44.6		ug/kg	11.2
Aroclor 1260	2			49.9		ug/kg	
AR1260-A	1	6.26	6.29	45.9		ug/kg	
AR1260-A	2	7.62	7.63	50.5		ug/kg	
AR1260-B	1	6.42	6.44	41.4		ug/kg	
AR1260-B	2	7.74	7.74	50.5		ug/kg	
AR1260-C	1	6.83	6.85	49.8		ug/kg	
AR1260-C	2	8.08	8.08	54.8		ug/kg	
AR1260-D	1	7.33	7.34	39.6		ug/kg	
AR1260-D	2	8.35	8.36	45.2		ug/kg	
AR1260-E	1	7.70	7.75	46.3		ug/kg	
AR1260-E	2	8.71	8.72	48.2		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17296.D	**Injection Time:**	02:29
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51200-MSD	**Injection Date:**	12/20/23
Lab File ID:	RM17342.D	**Injection Time:**	03:58
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			42.8		ug/kg	34.9
Aroclor 1016	2			60.9		ug/kg	
AR1016-B	1	3.72	3.72	71.4		ug/kg	
AR1016-B	2	4.21	4.21	73.8		ug/kg	
AR1016-C	1	4.03	4.08	32.7		ug/kg	
AR1016-C	2	4.58	4.60	63.3		ug/kg	
AR1016-D	1	4.15	4.16	24.1		ug/kg	
AR1016-D	2	4.70	4.70	45.5		ug/kg	
Aroclor 1260	1 [a]			42.9		ug/kg	16.5
Aroclor 1260	2			50.6		ug/kg	
AR1260-A	1	6.26	6.29	43.7		ug/kg	
AR1260-A	2	7.62	7.63	49.2		ug/kg	
AR1260-B	1	6.42	6.44	40.4		ug/kg	
AR1260-B	2	7.74	7.74	50.6		ug/kg	
AR1260-C	1	6.83	6.85	43.1		ug/kg	
AR1260-C	2	8.08	8.08	55.4		ug/kg	
AR1260-D	1	7.32	7.34	38.9		ug/kg	
AR1260-D	2	8.35	8.36	47.2		ug/kg	
AR1260-E	1	7.70	7.75	48.4		ug/kg	
AR1260-E	2	8.71	8.72	50.4		ug/kg	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD78884-1	5G134393.D	109	95	121	76
JD78884-2	5G134394.D	125	113	165* [c]	122
JD78884-3	5G134395.D	130	118	159* [c]	103
JD78884-4	5G134396.D	128	118	159* [d]	104
JD78884-5	5G134397.D	131	123	163* [c]	108
JD78884-6	5G134398.D	131	121	159* [c]	108
JD78884-7	5G134424.D	119	115	106	81
JD78884-8	5G134425.D	139	123	137	92
JD78884-9	5G134401.D	131	110	173* [c]	145
JD78884-10	5G134426.D	156* [c]	157* [c]	144	1184* [c]
JD78884-11	5G134427.D	157* [c]	142	164* [c]	157* [c]
JD78884-12	5G134404.D	121	106	140	124
OP51199-BS1	5G134390.D	126	119	158* [d]	104
OP51199-MB1	5G134389.D	132	124	161* [d]	105
OP51199-MS	5G134391.D	117	114	130	92
OP51199-MSD	5G134392.D	104	109	119	94

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	66-150%
S2 = Decachlorobiphenyl	40-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference.
(d) Outside of in house control limits.

Surrogate Recovery Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD78884-1	RM17343.D	100	119	90	96
JD78884-2	RM17344.D	122	142	101	129
JD78884-3	RM17345.D	112	133	112	118
JD78884-4	RM17350.D	113	134	118	120
JD78884-5	RM17351.D	116	138	122	122
JD78884-6	RM17352.D	112	133	114	120
JD78884-7	RM17353.D	135	165* [c]	95	108
JD78884-8	RM17354.D	147	178* [c]	104	121
JD78884-9	RM17355.D	118	137	105	149
JD78884-10	RM17356.D	172* [c]	162* [c]	84	196* [c]
JD78884-11	RM17361.D	124	176* [c]	105	152
JD78884-12	RM17362.D	125	140	99	133
OP51200-BS1	RM17340.D	113	125	115	115
OP51200-MB1	RM17339.D	118	138	121	120
OP51200-MS	RM17341.D	115	136	104	128
OP51200-MSD	RM17342.D	132	151	104	143

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	42-159%
S2 = Decachlorobiphenyl	18-154%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference.

GC Surrogate Retention Time Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3459-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134387.D	**Injection Time:**	00:04
Instrument ID:	GC5G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.73	6.05	13.36	14.56

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51199-MB1	5G134389.D	12/20/23	00:47	5.73	6.05	13.37	14.57
OP51199-BS1	5G134390.D	12/20/23	01:08	5.73	6.04	13.36	14.56
OP51199-MS	5G134391.D	12/20/23	01:29	5.73	6.05	13.36	14.56
OP51199-MSD	5G134392.D	12/20/23	01:50	5.73	6.05	13.37	14.57
JD78884-1	5G134393.D	12/20/23	02:11	5.73	6.04	13.37	14.57
JD78884-2	5G134394.D	12/20/23	02:33	5.73	6.04	13.36	14.56
JD78884-3	5G134395.D	12/20/23	02:54	5.73	6.05	13.37	14.57
JD78884-4	5G134396.D	12/20/23	03:15	5.73	6.04	13.37	14.56
JD78884-5	5G134397.D	12/20/23	03:36	5.72	6.04	13.36	14.56
JD78884-6	5G134398.D	12/20/23	03:57	5.73	6.04	13.37	14.57
JD78884-9	5G134401.D	12/20/23	05:00	5.73	6.04	13.37	14.57
JD78884-12	5G134404.D	12/20/23	06:03	5.73	6.05	13.37	14.57
ZZZZZZ	5G134406.D	12/20/23	06:45	5.73	6.05	13.37	14.57
ZZZZZZ	5G134407.D	12/20/23	07:06	5.73	6.05	13.37	14.57

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3460-CC3451	**Injection Date:**	12/20/23
Lab File ID:	5G134412.D	**Injection Time:**	12:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.73	6.05	13.36	14.56

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51195-MB1	5G134414.D	12/20/23	13:29	5.77	6.09	13.38	14.57
OP51195-BS1	5G134415.D	12/20/23	13:50	5.73	6.05	13.37	14.57
OP51195-MS	5G134416.D	12/20/23	14:10	5.73	6.05	13.37	14.56
OP51195-MSD	5G134417.D	12/20/23	14:31	5.73	6.05	13.36	14.57
JD78896-15	5G134418.D	12/20/23	15:46	5.77	6.08	13.38	14.57
ZZZZZZ	5G134419.D	12/20/23	16:06	5.73	6.05	13.37	14.57
ZZZZZZ	5G134420.D	12/20/23	16:26	5.73	6.05	13.37	14.56
JD78884-7	5G134424.D	12/20/23	17:54	5.74	6.06	13.37	14.56
JD78884-8	5G134425.D	12/20/23	18:15	5.73	6.05	13.36	14.56
JD78884-10	5G134426.D	12/20/23	18:36	5.74	6.05	13.37	14.57
JD78884-11	5G134427.D	12/20/23	18:56	5.72	6.04	13.36	14.56

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17296.D	**Injection Time:**	02:29
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.23	3.54	8.86	9.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51200-MB1	RM17339.D	12/20/23	03:08	3.23	3.54	8.87	9.69
OP51200-BS1	RM17340.D	12/20/23	03:25	3.23	3.55	8.86	9.69
OP51200-MS	RM17341.D	12/20/23	03:42	3.23	3.54	8.85	9.69
OP51200-MSD	RM17342.D	12/20/23	03:58	3.22	3.54	8.85	9.69
JD78884-1	RM17343.D	12/20/23	04:15	3.23	3.54	8.85	9.69
JD78884-2	RM17344.D	12/20/23	04:32	3.23	3.54	8.85	9.69
JD78884-3	RM17345.D	12/20/23	04:48	3.23	3.55	8.85	9.69

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17348.D	**Injection Time:**	05:38
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.23	3.55	8.86	9.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JD78884-4	RM17350.D	12/20/23	06:12	3.23	3.55	8.86	9.69
JD78884-5	RM17351.D	12/20/23	06:28	3.23	3.54	8.86	9.69
JD78884-6	RM17352.D	12/20/23	06:45	3.23	3.54	8.86	9.69
JD78884-7	RM17353.D	12/20/23	07:02	3.22	3.54	8.86	9.69
JD78884-8	RM17354.D	12/20/23	07:18	3.23	3.54	8.85	9.69
JD78884-9	RM17355.D	12/20/23	07:35	3.23	3.54	8.85	9.69
JD78884-10	RM17356.D	12/20/23	07:51	3.22	3.54	8.86	9.66

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM386-CC284	**Injection Date:**	12/20/23
Lab File ID:	RM17359.D	**Injection Time:**	08:41
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.23	3.54	8.86	9.69

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JD78884-11	RM17361.D	12/20/23	09:15	3.23	3.54	8.85	9.69
JD78884-12	RM17362.D	12/20/23	09:31	3.23	3.54	8.85	9.69

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICC3451
Lab FileID: 5G134186.D

Response Factor Report GC5G

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Initial Calibration

Calibration Files
2 =5G134183.d 5 =5G134184.d 10 =5G134185.d 25 =5G134186.d
50 =5G134187.d 100 =5G134189.d 75 =5G134188.d =

Compound	2	5	10	25	50	100	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD								
2) Tetrachloro-	0.457	0.456	0.446	0.410	0.431	0.429	0.438	0.438	3.85
3) hexachlorobe	1.460	1.376	1.330	1.251	1.254	1.263	1.267	1.314	6.03
4) alpha-BHC	1.630	1.631	1.495	1.459	1.489	1.510	1.505	1.531	4.56
5) gamma-BHC	1.565	1.515	1.341	1.283	1.316	1.340	1.331	1.384	7.87
6) Heptachlor	1.573	1.467	1.337	1.234	1.224	1.214	1.214	1.323	10.90
7) beta-BHC	0.610	0.559	0.475	0.435	0.440	0.435	0.436	0.484	14.73
8) delta-BHC	1.914	1.706	1.438	1.340	1.378	1.405	1.385	1.510	14.29
9) Aldrin	1.547	1.437	1.257	1.174	1.182	1.179	1.175	1.279	11.88
10) alachlor		0.166	0.161	0.143	0.118	0.108	0.112	0.135	18.90
11) Heptachlor E	1.484	1.359	1.165	1.069	1.063	1.046	1.046	1.176	14.99
12) gamma-Chlord	1.425	1.317	1.122	1.052	1.057	1.055	1.049	1.154	13.33
13) alpha-Chlord	1.524	1.339	1.135	1.032	1.012	1.015	1.010	1.152	17.60
14) Endosulfan I	1.359	1.279	1.113	1.015	0.971	0.963	0.973	1.096	14.80
15) 4,4'-DDE	1.344	1.303	1.154	1.065	1.035	1.039	1.039	1.140	11.62
16) Dieldrin	1.610	1.508	1.295	1.172	1.137	1.110	1.116	1.278	15.93
17) Endrin	1.408	1.305	1.137	1.051	1.027	1.007	1.010	1.135	14.13
18) 4,4'-DDD	1.133	1.037	0.917	0.853	0.835	0.836	0.836	0.921	12.90
19) Endosulfan I	1.349	1.237	1.064	0.969	0.946	0.927	0.919	1.059	16.06
20) 4,4'-DDT	1.168	1.067	0.975	0.896	0.884	0.853	0.842	0.955	12.81
21) Endrin Aldeh	1.241	1.001	0.838	0.708	0.659	0.634	0.641	0.818	28.05
----- Quadratic regression ----- Coefficient = 0.9999									
Response Ratio = 0.03381 + 0.63784 *A + -0.01088 *A^2									
22) Endosulfan S	1.275	1.198	1.004	0.879	0.846	0.832	0.834	0.981	18.91
23) Methoxychlor	0.625	0.581	0.482	0.425	0.415	0.401	0.408	0.477	19.12
24) Mirex	0.792	0.748	0.684	0.625	0.615	0.609	0.618	0.670	11.00
25) Endrin Keton	1.400	1.317	1.092	0.995	0.966	0.949	0.954	1.096	17.08
26) Decachlorobi	0.852	0.812	0.695	0.696	0.659	0.674	0.680	0.724	10.46
27) I 1-bromo-2-nitrobenzen	ISTD								
28) Toxaphene{A}				0.007				0.007	0.00
29) Toxaphene{B}				0.009				0.009	0.00
30) Toxaphene{C}				0.014				0.014	0.00
31) Toxaphene{D}				0.009				0.009	0.00
32) Toxaphene{E}				0.012				0.012	0.00
33) I 1-bromo-2-nitrobenzen	ISTD								
34) Chlordane {A				0.054				0.054	0.00
35) Chlordane {B				0.030				0.030	0.00
36) Chlordane {C				0.111				0.111	0.00
37) Chlordane {D				0.163				0.163	0.00
38) Chlordane {E				0.027				0.027	0.00

Signal #2

8.9.1

8

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICC3451
Lab FileID: 5G134186.D

```
 1) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
 2) Tetrachloro- 1.021 0.964 0.898 0.936 0.892 0.886 0.888       0.926   5.51
 3) hexachlorobe 1.713 1.647 1.558 1.500 1.487 1.476 1.491       1.553   5.97
 4) alpha-BHC    2.045 1.913 1.699 1.669 1.649 1.640 1.645       1.751   9.21
 5) gamma-BHC    1.972 1.797 1.609 1.525 1.526 1.513 1.519       1.637  10.94
 6) Heptachlor   1.699 1.617 1.429 1.382 1.343 1.306 1.315       1.442  10.77
 7) beta-BHC     0.766 0.728 0.636 0.596 0.598 0.588 0.593       0.644  11.37
 8) delta-BHC    1.978 1.839 1.617 1.502 1.513 1.492 1.497       1.634  12.04
 9) Aldrin       1.631 1.554 1.405 1.325 1.317 1.300 1.307       1.406   9.56
10) alachlor           0.225 0.185 0.164 0.155 0.144 0.149       0.170  17.88
11) Heptachlor E 1.545 1.437 1.275 1.187 1.173 1.140 1.150       1.273  12.47
12) gamma-Chlord 1.625 1.489 1.315 1.234 1.224 1.210 1.213       1.330  12.31
13) alpha-Chlord 1.462 1.355 1.206 1.134 1.145 1.122 1.127       1.222  11.00
14) Endosulfan I 1.397 1.347 1.178 1.091 1.095 1.064 1.065       1.177  11.85
15) 4,4'-DDE     1.550 1.378 1.243 1.168 1.154 1.151 1.147       1.256  12.28
16) Dieldrin     1.438 1.376 1.236 1.169 1.153 1.147 1.149       1.238   9.72
17) Endrin       0.602 0.722 0.756 0.741 0.775 0.771 0.776       0.735   8.40
18) 4,4'-DDD     1.024 0.971 0.865 0.817 0.806 0.801 0.799       0.869  10.58
19) Endosulfan I 1.304 1.203 1.069 0.991 0.979 0.958 0.962       1.067  12.74
20) 4,4'-DDT     1.306 1.121 0.894 0.853 0.852 0.850 0.842       0.960  18.98
21) Endrin Aldeh 1.345 1.117 0.939 0.758 0.727 0.685 0.685       0.894  28.48
         ----- Quadratic regression -----  Coefficient =  0.9985
              Response Ratio = 0.02913 + 0.74007 *A + -0.03959 *A^2

22) Endosulfan S 1.178 1.083 0.956 0.889 0.884 0.877 0.875       0.963  12.55
23) Methoxychlor 0.594 0.534 0.446 0.384 0.392 0.379 0.385       0.445  19.37
24) Mirex        0.711 0.674 0.634 0.617 0.613 0.612 0.615       0.639   6.03
25) Endrin Keton 1.215 1.135 1.002 0.941 0.936 0.935 0.933       1.014  11.34
26) Decachlorobi 0.812 0.801 0.737 0.708 0.707 0.711 0.710       0.741   6.21

27) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
28) Toxaphene{A}                          0.008                 0.008   0.00
29) Toxaphene{B}                          0.005                 0.005   0.00
30) Toxaphene{C}                          0.025                 0.025   0.00
31) Toxaphene{D}                          0.022                 0.022   0.00
32) Toxaphene{E}                          0.024                 0.024   0.00

33) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
34) Chlordane {A                          0.064                 0.064   0.00
35) Chlordane {B                          0.034                 0.034   0.00
36) Chlordane {C                          0.122                 0.122   0.00
37) Chlordane {D                          0.193                 0.193   0.00
38) Chlordane {E                          0.026                 0.026   0.00
--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          5pstlvi3451.M        Sun Dec 17 21:48:05 2023
```

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134193.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G5...1\5G134193.d\ECD1A.ch Vial: 22
Signal #2 : C:\msdchem\1\data\G5G3451\5G134193.d\ECD2B.ch
Acq On : 15 Dec 2023 10:35 pm Operator: tilakp
Sample : icv3451-50(chlordane) Inst : GC5G
Misc : op49299,G5G3451,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.485	-10.7	113	0.00	5.69- 5.75
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.724	0.817	-12.8	125	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	4.53- 5.53
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	75	0.00	4.53- 5.53
34		Chlordane {A}	0.054	0.066	-22.2#	90	0.00	7.04- 7.24
35		Chlordane {B}	0.030	0.036	-20.0	87	0.00	7.56- 7.76

8.9.2

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134193.D

36		Chlordane {C}	0.111	0.138	-24.3#	93	0.00	8.34- 8.54
37		Chlordane {D}	0.163	0.196	-20.2#	90	0.00	8.52- 8.72
38		Chlordane {E}	0.027	0.033	-22.2#	93	0.00	9.64- 9.84
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.054	-13.8	120	0.00	6.02- 6.08
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.741	0.836	-12.8	120	0.00	14.56-14.62
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.67- 5.67
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.67- 5.67
34		Chlordane {A}	0.064	0.075	-17.2	86	0.00	7.66- 7.86
35		Chlordane {B}	0.034	0.040	-17.6	88	0.00	8.31- 8.51
36		Chlordane {C}	0.122	0.141	-15.6	86	0.00	9.23- 9.43
37		Chlordane {D}	0.193	0.225	-16.6	86	0.00	9.46- 9.66
38		Chlordane {E}	0.026	0.032	-23.1#	92	0.00	10.92-11.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134190.d 5pstlvi3451.M Sun Dec 17 21:43:57 2023

8.9.2

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134194.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G5...1\5G134194.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\G5G3451\5G134194.d\ECD2B.ch
Acq On : 15 Dec 2023 10:56 pm Operator: tilakp
Sample : icv3451-50(toxaphene) Inst : GC5G
Misc : op49299,G5G3451,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.427	2.5	93	0.00	5.69- 5.75
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.724	0.759	-4.8	108	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	4.53- 5.53
28	L8	Toxaphene{A}	0.007	0.008	-14.3	105	0.00	8.49- 8.69
29	L8	Toxaphene{B}	0.009	0.010	-11.1	102	0.00	9.20- 9.40
30	L8	Toxaphene{C}	0.014	0.019	-35.7#	118	0.00	9.92-10.12
31	L8	Toxaphene{D}	0.009	0.010	-11.1	97	0.00	10.26-10.46
32	L8	Toxaphene{E}	0.012	0.011	8.3	81	0.00	10.79-10.99
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.53- 5.53
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134194.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.018	-9.9	109	0.00	6.02- 6.08
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
		----------	True	Calc.	% Drift	----------		
21	B	Endrin Aldehyde			----------NA----------			
		----------	AvgRF	CCRF	% Dev	----------		
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.741	0.798	-7.7	107	0.00	14.56-14.62
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	91	0.00	4.67- 5.67
28	L8	Toxaphene{A}	0.008	0.012	-50.0#	131	0.00	9.96-10.16
29	L8	Toxaphene{B}	0.005	0.007	-40.0#	130	0.00	10.14-10.34
30	L8	Toxaphene{C}	0.025	0.038	-52.0#	141	0.00	10.98-11.18
31	L8	Toxaphene{D}	0.022	0.025	-13.6	105	0.00	11.43-11.63
32	L8	Toxaphene{E}	0.024	0.024	0.0	90	0.00	12.31-12.51
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.67- 5.67
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134190.d 5pstlvi3451.M Sun Dec 17 21:44:09 2023

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134203.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\G5...1\5G134203.d\ECD1A.ch Vial: 3
Signal #2 : C:\msdchem\1\DATA\G5G3451\5G134203.d\ECD2B.ch
Acq On : 16 Dec 2023 11:13 am Operator: tilakp
Sample : icv3451-2.5(pest mix) Inst : GC5G
Misc : op49299,G5G3451,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\METHODS\5pstlvi3451a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.491	-12.1	117	0.00	5.69- 5.75
3		hexachlorobenzene	1.314	1.193	9.2	93	0.00	6.07- 6.13
4	A	alpha-BHC	1.531	1.382	9.7	93	0.00	6.24- 6.30
5	MA	gamma-BHC	1.384	1.253	9.5	95	0.00	6.57- 6.63
6	MA	Heptachlor	1.323	1.174	11.3	93	0.00	7.10- 7.16
7	B	beta-BHC	0.484	0.434	10.3	97	0.00	6.65- 6.71
8	B	delta-BHC	1.510	1.329	12.0	97	0.00	6.86- 6.92
9	MB	Aldrin	1.279	1.151	10.0	96	0.00	7.47- 7.53
10		alachlor	0.135	0.126	6.7	86	0.00	7.63- 7.69
11	B	Heptachlor Epoxide	1.176	1.043	11.3	95	0.00	8.25- 8.31
12	B	gamma-Chlordane	1.154	1.029	10.8	95	0.00	8.41- 8.47
13	B	alpha-Chlordane	1.152	1.003	12.9	95	0.00	8.60- 8.66
14	A	Endosulfan I	1.096	0.975	11.0	94	0.00	8.79- 8.85
15	B	4,4'-DDE	1.140	1.014	11.1	93	0.00	8.70- 8.76
16	MA	Dieldrin	1.278	1.139	10.9	95	0.00	9.13- 9.19
17	MA	Endrin	1.135	1.021	10.0	95	0.00	9.48- 9.54
18	A	4,4'-DDD	0.921	0.831	9.8	95	0.00	9.58- 9.64
19	B	Endosulfan II	1.059	0.933	11.9	94	0.00	9.82- 9.88
20	MA	4,4'-DDT	0.955	0.828	13.3	90	0.00	10.01-10.07
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	2.500	2.595	-3.8	100	0.00	10.47-10.53
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.981	0.872	11.1	97	0.00	11.18-11.24
23	A	Methoxychlor	0.477	0.417	12.6	96	0.00	10.80-10.86
24		Mirex	0.670	0.633	5.5	99	0.00	11.00-11.06
25	B	Endrin Ketone	1.096	0.985	10.1	97	0.00	11.65-11.71
26	SA	Decachlorobiphenyl	0.724	0.810	-11.9	114	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.53- 5.53
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.53- 5.53
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134203.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.018	-9.9	109	0.00	6.02- 6.08
3		hexachlorobenzene	1.553	1.438	7.4	96	0.00	6.55- 6.61
4	A	alpha-BHC	1.751	1.590	9.2	95	0.00	6.71- 6.77
5	MA	gamma-BHC	1.637	1.476	9.8	97	0.00	7.14- 7.20
6	MA	Heptachlor	1.442	1.344	6.8	97	0.00	7.73- 7.79
7	B	beta-BHC	0.644	0.597	7.3	100	0.00	7.23- 7.29
8	B	delta-BHC	1.634	1.466	10.3	98	0.00	7.62- 7.68
9	MB	Aldrin	1.406	1.276	9.2	97	0.00	8.19- 8.25
10		alachlor	0.170	0.171	-0.6	105	0.00	7.99- 8.05
11	B	Heptachlor Epoxide	1.273	1.129	11.3	95	0.00	9.02- 9.08
12	B	gamma-Chlordane	1.330	1.176	11.6	95	0.00	9.30- 9.36
13	B	alpha-Chlordane	1.222	1.107	9.4	98	0.00	9.53- 9.59
14	A	Endosulfan I	1.177	1.047	11.0	96	0.00	9.63- 9.69
15	B	4,4'-DDE	1.256	1.115	11.2	96	0.00	9.78- 9.84
16	MA	Dieldrin	1.238	1.112	10.2	95	0.00	10.06-10.12
17	MA	Endrin	0.735	0.737	-0.3	100	0.00	10.56-10.62
18	A	4,4'-DDD	0.869	0.790	9.1	97	0.00	10.72-10.78
19	B	Endosulfan II	1.067	0.951	10.9	96	0.00	10.91-10.97
20	MA	4,4'-DDT	0.960	0.818	14.8	96	0.00	11.26-11.32
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.438	2.5	101	0.00	11.48-11.54
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.870	9.7	98	0.00	11.96-12.02
23	A	Methoxychlor	0.445	0.388	12.8	101	0.00	12.46-12.52
24		Mirex	0.639	0.665	-4.1	108	0.00	12.83-12.89
25	B	Endrin Ketone	1.014	0.931	8.2	99	0.00	12.89-12.95
26	SA	Decachlorobiphenyl	0.741	0.799	-7.8	113	0.00	14.55-14.61
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134186.d 5pstlvi3451a.M Sat Dec 16 14:52:02 2023

8.9.4

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3459-CC3451
Lab FileID: 5G134387.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\la...9\5G134387.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\laylan...G3459\5G134387.d\ECD2B.ch
Acq On : 20 Dec 2023 12:04 am Operator: christp
Sample : cc3451-5 Inst : GC5G
Misc : op51085,G5G3459,5.3,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...59\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Wed Dec 20 08:26:11 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	86	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.477	-8.9	95	0.00	5.70- 5.76
3		hexachlorobenzene	1.314	1.381	-5.1	94	0.00	6.07- 6.13
4	A	alpha-BHC	1.531	1.687	-10.2	97	0.00	6.24- 6.30
5	MA	gamma-BHC	1.384	1.509	-9.0	98	0.00	6.57- 6.63
6	MA	Heptachlor	1.323	1.538	-16.3	108	0.00	7.11- 7.17
7	B	beta-BHC	0.484	0.489	-1.0	95	0.00	6.66- 6.72
8	B	delta-BHC	1.510	1.608	-6.5	100	0.00	6.86- 6.92
9	MB	Aldrin	1.279	1.483	-15.9	108	0.00	7.47- 7.53
10		alachlor	0.135	0.141	-4.4	103	0.00	7.62- 7.68
11	B	Heptachlor Epoxide	1.176	1.334	-13.4	108	0.00	8.25- 8.31
12	B	gamma-Chlordane	1.154	1.354	-17.3	110	0.00	8.41- 8.47
13	B	alpha-Chlordane	1.152	1.299	-12.8	110	0.00	8.60- 8.66
14	A	Endosulfan I	1.096	1.241	-13.2	110	0.00	8.79- 8.85
15	B	4,4'-DDE	1.140	1.321	-15.9	109	0.00	8.70- 8.76
16	MA	Dieldrin	1.278	1.433	-12.1	108	0.00	9.13- 9.19
17	MA	Endrin	1.135	1.328	-17.0	111	0.00	9.48- 9.54
18	A	4,4'-DDD	0.921	1.056	-14.7	108	0.00	9.58- 9.64
19	B	Endosulfan II	1.059	1.162	-9.7	105	0.00	9.82- 9.88
20	MA	4,4'-DDT	0.955	1.038	-8.7	101	0.00	10.01-10.07
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	5.000	6.232	-24.6#	106	0.00	10.47-10.53
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.981	1.043	-6.3	106	0.00	11.18-11.24
23	A	Methoxychlor	0.477	0.522	-9.4	108	0.00	10.80-10.86
24		Mirex	0.670	0.774	-15.5	108	0.00	10.99-11.05
25	B	Endrin Ketone	1.096	1.170	-6.8	104	0.00	11.64-11.70
26	SA	Decachlorobiphenyl	0.724	0.879	-21.4#	114	0.00	13.33-13.39
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	82	0.00	4.53- 5.53
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	63	0.00	4.53- 5.53
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

8.9.5

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3459-CC3451
Lab FileID: 5G134387.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	83	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.926	0.939	-1.4	87	0.00	6.02- 6.08
3		hexachlorobenzene	1.553	1.557	-0.3	87	0.00	6.54- 6.60
4	A	alpha-BHC	1.751	1.699	3.0	85	0.00	6.69- 6.75
5	MA	gamma-BHC	1.637	1.607	1.8	87	0.00	7.13- 7.19
6	MA	Heptachlor	1.442	1.281	11.2	79	0.00	7.72- 7.78
7	B	beta-BHC	0.644	0.631	2.0	87	0.00	7.21- 7.27
8	B	delta-BHC	1.634	1.572	3.8	86	0.00	7.61- 7.67
9	MB	Aldrin	1.406	1.386	1.4	87	0.00	8.17- 8.23
10		alachlor	0.170	0.170	0.0	91	0.00	7.97- 8.03
11	B	Heptachlor Epoxide	1.273	1.223	3.9	86	0.00	9.00- 9.06
12	B	gamma-Chlordane	1.330	1.262	5.1	85	0.00	9.28- 9.34
13	B	alpha-Chlordane	1.222	1.232	-0.8	89	0.00	9.51- 9.57
14	A	Endosulfan I	1.177	1.130	4.0	85	0.00	9.60- 9.66
15	B	4,4'-DDE	1.256	1.218	3.0	87	0.00	9.76- 9.82
16	MA	Dieldrin	1.238	1.241	-0.2	89	0.00	10.04-10.10
17	MA	Endrin	0.735	0.942	-28.2#	100	0.00	10.53-10.59
18	A	4,4'-DDD	0.869	0.898	-3.3	92	0.00	10.70-10.76
19	B	Endosulfan II	1.067	1.005	5.8	85	0.00	10.88-10.94
20	MA	4,4'-DDT	0.960	0.867	9.7	84	0.00	11.24-11.30
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	5.000	5.048	-1.0	84	0.00	11.45-11.51
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.963	0.896	7.0	84	0.00	11.93-11.99
23	A	Methoxychlor	0.445	0.376	15.5	79	0.00	12.44-12.50
24		Mirex	0.639	0.940	-47.1#	127	0.00	12.86-12.92
25	B	Endrin Ketone	1.014	0.947	6.6	84	0.00	12.86-12.92
26	SA	Decachlorobiphenyl	0.741	0.639	13.8	75	0.00	14.53-14.59
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	4.66- 5.66
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	60	0.00	4.66- 5.66
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134237.d 5pstlvi3451.M Wed Dec 20 08:43:37 2023

8.9.5

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3460-CC3451
Lab FileID: 5G134412.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G5...0\5G134412.d\ECD1A.ch Vial: 2
Signal #2 : C:\msdchem\1\data\G5G3460\5G134412.d\ECD2B.ch
Acq On : 20 Dec 2023 12:10 pm Operator: mahalial
Sample : cc3451-2.5 Inst : GC5G
Misc : op51085,G5G3460,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Wed Dec 20 19:44:41 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	91	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.500	-14.2	112	0.00	5.70- 5.76
3		hexachlorobenzene	1.314	1.335	-1.6	97	0.00	6.07- 6.13
4	A	alpha-BHC	1.531	1.592	-4.0	100	0.00	6.24- 6.30
5	MA	gamma-BHC	1.384	1.398	-1.0	100	0.00	6.57- 6.63
6	MA	Heptachlor	1.323	1.409	-6.5	104	0.00	7.11- 7.17
7	B	beta-BHC	0.484	0.473	2.3	99	0.00	6.66- 6.72
8	B	delta-BHC	1.510	1.484	1.7	101	0.00	6.86- 6.92
9	MB	Aldrin	1.279	1.377	-7.7	107	0.00	7.47- 7.53
10		alachlor	0.135	0.134	0.7	86	0.00	7.62- 7.68
11	B	Heptachlor Epoxide	1.176	1.236	-5.1	106	0.00	8.24- 8.30
12	B	gamma-Chlordane	1.154	1.235	-7.0	107	0.00	8.41- 8.47
13	B	alpha-Chlordane	1.152	1.203	-4.4	107	0.00	8.59- 8.65
14	A	Endosulfan I	1.096	1.148	-4.7	103	0.00	8.79- 8.85
15	B	4,4'-DDE	1.140	1.224	-7.4	105	0.00	8.69- 8.75
16	MA	Dieldrin	1.278	1.349	-5.6	105	0.00	9.13- 9.19
17	MA	Endrin	1.135	1.322	-16.5	115	0.00	9.48- 9.54
18	A	4,4'-DDD	0.921	1.016	-10.3	109	0.00	9.57- 9.63
19	B	Endosulfan II	1.059	1.106	-4.4	104	0.00	9.81- 9.87
20	MA	4,4'-DDT	0.955	1.083	-13.4	110	0.00	10.01-10.07
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	2.500	2.773	-10.9	99	0.00	10.47-10.53
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.981	0.998	-1.7	104	0.00	11.18-11.24
23	A	Methoxychlor	0.477	0.468	1.9	101	0.00	10.79-10.85
24		Mirex	0.670	0.711	-6.1	104	0.00	10.99-11.05
25	B	Endrin Ketone	1.096	1.110	-1.3	102	0.00	11.64-11.70
26	SA	Decachlorobiphenyl	0.724	0.976	-34.8#	128	0.00	13.33-13.39
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.53- 5.53
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	91	0.00	4.53- 5.53
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

8.9.6

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3460-CC3451
Lab FileID: 5G134412.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.926	1.004	-8.4	96	0.00	6.02- 6.08
3		hexachlorobenzene	1.553	1.547	0.4	93	0.00	6.54- 6.60
4	A	alpha-BHC	1.751	1.689	3.5	91	0.00	6.69- 6.75
5	MA	gamma-BHC	1.637	1.563	4.5	92	0.00	7.13- 7.19
6	MA	Heptachlor	1.442	1.078	25.2#	70	0.00	7.71- 7.77
7	B	beta-BHC	0.644	0.618	4.0	93	0.00	7.21- 7.27
8	B	delta-BHC	1.634	1.545	5.4	92	0.00	7.60- 7.66
9	MB	Aldrin	1.406	1.335	5.0	90	0.00	8.17- 8.23
10		alachlor	0.170	0.150	11.8	82	0.00	7.97- 8.03
11	B	Heptachlor Epoxide	1.273	1.169	8.2	88	0.00	8.99- 9.05
12	B	gamma-Chlordane	1.330	1.201	9.7	87	0.00	9.28- 9.34
13	B	alpha-Chlordane	1.222	1.191	2.5	94	0.00	9.50- 9.56
14	A	Endosulfan I	1.177	1.134	3.7	93	0.00	9.60- 9.66
15	B	4,4'-DDE	1.256	1.213	3.4	93	0.00	9.75- 9.81
16	MA	Dieldrin	1.238	1.172	5.3	90	0.00	10.04-10.10
17	MA	Endrin	0.735	0.897	-22.0#	109	0.00	10.53-10.59
18	A	4,4'-DDD	0.869	0.856	1.5	94	0.00	10.70-10.76
19	B	Endosulfan II	1.067	0.979	8.2	89	0.00	10.88-10.94
20	MA	4,4'-DDT	0.960	0.791	17.6	83	0.00	11.23-11.29
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.103	15.9	79	0.00	11.45-11.51
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.866	10.1	87	0.00	11.93-11.99
23	A	Methoxychlor	0.445	0.324	27.2#	76	0.00	12.43-12.49
24		Mirex	0.639	0.579	9.4	84	0.00	12.80-12.86
25	B	Endrin Ketone	1.014	0.876	13.6	84	0.00	12.86-12.92
26	SA	Decachlorobiphenyl	0.741	0.655	11.6	83	0.00	14.53-14.59
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.66- 5.66
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.66- 5.66
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5G134186.d 5pstlvi3451.M Wed Dec 20 19:45:52 2023

8.9.6

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3461-CC3451
Lab FileID: 5G134441.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\tr...1\5G134441.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\trude\G5G3461\5G134441.d\ECD2B.ch
Acq On    : 21 Dec 2023   3:05 am                    Operator: christp
Sample    : cc3451-5                                 Inst    : GC5G
Misc      : op51195,G5G3461,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\dat...61\5pstlvi3451.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Thu Dec 21 20:35:01 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	62	0.00	4.52- 5.52
2	SAB	Tetrachloro-m-xylene	0.438	0.581	-32.6#	84	0.00	5.69- 5.75
3		hexachlorobenzene	1.314	1.407	-7.1	70	0.00	6.06- 6.12
4	A	alpha-BHC	1.531	1.611	-5.2	67	0.00	6.23- 6.29
5	MA	gamma-BHC	1.384	1.423	-2.8	67	0.00	6.56- 6.62
6	MA	Heptachlor	1.323	1.389	-5.0	70	0.00	7.09- 7.15
7	B	beta-BHC	0.484	0.474	2.1	67	0.00	6.65- 6.71
8	B	delta-BHC	1.510	1.463	3.1	66	0.00	6.85- 6.91
9	MB	Aldrin	1.279	1.375	-7.5	72	0.00	7.46- 7.52
10		alachlor	0.135	0.140	-3.7	74	0.00	7.62- 7.68
11	B	Heptachlor Epoxide	1.176	1.268	-7.8	74	0.00	8.23- 8.29
12	B	gamma-Chlordane	1.154	1.273	-10.3	75	0.00	8.40- 8.46
13	B	alpha-Chlordane	1.152	1.249	-8.4	77	0.00	8.58- 8.64
14	A	Endosulfan I	1.096	1.214	-10.8	78	0.00	8.78- 8.84
15	B	4,4'-DDE	1.140	1.273	-11.7	76	0.00	8.68- 8.74
16	MA	Dieldrin	1.278	1.399	-9.5	76	0.00	9.12- 9.18
17	MA	Endrin	1.135	1.249	-10.0	75	0.00	9.46- 9.52
18	A	4,4'-DDD	0.921	1.050	-14.0	78	0.00	9.56- 9.62
19	B	Endosulfan II	1.059	1.161	-9.6	76	0.00	9.80- 9.86
20	MA	4,4'-DDT	0.955	1.017	-6.5	71	0.00	9.99-10.05
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	5.000	6.169	-23.4#	76	0.00	10.45-10.51
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.981	1.048	-6.8	77	0.00	11.16-11.22
23	A	Methoxychlor	0.477	0.543	-13.8	81	0.00	10.78-10.84
24		Mirex	0.670	0.763	-13.9	77	0.00	10.98-11.04
25	B	Endrin Ketone	1.096	1.280	-16.8	82	0.00	11.62-11.68
26	SA	Decachlorobiphenyl	0.724	1.060	-46.4#	100	0.00	13.32-13.38
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	59	0.00	4.52- 5.52
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	46#	0.00	4.52- 5.52
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3461-CC3451
Lab FileID: 5G134441.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	60	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.926	0.952	-2.8	64	0.00	6.01- 6.07
3		hexachlorobenzene	1.553	1.520	2.1	61	0.00	6.53- 6.59
4	A	alpha-BHC	1.751	1.590	9.2	58	0.00	6.69- 6.75
5	MA	gamma-BHC	1.637	1.401	14.4	55	0.00	7.12- 7.18
6	MA	Heptachlor	1.442	1.033	28.4#	46#	0.00	7.71- 7.77
7	B	beta-BHC	0.644	0.540	16.1	54	0.00	7.21- 7.27
8	B	delta-BHC	1.634	1.343	17.8	53	0.00	7.60- 7.66
9	MB	Aldrin	1.406	1.233	12.3	56	0.00	8.16- 8.22
10		alachlor	0.170	0.156	8.2	60	0.00	7.97- 8.03
11	B	Heptachlor Epoxide	1.273	1.069	16.0	55	0.00	8.99- 9.05
12	B	gamma-Chlordane	1.330	1.085	18.4	53	0.00	9.27- 9.33
13	B	alpha-Chlordane	1.222	1.057	13.5	55	0.00	9.50- 9.56
14	A	Endosulfan I	1.177	0.995	15.5	54	0.00	9.60- 9.66
15	B	4,4'-DDE	1.256	1.099	12.5	57	0.00	9.75- 9.81
16	MA	Dieldrin	1.238	1.086	12.3	56	0.00	10.03-10.09
17	MA	Endrin	0.735	0.909	-23.7#	70	0.00	10.52-10.58
18	A	4,4'-DDD	0.869	0.833	4.1	62	0.00	10.69-10.75
19	B	Endosulfan II	1.067	0.901	15.6	55	0.00	10.87-10.93
20	MA	4,4'-DDT	0.960	0.741	22.8#	52	0.00	11.23-11.29
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	5.000	4.411	11.8	54	0.00	11.44-11.50
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.838	13.0	57	0.00	11.92-11.98
23	A	Methoxychlor	0.445	0.336	24.5#	51	0.00	12.43-12.49
24		Mirex	0.639	0.590	7.7	58	0.00	12.79-12.85
25	B	Endrin Ketone	1.014	0.944	6.9	60	0.00	12.85-12.91
26	SA	Decachlorobiphenyl	0.741	0.786	-6.1	67	0.00	14.53-14.59
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	57	0.00	4.66- 5.66
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	44#	0.00	4.66- 5.66
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134441.d 5pstlvi3451.M Thu Dec 21 20:36:06 2023

8.9.7

8

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

Response Factor Report GCRM

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Initial Calibration

Calibration Files
50 =rm12952.D 250 =rm12954.D 500 =rm12955.D 1000=rm12956.D
2000=rm12957.D 3000=rm12958.D 5000=rm12959.D 10k =rm12960.D
20k =rm12961.D 100 =rm12953.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	8.384	9.535	9.819	9.310						9.110	9.232 E7	5.88
2) AR1221-A				7.188							7.188 E5	0.00
3) AR1221-B				1.064							1.064 E6	0.00
4) AR1221-C				3.471							3.471 E6	0.00
5) AR1221-D				9.972							9.972 E5	0.00
6) AR1221-E				7.239							7.239 E5	0.00
7) AR1232-A				2.639							2.639 E6	0.00
8) AR1232-B				1.539							1.539 E6	0.00
9) AR1232-C				3.024							3.024 E6	0.00
10) AR1232-D				1.380							1.380 E6	0.00
11) AR1232-E				1.161							1.161 E6	0.00
12) AR1242-A				1.516							1.516 E6	0.00
13) AR1242-B				2.841							2.841 E6	0.00
14) AR1242-C				2.163							2.163 E6	0.00
15) AR1242-D				5.818							5.818 E6	0.00
16) AR1242-E				2.434							2.434 E6	0.00
17) AR1248-A				1.219							1.219 E6	0.00
18) AR1248-B				3.133							3.133 E6	0.00
19) AR1248-C				3.321							3.321 E6	0.00
20) AR1248-D				3.477							3.477 E6	0.00
21) AR1248-E				3.788							3.788 E6	0.00
22) AR1248-F				5.645							5.645 E6	0.00
23) AR1248-G												

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

				5.128							5.128	E6	0.00
24)	AR1254-A												
				3.783							3.783	E6	0.00
25)	AR1254-B												
				9.661							9.661	E6	0.00
26)	AR1254-C												
				4.720							4.720	E6	0.00
27)	AR1254-D												
				6.889							6.889	E6	0.00
28)	AR1254-E												
				5.708							5.708	E6	0.00
29)	AR1254-F												
				5.819							5.819	E6	0.00
30)	AR1254-G												
				6.784							6.784	E6	0.00
31)	AR1262-A												
				8.168							8.168	E6	0.00
32)	AR1262-B												
				7.908							7.908	E6	0.00
33)	AR1262-C												
				6.239							6.239	E6	0.00
34)	AR1262-D												
				1.567							1.567	E7	0.00
35)	AR1262-E												
				1.594							1.594	E7	0.00
36)	AR1268-A												
				1.488							1.488	E7	0.00
37)	AR1268-B												
				1.644							1.644	E7	0.00
38)	AR1268-C												
				1.178							1.178	E7	0.00
39)	AR1268-D												
				4.791							4.791	E6	0.00
40)	AR1268-E												
				3.145							3.145	E7	0.00
41)	AR1016-A												
		1.608	1.824	1.764	1.636	1.632	1.624	1.627	1.588	1.969	1.697	E6	7.59
42)	AR1016-B												
		3.197	3.368	3.327	3.071	3.045	2.983	2.885	2.704	4.451	3.226	E6	15.64
43)	AR1016-C												
		6.366	6.951	7.013	6.667	6.731	6.721	6.560	6.080	7.621	6.746	E6	6.44
44)	AR1016-D												
		2.700	2.874	2.836	2.629	2.611	2.600	2.539	2.403	3.229	2.713	E6	8.88
45)	AR1016-E												
		2.939	3.018	2.927	2.710	2.724	2.714	2.672	2.563	3.832	2.900	E6	13.09
46)	AR1260-A												
		6.865	7.851	7.913	7.196	7.216	7.156	7.021	6.616	7.589	7.269	E6	6.01
47)	AR1260-B												
		4.978	5.560	5.530	5.170	5.162	5.047	4.823	4.831	5.412	5.168	E6	5.42
48)	AR1260-C												
		4.155	4.659	4.576	4.333	4.405	4.368	4.267	4.011	4.597	4.374	E6	4.89
49)	AR1260-D												
		1.191	1.299	1.316	1.217	1.192	1.154	1.058	0.933	1.287	1.183	E7	10.45
50)	AR1260-E												
		1.065	1.150	1.171	1.069	1.061	1.052	0.996	0.926	1.181	1.075	E7	7.74
51)	Decachlorobiphenyl												
		6.427	6.931	6.953	6.228					7.282	6.764	E7	6.33

Signal #2

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

1)	Tetrachloro-m-xylene						
	6.272 7.295 7.798 7.664			6.777	7.161	E7	8.87
2)	AR1221-A						
		6.596			6.596	E5	0.00
3)	AR1221-B						
		8.785			8.785	E5	0.00
4)	AR1221-C						
		2.343			2.343	E6	0.00
5)	AR1221-D						
		6.379			6.379	E5	0.00
6)	AR1221-E						
		5.331			5.331	E5	0.00
7)	AR1232-A						
		1.798			1.798	E6	0.00
8)	AR1232-B						
		1.366			1.366	E6	0.00
9)	AR1232-C						
		2.529			2.529	E6	0.00
10)	AR1232-D						
		1.362			1.362	E6	0.00
11)	AR1232-E						
		6.883			6.883	E5	0.00
12)	AR1242-A						
		1.235			1.235	E6	0.00
13)	AR1242-B						
		2.412			2.412	E6	0.00
14)	AR1242-C						
		1.128			1.128	E6	0.00
15)	AR1242-D						
		4.733			4.733	E6	0.00
16)	AR1242-E						
		1.417			1.417	E6	0.00
17)	AR1248-A						
		1.078			1.078	E6	0.00
18)	AR1248-B						
		2.576			2.576	E6	0.00
19)	AR1248-C						
		1.799			1.799	E6	0.00
20)	AR1248-D						
		2.199			2.199	E6	0.00
21)	AR1248-E						
		3.120			3.120	E6	0.00
22)	AR1248-F						
		3.100			3.100	E6	0.00
23)	AR1248-G						
		4.127			4.127	E6	0.00
24)	AR1254-A						
		4.551			4.551	E6	0.00
25)	AR1254-B						
		3.544			3.544	E6	0.00
26)	AR1254-C						
		2.783			2.783	E6	0.00
27)	AR1254-D						
		5.962			5.962	E6	0.00
28)	AR1254-E						
		3.780			3.780	E6	0.00
29)	AR1254-F						
		3.960			3.960	E6	0.00
30)	AR1254-G						
		5.549			5.549	E6	0.00

Initial Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

```
31)  AR1262-A
                          3.861                                    3.861 E6    0.00
32)  AR1262-B
                          5.847                                    5.847 E6    0.00
33)  AR1262-C
                          5.015                                    5.015 E6    0.00
34)  AR1262-D
                          1.111                                    1.111 E7    0.00
35)  AR1262-E
                          1.246                                    1.246 E7    0.00
36)  AR1268-A
                          1.266                                    1.266 E7    0.00
37)  AR1268-B
                          1.353                                    1.353 E7    0.00
38)  AR1268-C
                          1.033                                    1.033 E7    0.00
39)  AR1268-D
                          3.990                                    3.990 E6    0.00
40)  AR1268-E
                          3.075                                    3.075 E7    0.00
41)  AR1016-A
               1.270 1.329 1.374 1.265 1.262 1.262 1.274 1.262 1.613  1.323 E6    8.72
42)  AR1016-B
               2.654 2.838 2.816 2.614 2.614 2.611 2.608 2.541 3.113  2.712 E6    6.65
43)  AR1016-C
               5.328 5.838 5.919 5.692 5.783 5.876 5.880 5.626 6.327  5.808 E6    4.60
44)  AR1016-D
               2.792 2.866 2.763 2.531 2.517 2.511 2.497 2.439 3.490  2.712 E6   12.16
45)  AR1016-E
               1.727 1.816 1.767 1.665 1.694 1.731 1.781 1.780 2.037  1.778 E6    6.07
46)  AR1260-A
               5.628 6.202 6.292 6.050 6.156 6.243 6.285 5.973 6.492  6.147 E6    3.99
47)  AR1260-B
               3.488 3.800 3.856 3.659 3.706 3.694 3.603 3.341 3.999  3.683 E6    5.31
48)  AR1260-C
               3.379 3.779 3.858 3.716 3.788 3.828 3.811 3.629 3.785  3.730 E6    3.96
49)  AR1260-D
               7.857 9.088 9.390 8.945 8.989 8.859 8.443 7.606 8.828  8.667 E6    6.80
50)  AR1260-E
               7.589 8.581 8.847 8.452 8.562 8.607 8.488 8.061 8.361  8.394 E6    4.39
51)  Decachlorobiphenyl
               5.678 6.288 6.179 5.667                      7.505  6.263 E7   11.97
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          lvipcbgrm284a.M        Mon Aug 28 22:11:09 2023
```

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\GRM284\rm12966.D\ECD1A.ch  Vial: 17
Signal #2 : C:\msdchem\1\data\GRM284\rm12966.D\ECD2B.ch
Acq On    : 26 Aug 2023  05:35 am                    Operator: rebeccak
Sample    : icv284-100                               Inst    : GCRM
Misc      : op48654,grm284,5.0,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title        :
Last Update  : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	110.808 E6	-20.0#	113	0.00	3.27- 3.33
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.697	1.930 E6	-13.7	109	0.00	3.54- 3.60

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

42		AR1016-B	3.226	3.952	E6	-22.5#	119	0.00	3.78- 3.84
43		AR1016-C	6.746	7.697	E6	-14.1	110	0.00	4.14- 4.20
44		AR1016-D	2.713	3.457	E6	-27.4#	122	0.00	4.24- 4.30
45		AR1016-E	2.900	3.051	E6	-5.2	104	0.00	4.55- 4.62
46		AR1260-A	7.269	9.852	E6	-35.5#	125	0.01	6.51- 6.57
47		AR1260-B	5.168	5.626	E6	-8.9	102	0.00	6.67- 6.73
48		AR1260-C	4.374	4.870	E6	-11.3	106	0.00	7.07- 7.14
49		AR1260-D	11.831	13.704	E6	-15.8	104	0.00	7.53- 7.59
50		AR1260-E	10.746	11.366	E6	-5.8	97	0.00	7.91- 7.97
51	S	Decachlorobiphenyl	67.642	79.243	E6	-17.2	114	0.00	8.99- 9.06
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	91.122	E6	-27.2#	117	0.00	3.61- 3.67
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.513	E6	-14.4	110	0.00	3.99- 4.05
42		AR1016-B	2.712	3.512	E6	-29.5#	125	0.00	4.31- 4.37
43		AR1016-C	5.808	6.916	E6	-19.1	117	0.00	4.70- 4.76
44		AR1016-D	2.712	3.260	E6	-20.2#	118	0.00	4.82- 4.88
45		AR1016-E	1.778	1.897	E6	-6.7	107	0.00	5.26- 5.32
46		AR1260-A	6.147	8.099	E6	-31.8#	129	0.00	7.83- 7.89
47		AR1260-B	3.683	4.091	E6	-11.1	106	0.00	7.93- 7.99

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

48		AR1260-C	3.730	4.172	E6	-11.8	108	0.00	8.26- 8.32
49		AR1260-D	8.667	9.915	E6	-14.4	106	0.00	8.52- 8.58
50		AR1260-E	8.394	8.955	E6	-6.7	101	0.00	8.87- 8.93
51	S	Decachlorobiphenyl	62.632	70.850	E6	-13.1	115	0.00	9.82- 9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0

rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:39 2023

8.9.9

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12967.D\ECD1A.ch Vial: 18
Signal #2 : C:\msdchem\1\data\GRM284\rm12967.D\ECD2B.ch
Acq On : 26 Aug 2023 05:52 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	113.052 E6	-22.5#	115	0.00	3.27- 3.33
2	AR1221-A	718.842	744.416 E3	-3.6	104	0.00	2.83- 3.03
3	AR1221-B	1.064	1.036 E6	2.6	97	0.00	3.34- 3.54
4	AR1221-C	3.471	3.334 E6	3.9	96	0.00	3.47- 3.67
5	AR1221-D	997.195	811.477 E3	18.6	81	0.00	3.72- 3.92
6	AR1221-E	723.938	602.854 E3	16.7	83	0.00	4.10- 4.30
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A	3.783	4.013 E6	-6.1	106	0.00	4.79- 4.99
25	AR1254-B	9.661	9.920 E6	-2.7	103	0.00	5.04- 5.24
26	AR1254-C	4.720	4.781 E6	-1.3	101	0.00	5.32- 5.52
27	AR1254-D	6.889	6.804 E6	1.2	99	0.00	5.46- 5.66
28	AR1254-E	5.708	5.465 E6	4.3	96	0.02	5.83- 6.03
29	AR1254-F	5.819	6.146 E6	-5.6	106	0.00	6.02- 6.22
30	AR1254-G	6.784	7.041 E6	-3.8	104	0.00	6.45- 6.65
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	73.381 E6	-8.5	106	0.00	8.99- 9.06	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.335 E6	-17.8	108	0.00	3.61- 3.67	
2		AR1221-A	659.640	674.991 E3	-2.3	102	0.00	3.25- 3.31	
3		AR1221-B	878.470	840.691 E3	4.3	96	0.00	3.76- 3.96	
4		AR1221-C	2.343	2.185 E6	6.7	93	0.00	3.92- 4.12	
5		AR1221-D	637.874	533.905 E3	16.3	84	0.00	4.24- 4.44	
6		AR1221-E	533.103	417.273 E3	21.7#	78	0.00	4.64- 4.84	
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A	4.551	4.590 E6	-0.9	101	0.00	5.67- 5.87	
25		AR1254-B	3.544	3.664 E6	-3.4	103	0.00	5.93- 6.13	
26		AR1254-C	2.783	2.849 E6	-2.4	102	0.00	6.46- 6.66	
27		AR1254-D	5.962	6.113 E6	-2.5	103	0.00	6.67- 6.87	
28		AR1254-E	3.780	3.697 E6	2.2	98	0.01	7.07- 7.27	
29		AR1254-F	3.960	4.146 E6	-4.7	105	0.00	7.48- 7.68	
30		AR1254-G	5.549	5.773 E6	-4.0	104	0.00	7.76- 7.96	
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

8.9.10

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	65.132 E6	-4.0	105	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:41 2023

8.9.10

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12968.D\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\GRM284\rm12968.D\ECD2B.ch
Acq On : 26 Aug 2023 06:08 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	108.727 E6	-17.8	111	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	2.639	2.871 E6	-8.8	109	0.00	3.47- 3.67
8		AR1232-B	1.539	1.704 E6	-10.7	111	0.00	3.72- 3.92
9		AR1232-C	3.024	3.231 E6	-6.8	107	0.00	4.09- 4.29
10		AR1232-D	1.380	1.530 E6	-10.9	111	0.00	4.18- 4.38
11		AR1232-E	1.161	1.305 E6	-12.4	112	0.00	4.49- 4.69
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	8.168	8.678 E6	-6.2	106	0.00	6.02- 6.22
32		AR1262-B	7.908	8.575 E6	-8.4	108	0.00	6.60- 6.80
33		AR1262-C	6.239	6.758 E6	-8.3	108	0.00	7.00- 7.20
34		AR1262-D	15.670	16.724 E6	-6.7	107	0.00	7.46- 7.66
35		AR1262-E	15.944	16.791 E6	-5.3	105	0.00	7.85- 8.05
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

8.9.11

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	76.386 E6	-12.9	110	0.00	8.99- 9.06	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.206 E6	-17.6	108	0.00	3.61- 3.67	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A	1.798	1.919 E6	-6.7	107	0.00	3.92- 4.12	
8		AR1232-B	1.366	1.487 E6	-8.9	109	0.00	4.24- 4.44	
9		AR1232-C	2.529	2.710 E6	-7.2	107	0.00	4.64- 4.84	
10		AR1232-D	1.362	1.522 E6	-11.7	112	0.00	4.76- 4.96	
11		AR1232-E	688.317	752.197 E3	-9.3	109	0.00	5.20- 5.40	
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	3.861	4.133 E6	-7.0	107	0.00	7.52- 7.72	
32		AR1262-B	5.847	6.282 E6	-7.4	107	0.00	7.86- 8.06	
33		AR1262-C	5.015	5.376 E6	-7.2	107	0.00	8.19- 8.39	
34		AR1262-D	11.110	11.870 E6	-6.8	107	0.00	8.45- 8.65	
35		AR1262-E	12.459	13.392 E6	-7.5	107	0.00	8.79- 8.99	
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	66.311 E6	-5.9	107	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:43 2023

8.9.11

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\GRM284\rm12969.D\ECD1A.ch  Vial: 20
Signal #2 : C:\msdchem\1\data\GRM284\rm12969.D\ECD2B.ch
Acq On    : 26 Aug 2023  06:25 am                    Operator: rebeccak
Sample    : icv284-100                               Inst    : GCRM
Misc      : op48654,grm284,5.0,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title        :
Last Update  : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	95.276 E6	-3.2	97	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	1.516	1.622 E6	-7.0	107	0.00	3.47- 3.67
13		AR1242-B	2.841	3.153 E6	-11.0	111	0.00	3.71- 3.91
14		AR1242-C	2.163	2.413 E6	-11.6	112	0.00	3.86- 4.06
15		AR1242-D	5.818	6.248 E6	-7.4	107	0.00	4.08- 4.28
16		AR1242-E	2.434	2.635 E6	-8.3	108	0.00	4.49- 4.69
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A	14.885	14.219 E6	4.5	96	0.00	7.85- 8.05
37		AR1268-B	16.437	15.734 E6	4.3	96	0.00	7.89- 8.09
38		AR1268-C	11.780	11.364 E6	3.5	96	0.00	8.10- 8.30
39		AR1268-D	4.791	4.623 E6	3.5	96	0.00	8.49- 8.69
40		AR1268-E	31.446	30.310 E6	3.6	96	0.00	8.75- 8.95
41		AR1016-A		----------NA----------				

8.9.12

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	225.355 E6	-233.2#	324#	0.00	8.98- 9.05	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	76.263 E6	-6.5	98	0.00	3.61- 3.67	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A	1.235	1.306 E6	-5.7	106	0.00	3.92- 4.12	
13		AR1242-B	2.412	2.675 E6	-10.9	111	0.00	4.24- 4.44	
14		AR1242-C	1.128	1.243 E6	-10.2	110	0.00	4.44- 4.64	
15		AR1242-D	4.733	5.142 E6	-8.6	109	0.00	4.64- 4.84	
16		AR1242-E	1.417	1.507 E6	-6.4	106	0.00	5.19- 5.39	
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	12.656	12.081 E6	4.5	95	0.00	8.79- 8.99	
37		AR1268-B	13.526	12.894 E6	4.7	95	0.00	8.83- 9.03	
38		AR1268-C	10.332	9.962 E6	3.6	96	0.00	9.05- 9.25	
39		AR1268-D	3.990	3.802 E6	4.7	95	0.00	9.30- 9.50	
40		AR1268-E	30.750	29.666 E6	3.5	96	0.00	9.55- 9.75	
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	62.632	196.900	E6	-214.4#	319#	0.00	9.82- 9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:45 2023

8.9.12

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12970.D\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\GRM284\rm12970.D\ECD2B.ch
Acq On : 26 Aug 2023 06:41 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	96.632 E6	-4.7	98	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	1.219	1.293 E6	-6.1	106	0.00	3.71- 3.91
18		AR1248-B	3.133	3.886 E6	-24.0#	124	-0.01	4.08- 4.28
19		AR1248-C	3.321	3.782 E6	-13.9	114	0.00	4.30- 4.50
20		AR1248-D	3.477	4.037 E6	-16.1	116	0.00	4.48- 4.68
21		AR1248-E	3.788	3.950 E6	-4.3	104	-0.03	4.56- 4.76
22		AR1248-F	5.645	7.037 E6	-24.7#	125	-0.08	4.84- 5.04
23		AR1248-G	5.128	3.787 E6	26.2#	74	-0.03	5.06- 5.26
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

8.9.13

8

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	69.933 E6	-3.4	101	0.00	8.98-	9.05
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.437 E6	-17.9	108	0.00	3.61-	3.67
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A	1.078	1.149 E6	-6.6	107	0.00	4.24-	4.44
18		AR1248-B	2.576	3.093 E6	-20.1#	120	0.00	4.63-	4.83
19		AR1248-C	1.799	2.161 E6	-20.1#	120	0.00	4.92-	5.12
20		AR1248-D	2.199	2.709 E6	-23.2#	123	0.00	5.19-	5.39
21		AR1248-E	3.120	3.497 E6	-12.1	112	0.00	5.33-	5.53
22		AR1248-F	3.100	2.630 E6	15.2	85	-0.04	5.63-	5.83
23		AR1248-G	4.127	4.602 E6	-11.5	112	-0.04	6.00-	6.20
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	63.697 E6	-1.7	103	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:47 2023

8.9.13

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17296.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM386\rm17296.D\ECD1A.ch Vial: 142
Signal #2 : C:\msdchem\1\data\GRM386\rm17296.D\ECD2B.ch
Acq On : 20 Dec 2023 02:29 am Operator: mahalial
Sample : cc284-100 Inst : GCRM
Misc : op51237,grm386,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Sun Nov 19 09:47:45 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	95.461 E6	-3.4	97	0.00	3.20- 3.26
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	1.697	1.472 E6	13.3	83	0.01	3.46- 3.52

8.9.14

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17296.D

42		AR1016-B	3.226	3.137 E6	2.8	94	0.00	3.69-	3.75
43		AR1016-C	6.746	6.452 E6	4.4	92	0.02	4.05-	4.11
44		AR1016-D	2.713	2.932 E6	-8.1	103	0.01	4.13-	4.19
45		AR1016-E	2.900	2.988 E6	-3.0	102	0.00	4.42-	4.49
46		AR1260-A	7.269	7.012 E6	3.5	89	0.01	6.26-	6.32
47		AR1260-B	5.168	4.258 E6	17.6	77	0.00	6.41-	6.47
48		AR1260-C	4.374	3.938 E6	10.0	86	0.00	6.81-	6.88
49		AR1260-D	11.831	11.363 E6	4.0	86	0.00	7.31-	7.37
50		AR1260-E	10.746	10.491 E6	2.4	90	0.03	7.72-	7.78
51	S	Decachlorobiphenyl	67.642	75.489 E6	-11.6	109	0.00	8.83-	8.90
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	85.043 E6	-18.8	109	0.00	3.51-	3.57
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.416 E6	-7.0	103	0.00	3.88-	3.94
42		AR1016-B	2.712	2.893 E6	-6.7	103	0.00	4.18-	4.24
43		AR1016-C	5.808	6.046 E6	-4.1	102	0.00	4.57-	4.63
44		AR1016-D	2.712	3.003 E6	-10.7	109	0.00	4.67-	4.73
45		AR1016-E	1.778	1.840 E6	-3.5	104	0.00	5.08-	5.14
46		AR1260-A	6.147	6.670 E6	-8.5	106	0.00	7.60-	7.66
47		AR1260-B	3.683	3.717 E6	-0.9	96	0.00	7.71-	7.77

8.9.14

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17296.D

48		AR1260-C	3.730	4.049	E6	-8.6	105	0.00	8.05- 8.11
49		AR1260-D	8.667	9.374	E6	-8.2	100	0.00	8.33- 8.39
50		AR1260-E	8.394	8.991	E6	-7.1	102	0.00	8.69- 8.75
51	S	Decachlorobiphenyl	62.632	69.768	E6	-11.4	113	0.00	9.66- 9.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm16003.D lvipcbgrm284.M Wed Dec 20 14:34:06 2023

8.9.14

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17348.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM386\rm17348.D\ECD1A.ch Vial: 30
Signal #2 : C:\msdchem\1\data\GRM386\rm17348.D\ECD2B.ch
Acq On : 20 Dec 2023 05:38 am Operator: mahalial
Sample : cc284-50 Inst : GCRM
Misc : op51200,grm386,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Sun Nov 19 09:47:45 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	94.559 E6	-2.4	99	0.00	3.20- 3.26
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.697	2.028 E6	-19.5	111	0.02	3.47- 3.53

8.9.15

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17348.D

42		AR1016-B	3.226	3.604 E6	-11.7	107	0.00	3.69-	3.75
43		AR1016-C	6.746	5.861 E6	13.1	84	0.03	4.06-	4.12
44		AR1016-D	2.713	3.221 E6	-18.7	112	0.02	4.14-	4.20
45		AR1016-E	2.900	3.094 E6	-6.7	103	0.02	4.43-	4.50
46		AR1260-A	7.269	6.819 E6	6.2	87	0.02	6.27-	6.33
47		AR1260-B	5.168	4.304 E6	16.7	77	0.00	6.41-	6.47
48		AR1260-C	4.374	3.877 E6	11.4	83	0.00	6.82-	6.89
49		AR1260-D	11.831	11.225 E6	5.1	86	0.01	7.32-	7.38
50		AR1260-E	10.746	10.645 E6	0.9	93	0.04	7.72-	7.78
51	S	Decachlorobiphenyl	67.642	78.328 E6	-15.8	113	0.00	8.83-	8.90
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	77.842 E6	-8.7	107	0.00	3.52-	3.58
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.421 E6	-7.4	107	0.00	3.88-	3.94
42		AR1016-B	2.712	2.876 E6	-6.0	101	0.00	4.18-	4.24
43		AR1016-C	5.808	5.579 E6	3.9	96	0.01	4.57-	4.63
44		AR1016-D	2.712	3.222 E6	-18.8	112	0.01	4.68-	4.74
45		AR1016-E	1.778	1.770 E6	0.4	97	0.00	5.09-	5.15
46		AR1260-A	6.147	6.299 E6	-2.5	102	0.00	7.60-	7.66
47		AR1260-B	3.683	3.602 E6	2.2	95	0.00	7.71-	7.77

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17348.D

48		AR1260-C	3.730	3.948 E6	-5.8	104	0.00	8.05-	8.11
49		AR1260-D	8.667	8.880 E6	-2.5	98	0.00	8.33-	8.39
50		AR1260-E	8.394	8.624 E6	-2.7	100	0.00	8.69-	8.75
51	S	Decachlorobiphenyl	62.632	68.809 E6	-9.9	109	0.00	9.66-	9.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm14062.D lvipcbgrm284.M Wed Dec 20 14:55:00 2023

8.9.15

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17359.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM386\rm17359.D\ECD1A.ch Vial: 38
Signal #2 : C:\msdchem\1\data\GRM386\rm17359.D\ECD2B.ch
Acq On : 20 Dec 2023 08:41 am Operator: mahalial
Sample : cc284-100 Inst : GCRM
Misc : op51200,grm386,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Sun Nov 19 09:47:45 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	92.122 E6	0.2	94	0.00	3.20- 3.26
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	1.697	1.405 E6	17.2	80	0.01	3.46- 3.52

8.9.16

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17359.D

42		AR1016-B	3.226	2.992 E6	7.3	90	0.00	3.69-	3.75
43		AR1016-C	6.746	6.328 E6	6.2	90	0.02	4.05-	4.11
44		AR1016-D	2.713	2.853 E6	-5.2	101	0.00	4.13-	4.19
45		AR1016-E	2.900	2.854 E6	1.6	98	0.00	4.42-	4.49
46		AR1260-A	7.269	6.806 E6	6.4	86	0.01	6.25-	6.31
47		AR1260-B	5.168	4.406 E6	14.7	80	0.00	6.41-	6.47
48		AR1260-C	4.374	3.795 E6	13.2	83	0.00	6.81-	6.88
49		AR1260-D	11.831	10.963 E6	7.3	83	0.00	7.31-	7.37
50		AR1260-E	10.746	10.147 E6	5.6	87	0.03	7.72-	7.78
51	S	Decachlorobiphenyl	67.642	71.840 E6	-6.2	103	0.00	8.82-	8.89
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	83.767 E6	-17.0	107	0.00	3.51-	3.57
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.385 E6	-4.7	101	0.00	3.88-	3.94
42		AR1016-B	2.712	2.844 E6	-4.9	101	0.00	4.18-	4.24
43		AR1016-C	5.808	6.008 E6	-3.4	101	0.00	4.57-	4.63
44		AR1016-D	2.712	2.893 E6	-6.7	105	0.00	4.67-	4.73
45		AR1016-E	1.778	1.800 E6	-1.2	102	0.00	5.08-	5.14
46		AR1260-A	6.147	6.576 E6	-7.0	105	0.00	7.60-	7.66
47		AR1260-B	3.683	3.655 E6	0.8	95	-0.01	7.71-	7.77

8.9.16

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17359.D

48		AR1260-C	3.730	3.974 E6	-6.5	103	-0.01	8.05-	8.11
49		AR1260-D	8.667	9.280 E6	-7.1	99	0.00	8.33-	8.39
50		AR1260-E	8.394	8.882 E6	-5.8	100	0.00	8.69-	8.75
51	S	Decachlorobiphenyl	62.632	67.540 E6	-7.8	109	0.00	9.66-	9.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm16003.D lvipcbgrm284.M Wed Dec 20 15:04:54 2023

8.9.16

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17365.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM386\rm17365.D\ECD1A.ch Vial: 41
Signal #2 : C:\msdchem\1\data\GRM386\rm17365.D\ECD2B.ch
Acq On : 20 Dec 2023 10:21 am Operator: mahalial
Sample : cc284-50 Inst : GCRM
Misc : op51200,grm386,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Sun Nov 19 09:47:45 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	97.335 E6	-5.4	102	0.00	3.20- 3.26
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A	1.697	1.424 E6	16.1	78	0.02	3.47- 3.53

8.9.17

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17365.D

42		AR1016-B	3.226	3.180	E6	1.4	94	0.00	3.69- 3.75
43		AR1016-C	6.746	5.754	E6	14.7	83	0.03	4.06- 4.12
44		AR1016-D	2.713	3.253	E6	-19.9	113	0.02	4.14- 4.20
45		AR1016-E	2.900	3.050	E6	-5.2	101	0.01	4.43- 4.50
46		AR1260-A	7.269	6.983	E6	3.9	89	0.02	6.26- 6.32
47		AR1260-B	5.168	4.312	E6	16.6	78	0.00	6.41- 6.47
48		AR1260-C	4.374	3.961	E6	9.4	85	0.00	6.82- 6.89
49		AR1260-D	11.831	11.497	E6	2.8	88	0.00	7.32- 7.38
50		AR1260-E	10.746	10.822	E6	-0.7	94	0.04	7.72- 7.78
51	S	Decachlorobiphenyl	67.642	79.194	E6	-17.1	114	0.00	8.83- 8.90
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	82.189	E6	-14.8	113	0.00	3.52- 3.58
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.461	E6	-10.4	110	0.00	3.88- 3.94
42		AR1016-B	2.712	3.006	E6	-10.8	106	0.00	4.18- 4.24
43		AR1016-C	5.808	5.886	E6	-1.3	101	0.00	4.57- 4.63
44		AR1016-D	2.712	2.681	E6	1.1	94	0.00	4.68- 4.74
45		AR1016-E	1.778	1.874	E6	-5.4	103	0.00	5.09- 5.15
46		AR1260-A	6.147	6.619	E6	-7.7	107	0.00	7.60- 7.66
47		AR1260-B	3.683	3.801	E6	-3.2	100	0.00	7.71- 7.77

8.9.17

8

Continuing Calibration Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM386-CC284
Lab FileID: RM17365.D

48		AR1260-C	3.730	4.156	E6	-11.4	110	0.00	8.05- 8.11
49		AR1260-D	8.667	9.368	E6	-8.1	103	0.00	8.33- 8.39
50		AR1260-E	8.394	9.079	E6	-8.2	106	0.00	8.69- 8.75
51	S	Decachlorobiphenyl	62.632	70.265	E6	-12.2	112	0.00	9.66- 9.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0

rm14062.D lvipcbgrm284.M Wed Dec 20 15:08:53 2023

8.9.17

8

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3451	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3451-DDT	5G134180.D	12/15/23 18:06	n/a	DDT/Endrin Breakdown Check
G5G3451-IC3451	5G134183.D	12/15/23 19:08	n/a	Initial cal 0.2
G5G3451-IC3451	5G134184.D	12/15/23 19:29	n/a	Initial cal 0.5
G5G3451-IC3451	5G134185.D	12/15/23 19:50	n/a	Initial cal 1.0
G5G3451-ICC3451	5G134186.D	12/15/23 20:10	n/a	Initial cal 2.5
G5G3451-IC3451	5G134187.D	12/15/23 20:31	n/a	Initial cal 5.0
G5G3451-IC3451	5G134188.D	12/15/23 20:52	n/a	Initial cal 7.5
G5G3451-IC3451	5G134189.D	12/15/23 21:13	n/a	Initial cal 10
G5G3451-IC3451	5G134190.D	12/15/23 21:33	n/a	Initial cal 50
G5G3451-IC3451	5G134191.D	12/15/23 21:54	n/a	Initial cal 50
G5G3451-ICV3451	5G134193.D	12/15/23 22:35	n/a	Initial cal verification 50
G5G3451-ICV3451	5G134194.D	12/15/23 22:56	n/a	Initial cal verification 50
G5G3451-DDT	5G134201.D	12/16/23 10:32	n/a	DDT/Endrin Breakdown Check
G5G3451-ICV3451	5G134203.D	12/16/23 11:13	n/a	Initial cal verification 2.5

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3459	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3459-DDT	5G134386.D	12/19/23 23:43	n/a	DDT/Endrin Breakdown Check
G5G3459-CC3451	5G134387.D	12/20/23 00:04	n/a	Continuing cal 5
OP51199-MB1	5G134389.D	12/20/23 00:47	OP51199	Method Blank
OP51199-BS1	5G134390.D	12/20/23 01:08	OP51199	Blank Spike
OP51199-MS	5G134391.D	12/20/23 01:29	OP51199	Matrix Spike
OP51199-MSD	5G134392.D	12/20/23 01:50	OP51199	Matrix Spike Duplicate
JD78884-1	5G134393.D	12/20/23 02:11	OP51199	SB121 (9-9.5)
JD78884-2	5G134394.D	12/20/23 02:33	OP51199	SB120 (3-3.5)
JD78884-3	5G134395.D	12/20/23 02:54	OP51199	SB118 (5-5.5)
JD78884-4	5G134396.D	12/20/23 03:15	OP51199	SB119 (8-8.5)
JD78884-5	5G134397.D	12/20/23 03:36	OP51199	SB114 (4-4.5)
JD78884-6	5G134398.D	12/20/23 03:57	OP51199	SB110 (4.5-5)
JD78884-9	5G134401.D	12/20/23 05:00	OP51199	SB103 (4.5-5)
JD78884-12	5G134404.D	12/20/23 06:03	OP51199	SB106 (5.5-6)
ZZZZZZ	5G134406.D	12/20/23 06:45	OP51199	(unrelated sample)
ZZZZZZ	5G134407.D	12/20/23 07:06	OP51199	(unrelated sample)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3460	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3460-DDT	5G134411.D	12/20/23 11:50	n/a	DDT/Endrin Breakdown Check
G5G3460-CC3451	5G134412.D	12/20/23 12:10	n/a	Continuing cal 2.5
OP51195-MB1	5G134414.D	12/20/23 13:29	OP51195	Method Blank
OP51195-BS1	5G134415.D	12/20/23 13:50	OP51195	Blank Spike
OP51195-MS	5G134416.D	12/20/23 14:10	OP51195	Matrix Spike
OP51195-MSD	5G134417.D	12/20/23 14:31	OP51195	Matrix Spike Duplicate
JD78896-15	5G134418.D	12/20/23 15:46	OP51195	(used for QC only; not part of job JD78884)
ZZZZZZ	5G134419.D	12/20/23 16:06	OP51199	(unrelated sample)
ZZZZZZ	5G134420.D	12/20/23 16:26	OP51199	(unrelated sample)
JD78884-7	5G134424.D	12/20/23 17:54	OP51199	SB109 (9.5-10)
JD78884-8	5G134425.D	12/20/23 18:15	OP51199	SB113 (8.5-9)
JD78884-10	5G134426.D	12/20/23 18:36	OP51199	SB104 (7-7.5)
JD78884-11	5G134427.D	12/20/23 18:56	OP51199	SB105 (8-8.5)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3461	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3461-DDT	5G134440.D	12/21/23 02:44	n/a	DDT/Endrin Breakdown Check
G5G3461-CC3451	5G134441.D	12/21/23 03:05	n/a	Continuing cal 5
OP51197-MB1	5G134443.D	12/21/23 03:57	OP51197	Method Blank
OP51197-BS1	5G134444.D	12/21/23 04:18	OP51197	Blank Spike
OP51197-MS	5G134445.D	12/21/23 04:38	OP51197	Matrix Spike
OP51197-MSD	5G134446.D	12/21/23 04:59	OP51197	Matrix Spike Duplicate
ZZZZZZ	5G134447.D	12/21/23 05:20	OP51195	(unrelated sample)
ZZZZZZ	5G134448.D	12/21/23 05:40	OP51195	(unrelated sample)
ZZZZZZ	5G134449.D	12/21/23 06:01	OP51195	(unrelated sample)
ZZZZZZ	5G134450.D	12/21/23 06:22	OP51195	(unrelated sample)
ZZZZZZ	5G134451.D	12/21/23 06:43	OP51195	(unrelated sample)
ZZZZZZ	5G134452.D	12/21/23 07:03	OP51195	(unrelated sample)
ZZZZZZ	5G134453.D	12/21/23 07:24	OP51195	(unrelated sample)
ZZZZZZ	5G134454.D	12/21/23 07:45	OP51195	(unrelated sample)
ZZZZZZ	5G134455.D	12/21/23 08:06	OP51195	(unrelated sample)
ZZZZZZ	5G134456.D	12/21/23 08:27	OP51195	(unrelated sample)
JD78896-68	5G134457.D	12/21/23 08:48	OP51197	(used for QC only; not part of job JD78884)
ZZZZZZ	5G134458.D	12/21/23 09:09	OP51195	(unrelated sample)
ZZZZZZ	5G134459.D	12/21/23 09:30	OP51195	(unrelated sample)
ZZZZZZ	5G134461.D	12/21/23 10:12	OP51195	(unrelated sample)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM284	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRM284-IC284	RM12953.D	08/26/23 02:00	n/a	Initial cal 10
GRM284-IC284	RM12954.D	08/26/23 02:17	n/a	Initial cal 25
GRM284-IC284	RM12955.D	08/26/23 02:33	n/a	Initial cal 50
GRM284-ICC284	RM12956.D	08/26/23 02:50	n/a	Initial cal 100
GRM284-IC284	RM12957.D	08/26/23 03:06	n/a	Initial cal 200
GRM284-IC284	RM12958.D	08/26/23 03:23	n/a	Initial cal 300
GRM284-IC284	RM12959.D	08/26/23 03:39	n/a	Initial cal 500
GRM284-IC284	RM12960.D	08/26/23 03:56	n/a	Initial cal 1000
GRM284-IC284	RM12961.D	08/26/23 04:12	n/a	Initial cal 2000
GRM284-IC284	RM12962.D	08/26/23 04:29	n/a	Initial cal 100
GRM284-IC284	RM12963.D	08/26/23 04:45	n/a	Initial cal 100
GRM284-IC284	RM12964.D	08/26/23 05:02	n/a	Initial cal 100
GRM284-IC284	RM12965.D	08/26/23 05:19	n/a	Initial cal 100
GRM284-ICV284	RM12966.D	08/26/23 05:35	n/a	Initial cal verification 100
GRM284-ICV284	RM12967.D	08/26/23 05:52	n/a	Initial cal verification 100
GRM284-ICV284	RM12968.D	08/26/23 06:08	n/a	Initial cal verification 100
GRM284-ICV284	RM12969.D	08/26/23 06:25	n/a	Initial cal verification 100
GRM284-ICV284	RM12970.D	08/26/23 06:41	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM386	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
OP51237-MB1	RM17276.D	12/19/23 19:06	OP51237	Method Blank
OP51237-BS1	RM17277.D	12/19/23 19:27	OP51237	Blank Spike
OP51237-MS	RM17278.D	12/19/23 19:44	OP51237	Matrix Spike
OP51237-MSD	RM17279.D	12/19/23 20:00	OP51237	Matrix Spike Duplicate
JD78739-3	RM17280.D	12/19/23 20:17	OP51237	(used for QC only; not part of job JD78884)
ZZZZZZ	RM17281.D	12/19/23 20:34	OP51237	(unrelated sample)
ZZZZZZ	RM17282.D	12/19/23 20:51	OP51237	(unrelated sample)
GRM386-CC284	RM17285.D	12/19/23 21:41	n/a	Continuing cal 50
ZZZZZZ	RM17287.D	12/19/23 22:14	OP51237	(unrelated sample)
ZZZZZZ	RM17288.D	12/19/23 22:31	OP51237	(unrelated sample)
ZZZZZZ	RM17289.D	12/19/23 22:48	OP51237	(unrelated sample)
ZZZZZZ	RM17290.D	12/19/23 23:04	OP51237	(unrelated sample)
ZZZZZZ	RM17291.D	12/19/23 23:21	OP51237	(unrelated sample)
ZZZZZZ	RM17292A.D	12/20/23 01:23	OP51237	(unrelated sample)
ZZZZZZ	RM17293.D	12/20/23 01:39	OP51237	(unrelated sample)
GRM386-CC284	RM17296.D	12/20/23 02:29	n/a	Continuing cal 100
OP51200-MB1	RM17339.D	12/20/23 03:08	OP51200	Method Blank
OP51200-BS1	RM17340.D	12/20/23 03:25	OP51200	Blank Spike
OP51200-MS	RM17341.D	12/20/23 03:42	OP51200	Matrix Spike
OP51200-MSD	RM17342.D	12/20/23 03:58	OP51200	Matrix Spike Duplicate
JD78884-1	RM17343.D	12/20/23 04:15	OP51200	SB121 (9-9.5)
JD78884-2	RM17344.D	12/20/23 04:32	OP51200	SB120 (3-3.5)
JD78884-3	RM17345.D	12/20/23 04:48	OP51200	SB118 (5-5.5)
GRM386-CC284	RM17348.D	12/20/23 05:38	n/a	Continuing cal 50
JD78884-4	RM17350.D	12/20/23 06:12	OP51200	SB119 (8-8.5)
JD78884-5	RM17351.D	12/20/23 06:28	OP51200	SB114 (4-4.5)
JD78884-6	RM17352.D	12/20/23 06:45	OP51200	SB110 (4.5-5)
JD78884-7	RM17353.D	12/20/23 07:02	OP51200	SB109 (9.5-10)
JD78884-8	RM17354.D	12/20/23 07:18	OP51200	SB113 (8.5-9)
JD78884-9	RM17355.D	12/20/23 07:35	OP51200	SB103 (4.5-5)
JD78884-10	RM17356.D	12/20/23 07:51	OP51200	SB104 (7-7.5)
GRM386-CC284	RM17359.D	12/20/23 08:41	n/a	Continuing cal 100
JD78884-11	RM17361.D	12/20/23 09:15	OP51200	SB105 (8-8.5)
JD78884-12	RM17362.D	12/20/23 09:31	OP51200	SB106 (5.5-6)
GRM386-CC284	RM17365.D	12/20/23 10:21	n/a	Continuing cal 50
OP51194-MB1	RM17298.D	12/20/23 10:55	OP51194	Method Blank
OP51194-BS1	RM17299.D	12/20/23 11:11	OP51194	Blank Spike
OP51194-BSD	RM17300.D	12/20/23 11:28	OP51194	Blank Spike Duplicate
ZZZZZZ	RM17301.D	12/20/23 11:45	OP51237	(unrelated sample)
ZZZZZZ	RM17302.D	12/20/23 12:01	OP51237	(unrelated sample)
ZZZZZZ	RM17303.D	12/20/23 12:18	OP51237	(unrelated sample)
JD78892-3	RM17304.D	12/20/23 12:35	OP51194	(used for QC only; not part of job JD78884)
GRM386-CC284	RM17307.D	12/20/23 13:25	n/a	Continuing cal 50
OP51194-MS	RM17309.D	12/20/23 13:58	OP51194	Matrix Spike
OP51194-MSD	RM17310.D	12/20/23 14:14	OP51194	Matrix Spike Duplicate
ZZZZZZ	RM17311.D	12/20/23 14:31	OP51194	(unrelated sample)

Run Sequence Report

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM386	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ZZZZZZ	RM17312.D	12/20/23 14:48	OP51194	(unrelated sample)
ZZZZZZ	RM17313.D	12/20/23 15:04	OP51194	(unrelated sample)
ZZZZZZ	RM17314.D	12/20/23 15:21	OP51194	(unrelated sample)
ZZZZZZ	RM17315.D	12/20/23 15:37	OP51194	(unrelated sample)
GRM386-CC284	RM17318.D	12/20/23 16:27	n/a	Continuing cal 100
ZZZZZZ	RM17320.D	12/20/23 17:01	OP51194	(unrelated sample)
ZZZZZZ	RM17321.D	12/20/23 17:17	OP51194	(unrelated sample)
ZZZZZZ	RM17322.D	12/20/23 17:34	OP51194	(unrelated sample)
ZZZZZZ	RM17323.D	12/20/23 17:51	OP51194	(unrelated sample)
ZZZZZZ	RM17324.D	12/20/23 18:07	OP51194	(unrelated sample)
ZZZZZZ	RM17325.D	12/20/23 18:24	OP51194	(unrelated sample)
ZZZZZZ	RM17326.D	12/20/23 18:40	OP51194	(unrelated sample)
GRM386-CC284	RM17329.D	12/20/23 19:30	n/a	Continuing cal 50
ZZZZZZ	RM17331.D	12/20/23 20:04	OP51194	(unrelated sample)
ZZZZZZ	RM17332.D	12/20/23 20:20	OP51194	(unrelated sample)
ZZZZZZ	RM17333.D	12/20/23 20:37	OP51194	(unrelated sample)
ZZZZZZ	RM17334.D	12/20/23 20:54	OP51194	(unrelated sample)
GRM386-CC284	RM17337.D	12/20/23 21:44	n/a	Continuing cal 100

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:14	MA55263-STD1	1		b=9.3899e-005,c=-3.2963e-002,rho=0.9999470
15:15	MA55263-STD2	1		STDB
15:17	MA55263-STD3	1		STDC
15:18	MA55263-STD4	1		STDD
15:20	MA55263-STD5	1		STDE
15:22	MA55263-STD6	1		STDF
15:25	ZZZZZZ	1		
15:27	MA55263-ICV1	1		
15:28	MA55263-ICB1	1		
15:31	MA55263-CCV1	1		
15:32	MA55263-CCB1	1		
15:34	MA55263-CRI1	1		
15:36	MP43824-MB1	1		
15:37	MP43824-B1	1		
15:39	MP43824-S1	1		
15:41	MP43824-S2	1		
15:43	MP43824-LC1	50		
15:46	JD78203-2	1		(sample used for QC only; not part of login JD78884)
15:48	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	MA55263-CCV2	1		
15:53	MA55263-CCB2	1		
15:55	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:15	MA55263-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:18	MA55263-CCB3	1		
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:27	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:31	ZZZZZZ	1		
16:32	MA55263-CCV4	1		
16:34	MA55263-CCB4	1		
16:36	MA55263-CRI2	1		
16:38	MP43847-MB1	1		
16:40	MP43847-B1	1		
16:41	MP43847-LC1	5		
16:43	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:49	MA55263-CCV5	1		
16:52	MA55263-CCB5	1		
16:56	MP43825-MB1	1		
16:58	MP43825-B1	1		
16:59	MP43825-S1	1		
17:01	MP43825-S2	1		
17:04	JD78884-1	1		
17:06	JD78884-2	1		
17:08	JD78884-3	1		
17:10	MA55263-CCV6	1		
17:12	MA55263-CCB6	1		
17:14	JD78884-4	1		
17:16	JD78884-5	1		
17:17	JD78884-6	1		
17:19	JD78884-7	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:33	JD78884-8	1		
17:34	JD78884-9	1		
17:37	JD78884-10	1		
17:39	MA55263-CCV7	1		
17:42	MA55263-CCB7	1		
17:44	JD78884-11	1		
17:45	JD78884-12	1		
17:48	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:56	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:02	MA55263-CCV8	1		
18:05	MA55263-CCB8	1		
18:07	MP43827-MB1	1		
18:08	MP43827-B1	1		
18:10	MP43827-S1	1		
18:12	MP43827-S2	1		
18:15	JD78896-2	1		(sample used for QC only; not part of login JD78884)
18:17	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:23	MA55263-CCV9	1		
18:25	MA55263-CCB9	1		
18:28	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:43	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:44	MA55263-CCV10	1		
18:47	MA55263-CCB10	1		
18:49	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:55	ZZZZZZ	1		
18:57	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:06	MA55263-CCV11	1		
19:09	MA55263-CCB11	1		
19:11	MP43828-MB1	1		
19:12	MP43828-B1	1		
19:13	MP43828-S1	1		
19:16	MP43828-S2	1		
19:18	JD78896-55	1		(sample used for QC only; not part of login JD78884)
19:21	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:26	MA55263-CCV12	1		
19:28	MA55263-CCB12	1		
19:30	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:43	MA55263-CCV13	1		
19:45	MA55263-CCB13	1		
19:47	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:49	ZZZZZZ	1		
19:51	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:55	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:00	ZZZZZZ	1		
20:01	MA55263-CCV14	1		
20:04	MA55263-CCB14	1		
20:12	JD78884-10	5		
---------->	Last reportable sample/prep for job JD78884			
20:13	ZZZZZZ	5		
20:15	MA55263-CCV15	1		
20:18	MA55263-CCB15	1		
---------->	Last reportable CCB for job JD78884			

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
15:25	ZZZZZZ	1		
15:27	MA55263-ICV1	1	X	
15:28	MA55263-ICB1	1	X	
15:31	MA55263-CCV1	1	X	
15:32	MA55263-CCB1	1	X	
15:34	MA55263-CRI1	1	X	
15:36	MP43824-MB1	1	X	
15:37	MP43824-B1	1	X	
15:39	MP43824-S1	1	X	
15:41	MP43824-S2	1	X	
15:43	MP43824-LC1	50	X	
15:46	JD78203-2	1	X	(a)
15:48	ZZZZZZ	1		
15:50	ZZZZZZ	1		
15:52	MA55263-CCV2	1	X	
15:53	MA55263-CCB2	1	X	
15:55	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:04	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:11	ZZZZZZ	1		
16:15	MA55263-CCV3	1	X	
16:18	MA55263-CCB3	1	X	
16:20	ZZZZZZ	1		
16:21	ZZZZZZ	1		
16:23	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:26	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
16:27	ZZZZZZ	1	
16:29	ZZZZZZ	1	
16:31	ZZZZZZ	1	
16:32	MA55263-CCV4	1	X
16:34	MA55263-CCB4	1	X
16:36	MA55263-CRI2	1	X
16:38	MP43847-MB1	1	X
16:40	MP43847-B1	1	X
16:41	MP43847-LC1	5	X
16:43	ZZZZZZ	1	
16:46	ZZZZZZ	1	
16:48	ZZZZZZ	1	
16:49	MA55263-CCV5	1	X
16:52	MA55263-CCB5	1	X
16:56	MP43825-MB1	1	X
16:58	MP43825-B1	1	X
16:59	MP43825-S1	1	X
17:01	MP43825-S2	1	X
17:04	JD78884-1	1	X
17:06	JD78884-2	1	X
17:08	JD78884-3	1	X
17:10	MA55263-CCV6	1	X
17:12	MA55263-CCB6	1	X
17:14	JD78884-4	1	X
17:16	JD78884-5	1	X
17:17	JD78884-6	1	X
17:19	JD78884-7	1	X
17:33	JD78884-8	1	X
17:34	JD78884-9	1	X
17:37	JD78884-10	1	
17:39	MA55263-CCV7	1	X
17:42	MA55263-CCB7	1	X
17:44	JD78884-11	1	X
		Element:	Hg

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
17:45	JD78884-12	1	X	
17:48	ZZZZZZ	1		
17:50	ZZZZZZ	1		
17:52	ZZZZZZ	1		
17:54	ZZZZZZ	1		
17:56	ZZZZZZ	1		
17:58	ZZZZZZ	1		
18:02	MA55263-CCV8	1	X	
18:05	MA55263-CCB8	1	X	
18:07	MP43827-MB1	1	X	
18:08	MP43827-B1	1	X	
18:10	MP43827-S1	1	X	
18:12	MP43827-S2	1	X	
18:15	JD78896-2	1	X	(a)
18:17	ZZZZZZ	1		
18:19	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:23	MA55263-CCV9	1	X	
18:25	MA55263-CCB9	1	X	
18:28	ZZZZZZ	1		
18:29	ZZZZZZ	1		
18:31	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:44	MA55263-CCV10	1	X	
18:47	MA55263-CCB10	1	X	
18:49	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:55	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
18:57	ZZZZZZ	1		
18:59	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:06	MA55263-CCV11	1	X	
19:09	MA55263-CCB11	1	X	
19:11	MP43828-MB1	1	X	
19:12	MP43828-B1	1	X	
19:13	MP43828-S1	1	X	
19:16	MP43828-S2	1	X	
19:18	JD78896-55	1	X	(a)
19:21	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:24	ZZZZZZ	1		
19:26	MA55263-CCV12	1	X	
19:28	MA55263-CCB12	1	X	
19:30	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:34	ZZZZZZ	1		
19:35	ZZZZZZ	1		
19:37	ZZZZZZ	1		
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:43	MA55263-CCV13	1	X	
19:45	MA55263-CCB13	1	X	
19:47	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:51	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:54	ZZZZZZ	1		
19:55	ZZZZZZ	1		
19:58	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55263
Parameters: Hg

Time	Sample Description	Element: Dilution	H g
20:00	ZZZZZZ	1	
20:01	MA55263-CCV14	1	X
20:04	MA55263-CCB14	1	X
20:12	JD78884-10	5	X
20:13	ZZZZZZ	5	
20:15	MA55263-CCV15	1	X
20:18	MA55263-CCB15	1	X

(a) Sample used for QC only; not part of login JD78884.

Element: H
g

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55263 Units: ug/l

Time:			15:28		15:32		15:53		16:18	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.0112	<0.20	-0.0123	<0.20	-0.0323	<0.20	0.0182	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55263 Units: ug/l

Time: / Sample ID:			16:34 CCB4		16:52 CCB5		17:12 CCB6		17:42 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.0268	<0.20	-0.0126	<0.20	-0.0376	<0.20	-0.0515	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55263 Units: ug/l

Time: / Sample ID:			18:05 CCB8		18:25 CCB9		18:47 CCB10		19:09 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	0.0253	<0.20	-0.0311	<0.20	-0.0497	<0.20	-0.0366	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55263 Units: ug/l

Time:			19:28		19:45		20:04		20:18	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.0488	<0.20	-0.0289	<0.20	-0.0358	<0.20	-0.0452	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		15:27			15:31			15:52	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.25	108.3	2.5	2.45	98.0	2.5	2.35	94.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		16:15			16:32			16:49	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.42	96.8	2.5	2.35	94.0	2.5	2.39	95.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		17:10			17:39			18:02	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.29	91.6	2.5	2.26	90.4	2.5	2.33	93.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		18:23			18:44			19:06	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.32	92.8	2.5	2.25	90.0	2.5	2.38	95.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		19:26			19:43			20:01	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.30	92.0	2.5	2.34	93.6	2.5	2.32	92.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55263 Units: ug/l

Time:		20:15	
Sample ID:	CCV	CCV15	
Metal	True	Results	% Rec
Mercury	2.5	2.30	92.0

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9121923S1.CSV Date Analyzed: 12/19/23 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA55263 Units: ug/l

Time:			15:34		16:36	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.156	78.0	0.154	77.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:36	MA55266-STD1	1		STDA
11:41	MA55266-STD2	1		STDB
11:46	MA55266-ICV1	1		
11:52	MA55266-ICB1	1		
11:59	MA55266-ICCV1	1		
12:09	MA55266-CCB1	1		
12:14	MA55266-CRI1	1		
12:19	MA55266-CRID1	1		
12:25	MA55266-ICSA1	1		
12:29	MA55266-ICSAB1	1		
12:34	MA55266-HSTD1	1		
12:40	MA55266-HSTD2	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:56	ZZZZZZ	1		
13:01	MA55266-CCV1	1		
13:06	MA55266-CCB2	1		
13:11	MP43778-MB1	1		
13:16	MP43778-B1	1		
13:21	MP43778-S1	1		
13:25	MP43778-S2	1		
13:30	JD78896-41	1		(sample used for QC only; not part of login JD78884)
13:35	MP43778-SD1	5		
13:40	MP43778-PS1	1		
13:45	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:55	MA55266-CCV2	1		
14:00	MA55266-CCB3	1		
14:06	ZZZZZZ	1		
14:11	ZZZZZZ	1		
14:16	ZZZZZZ	1		
14:21	ZZZZZZ	1		
14:26	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:31	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:41	ZZZZZZ	1		
14:46	ZZZZZZ	1		
14:51	MA55266-CCV3	1		
14:56	MA55266-CCB4	1		
15:01	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:10	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:25	ZZZZZZ	1		
15:30	ZZZZZZ	1		
15:35	MP43802-MB1	1		
15:40	MP43802-B1	1		
15:45	MA55266-CCV4	1		
15:50	MA55266-CCB5	1		
15:55	MP43802-S1	1		
16:00	MP43802-S2	1		
16:05	JD78829-2	1		(sample used for QC only; not part of login JD78884)
16:10	MP43802-SD1	5		
16:15	ZZZZZZ	1		
16:20	ZZZZZZ	1		
16:25	ZZZZZZ	1		
16:30	ZZZZZZ	1		
16:35	ZZZZZZ	1		
16:40	MA55266-CCV5	1		
16:45	MA55266-CCB6	1		
16:50	ZZZZZZ	1		
16:55	ZZZZZZ	1		
17:00	ZZZZZZ	1		
17:05	ZZZZZZ	1		
17:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:16	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:36	MA55266-CCV6	1		
17:41	MA55266-CCB7	1		
17:46	MP43785-S1	10		
17:51	MP43785-S2	10		
17:56	JD77980-1AR	10		(sample used for QC only; not part of login JD78884)
18:01	MP43785-SD1	50		
18:06	ZZZZZZ	10		
18:11	ZZZZZZ	10		
18:16	ZZZZZZ	10		
18:21	ZZZZZZ	10		
18:26	ZZZZZZ	10		
18:31	ZZZZZZ	10		
18:37	MA55266-CCV7	1		
18:42	MA55266-CCB8	1		
18:47	ZZZZZZ	10		
18:52	MP43777-MB1	1		Zn RL raised 3x
18:57	MP43777-B1	1		
19:02	MP43777-S1	1		
19:07	MP43777-S2	1		
19:12	JD78781-1	1		(sample used for QC only; not part of login JD78884)
19:17	MP43777-SD1	5		
19:22	MP43777-PS1	1		
19:27	ZZZZZZ	1		
19:32	ZZZZZZ	1		
19:37	MA55266-CCV8	1		
19:42	MA55266-CCB9	1		
19:47	ZZZZZZ	1		
19:52	ZZZZZZ	1		
19:57	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:02	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:27	ZZZZZZ	1		
20:32	ZZZZZZ	1		
20:37	MA55266-CCV9	1		
20:42	MA55266-CCB10	1		
20:47	ZZZZZZ	1		
20:52	ZZZZZZ	1		
20:58	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:07	ZZZZZZ	1		
21:12	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:22	MP43787-B1	1		
21:27	MP43787-MB1	1		
21:32	MA55266-CCV10	1		
21:37	MA55266-CCB11	1		
21:42	MP43787-S1	1		
21:47	MP43787-S2	1		
21:52	JD78896-97	1		(sample used for QC only; not part of login JD78884)
21:57	MP43787-SD1	5		
22:02	MP43787-PS1	1		
22:07	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:18	ZZZZZZ	1		
22:23	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	MA55266-CCV11	1		
22:38	MA55266-CCB12	1		
22:43	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:48	ZZZZZZ	1		
22:53	ZZZZZZ	1		
22:58	ZZZZZZ	1		
23:03	ZZZZZZ	1		
23:08	ZZZZZZ	1		
23:13	MP43762-B1	1		
23:18	MP43762-MB1	1		
23:23	MP43762-B2	1		
23:28	MA55266-CCV12	1		
23:33	MA55266-CCB13	1		
23:38	MP43762-S1	1		
23:43	MP43762-S2	1		
23:48	JD78452-1F	1		(sample used for QC only; not part of login JD78884)
23:53	MP43762-SD1	5		
23:58	ZZZZZZ	1		
00:03	ZZZZZZ	1		
00:08	ZZZZZZ	1		
00:13	ZZZZZZ	1		
00:18	ZZZZZZ	1		
00:23	MA55266-CCV13	1		
00:28	MA55266-CCB14	1		
00:33	ZZZZZZ	1		
00:38	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:09	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:19	ZZZZZZ	1		
01:24	MA55266-CCV14	1		
01:29	MA55266-CCB15	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:35	ZZZZZZ	1		
01:40	ZZZZZZ	1		
01:45	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	MP43813-MB1	1		
02:00	MP43813-LB1	1		
02:05	MP43813-B1	1		
02:10	MP43813-LS1	1		
02:15	MP43813-S1	1		
02:20	MP43813-S2	1		
02:25	MA55266-CCV15	1		
02:30	MA55266-CCB16	1		
02:35	JD77943-1R	1		(sample used for QC only; not part of login JD78884)
02:40	MP43813-SD1	5		
02:45	ZZZZZZ	1		
02:50	MP43806-MB1	1		
02:55	MP43806-B1	1		
03:00	MP43806-S1	1		
03:05	MP43806-S2	1		
03:10	JD78872-10	1		(sample used for QC only; not part of login JD78884)
03:15	MP43806-SD1	5		
03:20	MP43806-S3	1		
03:25	MA55266-CCV16	1		
03:30	MA55266-CCB17	1		
03:35	MP43806-S4	1		
03:40	JD78872-10F	1		(sample used for QC only; not part of login JD78884)
03:45	MP43806-SD2	5		
03:50	ZZZZZZ	1		
03:55	ZZZZZZ	1		
04:00	ZZZZZZ	1		
04:05	ZZZZZZ	1		
04:10	ZZZZZZ	1		
04:15	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
04:20	MA55266-CCV17	1		
04:25	MA55266-CCB18	1		
04:30	ZZZZZZ	1		
04:35	ZZZZZZ	1		
04:40	ZZZZZZ	1		
04:45	ZZZZZZ	1		
04:50	MP43778-S2	2		
04:55	MP43814-MB1	1		
05:00	MP43814-LB1	1		
05:05	MP43814-B1	1		
05:10	MP43814-LS1	1		
05:15	MP43814-S1	1		
05:21	MA55266-CCV18	1		
05:26	MA55266-CCB19	1		
05:32	MP43814-S2	1		
05:37	JD78924-1	1		(sample used for QC only; not part of login JD78884)
05:42	MP43814-SD1	5		
05:47	ZZZZZZ	1		
05:52	ZZZZZZ	1		
05:57	MP43775-S2	1		
06:02	ZZZZZZ	1		
06:07	ZZZZZZ	1		
06:12	ZZZZZZ	1		
06:17	MA55266-CCV19	1		
06:22	MA55266-CCB20	1		
06:27	ZZZZZZ	1		
06:32	JD78884-2	1		
06:37	JD78884-9	1		
06:42	JD78884-10	1		
06:47	JD78884-11	1		
06:52	JD78884-12	1		
06:57	MA55266-CCV20	1		
07:02	MA55266-CCB21	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:07	ZZZZZZ	1		
07:12	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:23	ZZZZZZ	1		
07:28	ZZZZZZ	1		
07:33	ZZZZZZ	1		
07:38	ZZZZZZ	1		
07:43	ZZZZZZ	1		
07:48	ZZZZZZ	1		
07:54	MA55266-CCV21	1		
07:59	MA55266-CCB22	1		
08:04	JD78884-10	2		
---------->	Last reportable sample/prep for job JD78884			
08:09	ZZZZZZ	2		
08:14	ZZZZZZ	5		
08:19	ZZZZZZ	2		
08:24	ZZZZZZ	2		
08:29	ZZZZZZ	2		
08:34	ZZZZZZ	2		
08:39	MP43819-B1	1		
08:44	MP43819-MB1	1		
08:49	MA55266-CCV22	1		
08:54	MA55266-CCB23	1		
---------->	Last reportable CCB for job JD78884			
08:59	ZZZZZZ	1		
09:04	ZZZZZZ	1		
09:09	ZZZZZZ	1		
09:14	ZZZZZZ	1		
09:20	ZZZZZZ	1		
09:25	ZZZZZZ	1		
09:30	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:40	MP43816-B1	1		
09:45	MA55266-CCV23	1		
09:50	MA55266-CCB24	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:55	MP43816-MB1	1		
10:00	MP43816-LB1	1		
10:05	MP43816-LS1	1		
10:10	MP43816-S1	1		
10:15	MP43816-S2	1		
10:20	JD78595-1A	1		(sample used for QC only; not part of login JD78884)
10:25	MP43816-SD1	5		
10:30	ZZZZZZ	1		
10:35	ZZZZZZ	1		
10:40	MA55266-CCV24	1		
10:45	MA55266-CCB25	1		
10:50	ZZZZZZ	1		
10:55	ZZZZZZ	5		
11:00	ZZZZZZ	10		
11:05	ZZZZZZ	20		
11:10	ZZZZZZ	5		
11:15	ZZZZZZ	5		
11:20	ZZZZZZ	5		
11:25	MA55266-CCV25	1		
11:30	MA55266-CCB26	1		
11:35	ZZZZZZ	1		
11:40	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution	Element: Ba	Cd	Cr	Cu	Fe	Pb	Mn	Se	Ag	Na	Tl	V	
11:46	MA55266-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	
11:52	MA55266-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
11:59	MA55266-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:09	MA55266-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:14	MA55266-CRI1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:19	MA55266-CRID1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:25	MA55266-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:29	MA55266-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
12:34	MA55266-HSTD1	1	X	X	X	X		X	X	X	X		X	X	
12:40	MA55266-HSTD2	1					X					X			
12:45	ZZZZZZ	1													
12:50	ZZZZZZ	1													
12:56	ZZZZZZ	1													
13:01	MA55266-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	
13:06	MA55266-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	
13:11	MP43778-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
13:16	MP43778-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	
13:21	MP43778-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	
13:25	MP43778-S2	1	X	X	X	X		X	X	X	X	X	X	X	
13:30	JD78896-41	1	X	X	X	X	X	X	X	X	X	X	X	X	(a)
13:35	MP43778-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	
13:40	MP43778-PS1	1						X	X						
13:45	ZZZZZZ	1													
13:50	ZZZZZZ	1													
13:55	MA55266-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	
14:00	MA55266-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	
14:06	ZZZZZZ	1													
14:11	ZZZZZZ	1													
14:16	ZZZZZZ	1													
14:21	ZZZZZZ	1													
14:26	ZZZZZZ	1													
14:31	ZZZZZZ	1													
14:36	ZZZZZZ	1													
		Element:	Ba	Cd	Cr	Cu	Fe	Pb	Mn	Se	Ag	Na	Tl	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
14:41	ZZZZZZ	1													
14:46	ZZZZZZ	1													
14:51	MA55266-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	
14:56	MA55266-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	
15:01	ZZZZZZ	1													
15:06	ZZZZZZ	1													
15:10	ZZZZZZ	1													
15:15	ZZZZZZ	1													
15:20	ZZZZZZ	1													
15:25	ZZZZZZ	1													
15:30	ZZZZZZ	1													
15:35	MP43802-MB1	1			X	X			X		X			X	
15:40	MP43802-B1	1			X	X			X		X			X	
15:45	MA55266-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	
15:50	MA55266-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	
15:55	MP43802-S1	1			X	X			X		X			X	
16:00	MP43802-S2	1			X	X			X		X			X	
16:05	JD78829-2	1			X	X			X		X			X	(a)
16:10	MP43802-SD1	5			X	X			X		X			X	
16:15	ZZZZZZ	1													
16:20	ZZZZZZ	1													
16:25	ZZZZZZ	1													
16:30	ZZZZZZ	1													
16:35	ZZZZZZ	1													
16:40	MA55266-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	
16:45	MA55266-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	
16:50	ZZZZZZ	1													
16:55	ZZZZZZ	1													
17:00	ZZZZZZ	1													
17:05	ZZZZZZ	1													
17:11	ZZZZZZ	1													
17:16	ZZZZZZ	1													
17:21	ZZZZZZ	1													
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
17:26	ZZZZZZ	1													
17:31	ZZZZZZ	1													
17:36	MA55266-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	
17:41	MA55266-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	
17:46	MP43785-S1	10			X					X	X				
17:51	MP43785-S2	10			X					X	X				
17:56	JD77980-1AR	10			X					X	X				(a)
18:01	MP43785-SD1	50			X					X	X				
18:06	ZZZZZZ	10													
18:11	ZZZZZZ	10													
18:16	ZZZZZZ	10													
18:21	ZZZZZZ	10													
18:26	ZZZZZZ	10													
18:31	ZZZZZZ	10													
18:37	MA55266-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	
18:42	MA55266-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	
18:47	ZZZZZZ	10													
18:52	MP43777-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
18:57	MP43777-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	
19:02	MP43777-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	
19:07	MP43777-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	
19:12	JD78781-1	1	X	X	X	X	X	X	X	X	X	X	X	X	(a)
19:17	MP43777-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	
19:22	MP43777-PS1	1													
19:27	ZZZZZZ	1													
19:32	ZZZZZZ	1													
19:37	MA55266-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	
19:42	MA55266-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	
19:47	ZZZZZZ	1													
19:52	ZZZZZZ	1													
19:57	ZZZZZZ	1													
20:02	ZZZZZZ	1													
20:07	ZZZZZZ	1													
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
20:12	ZZZZZZ	1													
20:17	ZZZZZZ	1													
20:22	ZZZZZZ	1													
20:27	ZZZZZZ	1													
20:32	ZZZZZZ	1													
20:37	MA55266-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	
20:42	MA55266-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	
20:47	ZZZZZZ	1													
20:52	ZZZZZZ	1													
20:58	ZZZZZZ	1													
21:02	ZZZZZZ	1													
21:07	ZZZZZZ	1													
21:12	ZZZZZZ	1													
21:17	ZZZZZZ	1													
21:22	MP43787-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:27	MP43787-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:32	MA55266-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:37	MA55266-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:42	MP43787-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:47	MP43787-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	
21:52	JD78896-97	1	X	X	X	X	X	X	X	X	X	X	X	X	(a)
21:57	MP43787-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	
22:02	MP43787-PS1	1													
22:07	ZZZZZZ	1													
22:13	ZZZZZZ	1													
22:18	ZZZZZZ	1													
22:23	ZZZZZZ	1													
22:28	ZZZZZZ	1													
22:33	MA55266-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	
22:38	MA55266-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	
22:43	ZZZZZZ	1													
22:48	ZZZZZZ	1													
22:53	ZZZZZZ	1													
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
22:58	ZZZZZZ	1													
23:03	ZZZZZZ	1													
23:08	ZZZZZZ	1													
23:13	MP43762-B1	1						X							
23:18	MP43762-MB1	1						X							
23:23	MP43762-B2	1			X		X	X	X						
23:28	MA55266-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	
23:33	MA55266-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	
23:38	MP43762-S1	1						X							
23:43	MP43762-S2	1						X							
23:48	JD78452-1F	1						X							(a)
23:53	MP43762-SD1	5						X							
23:58	ZZZZZZ	1													
00:03	ZZZZZZ	1													
00:08	ZZZZZZ	1													
00:13	ZZZZZZ	1													
00:18	ZZZZZZ	1													
00:23	MA55266-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	
00:28	MA55266-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	
00:33	ZZZZZZ	1													
00:38	ZZZZZZ	1													
00:44	ZZZZZZ	1													
00:49	ZZZZZZ	1													
00:54	ZZZZZZ	1													
00:59	ZZZZZZ	1													
01:04	ZZZZZZ	1													
01:09	ZZZZZZ	1													
01:14	ZZZZZZ	1													
01:19	ZZZZZZ	1													
01:24	MA55266-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	
01:29	MA55266-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	
01:35	ZZZZZZ	1													
01:40	ZZZZZZ	1													
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
01:45	ZZZZZZ	1													
01:50	ZZZZZZ	1													
01:55	MP43813-MB1	1													
02:00	MP43813-LB1	1													
02:05	MP43813-B1	1													
02:10	MP43813-LS1	1													
02:15	MP43813-S1	1													
02:20	MP43813-S2	1													
02:25	MA55266-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	
02:30	MA55266-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	
02:35	JD77943-1R	1													(a)
02:40	MP43813-SD1	5													
02:45	ZZZZZZ	1													
02:50	MP43806-MB1	1					X	X	X						
02:55	MP43806-B1	1					X	X	X						
03:00	MP43806-S1	1					X	X	X						
03:05	MP43806-S2	1					X	X	X						
03:10	JD78872-10	1					X		X						(a)
03:15	MP43806-SD1	5					X	X	X						
03:20	MP43806-S3	1					X	X	X						
03:25	MA55266-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	
03:30	MA55266-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	
03:35	MP43806-S4	1					X	X	X						
03:40	JD78872-10F	1					X								(a)
03:45	MP43806-SD2	5					X	X	X						
03:50	ZZZZZZ	1													
03:55	ZZZZZZ	1													
04:00	ZZZZZZ	1													
04:05	ZZZZZZ	1													
04:10	ZZZZZZ	1													
04:15	ZZZZZZ	1													
04:20	MA55266-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	
04:25	MA55266-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
04:30	ZZZZZZ	1													
04:35	ZZZZZZ	1													
04:40	ZZZZZZ	1													
04:45	ZZZZZZ	1													
04:50	MP43778-S2	2					X								
04:55	MP43814-MB1	1	X	X	X			X		X	X				
05:00	MP43814-LB1	1													
05:05	MP43814-B1	1	X	X	X			X		X	X				
05:10	MP43814-LS1	1	X	X	X			X		X	X				
05:15	MP43814-S1	1	X	X	X			X		X	X				
05:21	MA55266-CCV18	1	X	X	X	X	X	X	X	X	X	X	X	X	
05:26	MA55266-CCB19	1	X	X	X	X	X	X	X	X	X	X	X	X	
05:32	MP43814-S2	1	X	X	X			X		X	X				
05:37	JD78924-1	1	X	X	X			X		X	X				(a)
05:42	MP43814-SD1	5	X	X	X			X		X	X				
05:47	ZZZZZZ	1													
05:52	ZZZZZZ	1													
05:57	MP43775-S2	1			X	X			X		X			X	
06:02	ZZZZZZ	1													
06:07	ZZZZZZ	1													
06:12	ZZZZZZ	1													
06:17	MA55266-CCV19	1	X	X	X	X	X	X	X	X	X	X	X	X	
06:22	MA55266-CCB20	1	X	X	X	X	X	X	X	X	X	X	X	X	
06:27	ZZZZZZ	1													
06:32	JD78884-2	1			X	X			X		X			X	
06:37	JD78884-9	1			X	X			X		X			X	
06:42	JD78884-10	1	X	X	X			X	X			X	X	X	
06:47	JD78884-11	1	X		X	X	X		X		X	X		X	
06:52	JD78884-12	1	X		X	X	X		X		X	X		X	
06:57	MA55266-CCV20	1	X	X	X	X	X	X	X	X	X	X	X	X	
07:02	MA55266-CCB21	1	X	X	X	X	X	X	X	X	X	X	X	X	
07:07	ZZZZZZ	1													
07:12	ZZZZZZ	1													
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Element: Dilution	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V
07:17	ZZZZZZ	1												
07:23	ZZZZZZ	1												
07:28	ZZZZZZ	1												
07:33	ZZZZZZ	1												
07:38	ZZZZZZ	1												
07:43	ZZZZZZ	1												
07:48	ZZZZZZ	1												
07:54	MA55266-CCV21	1	X	X	X	X	X	X	X	X	X	X	X	X
07:59	MA55266-CCB22	1	X	X	X	X	X	X	X	X	X	X	X	X
08:04	JD78884-10	2			X	X			X	X				
08:09	ZZZZZZ	2												
08:14	ZZZZZZ	5												
08:19	ZZZZZZ	2												
08:24	ZZZZZZ	2												
08:29	ZZZZZZ	2												
08:34	ZZZZZZ	2												
08:39	MP43819-B1	1	X		X	X	X		X		X	X		X
08:44	MP43819-MB1	1	X		X	X	X		X		X	X		X
08:49	MA55266-CCV22	1	X	X	X	X	X	X	X	X	X	X	X	X
08:54	MA55266-CCB23	1	X	X	X	X	X	X	X	X	X	X	X	X
08:59	ZZZZZZ	1												
09:04	ZZZZZZ	1												
09:09	ZZZZZZ	1												
09:14	ZZZZZZ	1												
09:20	ZZZZZZ	1												
09:25	ZZZZZZ	1												
09:30	ZZZZZZ	1												
09:35	ZZZZZZ	1												
09:40	MP43816-B1	1				X								
09:45	MA55266-CCV23	1	X	X	X	X	X	X	X	X	X	X	X	X
09:50	MA55266-CCB24	1	X	X	X	X	X	X	X	X	X	X	X	X
09:55	MP43816-MB1	1				X								
10:00	MP43816-LB1	1												
		Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Dilution	Element: B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V	
10:05	MP43816-LS1	1				X									
10:10	MP43816-S1	1				X									
10:15	MP43816-S2	1				X									
10:20	JD78595-1A	1				X									(a)
10:25	MP43816-SD1	5				X									
10:30	ZZZZZZ	1													
10:35	ZZZZZZ	1													
10:40	MA55266-CCV24	1	X	X	X	X	X	X	X	X	X	X	X	X	
10:45	MA55266-CCB25	1	X	X	X	X	X	X	X	X	X	X	X	X	
10:50	ZZZZZZ	1													
10:55	ZZZZZZ	5													
11:00	ZZZZZZ	10													
11:05	ZZZZZZ	20													
11:10	ZZZZZZ	5													
11:15	ZZZZZZ	5													
11:20	ZZZZZZ	5													
11:25	MA55266-CCV25	1	X	X	X	X	X	X	X	X	X	X	X	X	
11:30	MA55266-CCB26	1	X	X	X	X	X	X	X	X	X	X	X	X	
11:35	ZZZZZZ	1													
11:40	ZZZZZZ	1													

(a) Sample used for QC only; not part of login JD78884.

Element:	B a	C d	C r	C u	F e	P b	M n	S e	A g	N a	T l	V

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:36	MA55266-STD1	9395 R	142430 R	11103 R	15282 R
11:41	MA55266-STD2	8897	132330	11035	13491
11:46	MA55266-ICV1	9107	137030	11068	13932
11:52	MA55266-ICB1	9421	145350	11178	15283
11:59	MA55266-ICCV1	9195	138890	11236	14027
12:09	MA55266-CCB1	9438	145480	11317	15308
12:14	MA55266-CRI1	9369	145020	11424	15009
12:19	MA55266-CRID1	9394	144910	11342	15172
12:25	MA55266-ICSA1	8483	127760	11190	12514
12:29	MA55266-ICSAB1	8403	126410	11125	12419
12:34	MA55266-HSTD1	9242	140310	11402	14820
12:40	MA55266-HSTD2	8512	129460	11098	12461
12:45	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:50	ZZZZZZ	No results reported for the elements associated with this internal standard.			
12:56	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:01	MA55266-CCV1	9155	138430	11213	13910
13:06	MA55266-CCB2	9291	144680	11304	15082
13:11	MP43778-MB1	9347	145560	11398	15135
13:16	MP43778-B1	9148	140150	11311	14139
13:21	MP43778-S1	9547	142980	12155	13808
13:25	MP43778-S2	9529	141560	12201	13750
13:30	JD78896-41	9782	145650	12311	14237
13:35	MP43778-SD1	9493	143450	11488	14760
13:40	MP43778-PS1	9528	142500	12140	13829
13:45	ZZZZZZ	9585	146100	11847	14617
13:50	ZZZZZZ	9585	143650	11867	14425
13:55	MA55266-CCV2	9056	138510	11193	13807
14:00	MA55266-CCB3	9309	144920	11180	15090
14:06	ZZZZZZ	9521	144240	11659	14661
14:11	ZZZZZZ	9664	146580	12024	14400
14:16	ZZZZZZ	9712	145410	12054	14402
14:21	ZZZZZZ	9548	144720	11624	14807
14:26	ZZZZZZ	9551	146320	11778	14810

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
14:31	ZZZZZZ	9707	146320	12022	14530
14:36	ZZZZZZ	9588	144770	11767	14719
14:41	ZZZZZZ	9491	142950	11636	14824
14:46	ZZZZZZ	9491	144370	11588	14829
14:51	MA55266-CCV3	9056	136880	11191	13845
14:56	MA55266-CCB4	9333	143390	11260	15177
15:01	ZZZZZZ	9543	145280	11596	14963
15:06	ZZZZZZ	9493	145080	11540	14895
15:10	ZZZZZZ	9543	143880	11453	14996
15:15	ZZZZZZ	9580	144980	11615	15009
15:20	ZZZZZZ	9593	143940	11712	14993
15:25	ZZZZZZ	9746	144900	12120	14561
15:30	ZZZZZZ	9491	143120	11593	14916
15:35	MP43802-MB1	9335	142450	11250	15227
15:40	MP43802-B1	9181	137860	11297	14260
15:45	MA55266-CCV4	9094	136960	11203	13940
15:50	MA55266-CCB5	9341	143230	11231	15270
15:55	MP43802-S1	8887	134180	11172	13508
16:00	MP43802-S2	8950	134720	11215	13592
16:05	JD78829-2	8950	135700	11184	13948
16:10	MP43802-SD1	9254	141350	11209	14873
16:15	ZZZZZZ	8766	132460	11045	13407
16:20	ZZZZZZ	8731	132870	11085	13364
16:25	ZZZZZZ	9110	138990	11214	14329
16:30	ZZZZZZ	8954	135700	11190	13884
16:35	ZZZZZZ	9179	138970	11398	14181
16:40	MA55266-CCV5	9090	134300	11097	13969
16:45	MA55266-CCB6	9310	141090	11181	15256
16:50	ZZZZZZ	8861	134650	11105	13755
16:55	ZZZZZZ	8764	132670	11090	13349
17:00	ZZZZZZ	7746	114890	10536	11349
17:05	ZZZZZZ	7720	114880	10569	11329
17:11	ZZZZZZ	9713	144950	12258	13266

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:16	ZZZZZZ	9547	143890	11687	14313
17:21	ZZZZZZ	8793	133040	11098	13555
17:26	ZZZZZZ	9083	136800	11254	14441
17:31	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:36	MA55266-CCV6	9017	133450	11118	13930
17:41	MA55266-CCB7	9337	140370	11207	15328
17:46	MP43785-S1	8775	132410	10983	13606
17:51	MP43785-S2	8767	131470	11055	13602
17:56	JD77980-1AR	8745	130750	11072	13602
18:01	MP43785-SD1	9111	134680	11175	14674
18:06	ZZZZZZ	8718	130440	11021	13504
18:11	ZZZZZZ	8743	128490	10931	13567
18:16	ZZZZZZ	8712	131090	10980	13466
18:21	ZZZZZZ	8762	130970	10960	13517
18:26	ZZZZZZ	8766	131250	11030	13580
18:31	ZZZZZZ	8758	129980	10955	13612
18:37	MA55266-CCV7	9049	132240	11053	14007
18:42	MA55266-CCB8	9310	139750	11122	15336
18:47	ZZZZZZ	8774	133650	11032	13588
18:52	MP43777-MB1	9499	140620	11421	15694
18:57	MP43777-B1	9161	134890	11151	14416
19:02	MP43777-S1	9195	132460	11383	14168
19:07	MP43777-S2	9198	131970	11413	14188
19:12	JD78781-1	9543	142070	11609	15173
19:17	MP43777-SD1	9493	140360	11356	15444
19:22	MP43777-PS1	9234	134930	11496	14404
19:27	ZZZZZZ	9461	139140	11599	14907
19:32	ZZZZZZ	9423	137580	11852	14284
19:37	MA55266-CCV8	9057	131910	11130	14091
19:42	MA55266-CCB9	9324	139010	11183	15449
19:47	ZZZZZZ	9593	138800	11635	15287
19:52	ZZZZZZ	9393	137080	11474	14788
19:57	ZZZZZZ	9633	140870	11607	15258

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:02	ZZZZZZ	9565	139580	11548	14998
20:07	ZZZZZZ	9625	138710	11629	15275
20:12	ZZZZZZ	9659	140730	11778	14677
20:17	ZZZZZZ	9788	141690	12105	14682
20:22	ZZZZZZ	9075	130650	11502	13730
20:27	ZZZZZZ	10651	160520	13269	14395
20:32	ZZZZZZ	9828	143590	12197	14912
20:37	MA55266-CCV9	9044	131320	11111	14109
20:42	MA55266-CCB10	9326	138650	11158	15494
20:47	ZZZZZZ	14728 !a	211750 !a	19338 !a	13336
20:52	ZZZZZZ	9891	143220	12243	14849
20:58	ZZZZZZ	9780	141470	12119	14926
21:02	ZZZZZZ	9715	142820	12046	15529
21:07	ZZZZZZ	9709	143090	11958	15460
21:12	ZZZZZZ	9731	147510	11920	15633
21:17	ZZZZZZ	9716	142150	12116	15156
21:22	MP43787-B1	9336	136550	11505	14833
21:27	MP43787-MB1	9587	142590	11621	15956
21:32	MA55266-CCV10	9095	129490	11342	14262
21:37	MA55266-CCB11	9437	140430	11387	15729
21:42	MP43787-S1	9345	134540	11647	14686
21:47	MP43787-S2	9302	133420	11721	14622
21:52	JD78896-97	9738	141020	11766	15645
21:57	MP43787-SD1	9554	141620	11508	15677
22:02	MP43787-PS1	9452	137440	11736	14865
22:07	ZZZZZZ	9259	131810	12199	13531
22:13	ZZZZZZ	9283	134110	11808	14043
22:18	ZZZZZZ	9591	138540	11738	15443
22:23	ZZZZZZ	9704	141100	11857	15554
22:28	ZZZZZZ	9653	140380	11799	15444
22:33	MA55266-CCV11	9155	136900	11307	14373
22:38	MA55266-CCB12	9406	138900	11335	15737
22:43	ZZZZZZ	9664	138470	11817	15622

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
22:48	ZZZZZZ	9755	137950	11904	15453
22:53	ZZZZZZ	9682	141640	11799	15572
22:58	ZZZZZZ	9630	140240	11675	15540
23:03	ZZZZZZ	9616	138710	11924	15164
23:08	ZZZZZZ	9693	137440	11974	15023
23:13	MP43762-B1	9118	132160	11262	14563
23:18	MP43762-MB1	9306	135860	11312	15588
23:23	MP43762-B2	9085	132150	11118	14483
23:28	MA55266-CCV12	9067	129950	11179	14265
23:33	MA55266-CCB13	9288	137690	11302	15564
23:38	MP43762-S1	9209	132710	11389	14387
23:43	MP43762-S2	9208	133240	11428	14396
23:48	JD78452-1F	9391	141890	11413	15277
23:53	MP43762-SD1	9307	139030	11317	15489
23:58	ZZZZZZ	8129	116480	10775	12241
00:03	ZZZZZZ	8157	115610	10706	12278
00:08	ZZZZZZ	7852	112020	10604	11710
00:13	ZZZZZZ	9273	137050	11304	15248
00:18	ZZZZZZ	9296	136980	11260	15337
00:23	MA55266-CCV13	9046	129930	11161	14229
00:28	MA55266-CCB14	9345	139230	11299	15633
00:33	ZZZZZZ	9137	134170	11211	14798
00:38	ZZZZZZ	9247	135760	11278	15297
00:44	ZZZZZZ	8966	131710	11069	14376
00:49	ZZZZZZ	8820	126430	11097	13515
00:54	ZZZZZZ	8938	128540	11125	14096
00:59	ZZZZZZ	8979	130740	11155	14152
01:04	ZZZZZZ	9253	138130	11209	15471
01:09	ZZZZZZ	9251	136980	11099	15453
01:14	ZZZZZZ	8945	129190	11034	14309
01:19	ZZZZZZ	8811	127060	11256	13538
01:24	MA55266-CCV14	9100	130800	11037	14294
01:29	MA55266-CCB15	9346	138910	11243	15637

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
01:35	ZZZZZZ	8962	129410	11135	14150
01:40	ZZZZZZ	8972	130110	11037	14154
01:45	ZZZZZZ	9303	137460	11199	15542
01:50	ZZZZZZ	9283	136700	11209	15498
01:55	MP43813-MB1	9322	136740	11202	15582
02:00	MP43813-LB1	9325	137210	11293	15591
02:05	MP43813-B1	9134	136980	11156	14538
02:10	MP43813-LS1	9130	132950	11152	14522
02:15	MP43813-S1	9163	131750	11199	14542
02:20	MP43813-S2	9133	132410	11228	14493
02:25	MA55266-CCV15	9099	131380	11101	14282
02:30	MA55266-CCB16	9381	138620	11260	15696
02:35	JD77943-1R	9273	137090	11175	15307
02:40	MP43813-SD1	9344	137930	11188	15595
02:45	ZZZZZZ	9299	138000	11203	15384
02:50	MP43806-MB1	9269	137100	11209	15466
02:55	MP43806-B1	9097	131910	11192	14448
03:00	MP43806-S1	8893	128620	11135	13868
03:05	MP43806-S2	8928	130220	11092	13936
03:10	JD78872-10	9019	130810	11062	14497
03:15	MP43806-SD1	9273	135030	11139	15293
03:20	MP43806-S3	8914	130100	11119	13904
03:25	MA55266-CCV16	9113	129770	11099	14306
03:30	MA55266-CCB17	9394	138190	11213	15710
03:35	MP43806-S4	8914	129170	11069	13919
03:40	JD78872-10F	8952	131390	11044	14390
03:45	MP43806-SD2	9276	135880	11164	15319
03:50	ZZZZZZ	8964	130780	10975	14419
03:55	ZZZZZZ	8352	121110	10869	12671
04:00	ZZZZZZ	8525	124150	10856	12978
04:05	ZZZZZZ	9037	130700	11104	14445
04:10	ZZZZZZ	8977	131320	11042	14458
04:15	ZZZZZZ	8348	120660	10788	12657

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
04:20	MA55266-CCV17	9087	130510	11013	14257
04:25	MA55266-CCB18	9347	139350	11175	15623
04:30	ZZZZZZ	8370	120630	10852	12701
04:35	ZZZZZZ	9025	131740	11079	14435
04:40	ZZZZZZ	9735	141010	11974	15059
04:45	ZZZZZZ	9737	137400	11783	15325
04:50	MP43778-S2	9464	134610	11670	14523
04:55	MP43814-MB1	9263	135730	11086	15429
05:00	MP43814-LB1	8400	118760	10895	12653
05:05	MP43814-B1	9112	129560	11070	14448
05:10	MP43814-LS1	8341	118650	10743	12242
05:15	MP43814-S1	8437	119330	10956	12329
05:21	MA55266-CCV18	9161	130000	11106	14390
05:26	MA55266-CCB19	9355	138430	11193	15663
05:32	MP43814-S2	8407	118770	10917	12287
05:37	JD78924-1	8326	117310	10856	12398
05:42	MP43814-SD1	8922	127310	10981	13880
05:47	ZZZZZZ	8310	117330	10922	12329
05:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
05:57	MP43775-S2	9382	134040	11506	14503
06:02	ZZZZZZ	9667	141220	11590	15300
06:07	ZZZZZZ	9667	137490	11761	15030
06:12	ZZZZZZ	9566	138790	11648	15131
06:17	MA55266-CCV19	9056	128110	10914	14258
06:22	MA55266-CCB20	9318	135870	11076	15606
06:27	ZZZZZZ	8511	122980	11063	12633
06:32	JD78884-2	9591	137810	11411	15224
06:37	JD78884-9	9105	127270	11432	14097
06:42	JD78884-10	9332	134930	11714	14716
06:47	JD78884-11	9558	135190	11774	14791
06:52	JD78884-12	9475	132400	11566	14826
06:57	MA55266-CCV20	9050	128870	10940	14275
07:02	MA55266-CCB21	9298	135320	11058	15622

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:07	ZZZZZZ	8327	116390	10823	12415
07:12	ZZZZZZ	7975	113200	10547	11761
07:17	ZZZZZZ	7923	113160	10592	11729
07:23	ZZZZZZ	8343	116130	10742	12460
07:28	ZZZZZZ	8395	117740	10788	12617
07:33	ZZZZZZ	8401	117760	10937	12573
07:38	ZZZZZZ	8260	115750	10868	12331
07:43	ZZZZZZ	8325	116440	10809	12473
07:48	ZZZZZZ	8255	115460	10712	12348
07:54	MA55266-CCV21	9109	132280	11065	14404
07:59	MA55266-CCB22	9354	134820	10993	15762
08:04	JD78884-10	9437	135830	11416	15146
08:09	ZZZZZZ	9547	135920	11501	15071
08:14	ZZZZZZ	9321	134040	11237	14993
08:19	ZZZZZZ	12057	172600	15145 !a	14037
08:24	ZZZZZZ	9591	136820	11432	15149
08:29	ZZZZZZ	9488	133890	11368	15532
08:34	ZZZZZZ	9295	132220	11317	14882
08:39	MP43819-B1	9163	128990	10997	14709
08:44	MP43819-MB1	9343	134270	10999	15799
08:49	MA55266-CCV22	9070	126380	10905	14419
08:54	MA55266-CCB23	9336	132340	10912	15812
08:59	ZZZZZZ	8852	124270	10800	14008
09:04	ZZZZZZ	8993	123780	10839	14334
09:09	ZZZZZZ	9007	125810	10898	14328
09:14	ZZZZZZ	8471	118020	10800	13240
09:20	ZZZZZZ	8825	999999 !a	10752	14010
09:25	ZZZZZZ	8977	125450	10844	14332
09:30	ZZZZZZ	8969	125240	10879	14312
09:35	ZZZZZZ	8478	118940	10700	13258
09:40	MP43816-B1	9069	125760	10905	14645
09:45	MA55266-CCV23	9014	123310	10788	14425
09:50	MA55266-CCB24	9342	132630	10829	15861

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55266
Parameters: Ba,Cd,Cr,Cu,Fe,Pb,Mn,Se,Ag,Na,Tl,V

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:55	MP43816-MB1	9253	131650	10785	15688
10:00	MP43816-LB1	9244	131220	10792	15677
10:05	MP43816-LS1	9088	125180	10782	14653
10:10	MP43816-S1	9076	126520	10664	14552
10:15	MP43816-S2	9055	127000	10897	14511
10:20	JD78595-1A	9289	131450	10765	15344
10:25	MP43816-SD1	9297	131950	10794	15666
10:30	ZZZZZZ	9264	131040	10737	15303
10:35	ZZZZZZ	9293	132500	10920	15192
10:40	MA55266-CCV24	9052	125120	10782	14411
10:45	MA55266-CCB25	9307	133680	10849	15767
10:50	ZZZZZZ	9211	130380	10700	15254
10:55	ZZZZZZ	8982	124540	10644	14519
11:00	ZZZZZZ	9023	126500	10648	14795
11:05	ZZZZZZ	9084	132030	10648	15091
11:10	ZZZZZZ	8832	122880	10526	14003
11:15	ZZZZZZ	9313	130890	10770	15370
11:20	ZZZZZZ	9131	126270	10704	14582
11:25	MA55266-CCV25	8975	123710	10622	14319
11:30	MA55266-CCB26	9184	127190	10581	15627
11:35	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:40	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time: / Sample ID:			11:52 ICB1		12:09 CCB1		13:06 CCB2		14:00 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	-0.100	<200	0.00	<200	0.100	<200	0.200	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.00	<3.0	0.00	<3.0	0.200	<3.0	0.00	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.00	<10	0.00	<10	-0.300	<10	0.200	<10
Cobalt	50	.4	anr							
Copper	10	.8	0.200	<10	-0.100	<10	0.00	<10	0.100	<10
Iron	100	5.3	5.70	<100	2.50	<100	3.40	<100	5.40	<100
Lead	3.0	1.1	0.400	<3.0	0.400	<3.0	-0.400	<3.0	0.00	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-1.00	<10	-1.20	<10	-0.800	<10	-1.80	<10
Silicon	200	1.7								
Silver	10	1	-0.100	<10	0.200	<10	0.100	<10	0.100	<10
Sodium	10000	34	8.30	<10000	-24.6	<10000	-13.9	<10000	-24.6	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.30	<10	0.800	<10	1.50	<10	1.40	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.200	<50	0.200	<50	0.100	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			11:52		12:09		13:06		14:00	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			14:56		15:50		16:45		17:41	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.00	<200	-0.100	<200	0.00	<200	0.00	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.100	<3.0	0.00	<3.0	0.00	<3.0	0.100	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.200	<10	0.100	<10	0.00	<10	0.200	<10
Cobalt	50	.4	anr							
Copper	10	.8	0.400	<10	0.400	<10	0.500	<10	0.600	<10
Iron	100	5.3	2.30	<100	4.20	<100	7.90	<100	4.10	<100
Lead	3.0	1.1	0.500	<3.0	0.00	<3.0	-0.200	<3.0	-0.600	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.100	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-0.900	<10	-1.10	<10	-1.00	<10	-0.500	<10
Silicon	200	1.7								
Silver	10	1	0.200	<10	0.200	<10	0.600	<10	0.300	<10
Sodium	10000	34	-20.8	<10000	-24.3	<10000	-18.5	<10000	0.00	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.20	<10	1.90	<10	1.00	<10	1.10	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.200	<50	0.00	<50	0.200	<50	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time: / Sample ID:			14:56 CCB4		15:50 CCB5		16:45 CCB6		17:41 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time: / Sample ID:			18:42 CCB8		19:42 CCB9		20:42 CCB10		21:37 CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.00	<200	-0.200	<200	0.100	<200	-0.300	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.100	<3.0	0.100	<3.0	0.00	<3.0	0.100	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.100	<10	-0.300	<10	0.00	<10	-0.100	<10
Cobalt	50	.4	anr							
Copper	10	.8	0.800	<10	0.900	<10	1.20	<10	1.30	<10
Iron	100	5.3	4.10	<100	6.20	<100	7.20	<100	3.90	<100
Lead	3.0	1.1	-0.600	<3.0	0.00	<3.0	-0.200	<3.0	-0.700	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.100	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-0.900	<10	-1.40	<10	-1.60	<10	-0.600	<10
Silicon	200	1.7								
Silver	10	1	0.300	<10	0.100	<10	0.300	<10	0.600	<10
Sodium	10000	34	-16.0	<10000	-15.6	<10000	-30.3	<10000	-27.0	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.70	<10	0.800	<10	1.10	<10	0.400	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.100	<50	0.300	<50	0.400	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			18:42		19:42		20:42		21:37	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time: / Sample ID:			22:38 CCB12		23:33 CCB13		00:28 CCB14		01:29 CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.00	<200	0.100	<200	0.00	<200	0.100	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.200	<3.0	0.100	<3.0	0.200	<3.0	0.200	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.200	<10	0.200	<10	0.200	<10	0.200	<10
Cobalt	50	.4	anr							
Copper	10	.8	1.10	<10	1.50	<10	1.10	<10	1.50	<10
Iron	100	5.3	7.50	<100	4.10	<100	4.40	<100	2.00	<100
Lead	3.0	1.1	-0.200	<3.0	0.00	<3.0	0.00	<3.0	-0.300	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.100	<15	0.100	<15	0.100	<15	0.100	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-0.400	<10	-0.900	<10	-0.900	<10	-1.60	<10
Silicon	200	1.7								
Silver	10	1	0.500	<10	0.600	<10	0.600	<10	0.600	<10
Sodium	10000	34	-30.4	<10000	-30.1	<10000	43.3	<10000	3.00	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.00	<10	0.800	<10	1.70	<10	0.700	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.300	<50	0.300	<50	0.400	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			22:38		23:33		00:28		01:29	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			02:30		03:30		04:25		05:26	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	-0.100	<200	0.100	<200	-0.100	<200	0.00	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.100	<4.0	0.100	<3.0	0.100	<3.0	0.00	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.300	<10	0.100	<10	0.300	<10	0.00	<10
Cobalt	50	.4	anr							
Copper	10	.8	1.70	<10	1.60	<10	1.30	<10	1.70	<10
Iron	100	5.3	2.70	<100	5.30	<100	3.20	<100	1.70	<100
Lead	3.0	1.1	-0.800	<100	0.300	<3.0	0.00	<3.0	-0.200	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.100	<15	0.100	<15	0.200	<15	0.200	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-0.400	<100	-1.60	<10	-1.30	<10	-1.50	<10
Silicon	200	1.7								
Silver	10	1	0.600	<10	0.400	<10	0.700	<10	0.700	<10
Sodium	10000	34	-20.8	<10000	-27.8	<10000	43.0	<10000	139	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	1.00	<100	0.800	<10	0.600	<10	0.500	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.300	<50	0.400	<50	0.300	<50	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			02:30		03:30		04:25		05:26	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time: / Sample ID:			06:22 CCB20		07:02 CCB21		07:59 CCB22		08:54 CCB23	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	0.00	<200	0.00	<200	-0.100	<200	-0.200	<200
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3								
Cadmium	3.0	.3	0.200	<3.0	0.200	<3.0	0.100	<3.0	0.100	<3.0
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	0.100	<10	-0.200	<10	0.00	<10	0.100	<10
Cobalt	50	.4	anr							
Copper	10	.8	1.80	<10	1.80	<10	1.80	<10	2.20	<10
Iron	100	5.3	6.90	<100	2.70	<100	3.90	<100	6.90	<100
Lead	3.0	1.1	-0.400	<3.0	0.00	<3.0	-0.600	<3.0	-0.500	<3.0
Lithium	50	4.8								
Magnesium	5000	32	anr							
Manganese	15	.1	0.100	<15	0.100	<15	0.100	<15	0.100	<15
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	-0.400	<10	0.300	<10	0.200	<10	-1.00	<10
Silicon	200	1.7								
Silver	10	1	0.700	<10	0.500	<10	0.600	<10	0.800	<10
Sodium	10000	34	55.1	<10000	15.0	<10000	253	<10000	34.4	<10000
Strontium	10	.3								
Sulfur	50	3								
Thallium	10	1.8	0.900	<10	1.10	<10	0.700	<10	1.10	<10
Tin	10	.8								
Titanium	10	.5								
Tungsten	50	2.6	anr							
Vanadium	50	.6	0.200	<50	0.200	<50	0.500	<50	0.400	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55266 Units: ug/l

Time:			06:22		07:02		07:59		08:54	
Sample ID:			CCB20		CCB21		CCB22		CCB23	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55266 Units: ug/l

Time:		11:59	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	2000	1980	99.0
Beryllium	anr		
Bismuth			
Boron			
Cadmium	2000	1970	98.5
Calcium	anr		
Cerium			
Chromium	2000	1970	98.5
Cobalt	anr		
Copper	2000	1940	97.0
Iron	40000	39700	99.3
Lead	2000	1980	99.0
Lithium			
Magnesium	anr		
Manganese	2000	1970	98.5
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	2000	1980	99.0
Silicon			
Silver	250	244	97.6
Sodium	40000	39300	98.3
Strontium			
Sulfur			
Thallium	2000	2040	102.0
Tin			
Titanium			
Tungsten	anr		
Vanadium	2000	1960	98.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55266 Units: ug/l

Time:		11:59	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		11:46			13:01			13:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	1980	99.0	2000	2010	100.5	2000	2020	101.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	1950	97.5	2000	1990	99.5	2000	2010	100.5
Calcium	anr								
Cerium									
Chromium	2000	1950	97.5	2000	1970	98.5	2000	1970	98.5
Cobalt	anr								
Copper	2000	1970	98.5	2000	1960	98.0	2000	1970	98.5
Iron	40000	40200	100.5	40000	40000	100.0	40000	40200	100.5
Lead	2000	1970	98.5	2000	2000	100.0	2000	2010	100.5
Lithium									
Magnesium	anr								
Manganese	2000	1990	99.5	2000	2000	100.0	2000	2000	100.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2020	101.0	2000	2000	100.0	2000	2020	101.0
Silicon									
Silver	250	249	99.6	250	244	97.6	250	245	98.0
Sodium	40000	39300	98.3	40000	39500	98.8	40000	39600	99.0
Strontium									
Sulfur									
Thallium	2000	2030	101.5	2000	2060	103.0	2000	2080	104.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	1940	97.0	2000	1960	98.0	2000	1970	98.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		11:46			13:01			13:55	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		14:51			15:45			16:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2040	102.0	2000	2020	101.0	2000	2030	101.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2020	101.0	2000	2020	101.0	2000	2030	101.5
Calcium	anr								
Cerium									
Chromium	2000	1990	99.5	2000	2000	100.0	2000	2030	101.5
Cobalt	anr								
Copper	2000	1990	99.5	2000	1990	99.5	2000	2030	101.5
Iron	40000	40400	101.0	40000	40200	100.5	40000	40300	100.8
Lead	2000	2010	100.5	2000	1990	99.5	2000	1990	99.5
Lithium									
Magnesium	anr								
Manganese	2000	2030	101.5	2000	2020	101.0	2000	2040	102.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2020	101.0	2000	2010	100.5	2000	2020	101.0
Silicon									
Silver	250	247	98.8	250	247	98.8	250	251	100.4
Sodium	40000	39800	99.5	40000	39500	98.8	40000	39600	99.0
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2070	103.5	2000	2080	104.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	1990	99.5	2000	1990	99.5	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		14:51			15:45			16:40	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		17:36			18:37			19:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2030	101.5	2000	2040	102.0	2000	2040	102.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2040	102.0	2000	2060	103.0	2000	2070	103.5
Calcium	anr								
Cerium									
Chromium	2000	2040	102.0	2000	2080	104.0	2000	2080	104.0
Cobalt	anr								
Copper	2000	2040	102.0	2000	2080	104.0	2000	2080	104.0
Iron	40000	40400	101.0	40000	40700	101.8	40000	40600	101.5
Lead	2000	1990	99.5	2000	1990	99.5	2000	1980	99.0
Lithium									
Magnesium	anr								
Manganese	2000	2050	102.5	2000	2080	104.0	2000	2060	103.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2030	101.5	2000	2050	102.5	2000	2060	103.0
Silicon									
Silver	250	252	100.8	250	256	102.4	250	258	103.2
Sodium	40000	39500	98.8	40000	39700	99.3	40000	39600	99.0
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2080	104.0	2000	2090	104.5
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	2040	102.0	2000	2080	104.0	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		17:36			18:37			19:37	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		20:37			21:32			22:33	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2010	100.5	2000	2000	100.0	2000	1990	99.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2050	102.5	2000	2070	103.5	2000	2060	103.0
Calcium	anr								
Cerium									
Chromium	2000	2080	104.0	2000	2140	107.0	2000	2020	101.0
Cobalt	anr								
Copper	2000	2060	103.0	2000	2120	106.0	2000	2010	100.5
Iron	40000	40100	100.3	40000	40000	100.0	40000	40000	100.0
Lead	2000	1960	98.0	2000	1950	97.5	2000	1940	97.0
Lithium									
Magnesium	anr								
Manganese	2000	2050	102.5	2000	2080	104.0	2000	1980	99.0
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2040	102.0
Silicon									
Silver	250	257	102.8	250	265	106.0	250	252	100.8
Sodium	40000	39100	97.8	40000	38900	97.3	40000	38800	97.0
Strontium									
Sulfur									
Thallium	2000	2060	103.0	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	2080	104.0	2000	2140	107.0	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		20:37			21:32			22:33	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		23:28			00:23			01:24	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2010	100.5	2000	2000	100.0	2000	2000	100.0
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2090	104.5	2000	2080	104.0	2000	2060	103.0
Calcium	anr								
Cerium									
Chromium	2000	2120	106.0	2000	2110	105.5	2000	2090	104.5
Cobalt	anr								
Copper	2000	2090	104.5	2000	2090	104.5	2000	2070	103.5
Iron	40000	40500	101.3	40000	40200	100.5	40000	40200	100.5
Lead	2000	1960	98.0	2000	1960	98.0	2000	1940	97.0
Lithium									
Magnesium	anr								
Manganese	2000	2050	102.5	2000	2070	103.5	2000	2050	102.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2060	103.0	2000	2060	103.0	2000	2030	101.5
Silicon									
Silver	250	263	105.2	250	262	104.8	250	258	103.2
Sodium	40000	39200	98.0	40000	38800	97.0	40000	38900	97.3
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2070	103.5	2000	2060	103.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	2120	106.0	2000	2110	105.5	2000	2090	104.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		23:28			00:23			01:24	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		02:25			03:25			04:20	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2020	101.0	2000	2020	101.0	2000	2010	100.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2070	103.5	2000	2070	103.5	2000	2070	103.5
Calcium	anr								
Cerium									
Chromium	2000	2090	104.5	2000	2120	106.0	2000	2110	105.5
Cobalt	anr								
Copper	2000	2070	103.5	2000	2100	105.0	2000	2090	104.5
Iron	40000	40400	101.0	40000	40400	101.0	40000	40400	101.0
Lead	2000	1950	97.5	2000	1960	98.0	2000	1960	98.0
Lithium									
Magnesium	anr								
Manganese	2000	2050	102.5	2000	2080	104.0	2000	2070	103.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2040	102.0	2000	2050	102.5	2000	2050	102.5
Silicon									
Silver	250	259	103.6	250	261	104.4	250	261	104.4
Sodium	40000	39100	97.8	40000	39100	97.8	40000	39000	97.5
Strontium									
Sulfur									
Thallium	2000	2070	103.5	2000	2070	103.5	2000	2080	104.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	2090	104.5	2000	2120	106.0	2000	2110	105.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		02:25			03:25			04:20	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		05:21			06:17			06:57	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	2000	2000	100.0	2000	2040	102.0	2000	2030	101.5
Beryllium	anr								
Bismuth									
Boron									
Cadmium	2000	2060	103.0	2000	2080	104.0	2000	2090	104.5
Calcium	anr								
Cerium									
Chromium	2000	2120	106.0	2000	2130	106.5	2000	2130	106.5
Cobalt	anr								
Copper	2000	2100	105.0	2000	2110	105.5	2000	2110	105.5
Iron	40000	40200	100.5	40000	40900	102.3	40000	40700	101.8
Lead	2000	1940	97.0	2000	1950	97.5	2000	1950	97.5
Lithium									
Magnesium	anr								
Manganese	2000	2070	103.5	2000	2090	104.5	2000	2070	103.5
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	2000	2040	102.0	2000	2060	103.0	2000	2060	103.0
Silicon									
Silver	250	261	104.4	250	263	105.2	250	262	104.8
Sodium	40000	38700	96.8	40000	39300	98.3	40000	39200	98.0
Strontium									
Sulfur									
Thallium	2000	2060	103.0	2000	2080	104.0	2000	2080	104.0
Tin									
Titanium									
Tungsten	anr								
Vanadium	2000	2120	106.0	2000	2130	106.5	2000	2130	106.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		05:21			06:17			06:57	
Sample ID:	CCV	CCV18		CCV	CCV19		CCV	CCV20	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		07:54			08:49	
Sample ID:	CCV	CCV21		CCV	CCV22	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	2000	1980	99.0	2000	1990	99.5
Beryllium	anr					
Bismuth						
Boron						
Cadmium	2000	2070	103.5	2000	2080	104.0
Calcium	anr					
Cerium						
Chromium	2000	2070	103.5	2000	2150	107.5
Cobalt	anr					
Copper	2000	2050	102.5	2000	2120	106.0
Iron	40000	39900	99.8	40000	40200	100.5
Lead	2000	1920	96.0	2000	1920	96.0
Lithium						
Magnesium	anr					
Manganese	2000	1990	99.5	2000	2080	104.0
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium	anr					
Selenium	2000	2040	102.0	2000	2060	103.0
Silicon						
Silver	250	256	102.4	250	264	105.6
Sodium	40000	38000	95.0	40000	38500	96.3
Strontium						
Sulfur						
Thallium	2000	2050	102.5	2000	2060	103.0
Tin						
Titanium						
Tungsten	anr					
Vanadium	2000	2070	103.5	2000	2150	107.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55266 Units: ug/l

Time:		07:54			08:49	
Sample ID:	CCV	CCV21		CCV	CCV22	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55266 Units: ug/l

Time:		12:34			12:40	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	8000	7930	99.1			
Beryllium	anr					
Bismuth						
Boron						
Cadmium	8000	7850	98.1			
Calcium						
Cerium						
Chromium	8000	8030	100.4			
Cobalt	anr					
Copper	8000	7890	98.6			
Iron				200000	198000	99.0
Lead	8000	7930	99.1			
Lithium						
Magnesium						
Manganese	8000	7950	99.4			
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	8000	7850	98.1			
Silicon						
Silver	625	632	101.1			
Sodium				200000	190000	95.0
Strontium						
Sulfur						
Thallium	8000	8090	101.1			
Tin						
Titanium						
Tungsten	anr					
Vanadium	8000	7850	98.1			

HIGH STANDARD CHECK SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55266 Units: ug/l

Time:		12:34			12:40	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55266 Units: ug/l

Time:				12:14		12:19	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr			
Antimony	6.0	20	3.0	anr			
Arsenic	8.0	20	3.0	anr			
Barium	200		4.0	198	99.0	3.90	97.5
Beryllium	2.0		1.0	anr			
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	3.00	100.0	1.00	100.0
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	9.70	97.0	1.90	95.0
Cobalt	50		3.0	anr			
Copper	10		2.0	9.30	93.0		
Iron	100	500		105	105.0		
Lead	3.0	20	2.5	2.70	90.0		
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	15.1	100.7	3.00	100.0
Molybdenum	20						
Nickel	10		4.0	anr			
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	9.50	95.0		
Silicon	200						
Silver	5.0		2.0	4.70	94.0		
Sodium	5000		1000	4850	97.0	926	92.6
Strontium	10						
Sulfur	50						
Thallium	10		2.0	11.1	111.0	1.80	90.0
Tin	10						
Titanium	10						
Tungsten	50			anr			
Vanadium	50		2.0	48.3	96.6	2.10	105.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55266 Units: ug/l

Time:				12:14		12:19	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	anr			
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55266 Units: ug/l

Time:			12:25		12:29	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	480000	96.0	491000	98.2
Antimony		1000	0.700		1000	100.0
Arsenic		1000	-1.50		1000	100.0
Barium		500	6.20		495	99.0
Beryllium		500	0.200		489	97.8
Bismuth		500	14.3		522	104.4
Boron		500	-0.800		497	99.4
Cadmium		1000	1.50		1030	103.0
Calcium	400000	400000	372000	93.0	370000	92.5
Cerium			4.80		17.2	
Chromium		500	2.50		464	92.8
Cobalt		500	-0.300		492	98.4
Copper		500	1.70		504	100.8
Iron	200000	200000	180000	90.0	187000	93.5
Lead		1000	-1.30		945	94.5
Lithium		500	-0.700		521	104.2
Magnesium	500000	500000	467000	93.4	481000	96.2
Manganese		500	4.20		499	99.8
Molybdenum		500	3.00		481	96.2
Nickel		1000	-0.700		936	93.6
Phosphorus		500	28.1		505	101.0
Potassium			-27.4		-9.60	
Selenium		1000	4.40		992	99.2
Silicon		500	10.7		511	102.2
Silver		1000	2.20		963	96.3
Sodium			38.5		79.4	
Strontium		500	7.60		497	99.4
Sulfur		500	-19.1		461	92.2
Thallium		1000	0.500		960	96.0
Tin		500	-1.30		481	96.2
Titanium		500	-1.70		481	96.2
Tungsten		500	-0.500		477	95.4
Vanadium		500	1.60		484	96.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC121923M2.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55266 Units: ug/l

Time:			12:25		12:29	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	2.30		948	94.8
Zirconium		500	6.80		469	93.8

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:36	MA55268-STD1	1		STDA
12:41	MA55268-STD2	1		STDB
12:46	MA55268-ICV1	1		
12:52	MA55268-ICB1	1		
12:57	MA55268-ICCV1	1		
13:04	MA55268-CCB1	1		
13:10	MA55268-CRI1	1		
13:14	MA55268-CRID1	1		
13:19	MA55268-ICSA1	1		
13:24	MA55268-ICSAB1	1		
13:29	MA55268-HSTD1	1		
13:34	MA55268-HSTD2	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	MA55268-CCV1	1		
13:59	MA55268-CCB2	1		
14:08	MA55268-CCV2	1		
14:13	MA55268-CCB3	1		
14:18	MA55268-CCV3	1		
14:23	MA55268-CCB4	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:48	MP43775-B1	1		
14:53	MP43775-MB1	1		
14:58	MP43775-S1	1		
15:03	MP43775-S2	1		
15:08	JD78869-1	1		(sample used for QC only; not part of login JD78884)
15:13	MP43775-SD1	5		
15:18	MA55268-CCV4	1		
15:23	MA55268-CCB5	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:28	MP43775-PS1	1		
15:33	JD78884-1	1		
15:38	JD78884-2	1		
15:43	JD78884-3	1		
15:47	JD78884-4	1		
15:52	JD78884-5	1		
15:57	JD78884-6	1		
16:02	JD78884-7	1		
16:07	JD78884-8	1		
16:12	JD78884-9	1		
16:17	MA55268-CCV5	1		
16:22	MA55268-CCB6	1		
16:27	JD78884-10	1		
16:32	JD78884-11	1		
16:37	JD78884-12	1		
16:42	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:12	MA55268-CCV6	1		Ba,Fe,Na out; Y3600 saturation
17:17	MA55268-CCB7	1		Y3600 saturation
17:22	ZZZZZZ	1		
17:27	MP43775-S2	1		
17:32	JD78884-2	1		Y3600 saturation confirmed
17:37	JD78884-9	1		
17:42	JD78884-10	1		ISTDs out
17:47	JD78884-11	1		ISTDs out
---------->	Last reportable sample/prep for job JD78884			
17:52	MP43810-B1	1		ISTD out
17:57	MP43810-MB1	1		Batch to reanalysis for samples brackteted by QCs w/ failing elements
18:02	MP43810-S1	1		ISTD out
18:07	MP43810-S2	1		Y3600 saturation

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	18:12	MA55268-CCV7	1		Fe,Na out
	18:17	MA55268-CCB8	1		
---------->	Last reportable CCB for job JD78884				
	18:22	JD79009-3	1		(sample used for QC only; not part of login JD78884)
	18:27	MP43810-SD1	5		
	18:32	MP43810-PS1	1		
	18:37	ZZZZZZ	1		
	18:42	ZZZZZZ	1		
	18:47	MP43816-MB1	1		Batch to reanalysis due to failing QCs
	18:52	MP43816-LB1	1		
	18:57	MP43816-B1	1		
	19:02	MP43816-LS1	1		
	19:06	MP43816-S1	1		
	19:11	MA55268-CCV8	1		Multiple elements out; Y3600 saturation
	19:16	MA55268-CCB9	1		Cu out; Y3600 saturation
	19:21	MP43816-S2	1		
	19:26	JD78595-1A	1		(sample used for QC only; not part of login JD78884)
	19:31	MP43816-SD1	5		Y3600 saturation
	19:36	ZZZZZZ	1		
	19:42	ZZZZZZ	1		
	19:47	ZZZZZZ	1		
	19:52	ZZZZZZ	1		
	19:57	ZZZZZZ	10		
	20:02	ZZZZZZ	5		
	20:07	ZZZZZZ	20		
	20:12	MA55268-CCV9	1		Multiple elements out; Y3600 saturation
	20:17	MA55268-CCB10	1		
	20:22	ZZZZZZ	5		
	20:27	ZZZZZZ	1		
	20:32	ZZZZZZ	10		
	20:37	ZZZZZZ	1		
	20:42	ZZZZZZ	2		
	20:47	ZZZZZZ	1		
	20:53	ZZZZZZ	2		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:58	MP43820-B1	1		Batch to reanalysis for samples brackted by failing QCs
21:03	MP43820-MB1	1		
21:08	MP43820-S1	1		
21:13	MA55268-CCV10	1		Fe,Na out
21:17	MA55268-CCB11	1		
21:22	MP43820-S2	1		
21:27	JD78879-1	1		(sample used for QC only; not part of login JD78884)
21:32	MP43820-SD1	5		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:53	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:08	MA55268-CCV11	1		Fe,Na out
22:13	MA55268-CCB12	1		Cu out
22:18	ZZZZZZ	1		
22:23	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	MP43822-B1	1		
22:38	MP43822-MB1	1		
22:43	MP43822-S1	1		
22:48	MP43822-S2	1		
22:52	JD78899-3	1		(sample used for QC only; not part of login JD78884)
22:58	MP43822-SD1	5		
23:03	ZZZZZZ	1		
23:08	MA55268-CCV12	1		Cu,Fe,Mg,Ag,Na out
23:13	MA55268-CCB13	1		
23:18	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:38	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:43	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:03	ZZZZZZ	1		
00:09	MA55268-CCV13	1		Cu,Fe,Mg,Ag,Na out
00:13	MA55268-CCB14	1		
00:19	ZZZZZZ	1		
00:24	MP43819-MB1	1		
00:29	MP43819-B1	1		Batch to reanalysis for elements failed in QCs
00:34	MP43819-S1	1		Need PS for Si
00:39	MP43819-S2	1		
00:43	JD78987-2	1		(sample used for QC only; not part of login JD78884)
00:49	MP43819-SD1	5		Y3600 saturation
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:09	MA55268-CCV14	1		Multiple elements out; Y3600 saturation
01:14	MA55268-CCB15	1		Y3600 saturation
01:19	ZZZZZZ	1		
01:24	ZZZZZZ	1		
01:29	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:40	ZZZZZZ	1		
01:45	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:00	ZZZZZZ	1		
02:05	ZZZZZZ	1		
02:11	MA55268-CCV15	1		Cu,Fe,Na out
02:15	MA55268-CCB16	1		
02:20	ZZZZZZ	1		
02:25	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:30	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:41	ZZZZZZ	1		
02:46	ZZZZZZ	1		
02:51	MA55268-CCV16	1		Fe,Na out
02:56	MA55268-CCB17	1		
03:01	ZZZZZZ	1		
03:06	ZZZZZZ	1		
03:11	ZZZZZZ	1		
03:17	ZZZZZZ	1		
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:47	MA55268-CCV17	1		
03:52	MA55268-CCB18	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:46	MA55268-ICV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:52	MA55268-ICB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:57	MA55268-ICCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:04	MA55268-CCB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:10	MA55268-CRI1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:14	MA55268-CRID1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:19	MA55268-ICSA1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:24	MA55268-ICSAB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:29	MA55268-HSTD1	1			X	X	X	X	X		X	X	X		X		X	X		X	X	X	X	X	X	
13:34	MA55268-HSTD2	1		X					X				X			X			X			X				
13:39	ZZZZZZ	1																								
13:44	ZZZZZZ	1																								
13:49	ZZZZZZ	1																								
13:54	MA55268-CCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:59	MA55268-CCB2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:08	MA55268-CCV2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:13	MA55268-CCB3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:18	MA55268-CCV3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:23	MA55268-CCB4	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:28	ZZZZZZ	1																								
14:33	ZZZZZZ	1																								
14:38	ZZZZZZ	1																								
14:43	ZZZZZZ	1																								
14:48	MP43775-B1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:53	MP43775-MB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:58	MP43775-S1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:03	MP43775-S2	1		X	X	X	X	X	X	X		X		X	X	X		X	X	X		X	X		X	
15:08	JD78869-1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
15:13	MP43775-SD1	5		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:18	MA55268-CCV4	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:23	MA55268-CCB5	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:28	MP43775-PS1	1			X																					
15:33	JD78884-1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
			Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
15:38	JD78884-2	1	X	X	X	X	X	X	X		X		X	X	X		X	X	X		X	X		X
15:43	JD78884-3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15:47	JD78884-4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15:52	JD78884-5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15:57	JD78884-6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:02	JD78884-7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:07	JD78884-8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:12	JD78884-9	1	X	X	X	X	X	X	X		X		X	X	X		X	X	X		X	X		X
16:17	MA55268-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:22	MA55268-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:27	JD78884-10	1	X	X	X		X		X		X				X		X	X						X
16:32	JD78884-11	1	X	X	X		X	X	X		X			X	X		X	X	X			X		X
16:37	JD78884-12	1	X	X	X		X	X	X		X			X	X		X	X	X			X		X
16:42	ZZZZZZ	1																						
16:47	ZZZZZZ	1																						
16:52	ZZZZZZ	1																						
16:57	ZZZZZZ	1																						
17:02	ZZZZZZ	1																						
17:07	ZZZZZZ	1																						
17:12	MA55268-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17:17	MA55268-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
17:22	ZZZZZZ	1																						
17:27	MP43775-S2	1																						
17:32	JD78884-2	1																						
17:37	JD78884-9	1																						
17:42	JD78884-10	1																						
17:47	JD78884-11	1																						
17:52	MP43810-B1	1																						
17:57	MP43810-MB1	1		X	X			X			X			X			X		X			X		X
18:02	MP43810-S1	1																						
18:07	MP43810-S2	1																						
18:12	MA55268-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
18:17	MA55268-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
18:22	JD79009-3	1	X					X			X			X			X							X	(a)
18:27	MP43810-SD1	5	X					X			X			X			X							X	
18:32	MP43810-PS1	1																							
18:37	ZZZZZZ	1																							
18:42	ZZZZZZ	1																							
18:47	MP43816-MB1	1	Batch to reanalysis due to failing QCs																						
18:52	MP43816-LB1	1																							
18:57	MP43816-B1	1																							
19:02	MP43816-LS1	1																							
19:06	MP43816-S1	1																							
19:11	MA55268-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:16	MA55268-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:21	MP43816-S2	1																							
19:26	JD78595-1A	1																							
19:31	MP43816-SD1	5	Y3600 saturation																						
19:36	ZZZZZZ	1																							
19:42	ZZZZZZ	1																							
19:47	ZZZZZZ	1																							
19:52	ZZZZZZ	1																							
19:57	ZZZZZZ	10																							
20:02	ZZZZZZ	5																							
20:07	ZZZZZZ	20																							
20:12	MA55268-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:17	MA55268-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:22	ZZZZZZ	5																							
20:27	ZZZZZZ	1																							
20:32	ZZZZZZ	10																							
20:37	ZZZZZZ	1																							
20:42	ZZZZZZ	2																							
20:47	ZZZZZZ	1																							
20:53	ZZZZZZ	2																							
20:58	MP43820-B1	1	X	X	X		X	X			X		X			X		X			X		X		
21:03	MP43820-MB1	1	X	X	X		X	X			X		X			X		X			X		X		
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
21:08	MP43820-S1	1	X	X	X		X	X				X		X			X		X			X		X	
21:13	MA55268-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:17	MA55268-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:22	MP43820-S2	1	X	X	X		X	X			X		X			X		X		X		X		X	
21:27	JD78879-1	1			X			X		X		X		X			X			X				X	(a)
21:32	MP43820-SD1	5	X	X	X		X	X		X		X		X		X	X		X	X		X		X	
21:38	ZZZZZZ	1																							
21:43	ZZZZZZ	1																							
21:48	ZZZZZZ	1																							
21:53	ZZZZZZ	1																							
21:58	ZZZZZZ	1																							
22:03	ZZZZZZ	1																							
22:08	MA55268-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:13	MA55268-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
22:18	ZZZZZZ	1																							
22:23	ZZZZZZ	1																							
22:28	ZZZZZZ	1																							
22:33	MP43822-B1	1			X									X											
22:38	MP43822-MB1	1			X									X											
22:43	MP43822-S1	1			X									X											
22:48	MP43822-S2	1			X									X											
22:52	JD78899-3	1			X									X											(a)
22:58	MP43822-SD1	5			X									X											
23:03	ZZZZZZ	1																							
23:08	MA55268-CCV12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:13	MA55268-CCB13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
23:18	ZZZZZZ	1																							
23:23	ZZZZZZ	1																							
23:28	ZZZZZZ	1																							
23:33	ZZZZZZ	1																							
23:38	ZZZZZZ	1																							
23:43	ZZZZZZ	1																							
23:48	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
23:53	ZZZZZZ	1																							
23:58	ZZZZZZ	1																							
00:03	ZZZZZZ	1																							
00:09	MA55268-CCV13	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:13	MA55268-CCB14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
00:19	ZZZZZZ	1																							
00:24	MP43819-MB1	1	X	X	X		X	X		X			X			X		X		X		X		X	
00:29	MP43819-B1	1	X	X	X		X	X		X			X			X		X		X		X		X	
00:34	MP43819-S1	1	X	X	X		X	X		X			X			X		X		X		X		X	
00:39	MP43819-S2	1	X	X	X		X	X		X			X			X		X		X		X		X	
00:43	JD78987-2	1	X	X			X	X		X			X			X		X						X	(a)
00:49	MP43819-SD1	5	X	X	X		X	X		X			X			X		X		X		X		X	
00:54	ZZZZZZ	1																							
00:59	ZZZZZZ	1																							
01:04	ZZZZZZ	1																							
01:09	MA55268-CCV14	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:14	MA55268-CCB15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
01:19	ZZZZZZ	1																							
01:24	ZZZZZZ	1																							
01:29	ZZZZZZ	1																							
01:35	ZZZZZZ	1																							
01:40	ZZZZZZ	1																							
01:45	ZZZZZZ	1																							
01:50	ZZZZZZ	1																							
01:55	ZZZZZZ	1																							
02:00	ZZZZZZ	1																							
02:05	ZZZZZZ	1																							
02:11	MA55268-CCV15	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:15	MA55268-CCB16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
02:20	ZZZZZZ	1																							
02:25	ZZZZZZ	1																							
02:30	ZZZZZZ	1																							
02:36	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
02:41	ZZZZZZ	1																						
02:46	ZZZZZZ	1																						
02:51	MA55268-CCV16	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
02:56	MA55268-CCB17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
03:01	ZZZZZZ	1																						
03:06	ZZZZZZ	1																						
03:11	ZZZZZZ	1																						
03:17	ZZZZZZ	1																						
03:22	ZZZZZZ	1																						
03:27	ZZZZZZ	1																						
03:32	ZZZZZZ	1																						
03:37	ZZZZZZ	1																						
03:42	ZZZZZZ	1																						
03:47	MA55268-CCV17	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
03:52	MA55268-CCB18	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JD78884.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:36	MA55268-STD1	4038 R	176610 R	7081 R	8875 R
12:41	MA55268-STD2	3969	169180	6999	8950
12:46	MA55268-ICV1	4006	172630	7100	8942
12:52	MA55268-ICB1	3979	178040	7160	8759
12:57	MA55268-ICCV1	3960	170440	7066	8848
13:04	MA55268-CCB1	3962	176090	7166	8708
13:10	MA55268-CRI1	4036	173900	7060	8884
13:14	MA55268-CRID1	4072	174560	7063	8941
13:19	MA55268-ICSA1	3671	158340	6884	8340
13:24	MA55268-ICSAB1	3686	158560	6890	8385
13:29	MA55268-HSTD1	3994	173330	7104	9063
13:34	MA55268-HSTD2	3752	159480	6855	8417
13:39	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:44	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:49	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:54	MA55268-CCV1	3792	165650	6901	8500
13:59	MA55268-CCB2	3974	172240	6943	8732
14:08	MA55268-CCV2	3872	165880	6861	8661
14:13	MA55268-CCB3	3980	171400	6946	8736
14:18	MA55268-CCV3	3899	166500	6936	8702
14:23	MA55268-CCB4	3984	172380	6932	8749
14:28	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:33	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:38	ZZZZZZ	4037	174270	7086	8868
14:43	ZZZZZZ	4047	174500	7103	8879
14:48	MP43775-B1	4055	173160	7139	9005
14:53	MP43775-MB1	4116	177350	7216	9010
14:58	MP43775-S1	4079	166380	7524	9005
15:03	MP43775-S2	4188	999999 !a	7341	9289
15:08	JD78869-1	4118	175550	7318	9046
15:13	MP43775-SD1	4131	174390	7108	9049
15:18	MA55268-CCV4	4032	169350	6958	8958
15:23	MA55268-CCB5	4089	173550	7020	8952

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:28	MP43775-PS1	4051	171190	7165	8961
15:33	JD78884-1	4250	176320	7355	9322
15:38	JD78884-2	4237	999999 !a	7309	9274
15:43	JD78884-3	4190	175940	7289	9219
15:47	JD78884-4	4159	174880	7233	9120
15:52	JD78884-5	4079	174660	7168	8923
15:57	JD78884-6	4174	174310	7168	9174
16:02	JD78884-7	4152	174500	7245	9182
16:07	JD78884-8	4091	171940	7192	9010
16:12	JD78884-9	4102	999999 !a	7146	9071
16:17	MA55268-CCV5	4026	169950	7030	8964
16:22	MA55268-CCB6	4101	175940	7030	8978
16:27	JD78884-10	4332	999999 !a	7305	9608
16:32	JD78884-11	4268	999999 !a	7377	9314
16:37	JD78884-12	4228	174040	7214	9274
16:42	ZZZZZZ	4051	163690	7214	8632
16:47	ZZZZZZ	3858	154880	6998	8425
16:52	ZZZZZZ	4108	158700	7445	8584
16:57	ZZZZZZ	4069	163150	7153	8882
17:02	ZZZZZZ	4250	168650	7347	9187
17:07	ZZZZZZ	4435	999999 !a	7527	9621
17:12	MA55268-CCV6	4094	999999 !a	7117	9022
17:17	MA55268-CCB7	4113	999999 !a	7216	8926
17:22	ZZZZZZ	4108	169410	7407	8935
17:27	MP43775-S2	4151	163900	7409	9121
17:32	JD78884-2	4558	999999 !a	7938	9866
17:37	JD78884-9	5583 !a	175040	8062	11964 !a
17:42	JD78884-10	7449 !a	282240 !a	9628 !a	15808 !a
17:47	JD78884-11	10835 !a	366190 !a	13146 !a	22625 !a
17:52	MP43810-B1	9274 !a	429210 !a	999999 !a	999999 !a
17:57	MP43810-MB1	4522	260240 !a	9223 !a	9775
18:02	MP43810-S1	5703 !a	218690	8585	12231 !a
18:07	MP43810-S2	4334	999999 !a	7910	9482

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:12	MA55268-CCV7	4067	165900	7074	8981
18:17	MA55268-CCB8	4146	170210	7073	9009
18:22	JD79009-3	4270	174390	7321	9255
18:27	MP43810-SD1	4078	167590	7051	8869
18:32	MP43810-PS1	4048	165010	7067	8886
18:37	ZZZZZZ	4226	169300	7284	9180
18:42	ZZZZZZ	4166	169460	7424	9087
18:47	MP43816-MB1	No results reported for the elements associated with this internal standard.			
18:52	MP43816-LB1	No results reported for the elements associated with this internal standard.			
18:57	MP43816-B1	No results reported for the elements associated with this internal standard.			
19:02	MP43816-LS1	No results reported for the elements associated with this internal standard.			
19:06	MP43816-S1	No results reported for the elements associated with this internal standard.			
19:11	MA55268-CCV8	4354	999999 !a	7507	9567
19:16	MA55268-CCB9	4387	999999 !a	7336	9503
19:21	MP43816-S2	No results reported for the elements associated with this internal standard.			
19:26	JD78595-1A	No results reported for the elements associated with this internal standard.			
19:31	MP43816-SD1	No results reported for the elements associated with this internal standard.			
19:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:02	ZZZZZZ	999999 !a	174050	7562	9843
20:07	ZZZZZZ	4322	999999 !a	7362	9506
20:12	MA55268-CCV9	4183	999999 !a	7125	9228
20:17	MA55268-CCB10	4215	171260	7086	9144
20:22	ZZZZZZ	4121	168360	7138	9034
20:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:53	ZZZZZZ	4090	166550	6997	8959

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:58	MP43820-B1	4092	165090	6976	9062
21:03	MP43820-MB1	4164	169680	7066	9089
21:08	MP43820-S1	4050	163780	7025	8980
21:13	MA55268-CCV10	4076	165820	7089	9014
21:17	MA55268-CCB11	4192	171540	7103	9108
21:22	MP43820-S2	4073	164620	7056	9029
21:27	JD78879-1	4189	167270	7103	9202
21:32	MP43820-SD1	4190	170850	7111	9144
21:38	ZZZZZZ	4179	168820	7129	9154
21:43	ZZZZZZ	4187	169380	7096	9175
21:48	ZZZZZZ	4087	165210	7013	8993
21:53	ZZZZZZ	4074	164740	6997	8958
21:58	ZZZZZZ	4250	170520	7145	9303
22:03	ZZZZZZ	4195	170120	7085	9181
22:08	MA55268-CCV11	4099	165960	7028	9047
22:13	MA55268-CCB12	4219	171500	7115	9164
22:18	ZZZZZZ	4158	169090	7091	9095
22:23	ZZZZZZ	4115	166300	6981	9046
22:28	ZZZZZZ	4128	167700	7032	9063
22:33	MP43822-B1	4164	168470	7141	9176
22:38	MP43822-MB1	4226	171730	7132	9183
22:43	MP43822-S1	4148	167400	7125	9144
22:48	MP43822-S2	4150	167830	7095	9158
22:52	JD78899-3	4271	171600	7186	9317
22:58	MP43822-SD1	4261	171840	7167	9280
23:03	ZZZZZZ	4409	175480	7283	9594
23:08	MA55268-CCV12	4266	170310	7178	9397
23:13	MA55268-CCB13	4256	175270	7199	9242
23:18	ZZZZZZ	4373	173990	7284	9529
23:23	ZZZZZZ	4304	176670	7276	9351
23:28	ZZZZZZ	4244	171400	7161	9280
23:33	ZZZZZZ	4212	171750	7160	9221
23:38	ZZZZZZ	4281	172850	7190	9321

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:43	ZZZZZZ	4221	170820	7129	9242
23:48	ZZZZZZ	4215	169000	7145	9178
23:53	ZZZZZZ	4197	168840	7089	9167
23:58	ZZZZZZ	4201	167250	7096	9132
00:03	ZZZZZZ	4194	168340	7097	9151
00:09	MA55268-CCV13	4253	169600	7133	9364
00:13	MA55268-CCB14	4291	174970	7195	9322
00:19	ZZZZZZ	4237	172090	7144	9267
00:24	MP43819-MB1	4373	175430	7239	9476
00:29	MP43819-B1	4231	172030	7223	9319
00:34	MP43819-S1	4187	165960	7202	9228
00:39	MP43819-S2	4203	170170	7199	9262
00:43	JD78987-2	4266	171700	7214	9318
00:49	MP43819-SD1	4335	999999 !a	7254	9458
00:54	ZZZZZZ	4299	193180	7311	9341
00:59	ZZZZZZ	4336	173390	7322	9444
01:04	ZZZZZZ	4310	176340	7330	9390
01:09	MA55268-CCV14	4185	999999 !a	7183	9257
01:14	MA55268-CCB15	4409	999999 !a	7520	9548
01:19	ZZZZZZ	4200	167440	7072	9178
01:24	ZZZZZZ	4213	169510	7113	9224
01:29	ZZZZZZ	4216	168920	7079	9202
01:35	ZZZZZZ	4081	162140	6980	8891
01:40	ZZZZZZ	4178	166650	7023	9132
01:45	ZZZZZZ	4265	168410	7081	9313
01:50	ZZZZZZ	4186	168540	7045	9157
01:55	ZZZZZZ	4071	161620	6916	8859
02:00	ZZZZZZ	4226	171990	7137	9234
02:05	ZZZZZZ	4196	170410	7103	9173
02:11	MA55268-CCV15	4121	167540	7022	9116
02:15	MA55268-CCB16	4238	173320	7098	9210
02:20	ZZZZZZ	4280	173210	7252	9262
02:25	ZZZZZZ	4145	168270	7073	9062

INTERNAL STANDARD SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:30	ZZZZZZ	4244	173310	7125	9231
02:36	ZZZZZZ	4171	168590	7096	9157
02:41	ZZZZZZ	4145	168500	7038	9073
02:46	ZZZZZZ	4256	172630	7153	9247
02:51	MA55268-CCV16	4099	166640	7001	9068
02:56	MA55268-CCB17	4230	172760	7033	9192
03:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:06	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:11	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:47	MA55268-CCV17	4115	167060	6997	9099
03:52	MA55268-CCB18	4218	171990	7055	9173

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			12:52		13:04		13:59		14:13	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	4.60	<200	2.30	<200	11.5	<200	12.7	<200
Antimony	6.0	2.8	-0.700	<6.0	-0.300	<6.0	-0.200	<6.0	-0.500	<6.0
Arsenic	3.0	2.6	0.700	<3.0	1.60	<3.0	0.900	<3.0	0.200	<3.0
Barium	200	.2	0.200	<200	0.300	<200	0.100	<200	0.100	<200
Beryllium	1.0	.2	0.00	<1.0	0.100	<1.0	0.100	<1.0	0.100	<1.0
Bismuth	20	2.5	anr							
Boron	100	1.8								
Cadmium	3.0	.4	0.100	<3.0	0.100	<3.0	0.200	<3.0	0.100	<3.0
Calcium	5000	13	-0.200	<5000	-0.300	<5000	5.10	<5000	1.00	<5000
Cerium	100									
Chromium	10	.7	0.100	<10	0.200	<10	0.200	<10	0.00	<10
Cobalt	50	.6	-0.100	<50	0.100	<50	-0.100	<50	-0.100	<50
Copper	10	.7	-0.800	<10	0.600	<10	0.500	<10	0.800	<10
Iron	100	3.3	-2.30	<100	1.80	<100	6.60	<100	3.30	<100
Lead	3.0	2	0.900	<3.0	0.100	<3.0	0.200	<3.0	-0.400	<3.0
Lithium	50	1.5								
Magnesium	5000	25	4.10	<5000	11.7	<5000	13.4	<5000	-6.20	<5000
Manganese	15	.1	0.00	<15	0.100	<15	0.100	<15	0.100	<15
Molybdenum	20	.6	anr							
Nickel	10	.8	-0.400	<10	0.200	<10	0.200	<10	-0.200	<10
Phosphorus	50	7								
Potassium	10000	35	22.8	<10000	11.0	<10000	-19.5	<10000	2.30	<10000
Selenium	10	3.6	-3.00	<10	-1.70	<10	-2.40	<10	-0.500	<10
Silicon	200	2.2	anr							
Silver	10	.6	0.00	<10	-0.200	<10	-0.200	<10	0.00	<10
Sodium	10000	14	6.40	<10000	8.20	<10000	7.30	<10000	7.90	<10000
Strontium	10	.1								
Sulfur	50	3.7	anr							
Thallium	10	5.2	1.50	<10	0.700	<10	0.400	<10	0.400	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.00	<50	0.00	<50	-0.100	<50	-0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			12:52		13:04		13:59		14:13	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.500	<20	0.300	<20	-0.100	<20	-0.400	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			14:23		15:23		16:22		17:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	13.0	<200	17.5	<200	28.1	<200	14.6	<200
Antimony	6.0	2.8	0.700	<6.0	-0.800	<6.0	-1.00	<6.0	-0.100	<6.0
Arsenic	3.0	2.6	0.400	<3.0	1.70	<3.0	1.60	<3.0	0.500	<3.0
Barium	200	.2	0.200	<200	0.200	<200	0.200	<200	0.400	<200
Beryllium	1.0	.2	0.100	<1.0	0.200	<1.0	0.100	<1.0	0.200	<1.0
Bismuth	20	2.5	anr							
Boron	100	1.8								
Cadmium	3.0	.4	0.00	<3.0	0.00	<3.0	0.00	<3.0	0.200	<3.0
Calcium	5000	13	4.70	<5000	3.00	<5000	5.40	<5000	7.50	<5000
Cerium	100									
Chromium	10	.7	0.400	<10	0.500	<10	0.500	<10	0.300	<10
Cobalt	50	.6	0.00	<50	0.00	<50	0.300	<50	0.00	<50
Copper	10	.7	0.600	<10	1.10	<10	1.00	<10	4.00	<10
Iron	100	3.3	8.70	<100	10.5	<100	9.20	<100	2.50	<100
Lead	3.0	2	-0.800	<3.0	0.300	<3.0	1.00	<3.0	0.700	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-7.70	<5000	22.2	<5000	-4.30	<5000	2.60	<5000
Manganese	15	.1	0.200	<15	0.300	<15	0.300	<15	0.200	<15
Molybdenum	20	.6	anr							
Nickel	10	.8	-0.100	<10	-0.100	<10	0.100	<10	0.200	<10
Phosphorus	50	7								
Potassium	10000	35	14.1	<10000	-16.3	<10000	-10.5	<10000	-9.80	<10000
Selenium	10	3.6	-2.20	<10	-0.600	<10	-1.80	<10	-2.90	<10
Silicon	200	2.2	anr							
Silver	10	.6	0.500	<10	0.00	<10	0.800	<10	0.00	<10
Sodium	10000	14	12.6	<10000	2.60	<10000	-1.90	<10000	4.30	<10000
Strontium	10	.1								
Sulfur	50	3.7	anr							
Thallium	10	5.2	0.200	<10	0.700	<10	0.800	<10	-1.60	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.100	<50	0.300	<50	0.400	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			14:23		15:23		16:22		17:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.400	<20	-0.500	<20	-0.400	<20	-0.500	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			18:17	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	9.2	14.0	<200
Antimony	6.0	2.8	-0.600	<6.0
Arsenic	3.0	2.6	0.900	<3.0
Barium	200	.2	0.400	<200
Beryllium	1.0	.2	0.200	<1.0
Bismuth	20	2.5	anr	
Boron	100	1.8		
Cadmium	3.0	.4	0.200	<3.0
Calcium	5000	13	6.80	<5000
Cerium	100			
Chromium	10	.7	0.400	<10
Cobalt	50	.6	0.00	<50
Copper	10	.7	6.00	<10
Iron	100	3.3	6.10	<100
Lead	3.0	2	-0.100	<3.0
Lithium	50	1.5		
Magnesium	5000	25	4.20	<5000
Manganese	15	.1	0.100	<15
Molybdenum	20	.6	anr	
Nickel	10	.8	-0.100	<10
Phosphorus	50	7		
Potassium	10000	35	-23.5	<10000
Selenium	10	3.6	-0.300	<10
Silicon	200	2.2	anr	
Silver	10	.6	0.900	<10
Sodium	10000	14	-2.50	<10000
Strontium	10	.1		
Sulfur	50	3.7	anr	
Thallium	10	5.2	-1.20	<10
Tin	10	1.4		
Titanium	10	.8		
Tungsten	50	1.3		
Vanadium	50	.5	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			18:17	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zinc	20	.3	-0.600	<20
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55268 Units: ug/l

Time:		12:57	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39600	99.0
Antimony	2000	2040	102.0
Arsenic	2000	2050	102.5
Barium	2000	1980	99.0
Beryllium	2000	2020	101.0
Bismuth	anr		
Boron			
Cadmium	2000	2030	101.5
Calcium	40000	40200	100.5
Cerium			
Chromium	2000	2030	101.5
Cobalt	2000	2040	102.0
Copper	2000	1980	99.0
Iron	40000	39900	99.8
Lead	2000	2070	103.5
Lithium			
Magnesium	40000	39700	99.3
Manganese	2000	2050	102.5
Molybdenum	anr		
Nickel	2000	2070	103.5
Phosphorus			
Potassium	40000	39300	98.3
Selenium	2000	2040	102.0
Silicon	anr		
Silver	250	248	99.2
Sodium	40000	39100	97.8
Strontium			
Sulfur	anr		
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55268 Units: ug/l

Time:		12:57	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2080	104.0
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		12:46			13:54			14:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	41400	103.5	40000	40800	102.0
Antimony	2000	1970	98.5	2000	2180	109.0	2000	2100	105.0
Arsenic	2000	2000	100.0	2000	2190	109.5	2000	2100	105.0
Barium	2000	1960	98.0	2000	2040	102.0	2000	2020	101.0
Beryllium	2000	2050	102.5	2000	2100	105.0	2000	2070	103.5
Bismuth	anr								
Boron									
Cadmium	2000	1950	97.5	2000	2170	108.5	2000	2090	104.5
Calcium	40000	39900	99.8	40000	41700	104.3	40000	41100	102.8
Cerium									
Chromium	2000	1970	98.5	2000	2130	106.5	2000	2100	105.0
Cobalt	2000	1990	99.5	2000	2190	109.5	2000	2110	105.5
Copper	2000	1980	99.0	2000	2070	103.5	2000	2020	101.0
Iron	40000	39900	99.8	40000	40800	102.0	40000	40600	101.5
Lead	2000	2010	100.5	2000	2210	110.5*(a	2000	2120	106.0
Lithium									
Magnesium	40000	39000	97.5	40000	41200	103.0	40000	40700	101.8
Manganese	2000	2000	100.0	2000	2180	109.0	2000	2130	106.5
Molybdenum	anr								
Nickel	2000	2020	101.0	2000	2210	110.5*(a	2000	2130	106.5
Phosphorus									
Potassium	40000	39100	97.8	40000	40600	101.5	40000	40200	100.5
Selenium	2000	2010	100.5	2000	2180	109.0	2000	2100	105.0
Silicon	anr								
Silver	250	251	100.4	250	258	103.2	250	255	102.0
Sodium	40000	38800	97.0	40000	39900	99.8	40000	39800	99.5
Strontium									
Sulfur	anr								
Thallium	2000	2000	100.0	2000	2200	110.0	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1960	98.0	2000	2120	106.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		12:46			13:54			14:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2030	101.5	2000	2230	111.5*(a	2000	2140	107.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		14:18			15:18			16:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	38900	97.3	40000	38600	96.5
Antimony	2000	2010	100.5	2000	1920	96.0	2000	1930	96.5
Arsenic	2000	2020	101.0	2000	1940	97.0	2000	1930	96.5
Barium	2000	1960	98.0	2000	1920	96.0	2000	1900	95.0
Beryllium	2000	2020	101.0	2000	1970	98.5	2000	1940	97.0
Bismuth	anr								
Boron									
Cadmium	2000	2030	101.5	2000	1950	97.5	2000	1960	98.0
Calcium	40000	40000	100.0	40000	39000	97.5	40000	38300	95.8
Cerium									
Chromium	2000	2050	102.5	2000	2000	100.0	2000	1990	99.5
Cobalt	2000	2050	102.5	2000	1980	99.0	2000	1990	99.5
Copper	2000	1980	99.0	2000	1920	96.0	2000	1880	94.0
Iron	40000	39100	97.8	40000	38100	95.3	40000	37700	94.3
Lead	2000	2070	103.5	2000	1990	99.5	2000	1990	99.5
Lithium									
Magnesium	40000	39200	98.0	40000	38400	96.0	40000	37700	94.3
Manganese	2000	2080	104.0	2000	2050	102.5	2000	2050	102.5
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2000	100.0	2000	2000	100.0
Phosphorus									
Potassium	40000	38900	97.3	40000	38100	95.3	40000	37700	94.3
Selenium	2000	2020	101.0	2000	1940	97.0	2000	1940	97.0
Silicon	anr								
Silver	250	246	98.4	250	238	95.2	250	235	94.0
Sodium	40000	38200	95.5	40000	37400	93.5	40000	37000	92.5
Strontium									
Sulfur	anr								
Thallium	2000	2060	103.0	2000	2000	100.0	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2040	102.0	2000	1990	99.5	2000	1980	99.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		14:18			15:18			16:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2080	104.0	2000	2000	100.0	2000	2000	100.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		17:12			18:12	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	39200	98.0
Antimony	2000	1880	94.0	2000	1910	95.5
Arsenic	2000	1880	94.0	2000	1910	95.5
Barium	2000	1790	89.5*(a)	2000	1860	93.0
Beryllium	2000	1940	97.0	2000	1950	97.5
Bismuth	anr					
Boron						
Cadmium	2000	1900	95.0	2000	1960	98.0
Calcium	40000	38100	95.3	40000	37800	94.5
Cerium						
Chromium	2000	2010	100.5	2000	2010	100.5
Cobalt	2000	1940	97.0	2000	2010	100.5
Copper	2000	1880	94.0	2000	1860	93.0
Iron	40000	34100	85.3*(a)	40000	35700	89.3*(a)
Lead	2000	1950	97.5	2000	1980	99.0
Lithium						
Magnesium	40000	36100	90.3	40000	36800	92.0
Manganese	2000	2150	107.5	2000	2150	107.5
Molybdenum	anr					
Nickel	2000	1960	98.0	2000	2000	100.0
Phosphorus						
Potassium	40000	36000	90.0	40000	37200	93.0
Selenium	2000	1850	92.5	2000	1900	95.0
Silicon	anr					
Silver	250	228	91.2	250	233	93.2
Sodium	40000	33300	83.3*(a)	40000	35100	87.8*(a)
Strontium						
Sulfur	anr					
Thallium	2000	1930	96.5	2000	2030	101.5
Tin						
Titanium						
Tungsten						
Vanadium	2000	2040	102.0	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		17:12			18:12	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1970	98.5	2000	1970	98.5
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55268 Units: ug/l

Time:		13:29			13:34	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	300000	100.0
Antimony	8000	8050	100.6			
Arsenic	8000	8070	100.9			
Barium	8000	8040	100.5			
Beryllium	8000	8190	102.4			
Bismuth	anr					
Boron						
Cadmium	8000	8060	100.8			
Calcium				200000	201000	100.5
Cerium						
Chromium	8000	8350	104.4			
Cobalt	8000	8430	105.4			
Copper	8000	7930	99.1			
Iron				200000	197000	98.5
Lead	8000	8460	105.8			
Lithium						
Magnesium				300000	295000	98.3
Manganese	8000	8300	103.8			
Molybdenum	anr					
Nickel	8000	8450	105.6			
Phosphorus						
Potassium				200000	197000	98.5
Selenium	8000	8110	101.4			
Silicon	anr					
Silver	625	639	102.2			
Sodium				200000	191000	95.5
Strontium						
Sulfur	anr					
Thallium	8000	8280	103.5			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8250	103.1			

HIGH STANDARD CHECK SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55268 Units: ug/l

Time:		13:29			13:34	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8520	106.5			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55268 Units: ug/l

Time:				13:10		13:14	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	209	104.5	111	111.0
Antimony	6.0	20	3.0	5.70	95.0		
Arsenic	8.0	20	3.0	8.40	105.0	3.30	110.0
Barium	200		4.0	199	99.5	4.40	110.0
Beryllium	2.0		1.0	2.30	115.0	1.10	110.0
Bismuth	20			anr			
Boron	100		10				
Cadmium	3.0		1.0	3.20	106.7	1.00	100.0
Calcium	5000	2000	1000	5110	102.2	1070	107.0
Cerium							
Chromium	10		2.0	10.2	102.0	2.30	115.0
Cobalt	50		3.0	51.9	103.8	3.00	100.0
Copper	10		2.0	10.7	107.0		
Iron	100	500		102	102.0		
Lead	3.0	20	2.5	3.00	100.0		
Lithium	50						
Magnesium	5000	2000	100	5020	100.4	113	113.0
Manganese	15		3.0	15.8	105.3	3.30	110.0
Molybdenum	20			anr			
Nickel	10		4.0	10.8	108.0	4.30	107.5
Phosphorus	50						
Potassium	5000		2000	4910	98.2	2060	103.0
Selenium	10	20	5.0	8.60	86.0	4.80	96.0
Silicon	200			anr			
Silver	5.0		2.0	4.40	88.0		
Sodium	5000		1000	4800	96.0	1000	100.0
Strontium	10						
Sulfur	50			anr			
Thallium	10		2.0	9.30	93.0		
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	50.7	101.4	2.10	105.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55268 Units: ug/l

Time:				13:10		13:14	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	21.8	109.0	10.7	107.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55268 Units: ug/l

Time:			13:19		13:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	492000	98.4	498000	99.6
Antimony		1000	1.30		1050	105.0
Arsenic		1000	1.20		1050	105.0
Barium		500	-6.50		486	97.2
Beryllium		500	0.300		502	100.4
Bismuth		500	-0.100		539	107.8
Boron		500	-4.00		529	105.8
Cadmium		1000	2.60		1090	109.0
Calcium	400000	400000	385000	96.3	379000	94.8
Cerium			-23.4		6.40	
Chromium		500	1.00		489	97.8
Cobalt		500	0.500		496	99.2
Copper		500	5.30		530	106.0
Iron	200000	200000	180000	90.0	185000	92.5
Lead		1000	1.80		988	98.8
Lithium		500	-12.2		511	102.2
Magnesium	500000	500000	474000	94.8	483000	96.6
Manganese		500	-8.30		511	102.2
Molybdenum		500	-0.500		505	101.0
Nickel		1000	2.20		970	97.0
Phosphorus		500	20.9		549	109.8
Potassium			110		126	
Selenium		1000	-2.40		1030	103.0
Silicon		500	3.20		546	109.2
Silver		1000	1.20		969	96.9
Sodium			26.1		25.1	
Strontium		500	4.90		487	97.4
Sulfur		500	-21.7		491	98.2
Thallium		1000	-1.10		1010	101.0
Tin		500	-3.40		508	101.6
Titanium		500	-0.700		505	101.0
Tungsten		500	-1.50		506	101.2
Vanadium		500	-0.100		510	102.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55268 Units: ug/l

Time:			13:19		13:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	5.70		1010	101.0
Zirconium		500	0.600		476	95.2

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.92	8.1	3.4	<50
Antimony	2.0	.28	.41	0.060	<2.0
Arsenic	2.0	.26	.28	0.12	<2.0
Barium	20	.02	1.9	0.080	<20
Beryllium	0.20	.02	.08	0.020	<0.20
Bismuth	2.0	.25	.52		
Boron	10	.18	3.7		
Cadmium	0.50	.04	.07	0.020	<0.50
Calcium	500	1.3	21	32.1	<500
Chromium	1.0	.07	.37	0.090	<1.0
Cobalt	5.0	.06	.28	0.0	<5.0
Copper	2.5	.07	.84	0.31	<2.5
Iron	50	.33	19	11.6	<50
Lead	2.0	.2	.41	0.15	<2.0
Lithium	5.0	.15	.92		
Magnesium	500	2.5	14	2.2	<500
Manganese	1.5	.01	.41	0.24	<1.5
Molybdenum	2.0	.06	.32		
Nickel	4.0	.08	.35	0.070	<4.0
Phosphorus	20	.7	3.3		
Potassium	1000	3.5	32	-0.58	<1000
Selenium	2.0	.36	.65	-0.16	<2.0
Silicon	20	.22	11		
Silver	0.50	.06	.17	0.020	<0.50
Sodium	1000	1.4	78	9.3	<1000
Strontium	5.0	.01	.18		
Sulfur	10	.37	3.9		
Thallium	1.0	.52	.58	0.090	<1.0
Tin	20	.14	3.8		
Titanium	1.0	.08	.34		
Tungsten	5.0	.13	1.8		
Vanadium	5.0	.05	.19	0.030	<5.0
Zinc	5.0	.03	2.3	1.5	<5.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.05	.54		

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	JD78869-1 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	10200	13700	2700	129.7N(a	75-125
Antimony	0.47	126	216	58.1N(a)	75-125
Arsenic	9.1	213	216	94.4	75-125
Barium	82.8	300	216	100.6	75-125
Beryllium	0.80	195	216	89.9	75-125
Bismuth					
Boron					
Cadmium	3.8	210	216	95.5	75-125
Calcium	1440	4340	2700	107.4	75-125
Chromium	16.6	234	216	100.7	75-125
Cobalt	4.0	212	216	96.3	75-125
Copper	28.7	258	216	106.2	75-125
Iron	11500	13200	2700	63.0 (b)	75-125
Lead	128	367	216	110.7	75-125
Lithium					
Magnesium	2060	4520	2700	91.1	75-125
Manganese	304	565	216	120.9	75-125
Molybdenum					
Nickel	13.5	226	216	98.4	75-125
Potassium	558	3320	2700	102.3	75-125
Selenium	0.91	202	216	93.1	75-125
Silicon					
Silver	0.48	23.6	27	85.6	75-125
Sodium	76.5	2420	2700	86.8	75-125
Strontium					
Sulfur					
Thallium	0.0	211	216	97.7	75-125
Tin					
Titanium					
Tungsten					
Vanadium	32.9	249	216	100.1	75-125
Zinc	118	386	216	124.1	75-125

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

	JD78869-1	Spikelot		QC
Metal	Original MS	MPSPK2	% Rec	Limits

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	JD78869-1 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	10200	14900	2780	169.1N(a	8.4	20
Antimony	0.47	128	222	57.4N(a)	1.6	20
Arsenic	9.1	213	222	91.7	0.0	20
Barium	82.8	297	222	96.4	1.0	20
Beryllium	0.80	207	222	92.8	6.0	20
Bismuth						
Boron						
Cadmium	3.8	210	222	92.8	0.0	20
Calcium	1440	4740	2780	118.8	8.8	20
Chromium	16.6	232	222	96.9	0.9	20
Cobalt	4.0	213	222	94.0	0.5	20
Copper	28.7	256	222	102.2	0.8	20
Iron	11500	17400	2780	212.3(b)	27.5 (c)	20
Lead	128	314	222	83.7	15.6	20
Lithium						
Magnesium	2060	5000	2780	105.8	10.1	20
Manganese	304	542	222	107.1	4.2	20
Molybdenum						
Nickel	13.5	225	222	95.1	0.4	20
Potassium	558	3480	2780	105.1	4.7	20
Selenium	0.91	195	222	87.3	3.5	20
Silicon						
Silver	0.48	26.4	27.8	93.3	11.2	20
Sodium	76.5	2620	2780	91.5	7.9	20
Strontium						
Sulfur						
Thallium	0.0	207	222	93.1	1.9	20
Tin						
Titanium						
Tungsten						
Vanadium	32.9	246	222	95.9	1.2	20
Zinc	118	325	222	93.1	17.2	20

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

	JD78869-1	Spikelot		MSD	QC
Metal	Original MSD	MPSPK2	% Rec	RPD	Limit

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	2500	2500	100.0	80-120
Antimony	195	200	97.5	80-120
Arsenic	196	200	98.0	80-120
Barium	192	200	96.0	80-120
Beryllium	197	200	98.5	80-120
Bismuth				
Boron				
Cadmium	194	200	97.0	80-120
Calcium	2520	2500	100.8	80-120
Chromium	198	200	99.0	80-120
Cobalt	199	200	99.5	80-120
Copper	191	200	95.5	80-120
Iron	2470	2500	98.8	80-120
Lead	200	200	100.0	80-120
Lithium				
Magnesium	2460	2500	98.4	80-120
Manganese	202	200	101.0	80-120
Molybdenum				
Nickel	201	200	100.5	80-120
Phosphorus				
Potassium	2440	2500	97.6	80-120
Selenium	189	200	94.5	80-120
Silicon				
Silver	23.6	25	94.4	80-120
Sodium	2400	2500	96.0	80-120
Strontium				
Sulfur				
Thallium	200	200	100.0	80-120
Tin				
Titanium				
Tungsten				
Vanadium	196	200	98.0	80-120
Zinc	201	200	100.5	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/18/23

Metal	JD78869-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum	86100	88300	2.6	0-10
Antimony	4.00	0.00	100.0(a)	0-10
Arsenic	77.1	79.6	3.2	0-10
Barium	701	720	2.7	0-10
Beryllium	6.80	6.40	5.9	0-10
Bismuth				
Boron				
Cadmium	32.5	30.9	4.9	0-10
Calcium	12200	12600	3.2	0-10
Chromium	141	144	2.0	0-10
Cobalt	33.7	33.6	0.3	0-10
Copper	243	244	0.3	0-10
Iron	97500	102000	5.0	0-10
Lead	1090	1090	0.3	0-10
Lithium				
Magnesium	17500	18000	2.9	0-10
Manganese	2570	2630	2.4	0-10
Molybdenum				
Nickel	114	117	1.8	0-10
Phosphorus				
Potassium	4720	4860	2.9	0-10
Selenium	7.70	0.00	100.0(a)	0-10
Silicon				
Silver	4.10	6.40	56.1 (a)	0-10
Sodium	648	576	11.1 (a)	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	279	283	1.3	0-10
Zinc	1000	1020	1.6	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/18/23

Metal	JD78869-1 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43775
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/18/23

Metal	Sample ml	Final ml	JD78869-1 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Antimony	19.25	20	4	3.85	2036	0.2	200	2000	101.6	80-120

Associated samples MP43775: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43825
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/23

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0057	.015	0.010	<0.033

Associated samples MP43825: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43825
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/23

Metal	JD78884-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.22	0.91	0.544	126.9N(a	80-120

Associated samples MP43825: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43825
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/23

Metal	JD78884-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.22	0.88	0.613	107.6	3.4	20

Associated samples MP43825: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43825
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/19/23

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.33	0.333	99.0	80-120

Associated samples MP43825: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.034

The above applies to the following instrument runs:
MA55263

Instrument Detection Limits

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE3 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA55266

Instrument Detection Limits

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	9.2
Antimony	2.8
Arsenic	2.6
Barium	.2
Beryllium	.2
Bismuth	2.5
Boron	1.8
Cadmium	.4
Calcium	13
Chromium	.7
Cobalt	.6
Copper	.7
Iron	3.3
Lead	2
Lithium	1.5
Magnesium	24.8
Manganese	.1
Molybdenum	.6
Nickel	.8
Phosphorus	7
Potassium	34.5
Selenium	3.6
Silicon	2.2
Silver	.6
Sodium	13.9
Sulfur	3.7
Strontium	.1
Thallium	5.2
Tin	1.4
Titanium	.8
Tungsten	1.3
Vanadium	.5
Zinc	.3
Zirconium	.5

The above applies to the following instrument runs:
MA55268

Instrument Linear Ranges

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 02/26/18

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA55263

Instrument Linear Ranges

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE3 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55266

Instrument Linear Ranges

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55268

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP51096/GN49457	0.12	0.0	mg/kg	2.4	2.58	107.5	90-110%

Associated Samples:
Batch GP51096: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP51096/GN49457	JD78884-1	mg/kg	0.0	0.0	0.0	0-49%
Solids, Percent	GN49337	JD78884-1	%	47.4	47.6	0.4	0-10%

Associated Samples:
Batch GN49337: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12
Batch GP51096: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP51096/GN49457	JD78884-1	mg/kg	0.0	12.1	9.5	78.8	75-125%

Associated Samples:
Batch GP51096: JD78884-1, JD78884-2, JD78884-3, JD78884-4, JD78884-5, JD78884-6, JD78884-7, JD78884-8, JD78884-9, JD78884-10, JD78884-11, JD78884-12
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49457
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:08	GN49457-STD1	1		STDA
12:09	GN49457-STD2	1		STDB
12:10	GN49457-STD3	1		STDC
12:10	GN49457-STD4	1		STDD
12:11	GN49457-STD5	1		STDE
12:12	GN49457-STD6	1		STDF
12:13	GN49457-STD7	1		STDG
12:14	GN49457-ICV1	1		
12:15	GN49457-ICB1	1		
12:16	GN49457-CCV1	1		
12:17	GN49457-CCB1	1		
12:18	GP51128-MB1	1		
12:19	GP51128-B1	1		
12:20	GP51128-S1	1		
12:20	GP51128-S2	1		
12:21	GP51128-D1	1		
12:22	JD78989-1	1		(sample used for QC only; not part of login JD78884)
12:23	ZZZZZZ	1		
12:24	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:26	ZZZZZZ	1		
12:27	GN49457-CCV2	1		
12:28	GN49457-CCB2	1		
12:29	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:31	ZZZZZZ	1		
12:32	ZZZZZZ	1		
12:33	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:35	ZZZZZZ	1		
12:36	JD79037-3	1		(sample used for QC only; not part of login JD78884)
12:37	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49457
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:38	GN49457-CCV3	1		
12:39	GN49457-CCB3	1		
12:40	ZZZZZZ	1		
12:40	ZZZZZZ	1		
12:41	ZZZZZZ	1		
12:42	ZZZZZZ	1		
12:45	GN49457-CCV4	1		
12:46	GN49457-CCB4	1		
13:34	GN49457-CCV5	1		
13:35	GN49457-CCB5	1		
13:35	GP51127-MB1	1		
13:36	GP51127-B1	1		
13:37	GP51127-S1	1		
13:38	GP51127-S2	1		
13:39	GP51127-D1	1		
13:40	JD79048-1	1		(sample used for QC only; not part of login JD78884)
13:41	ZZZZZZ	1		
13:42	LA96278-1	1		(sample used for QC only; not part of login JD78884)
13:43	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:45	GN49457-CCV6	1		
13:45	GN49457-CCB6	1		
13:46	ZZZZZZ	1		
13:47	ZZZZZZ	1		
13:48	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:50	ZZZZZZ	1		
13:51	ZZZZZZ	1		
13:52	ZZZZZZ	1		
13:53	ZZZZZZ	1		
13:54	GP51095-MB1	1		
13:55	GP51095-B1	1		
13:56	GN49457-CCV7	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49457
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:57	GN49457-CCB7	1		
13:58	GP51095-S1	1		
13:58	GP51095-S2	1		
13:59	GP51095-D1	1		
14:00	JD78718-1	1		(sample used for QC only; not part of login JD78884)
14:01	ZZZZZZ	1		
14:02	ZZZZZZ	1		
14:03	ZZZZZZ	1		
14:04	ZZZZZZ	1		
14:05	ZZZZZZ	1		
14:06	ZZZZZZ	1		
14:07	GN49457-CCV8	1		
14:08	GN49457-CCB8	1		
14:09	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:10	JD78781-1	1		(sample used for QC only; not part of login JD78884)
14:11	ZZZZZZ	1		
14:12	ZZZZZZ	1		
14:13	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:15	GP51096-MB1	1		
14:16	GP51096-B1	1		
14:17	GP51096-S1	1		
14:18	GN49457-CCV9	1		
14:19	GN49457-CCB9	1		
14:19	GP51096-S2	1		
14:20	GP51096-D1	1		
14:21	JD78884-1	1		
14:22	JD78884-2	1		
14:23	JD78884-3	1		
14:24	JD78884-4	1		
14:25	JD78884-5	1		
14:26	JD78884-6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49457
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:27	JD78884-7	1		
14:28	JD78884-8	1		
14:29	GN49457-CCV10	1		
14:30	GN49457-CCB10	1		
14:31	JD78884-9	1		
14:31	JD78884-10	1		
14:32	JD78884-11	1		
14:33	JD78884-12	1		
14:34	JD78762-1	1		(sample used for QC only; not part of login JD78884)
14:35	ZZZZZZ	1		
14:36	ZZZZZZ	1		
14:37	GP51097-MB1	1		
14:38	GP51097-B1	1		
14:39	GP51097-S1	1		
14:40	GN49457-CCV11	1		
14:41	GN49457-CCB11	1		
14:42	GP51097-D1	1		
14:43	JD78770-3	1		(sample used for QC only; not part of login JD78884)
14:43	GP51130-MB1	1		
14:44	GP51130-B1	1		
14:45	GP51130-S1	1		
14:46	GP51130-S2	1		
14:47	GP51130-D1	1		
14:48	JD78697-1	1		(sample used for QC only; not part of login JD78884)
14:49	ZZZZZZ	1		
14:50	ZZZZZZ	1		
14:51	GN49457-CCV12	1		
14:52	GN49457-CCB12	1		
14:53	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:55	JD78924-1	1		(sample used for QC only; not part of login JD78884)
14:55	ZZZZZZ	1		
14:56	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49457
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:57	ZZZZZZ	1		
14:58	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:02	GN49457-CCV13	1		
15:03	GN49457-CCB13	1		
15:04	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:06	ZZZZZZ	1		
15:07	ZZZZZZ	1		
15:08	GP51129-MB1	1		
15:09	GP51129-B1	1		
15:10	GP51129-S1	1		
15:11	GP51129-D1	1		
15:12	JD78892-1	1		(sample used for QC only; not part of login JD78884)
15:13	GN49457-CCV14	1		
15:14	GN49457-CCB14	1		
15:15	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:17	ZZZZZZ	1		
15:24	GN49457-CCV15	1		
15:25	GN49457-CCB15	1		
16:54	GN49457-CCV16	1		
16:55	GN49457-CCB16	1		
16:56	GP51096-S2	7		
16:57	JD78762-1	7		(sample used for QC only; not part of login JD78884)
16:58	ZZZZZZ	9		
16:59	ZZZZZZ	6		
17:02	GN49457-CCV17	1		
17:03	GN49457-CCB17	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN49457 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN49457-ICV1	Cyanide	0.304	0.010	0.0041	.3	101.3	90-110
GN49457-ICB1	Cyanide	-0.0109 <	0.010	0.0041			
GN49457-CCV1	Cyanide	0.423	0.010	0.0041	.4	105.8	90-110
GN49457-CCB1	Cyanide	-0.0112 <	0.010	0.0041			
GN49457-CCV2	Cyanide	0.423	0.010	0.0041	.4	105.8	90-110
GN49457-CCB2	Cyanide	-0.0123 <	0.010	0.0041			
GN49457-CCV3	Cyanide	0.424	0.010	0.0041	.4	106.0	90-110
GN49457-CCB3	Cyanide	-0.0114 <	0.010	0.0041			
GN49457-CCV4	Cyanide	0.421	0.010	0.0041	.4	105.3	90-110
GN49457-CCB4	Cyanide	-0.00915	0.010	0.0041			
GN49457-CCV5	Cyanide	0.429	0.010	0.0041	.4	107.3	90-110
GN49457-CCB5	Cyanide	-0.0107 <	0.010	0.0041			
GN49457-CCV6	Cyanide	0.427	0.010	0.0041	.4	106.8	90-110
GN49457-CCB6	Cyanide	-0.0103 <	0.010	0.0041			
GN49457-CCV7	Cyanide	0.427	0.010	0.0041	.4	106.8	90-110
GN49457-CCB7	Cyanide	-0.00948	0.010	0.0041			
GN49457-CCV8	Cyanide	0.428	0.010	0.0041	.4	107.0	90-110
GN49457-CCB8	Cyanide	-0.00989	0.010	0.0041			
GN49457-CCV9	Cyanide	0.429	0.010	0.0041	.4	107.3	90-110
GN49457-CCB9	Cyanide	-0.00911	0.010	0.0041			
GN49457-CCV10	Cyanide	0.426	0.010	0.0041	.4	106.5	90-110
GN49457-CCB10	Cyanide	-0.00947	0.010	0.0041			
GN49457-CCV11	Cyanide	0.428	0.010	0.0041	.4	107.0	90-110
GN49457-CCB11	Cyanide	-0.0123 <	0.010	0.0041			
GN49457-CCV12	Cyanide	0.432	0.010	0.0041	.4	108.0	90-110
GN49457-CCB12	Cyanide	-0.0100	0.010	0.0041			
GN49457-CCV13	Cyanide	0.427	0.010	0.0041	.4	106.8	90-110
GN49457-CCB13	Cyanide	-0.0113 <	0.010	0.0041			
GN49457-CCV14	Cyanide	0.429	0.010	0.0041	.4	107.3	90-110
GN49457-CCB14	Cyanide	-0.0114 <	0.010	0.0041			
GN49457-CCV15	Cyanide	0.428	0.010	0.0041	.4	107.0	90-110
GN49457-CCB15	Cyanide	-0.0106 <	0.010	0.0041			
GN49457-CCV16	Cyanide	0.432	0.010	0.0041	.4	108.0	90-110
GN49457-CCB16	Cyanide	-0.0111 <	0.010	0.0041			

Instrument QC Summary
Inorganics Analyses

Login Number: JD78884
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D121923W1.CN Date Analyzed: 12/19/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN49457 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN49457-CCV17	Cyanide	0.434	0.010	0.0041	.4	108.5	90-110
GN49457-CCB17	Cyanide	-0.00980	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: JD78884-1 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB121 (9-9.5)

Wet Weight (Total)	38.17	g
Tare Weight	32.85	g
Dry Weight (Total)	35.37	g
Solids, Percent	47.4	%

Sample: JD78884-2 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB120 (3-3.5)

Wet Weight (Total)	31.35	g
Tare Weight	25.18	g
Dry Weight (Total)	30.26	g
Solids, Percent	82.3	%

Sample: JD78884-3 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB118 (5-5.5)

Wet Weight (Total)	29.21	g
Tare Weight	23.73	g
Dry Weight (Total)	28.3	g
Solids, Percent	83.4	%

Sample: JD78884-4 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB119 (8-8.5)

Wet Weight (Total)	37.44	g
Tare Weight	30.89	g
Dry Weight (Total)	36.17	g
Solids, Percent	80.6	%

Sample: JD78884-5 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB114 (4-4.5)

Wet Weight (Total)	35.35	g
Tare Weight	28.18	g
Dry Weight (Total)	34.12	g
Solids, Percent	82.8	%

Sample: JD78884-6 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB110 (4.5-5)

Wet Weight (Total)	37.26	g
Tare Weight	30.81	g
Dry Weight (Total)	35.87	g
Solids, Percent	78.4	%

Percent Solids Raw Data Summary

Job Number: JD78884
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: JD78884-7 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB109 (9.5-10)

Wet Weight (Total)	34.96	g
Tare Weight	28.39	g
Dry Weight (Total)	32.08	g
Solids, Percent	56.2	%

Sample: JD78884-8 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB113 (8.5-9)

Wet Weight (Total)	40.03	g
Tare Weight	34.1	g
Dry Weight (Total)	38.19	g
Solids, Percent	69	%

Sample: JD78884-9 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB103 (4.5-5)

Wet Weight (Total)	36.83	g
Tare Weight	28.44	g
Dry Weight (Total)	34.66	g
Solids, Percent	74.1	%

Sample: JD78884-10 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB104 (7-7.5)

Wet Weight (Total)	32.44	g
Tare Weight	26.21	g
Dry Weight (Total)	31.42	g
Solids, Percent	83.6	%

Sample: JD78884-11 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB105 (8-8.5)

Wet Weight (Total)	34.09	g
Tare Weight	28.21	g
Dry Weight (Total)	32.24	g
Solids, Percent	68.5	%

Sample: JD78884-12 **Analyzed:** 15-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB106 (5.5-6)

Wet Weight (Total)	36.13	g
Tare Weight	29.94	g
Dry Weight (Total)	35.17	g
Solids, Percent	84.5	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

99 Franklin Courts, Tarrytown, NY

12345; PO#Phase 8.1

SGS Job Number: JD79009

Sampling Date: 12/14/23

Report to:

SESI Consulting Engineers

ssg@sesi.org

ATTN: Steven Gustems

Total number of pages in report: **382**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Table of Contents

Sample Summary

SESI Consulting Engineers

Job No: JD79009

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#Phase 8.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD79009-1	12/14/23	11:00	MHM	12/15/23	SO	Soil	SB115(3.5-4)
JD79009-2	12/14/23	08:45	MHM	12/15/23	SO	Soil	SB117(9-9.5)
JD79009-3	12/14/23	03:00	MHM	12/15/23	SO	Soil	SB116(11-11.5)
JD79009-4	12/14/23	11:45	MHM	12/15/23	AQ	Ground Water	GW101
JD79009-5	12/14/23	00:00	MHM	12/15/23	AQ	Trip Blank Soil	TB2023/12/14

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No:**	JD79009
Site:	99 Franklin Courts, Tarrytown, NY	**Report Date**	1/5/2024 3:58:39 PM

On 12/15/2023, 3 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 0.5 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD79009 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VY8933

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD78993-2MS, JD78993-4DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Acetone are outside control limits. RPD acceptable due to low DUP and sample concentrations.
- JD79009-3: Storage temperature was outside the required conditions due to equipment failure.
- JD79009-2: Storage temperature was outside the required conditions due to equipment failure.
- JD79009-1: Storage temperature was outside the required conditions due to equipment failure.
- JD79009-3 for 1,2-Dichloropropane: Associated CCV outside of control limits high, sample was ND.
- JD79009-2 for 1,2-Dichloropropane: Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for 1,2-Dichloropropane: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51259

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JD78910-1MS, JD78910-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- OP51259-BSD for Hexachlorobutadiene: Analytical precision exceeds in-house control limits.
- OP51259-BSD for Benzo(g,h,i)perylene: Analytical precision exceeds in-house control limits.
- JD79009-3 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- OP51259-BS1 for 4-Chloroaniline: Outside control limits.
- OP51259-BSD for 4-Chloroaniline: Analytical precision exceeds in-house control limits.
- OP51259-BSD for Benzo(k)fluoranthene: Analytical precision exceeds in-house control limits.
- OP51259-BSD for Di-n-octyl phthalate: Analytical precision exceeds in-house control limits.
- JD79009-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79009-3 for Acenaphthylene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD79009-3 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD79009-3 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD79009-3 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD79009-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79009-3 for 2,2'-Oxybis(1-chloropropane): Associated CCV outside of control limits high, sample was ND.
- JD79009-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD79009-2 for Acenaphthylene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD79009-2 for Phenol: Associated CCV outside of control limits high, sample was ND.
- OP51259-BSD for 3-Nitroaniline: Analytical precision exceeds in-house control limits.
- JD79009-2 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- OP51259-BSD for Hexachloroethane: Analytical precision exceeds in-house control limits.
- JD79009-2 for 2,2'-Oxybis(1-chloropropane): Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for Phenol: Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for Acenaphthylene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD79009-1 for 2,2'-Oxybis(1-chloropropane): Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for bis(2-Chloroethyl)ether: Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.
- JD79009-2 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD79009-1 for Caprolactam: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP51269

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78854-3MS, JD78854-3MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate recovery(s) of Aldrin, beta-BHC, delta-BHC, Endosulfan sulfate, Endrin ketone, Methoxychlor are outside control limits. Outside control limits due to matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of 4,4'-DDD, 4,4'-DDT, Dieldrin, gamma-Chlordane, Heptachlor are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike (MS) recovery(s) of alpha-BHC 4,4'-DDD, 4,4'-DDT, Dieldrin, gamma-Chlordane, Heptachlor are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The RPD(s) for the MS and MSD recoveries of alpha-BHC, Endrin aldehyde are outside control limits. Analytical precision exceeds in-house control limits.
- JD79009-2 for alpha-BHC: More than 40 % RPD for detected concentrations between the two GC columns.
- OP51269-BS1 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD79009-3 for Tetrachloro-m-xylene: Outside of in house control limits.
- OP51269-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD79009-3 for Heptachlor epoxide: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-3 for alpha-Chlordane: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-1 for Methoxychlor: More than 40 % RPD for detected concentrations between the two GC columns.
- OP51269-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP51269-BS1 for Endrin aldehyde: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD79009-3 for gamma-Chlordane: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JD79009-3 for Dieldrin: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JD79009-3 for 4,4'-DDE: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JD79009-3 for Decachlorobiphenyl: Outside of in house control limits.
- JD79009-2 for 4,4'-DDE: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-1 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-2 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JD79009-2 for delta-BHC: Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-1 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JD79009-3 for delta-BHC: Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
- JD79009-2 for Decachlorobiphenyl: Outside of in house control limits.
- JD79009-1 for Decachlorobiphenyl: Outside of in house control limits.
- JD79009-1 for beta-BHC: More than 40 % RPD for detected concentrations between the two GC columns.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP51270

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79002-3MS, JD79002-3MSD, OP51270-MSMSD were used as the QC samples indicated.
- OP51270-BS1 for Aroclor 1260: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51270-BS1 for Aroclor 1016: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP43810

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79009-3MS, JD79009-3MSD, JD79009-3PS, JD79009-3SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Aluminum, Antimony, Iron, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The RPD(s) for the MS and MSD recoveries of Manganese are outside control limits. High rpd due to possible sample nonhomogeneity.
- The serial dilution RPD(s) for Arsenic, Beryllium, Cadmium, Copper, Selenium, Silver, Thallium are outside control limits. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JD79009-1 for Silver: Elevated detection limit due to dilution required for high interfering element.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP43850

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78781-1MSD, JD78781-1MS were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Mercury are outside control limits. Spike recovery indicates possible matrix interference.
- The matrix spike duplicate (MSD) recovery(s) of Mercury are outside control limits. Spike recovery indicates possible matrix interference.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN49387

- Sample(s) JD78736-1DUP were used as the QC samples for the Solids, Percent analysis.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD79009
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/14/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD79009-1	**SB115(3.5-4)**					
Acetone [a]		29.1	9.3	3.9	ug/kg	SW846 8260D
2-Butanone (MEK) [a]		6.5 J	9.3	2.3	ug/kg	SW846 8260D
Carbon disulfide [a]		0.57 J	1.9	0.50	ug/kg	SW846 8260D
Methylene chloride [a]		8.0	4.7	2.4	ug/kg	SW846 8260D
Trichloroethene [a]		1.2	0.93	0.71	ug/kg	SW846 8260D
Benzo(a)anthracene		24.6 J	39	11	ug/kg	SW846 8270E
Benzo(a)pyrene		32.8 J	39	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		42.2	39	17	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		26.5 J	39	19	ug/kg	SW846 8270E
Benzo(k)fluoranthene		22.0 J	39	18	ug/kg	SW846 8270E
Chrysene		30.0 J	39	12	ug/kg	SW846 8270E
Fluoranthene		43.1	39	17	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		29.6 J	39	18	ug/kg	SW846 8270E
Phenanthrene		16.7 J	39	13	ug/kg	SW846 8270E
Pyrene		46.7	39	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		820 J			ug/kg	
beta-BHC [b]		0.084 J	0.47	0.068	ug/kg	SW846 8081B
gamma-Chlordane		0.12 J	0.47	0.070	ug/kg	SW846 8081B
4,4'-DDD [b]		0.60	0.47	0.049	ug/kg	SW846 8081B
4,4'-DDE [b]		7.8	0.47	0.056	ug/kg	SW846 8081B
4,4'-DDT		0.48	0.47	0.082	ug/kg	SW846 8081B
Methoxychlor [b]		0.56	0.47	0.19	ug/kg	SW846 8081B
Aluminum		15000	57		mg/kg	SW846 6010D
Arsenic		3.3	2.3		mg/kg	SW846 6010D
Barium		82.3	23		mg/kg	SW846 6010D
Beryllium		0.54	0.23		mg/kg	SW846 6010D
Calcium		1890	570		mg/kg	SW846 6010D
Chromium		33.3	1.1		mg/kg	SW846 6010D
Cobalt		11.0	5.7		mg/kg	SW846 6010D
Copper		20.3	2.8		mg/kg	SW846 6010D
Iron		22000	57		mg/kg	SW846 6010D
Lead		20.4	2.3		mg/kg	SW846 6010D
Magnesium		5230	570		mg/kg	SW846 6010D
Manganese		315	1.7		mg/kg	SW846 6010D
Mercury		0.16	0.032		mg/kg	SW846 7471B
Nickel		27.5	4.6		mg/kg	SW846 6010D
Potassium		2280	1100		mg/kg	SW846 6010D
Silver [c]		1.4	1.1		mg/kg	SW846 6010D
Vanadium		38.6	5.7		mg/kg	SW846 6010D
Zinc		65.3	5.7		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD79009
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/14/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD79009-2	**SB117(9-9.5)**					
Acetone [a]		93.1	25	10	ug/kg	SW846 8260D
2-Butanone (MEK) [a]		22.6 J	25	6.1	ug/kg	SW846 8260D
Carbon disulfide [a]		4.8 J	5.1	1.4	ug/kg	SW846 8260D
Methylene chloride [a]		9.2 J	13	6.6	ug/kg	SW846 8260D
Benzo(a)anthracene		39.0 J	66	19	ug/kg	SW846 8270E
Benzo(a)pyrene		38.0 J	66	30	ug/kg	SW846 8270E
Benzo(b)fluoranthene		51.7 J	66	29	ug/kg	SW846 8270E
Benzaldehyde		39.8 J	330	16	ug/kg	SW846 8270E
Chrysene		29.5 J	66	21	ug/kg	SW846 8270E
Fluoranthene		54.5 J	66	29	ug/kg	SW846 8270E
Naphthalene		19.1 J	66	18	ug/kg	SW846 8270E
Phenanthrene		40.8 J	66	22	ug/kg	SW846 8270E
Pyrene		66.0	66	21	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		15670 J			ug/kg	
alpha-BHC [b]		0.090 J	0.73	0.084	ug/kg	SW846 8081B
delta-BHC [d]		0.83	0.73	0.11	ug/kg	SW846 8081B
4,4'-DDE [d]		0.33 J	0.73	0.088	ug/kg	SW846 8081B
4,4'-DDT [e]		0.23 J	0.73	0.13	ug/kg	SW846 8081B
Aluminum		25500	99		mg/kg	SW846 6010D
Arsenic		15.6	3.9		mg/kg	SW846 6010D
Barium		114	39		mg/kg	SW846 6010D
Beryllium		0.93	0.39		mg/kg	SW846 6010D
Calcium		7260	990		mg/kg	SW846 6010D
Chromium		51.9	2.0		mg/kg	SW846 6010D
Cobalt		16.3	9.9		mg/kg	SW846 6010D
Copper		47.3	4.9		mg/kg	SW846 6010D
Iron		38200	99		mg/kg	SW846 6010D
Lead		106	3.9		mg/kg	SW846 6010D
Magnesium		10700	990		mg/kg	SW846 6010D
Manganese		341	3.0		mg/kg	SW846 6010D
Mercury		0.27	0.060		mg/kg	SW846 7471B
Nickel		42.4	7.9		mg/kg	SW846 6010D
Potassium		4290	2000		mg/kg	SW846 6010D
Vanadium		58.0	9.9		mg/kg	SW846 6010D
Zinc		150	9.9		mg/kg	SW846 6010D
JD79009-3	**SB116(11-11.5)**					
Acetone [a]		8.9 J	9.7	4.0	ug/kg	SW846 8260D
Methylene chloride [a]		5.1	4.9	2.5	ug/kg	SW846 8260D
Benzo(a)anthracene		17.6 J	40	11	ug/kg	SW846 8270E
Benzo(a)pyrene		20.9 J	40	18	ug/kg	SW846 8270E
Benzo(b)fluoranthene		27.0 J	40	18	ug/kg	SW846 8270E

Summary of Hits

Job Number: JD79009
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/14/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chrysene		17.6 J	40	13	ug/kg	SW846 8270E
Fluoranthene		22.7 J	40	18	ug/kg	SW846 8270E
Pyrene		26.3 J	40	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		980 J			ug/kg	
delta-BHC [f]		0.10 J	0.45	0.067	ug/kg	SW846 8081B
alpha-Chlordane [d]		16.2	0.45	0.060	ug/kg	SW846 8081B
gamma-Chlordane [f]		9.3	0.45	0.067	ug/kg	SW846 8081B
Dieldrin [f]		5.6	0.45	0.071	ug/kg	SW846 8081B
4,4'-DDE [f]		0.23 J	0.45	0.054	ug/kg	SW846 8081B
4,4'-DDT		0.21 J	0.45	0.078	ug/kg	SW846 8081B
Heptachlor epoxide [d]		0.86	0.45	0.080	ug/kg	SW846 8081B
Aluminum		4150	57		mg/kg	SW846 6010D
Barium		26.4	23		mg/kg	SW846 6010D
Calcium		1000	570		mg/kg	SW846 6010D
Chromium		9.1	1.1		mg/kg	SW846 6010D
Copper		4.8	2.9		mg/kg	SW846 6010D
Iron		8160	57		mg/kg	SW846 6010D
Lead		3.7	2.3		mg/kg	SW846 6010D
Magnesium		1770	570		mg/kg	SW846 6010D
Manganese		92.4	1.7		mg/kg	SW846 6010D
Nickel		7.2	4.6		mg/kg	SW846 6010D
Vanadium		9.8	5.7		mg/kg	SW846 6010D
Zinc		19.1	5.7		mg/kg	SW846 6010D

(a) Storage temperature was outside the required conditions due to equipment failure.
(b) More than 40 % RPD for detected concentrations between the two GC columns.
(c) Elevated detection limit due to dilution required for high interfering element.
(d) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
(e) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
(f) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y205628.D	1	12/18/23 18:28	PS	12/16/23 06:00	n/a	VY8933
Run #2							

	Initial Weight
Run #1	6.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	29.1	9.3	3.9	ug/kg	
71-43-2	Benzene	ND	0.47	0.43	ug/kg	
74-97-5	Bromochloromethane	ND	4.7	0.52	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.40	ug/kg	
75-25-2	Bromoform	ND	4.7	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.7	0.71	ug/kg	
78-93-3	2-Butanone (MEK)	6.5	9.3	2.3	ug/kg	J
75-15-0	Carbon disulfide	0.57	1.9	0.50	ug/kg	J
56-23-5	Carbon tetrachloride	ND	1.9	0.58	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.43	ug/kg	
75-00-3	Chloroethane	ND	4.7	0.55	ug/kg	
67-66-3	Chloroform	ND	1.9	0.49	ug/kg	
74-87-3	Chloromethane	ND	4.7	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.61	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.65	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.52	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.93	0.39	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.93	0.51	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.93	0.46	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.93	0.46	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.7	0.68	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.93	0.46	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.93	0.44	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.93	0.61	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.93	0.78	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.93	0.57	ug/kg	
78-87-5	1,2-Dichloropropane [b]	ND	1.9	0.44	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.43	ug/kg	
100-41-4	Ethylbenzene	ND	0.93	0.42	ug/kg	
76-13-1	Freon 113	ND	4.7	2.5	ug/kg	
591-78-6	2-Hexanone [b]	ND	4.7	2.0	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.7	1.3	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.82	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.93	0.44	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.7	2.1	ug/kg	
75-09-2	Methylene chloride	8.0	4.7	2.4	ug/kg	
100-42-5	Styrene	ND	1.9	0.38	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.56	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.54	ug/kg	
108-88-3	Toluene	ND	0.93	0.49	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.7	2.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.7	2.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.45	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.52	ug/kg	
79-01-6	Trichloroethene	1.2	0.93	0.71	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.7	0.64	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.45	ug/kg	
	m,p-Xylene	ND	0.93	0.84	ug/kg	
95-47-6	o-Xylene	ND	0.93	0.43	ug/kg	
1330-20-7	Xylene (total)	ND	0.93	0.43	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		80-124%
17060-07-0	1,2-Dichloroethane-D4	107%		75-133%
2037-26-5	Toluene-D8	100%		79-125%
460-00-4	4-Bromofluorobenzene	95%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	.88	19	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Storage temperature was outside the required conditions due to equipment failure.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M192862.D	1	12/20/23 14:28	AO	12/19/23 17:00	OP51259	EM8363
Run #2							

	Initial Weight	Final Volume
Run #1	30.7 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	190	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	190	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	190	69	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	190	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	190	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	190	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol [a]	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	190	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	190	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	190	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene [b]	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	190	8.4	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	24.6	39	11	ug/kg	J
50-32-8	Benzo(a)pyrene	32.8	39	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	42.2	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	26.5	39	19	ug/kg	J
207-08-9	Benzo(k)fluoranthene	22.0	39	18	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	5.3	ug/kg	
100-52-7	Benzaldehyde	ND	190	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	190	14	ug/kg	
86-74-8	Carbazole	ND	78	5.6	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	78	15	ug/kg	
218-01-9	Chrysene	30.0	39	12	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.3	ug/kg	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane) [a]	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	32	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	6.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	78	9.1	ug/kg	
206-44-0	Fluoranthene	43.1	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	190	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	29.6	39	18	ug/kg	J
78-59-1	Isophorone	ND	78	8.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.8	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	190	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	190	9.7	ug/kg	
100-01-6	4-Nitroaniline	ND	190	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	190	14	ug/kg	
85-01-8	Phenanthrene	16.7	39	13	ug/kg	J
129-00-0	Pyrene	46.7	39	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	190	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	39%		10-96%
118-79-6	2,4,6-Tribromophenol	34%		10-123%
4165-60-0	Nitrobenzene-d5	36%		10-109%
321-60-8	2-Fluorobiphenyl	35%		11-109%
1718-51-0	Terphenyl-d14	40%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
13798-23-7	Sulfur	8.42	180	ug/kg	JN
10544-50-0	Cyclic octaatomic sulfur	13.01	480	ug/kg	JN
	Unknown	17.36	160	ug/kg	J
	Total TIC, Semi-Volatile		820	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB115(3.5-4)		
Lab Sample ID:	JD79009-1	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	83.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9734664.D	1	12/20/23 04:30	CP	12/19/23 14:30	OP51269	G4G4201
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.091	ug/kg	
319-84-6	alpha-BHC	ND	0.47	0.054	ug/kg	
319-85-7	beta-BHC [a]	0.084	0.47	0.068	ug/kg	J
319-86-8	delta-BHC	ND	0.47	0.070	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.082	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.47	0.063	ug/kg	
5103-74-2	gamma-Chlordane	0.12	0.47	0.070	ug/kg	J
60-57-1	Dieldrin	ND	0.47	0.075	ug/kg	
72-54-8	4,4'-DDD [a]	0.60	0.47	0.049	ug/kg	
72-55-9	4,4'-DDE [a]	7.8	0.47	0.056	ug/kg	
50-29-3	4,4'-DDT	0.48	0.47	0.082	ug/kg	
72-20-8	Endrin	ND	0.47	0.068	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.47	0.056	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.47	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.47	0.063	ug/kg	
33213-65-9	Endosulfan-II	ND	0.47	0.066	ug/kg	
76-44-8	Heptachlor	ND	0.47	0.061	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.47	0.084	ug/kg	
72-43-5	Methoxychlor [a]	0.56	0.47	0.19	ug/kg	
53494-70-5	Endrin ketone	ND	0.47	0.075	ug/kg	
8001-35-2	Toxaphene	ND	5.9	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	72%		66-150%
877-09-8	Tetrachloro-m-xylene	116%		66-150%
2051-24-3	Decachlorobiphenyl	69%		40-150%
2051-24-3	Decachlorobiphenyl	311% [b]		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Method: SW846 8082A SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL10827.D	1	12/20/23 17:30	MLC	12/19/23 14:30	OP51270	GRL244
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	23	10	ug/kg	
11104-28-2	Aroclor 1221	ND	23	7.9	ug/kg	
11141-16-5	Aroclor 1232	ND	23	19	ug/kg	
53469-21-9	Aroclor 1242	ND	23	14	ug/kg	
12672-29-6	Aroclor 1248	ND	23	5.1	ug/kg	
11097-69-1	Aroclor 1254	ND	23	2.5	ug/kg	
11096-82-5	Aroclor 1260	ND	23	8.1	ug/kg	
11100-14-4	Aroclor 1268	ND	23	2.4	ug/kg	
37324-23-5	Aroclor 1262	ND	23	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	82%		42-159%
877-09-8	Tetrachloro-m-xylene	102%		42-159%
2051-24-3	Decachlorobiphenyl	103%		18-154%
2051-24-3	Decachlorobiphenyl	107%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB115(3.5-4)
Lab Sample ID: JD79009-1
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 83.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	15000	57	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Antimony	< 2.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Arsenic	3.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Barium	82.3	23	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Beryllium	0.54	0.23	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Cadmium	< 0.57	0.57	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Calcium	1890	570	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Chromium	33.3	1.1	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Cobalt	11.0	5.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Copper	20.3	2.8	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Iron	22000	57	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Lead	20.4	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Magnesium	5230	570	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Manganese	315	1.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Mercury	0.16	0.032	mg/kg	1	12/20/23	12/20/23	LM	SW846 7471B [2]	SW846 7471B [6]
Nickel	27.5	4.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Potassium	2280	1100	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Selenium	< 2.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Silver [a]	1.4	1.1	mg/kg	2	12/18/23	12/21/23	ND	SW846 6010D [4]	SW846 3050B [5]
Sodium	< 1100	1100	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Thallium	< 1.1	1.1	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]
Vanadium	38.6	5.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [5]
Zinc	65.3	5.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [5]

(1) Instrument QC Batch: MA55268
(2) Instrument QC Batch: MA55270
(3) Instrument QC Batch: MA55273
(4) Instrument QC Batch: MA55275
(5) Prep QC Batch: MP43810
(6) Prep QC Batch: MP43850

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB117(9-9.5)
Lab Sample ID: JD79009-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 50.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y205629.D	1	12/18/23 18:50	PS	12/16/23 06:00	n/a	VY8933
Run #2							

	Initial Weight
Run #1	3.9 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	93.1	25	10	ug/kg	
71-43-2	Benzene	ND	1.3	1.2	ug/kg	
74-97-5	Bromochloromethane	ND	13	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.1	1.1	ug/kg	
75-25-2	Bromoform	ND	13	3.4	ug/kg	
74-83-9	Bromomethane	ND	13	1.9	ug/kg	
78-93-3	2-Butanone (MEK)	22.6	25	6.1	ug/kg	J
75-15-0	Carbon disulfide	4.8	5.1	1.4	ug/kg	J
56-23-5	Carbon tetrachloride	ND	5.1	1.6	ug/kg	
108-90-7	Chlorobenzene	ND	5.1	1.2	ug/kg	
75-00-3	Chloroethane	ND	13	1.5	ug/kg	
67-66-3	Chloroform	ND	5.1	1.3	ug/kg	
74-87-3	Chloromethane	ND	13	5.0	ug/kg	
110-82-7	Cyclohexane	ND	5.1	1.7	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.1	1.8	ug/kg	
124-48-1	Dibromochloromethane	ND	5.1	1.4	ug/kg	
106-93-4	1,2-Dibromoethane	ND	2.5	1.1	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	2.5	1.4	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	2.5	1.3	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	2.5	1.2	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	13	1.8	ug/kg	
75-34-3	1,1-Dichloroethane	ND	2.5	1.3	ug/kg	
107-06-2	1,2-Dichloroethane	ND	2.5	1.2	ug/kg	
75-35-4	1,1-Dichloroethene	ND	2.5	1.7	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	2.5	2.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	1.5	ug/kg	
78-87-5	1,2-Dichloropropane [b]	ND	5.1	1.2	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.1	1.2	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.1	1.2	ug/kg	
100-41-4	Ethylbenzene	ND	2.5	1.1	ug/kg	
76-13-1	Freon 113	ND	13	6.8	ug/kg	
591-78-6	2-Hexanone [b]	ND	13	5.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB117(9-9.5)
Lab Sample ID: JD79009-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 50.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.1	3.6	ug/kg	
79-20-9	Methyl Acetate	ND	13	3.5	ug/kg	
108-87-2	Methylcyclohexane	ND	5.1	2.2	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	2.5	1.2	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	13	5.7	ug/kg	
75-09-2	Methylene chloride	9.2	13	6.6	ug/kg	J
100-42-5	Styrene	ND	5.1	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.1	1.5	ug/kg	
127-18-4	Tetrachloroethene	ND	5.1	1.5	ug/kg	
108-88-3	Toluene	ND	2.5	1.3	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	13	6.3	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	13	6.3	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.1	1.2	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.1	1.4	ug/kg	
79-01-6	Trichloroethene	ND	2.5	1.9	ug/kg	
75-69-4	Trichlorofluoromethane	ND	13	1.7	ug/kg	
75-01-4	Vinyl chloride	ND	5.1	1.2	ug/kg	
	m,p-Xylene	ND	2.5	2.3	ug/kg	
95-47-6	o-Xylene	ND	2.5	1.2	ug/kg	
1330-20-7	Xylene (total)	ND	2.5	1.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		80-124%
17060-07-0	1,2-Dichloroethane-D4	108%		75-133%
2037-26-5	Toluene-D8	101%		79-125%
460-00-4	4-Bromofluorobenzene	101%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	.87	53	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Storage temperature was outside the required conditions due to equipment failure.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB117(9-9.5)
Lab Sample ID: JD79009-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 50.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M192863.D	1	12/20/23 14:59	AO	12/19/23 17:00	OP51259	EM8363
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	130	32	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	330	40	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	330	56	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	330	120	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	330	250	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	70	ug/kg	
95-48-7	2-Methylphenol	ND	130	42	ug/kg	
	3&4-Methylphenol	ND	130	54	ug/kg	
88-75-5	2-Nitrophenol	ND	330	43	ug/kg	
100-02-7	4-Nitrophenol	ND	660	170	ug/kg	
87-86-5	Pentachlorophenol	ND	260	62	ug/kg	
108-95-2	Phenol [a]	ND	130	34	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	330	43	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	330	49	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	330	39	ug/kg	
83-32-9	Acenaphthene	ND	66	23	ug/kg	
208-96-8	Acenaphthylene [b]	ND	66	33	ug/kg	
98-86-2	Acetophenone	ND	330	14	ug/kg	
120-12-7	Anthracene	ND	66	40	ug/kg	
1912-24-9	Atrazine	ND	130	28	ug/kg	
56-55-3	Benzo(a)anthracene	39.0	66	19	ug/kg	J
50-32-8	Benzo(a)pyrene	38.0	66	30	ug/kg	J
205-99-2	Benzo(b)fluoranthene	51.7	66	29	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	66	33	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	66	31	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	130	25	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	130	16	ug/kg	
92-52-4	1,1'-Biphenyl	ND	130	9.0	ug/kg	
100-52-7	Benzaldehyde	39.8	330	16	ug/kg	J
91-58-7	2-Chloronaphthalene	ND	130	16	ug/kg	
106-47-8	4-Chloroaniline	ND	330	24	ug/kg	
86-74-8	Carbazole	ND	130	9.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB117(9-9.5)
Lab Sample ID: JD79009-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 50.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	130	26	ug/kg	
218-01-9	Chrysene	29.5	66	21	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	130	14	ug/kg	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	130	28	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane) [a]	ND	130	24	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	130	21	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	66	20	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	66	33	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	130	55	ug/kg	
123-91-1	1,4-Dioxane	ND	66	43	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	66	29	ug/kg	
132-64-9	Dibenzofuran	ND	130	27	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	130	11	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	130	16	ug/kg	
84-66-2	Diethyl phthalate	ND	130	14	ug/kg	
131-11-3	Dimethyl phthalate	ND	130	12	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	130	15	ug/kg	
206-44-0	Fluoranthene	54.5	66	29	ug/kg	J
86-73-7	Fluorene	ND	66	30	ug/kg	
118-74-1	Hexachlorobenzene	ND	130	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	66	26	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	660	26	ug/kg	
67-72-1	Hexachloroethane	ND	330	32	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	31	ug/kg	
78-59-1	Isophorone	ND	130	14	ug/kg	
91-57-6	2-Methylnaphthalene	ND	66	15	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	330	15	ug/kg	
99-09-2	3-Nitroaniline	ND	330	16	ug/kg	
100-01-6	4-Nitroaniline	ND	330	17	ug/kg	
91-20-3	Naphthalene	19.1	66	18	ug/kg	J
98-95-3	Nitrobenzene	ND	130	25	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	130	19	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	330	24	ug/kg	
85-01-8	Phenanthrene	40.8	66	22	ug/kg	J
129-00-0	Pyrene	66.0	66	21	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	330	17	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	54%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB117(9-9.5)		
Lab Sample ID:	JD79009-2	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	50.7
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		10-96%
118-79-6	2,4,6-Tribromophenol	60%		10-123%
4165-60-0	Nitrobenzene-d5	59%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	68%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.02	420	ug/kg	J
	Unknown	4.11	610	ug/kg	J
	Unknown	4.38	420	ug/kg	J
	Unknown	4.78	350	ug/kg	J
	Unknown	15.39	950	ug/kg	J
	Unknown	15.92	640	ug/kg	J
	Unknown	16.71	660	ug/kg	J
	Unknown	17.10	780	ug/kg	J
	Unknown	17.20	510	ug/kg	J
	Unknown	17.94	810	ug/kg	J
	Unknown	19.09	580	ug/kg	J
	Alkane	19.38	460	ug/kg	J
	Unknown	19.43	910	ug/kg	J
	Unknown	20.03	330	ug/kg	J
	Unknown	20.23	680	ug/kg	J
	Unknown	20.34	340	ug/kg	J
	Unknown	20.66	410	ug/kg	J
	Unknown	20.80	1400	ug/kg	J
	Unknown	20.92	940	ug/kg	J
	Unknown	21.05	1200	ug/kg	J
	Unknown	21.18	410	ug/kg	J
	Unknown	21.50	920	ug/kg	J
	Unknown	21.72	300	ug/kg	JN
	Unknown	22.30	280	ug/kg	J
	Unknown	22.74	360	ug/kg	J
	Total TIC, Semi-Volatile		15670	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB117(9-9.5)		
Lab Sample ID:	JD79009-2	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	50.7
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9734665.D	1	12/20/23 04:50	CP	12/19/23 14:30	OP51269	G4G4201
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.73	0.14	ug/kg	
319-84-6	alpha-BHC [a]	0.090	0.73	0.084	ug/kg	J
319-85-7	beta-BHC	ND	0.73	0.11	ug/kg	
319-86-8	delta-BHC [b]	0.83	0.73	0.11	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.73	0.13	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.73	0.099	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.73	0.11	ug/kg	
60-57-1	Dieldrin	ND	0.73	0.12	ug/kg	
72-54-8	4,4'-DDD	ND	0.73	0.077	ug/kg	
72-55-9	4,4'-DDE [b]	0.33	0.73	0.088	ug/kg	J
50-29-3	4,4'-DDT [c]	0.23	0.73	0.13	ug/kg	J
72-20-8	Endrin	ND	0.73	0.11	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.73	0.088	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.73	0.21	ug/kg	
959-98-8	Endosulfan-I	ND	0.73	0.099	ug/kg	
33213-65-9	Endosulfan-II	ND	0.73	0.10	ug/kg	
76-44-8	Heptachlor	ND	0.73	0.095	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.73	0.13	ug/kg	
72-43-5	Methoxychlor	ND	0.73	0.29	ug/kg	
53494-70-5	Endrin ketone	ND	0.73	0.12	ug/kg	
8001-35-2	Toxaphene	ND	9.1	6.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	138%		66-150%
877-09-8	Tetrachloro-m-xylene	130%		66-150%
2051-24-3	Decachlorobiphenyl	109%		40-150%
2051-24-3	Decachlorobiphenyl	226% [d]		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB117(9-9.5)		
Lab Sample ID:	JD79009-2	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	50.7
Project:	99 Franklin Courts, Tarrytown, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
(d) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB117(9-9.5)		
Lab Sample ID:	JD79009-2	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	50.7
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL10828.D	1	12/20/23 17:46	MLC	12/19/23 14:30	OP51270	GRL244
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	37	16	ug/kg	
11104-28-2	Aroclor 1221	ND	37	12	ug/kg	
11141-16-5	Aroclor 1232	ND	37	30	ug/kg	
53469-21-9	Aroclor 1242	ND	37	22	ug/kg	
12672-29-6	Aroclor 1248	ND	37	7.9	ug/kg	
11097-69-1	Aroclor 1254	ND	37	3.9	ug/kg	
11096-82-5	Aroclor 1260	ND	37	13	ug/kg	
11100-14-4	Aroclor 1268	ND	37	3.7	ug/kg	
37324-23-5	Aroclor 1262	ND	37	3.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	73%		42-159%
877-09-8	Tetrachloro-m-xylene	92%		42-159%
2051-24-3	Decachlorobiphenyl	81%		18-154%
2051-24-3	Decachlorobiphenyl	86%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB117(9-9.5)
Lab Sample ID: JD79009-2
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 50.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	25500	99	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Antimony	< 3.9	3.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	15.6	3.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	114	39	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Beryllium	0.93	0.39	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.99	0.99	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Calcium	7260	990	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	51.9	2.0	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt	16.3	9.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Copper	47.3	4.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	38200	99	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	106	3.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Magnesium	10700	990	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	341	3.0	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Mercury	0.27	0.060	mg/kg	1	12/20/23	12/20/23	LM	SW846 7471B [2]	SW846 7471B [5]
Nickel	42.4	7.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Potassium	4290	2000	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 3.9	3.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.99	0.99	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 2000	2000	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Thallium	< 2.0	2.0	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Vanadium	58.0	9.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	150	9.9	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA55268
(2) Instrument QC Batch: MA55270
(3) Instrument QC Batch: MA55273
(4) Prep QC Batch: MP43810
(5) Prep QC Batch: MP43850

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	Y205630.D	1	12/18/23 19:12	PS	12/16/23 06:00	n/a	VY8933
Run #2							

	Initial Weight
Run #1	6.2 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	8.9	9.7	4.0	ug/kg	J
71-43-2	Benzene	ND	0.49	0.44	ug/kg	
74-97-5	Bromochloromethane	ND	4.9	0.54	ug/kg	
75-27-4	Bromodichloromethane	ND	1.9	0.42	ug/kg	
75-25-2	Bromoform	ND	4.9	1.3	ug/kg	
74-83-9	Bromomethane	ND	4.9	0.74	ug/kg	
78-93-3	2-Butanone (MEK)	ND	9.7	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	1.9	0.52	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.9	0.60	ug/kg	
108-90-7	Chlorobenzene	ND	1.9	0.45	ug/kg	
75-00-3	Chloroethane	ND	4.9	0.57	ug/kg	
67-66-3	Chloroform	ND	1.9	0.50	ug/kg	
74-87-3	Chloromethane	ND	4.9	1.9	ug/kg	
110-82-7	Cyclohexane	ND	1.9	0.64	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.9	0.68	ug/kg	
124-48-1	Dibromochloromethane	ND	1.9	0.54	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.97	0.41	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.97	0.53	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.97	0.48	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.97	0.48	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.9	0.71	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.97	0.48	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.97	0.46	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.97	0.64	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.97	0.82	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.97	0.59	ug/kg	
78-87-5	1,2-Dichloropropane [b]	ND	1.9	0.46	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.9	0.46	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.9	0.44	ug/kg	
100-41-4	Ethylbenzene	ND	0.97	0.44	ug/kg	
76-13-1	Freon 113	ND	4.9	2.6	ug/kg	
591-78-6	2-Hexanone [b]	ND	4.9	2.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.9	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	4.9	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	1.9	0.85	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.97	0.46	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.9	2.2	ug/kg	
75-09-2	Methylene chloride	5.1	4.9	2.5	ug/kg	
100-42-5	Styrene	ND	1.9	0.39	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.9	0.58	ug/kg	
127-18-4	Tetrachloroethene	ND	1.9	0.56	ug/kg	
108-88-3	Toluene	ND	0.97	0.51	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.9	2.4	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	2.4	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.9	0.47	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.9	0.54	ug/kg	
79-01-6	Trichloroethene	ND	0.97	0.74	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.9	0.67	ug/kg	
75-01-4	Vinyl chloride	ND	1.9	0.47	ug/kg	
	m,p-Xylene	ND	0.97	0.87	ug/kg	
95-47-6	o-Xylene	ND	0.97	0.45	ug/kg	
1330-20-7	Xylene (total)	ND	0.97	0.45	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-124%
17060-07-0	1,2-Dichloroethane-D4	105%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	98%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	.87	21	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Storage temperature was outside the required conditions due to equipment failure.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M192864.D	1	12/20/23 15:29	AO	12/19/23 17:00	OP51259	EM8363
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	80	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	34	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	71	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	43	ug/kg	
95-48-7	2-Methylphenol	ND	80	26	ug/kg	
	3&4-Methylphenol	ND	80	33	ug/kg	
88-75-5	2-Nitrophenol	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	400	110	ug/kg	
87-86-5	Pentachlorophenol	ND	160	38	ug/kg	
108-95-2	Phenol [a]	ND	80	21	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	30	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	24	ug/kg	
83-32-9	Acenaphthene	ND	40	14	ug/kg	
208-96-8	Acenaphthylene [b]	ND	40	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.6	ug/kg	
120-12-7	Anthracene	ND	40	24	ug/kg	
1912-24-9	Atrazine	ND	80	17	ug/kg	
56-55-3	Benzo(a)anthracene	17.6	40	11	ug/kg	J
50-32-8	Benzo(a)pyrene	20.9	40	18	ug/kg	J
205-99-2	Benzo(b)fluoranthene	27.0	40	18	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	40	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	40	19	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	80	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	80	9.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	80	5.5	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.9	ug/kg	
91-58-7	2-Chloronaphthalene	ND	80	9.5	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	80	5.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	80	16	ug/kg	
218-01-9	Chrysene	17.6	40	13	ug/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	80	8.5	ug/kg	
111-44-4	bis(2-Chloroethyl)ether [a]	ND	80	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane) [a]	ND	80	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	80	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	40	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	40	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	80	33	ug/kg	
123-91-1	1,4-Dioxane	ND	40	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	40	18	ug/kg	
132-64-9	Dibenzofuran	ND	80	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	80	6.5	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	80	9.9	ug/kg	
84-66-2	Diethyl phthalate	ND	80	8.5	ug/kg	
131-11-3	Dimethyl phthalate	ND	80	7.1	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	80	9.3	ug/kg	
206-44-0	Fluoranthene	22.7	40	18	ug/kg	J
86-73-7	Fluorene	ND	40	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	80	10	ug/kg	
87-68-3	Hexachlorobutadiene	ND	40	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene [b]	ND	400	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	20	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	40	19	ug/kg	
78-59-1	Isophorone	ND	80	8.5	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	9.0	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	200	9.4	ug/kg	
99-09-2	3-Nitroaniline	ND	200	10	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	40	11	ug/kg	
98-95-3	Nitrobenzene	ND	80	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	80	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	15	ug/kg	
85-01-8	Phenanthrene	ND	40	13	ug/kg	
129-00-0	Pyrene	26.3	40	13	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	59%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB116(11-11.5)		
Lab Sample ID:	JD79009-3	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	82.9
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	72%		10-96%
118-79-6	2,4,6-Tribromophenol	70%		10-123%
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	64%		11-109%
1718-51-0	Terphenyl-d14	82%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.11	820	ug/kg	J
	Unknown	17.37	160	ug/kg	J
	Total TIC, Semi-Volatile		980	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Method: SW846 8081B SW846 3570
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G9734666.D	1	12/20/23 05:10	CP	12/19/23 14:30	OP51269	G4G4201
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.45	0.087	ug/kg	
319-84-6	alpha-BHC	ND	0.45	0.051	ug/kg	
319-85-7	beta-BHC	ND	0.45	0.065	ug/kg	
319-86-8	delta-BHC [a]	0.10	0.45	0.067	ug/kg	J
58-89-9	gamma-BHC (Lindane)	ND	0.45	0.078	ug/kg	
5103-71-9	alpha-Chlordane [b]	16.2	0.45	0.060	ug/kg	
5103-74-2	gamma-Chlordane [a]	9.3	0.45	0.067	ug/kg	
60-57-1	Dieldrin [a]	5.6	0.45	0.071	ug/kg	
72-54-8	4,4'-DDD	ND	0.45	0.047	ug/kg	
72-55-9	4,4'-DDE [a]	0.23	0.45	0.054	ug/kg	J
50-29-3	4,4'-DDT	0.21	0.45	0.078	ug/kg	J
72-20-8	Endrin	ND	0.45	0.065	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.45	0.054	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.45	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.45	0.060	ug/kg	
33213-65-9	Endosulfan-II	ND	0.45	0.063	ug/kg	
76-44-8	Heptachlor	ND	0.45	0.058	ug/kg	
1024-57-3	Heptachlor epoxide [b]	0.86	0.45	0.080	ug/kg	
72-43-5	Methoxychlor	ND	0.45	0.18	ug/kg	
53494-70-5	Endrin ketone	ND	0.45	0.071	ug/kg	
8001-35-2	Toxaphene	ND	5.6	3.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	161% [c]		66-150%
877-09-8	Tetrachloro-m-xylene	165% [c]		66-150%
2051-24-3	Decachlorobiphenyl	165% [c]		40-150%
2051-24-3	Decachlorobiphenyl	189% [c]		40-150%

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(b) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB116(11-11.5)		
Lab Sample ID:	JD79009-3	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	82.9
Project:	99 Franklin Courts, Tarrytown, NY		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(c) Outside of in house control limits.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB116(11-11.5)		
Lab Sample ID:	JD79009-3	**Date Sampled:**	12/14/23
Matrix:	SO - Soil	**Date Received:**	12/15/23
Method:	SW846 8082A SW846 3546	**Percent Solids:**	82.9
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL10829.D	1	12/20/23 18:03	MLC	12/19/23 14:30	OP51270	GRL244
Run #2							

	Initial Weight	Final Volume
Run #1	5.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	9.5	ug/kg	
11104-28-2	Aroclor 1221	ND	22	7.5	ug/kg	
11141-16-5	Aroclor 1232	ND	22	19	ug/kg	
53469-21-9	Aroclor 1242	ND	22	13	ug/kg	
12672-29-6	Aroclor 1248	ND	22	4.8	ug/kg	
11097-69-1	Aroclor 1254	ND	22	2.4	ug/kg	
11096-82-5	Aroclor 1260	ND	22	7.7	ug/kg	
11100-14-4	Aroclor 1268	ND	22	2.3	ug/kg	
37324-23-5	Aroclor 1262	ND	22	1.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		42-159%
877-09-8	Tetrachloro-m-xylene	107%		42-159%
2051-24-3	Decachlorobiphenyl	109%		18-154%
2051-24-3	Decachlorobiphenyl	115%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB116(11-11.5)
Lab Sample ID: JD79009-3
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: 82.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4150	57	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Antimony	< 2.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Arsenic	< 2.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Barium	26.4	23	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Beryllium	< 0.23	0.23	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cadmium	< 0.57	0.57	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Calcium	1000	570	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Chromium	9.1	1.1	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Cobalt	< 5.7	5.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Copper	4.8	2.9	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Iron	8160	57	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Lead	3.7	2.3	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Magnesium	1770	570	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Manganese	92.4	1.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Mercury	< 0.038	0.038	mg/kg	1	12/20/23	12/20/23	LM	SW846 7471B [2]	SW846 7471B [5]
Nickel	7.2	4.6	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]
Potassium	< 1100	1100	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Selenium	< 2.3	2.3	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Silver	< 0.57	0.57	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Sodium	< 1100	1100	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Thallium	< 1.1	1.1	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Vanadium	9.8	5.7	mg/kg	1	12/18/23	12/20/23	ND	SW846 6010D [3]	SW846 3050B [4]
Zinc	19.1	5.7	mg/kg	1	12/18/23	12/19/23	ND	SW846 6010D [1]	SW846 3050B [4]

(1) Instrument QC Batch: MA55268
(2) Instrument QC Batch: MA55270
(3) Instrument QC Batch: MA55273
(4) Prep QC Batch: MP43810
(5) Prep QC Batch: MP43850

RL = Reporting Limit

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

SGS

SO
SLL
AQ TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

Page 1 of 1

FED-EX Tracking #:
Bottle Order Control #: Prem-hr-121323-129
SGS Quote #:
SGS Job #: JD79009

Client / Reporting Information

Company Name: SESI
Street Address: 959 US 46
City: PARSIPPANY State: NJ Zip:
Project Contact: STEVE GUSTEMS E-mail: ssg@sesi.org
Phone #: 973-808-9050
Sampler(s) Name(s): MELISSA MAYFIELD Phone #:

Project Information

Project Name: FRANKLIN COURTS
Street: " "
City: TARRYTOWN State: NY
Project #: 12345
Client Purchase Order #: Phase 8.1
Project Manager: STEVE GUSTEMS

Billing Information (if different from Report to)
Company Name: CLIENT
Street Address:
City: State: Zip:
Attention:

Analyses: TCL +30 / TAL (-cyanide); VOCs; PFAS (1633)

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	TCL +30 / TAL (-cyanide)	VOCs	PFAS (1633)
1	SB115 (3.5-4)		12/14/23	11:00	MHM	G	N	SOIL	4					✓			✓	✓		
2	SB117 (9-9.5)		↓	8:45	MHM	G	N	SOIL	4					✓			✓	✓		
	~~SV101~~ M.M.																			
3	SB116 (11-11.5')			3:00	MHM	G	N	SOIL	4					✓			✓	✓		
4	GW101	•			MHM				12	✓ ✓		✓		✓				✓		✓
5	TB2023/12/14		↓		MHM														✓	

pH Check (Lab Use Only)

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

LAB USE ONLY

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [ ] 10 Business Days
- [x] 5 Business Days — 1 week
- [ ] 3 Business Days*
- [ ] 2 Business Days* — SESI Standard
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Initial Assessment 3AEW
Label Verification

Comments / Special Instructions
• 4x250ml NP EXT
SGS courier

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by	Date / Time	Received By	Relinquished By	Date / Time	Received By
1 [signature]	12/15/23	1 TC 12/15/23 9:21	2 TC	12/15/23 15:29	2 J Gaming
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☒ Cooler Temp. °C: 5.0°C

See Sample Receipt Summary

IR40

EHSA-QAC-0023-05 Rev.Date:8/5/22

5.1
5

JD79009: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD79009 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, NY

Date / Time Received: 12/15/2023 6:29:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (0.5);

Cooler Temps (Corrected) °C: Cooler 1: (0.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments -4 No collection time on COC. Time on labels is 11:45. Please confirm.

Responded to by: Kelly Ramos

Response Date: 12/18

Please proceed with time on label

JD79009: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD79009

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#Phase 8.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD79009-1 Collected: 14-DEC-23 11:00 By: MHM Received: 15-DEC-23 By: JW SB115(3.5-4)						
JD79009-1	SM2540 G 18TH ED MOD	17-DEC-23 16:00	MK			SOL104
JD79009-1	SW846 8260D	18-DEC-23 18:28	PS			V8260TCL20+
JD79009-1	SW846 6010D	19-DEC-23 18:37	ND	18-DEC-23	SS	AL,CD,CO,NI,PB,TL,ZN
JD79009-1	SW846 8081B	20-DEC-23 04:30	CP	19-DEC-23	AB	P8081PESTTCL
JD79009-1	SW846 6010D	20-DEC-23 08:57	ND	18-DEC-23	SS	AS,BA,BE,CA,CR,CU,FE,K,MG,MN,NA,SB,SE,V
JD79009-1	SW846 8270E	20-DEC-23 14:28	AO	19-DEC-23	TG	AB8270TCL20+
JD79009-1	SW846 8082A	20-DEC-23 17:30	MLC	19-DEC-23	AB	P8082PCB11AO
JD79009-1	SW846 7471B	20-DEC-23 17:57	LM	20-DEC-23	LM	HG
JD79009-1	SW846 6010D	21-DEC-23 05:52	ND	18-DEC-23	SS	AG
JD79009-2 Collected: 14-DEC-23 08:45 By: MHM Received: 15-DEC-23 By: JW SB117(9-9.5)						
JD79009-2	SM2540 G 18TH ED MOD	17-DEC-23 16:00	MK			SOL104
JD79009-2	SW846 8260D	18-DEC-23 18:50	PS			V8260TCL20+
JD79009-2	SW846 6010D	19-DEC-23 18:42	ND	18-DEC-23	SS	AL,CD,CO,NI,PB,TL,ZN
JD79009-2	SW846 8081B	20-DEC-23 04:50	CP	19-DEC-23	AB	P8081PESTTCL
JD79009-2	SW846 6010D	20-DEC-23 09:03	ND	18-DEC-23	SS	AG,AS,BA,BE,CA,CR,CU,FE,K,MG,MN,NA,SB,SE,V
JD79009-2	SW846 8270E	20-DEC-23 14:59	AO	19-DEC-23	TG	AB8270TCL20+
JD79009-2	SW846 8082A	20-DEC-23 17:46	MLC	19-DEC-23	AB	P8082PCB11AO
JD79009-2	SW846 7471B	20-DEC-23 17:59	LM	20-DEC-23	LM	HG
JD79009-3 Collected: 14-DEC-23 03:00 By: MHM Received: 15-DEC-23 By: JW SB116(11-11.5)						
JD79009-3	SM2540 G 18TH ED MOD	17-DEC-23 16:00	MK			SOL104
JD79009-3	SW846 8260D	18-DEC-23 19:12	PS			V8260TCL20+
JD79009-3	SW846 6010D	19-DEC-23 18:22	ND	18-DEC-23	SS	AL,CD,CO,NI,PB,ZN
JD79009-3	SW846 8081B	20-DEC-23 05:10	CP	19-DEC-23	AB	P8081PESTTCL
JD79009-3	SW846 6010D	20-DEC-23 08:43	ND	18-DEC-23	SS	AG,AS,BA,BE,CA,CR,CU,FE,K,MG,MN,NA,SB,SE,TL,V
JD79009-3	SW846 8270E	20-DEC-23 15:29	AO	19-DEC-23	TG	AB8270TCL20+
JD79009-3	SW846 7471B	20-DEC-23 18:01	LM	20-DEC-23	LM	HG
JD79009-3	SW846 8082A	20-DEC-23 18:03	MLC	19-DEC-23	AB	P8082PCB11AO

SGS Internal Chain of Custody

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/15/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79009-1.1	Secured Storage	Todd Shoemaker	12/18/23 08:48	Retrieve from Storage
JD79009-1.1	Todd Shoemaker	Secured Staging Area	12/18/23 08:48	Return to Storage
JD79009-1.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 06:20	Retrieve from Storage
JD79009-1.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD79009-1.1	Secured Storage	Dave Hunkele	12/20/23 05:45	Retrieve from Storage
JD79009-1.1	Dave Hunkele	Secured Staging Area	12/20/23 05:46	Return to Storage
JD79009-1.1	Secured Staging Area	Lauren Matthews	12/20/23 11:00	Retrieve from Storage
JD79009-1.1	Lauren Matthews	Secured Storage	12/20/23 13:30	Return to Storage
JD79009-1.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:33	Extract from JD79009-1.1
JD79009-1.1.1	Organics Prep	Kevin Brefo	12/19/23 20:45	Extract from JD79009-1.1
JD79009-1.1.1	Kevin Brefo	Extract Storage	12/19/23 20:45	Return to Storage
JD79009-1.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:52	Extract from JD79009-1.1
JD79009-1.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD79009-1.1
JD79009-1.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD79009-1.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:53	Extract from JD79009-1.1
JD79009-1.1.3	Organics Prep	Amin Bhavin	12/19/23 19:53	Extract from JD79009-1.1
JD79009-1.1.3	Amin Bhavin	Extract Storage	12/19/23 19:53	Return to Storage
JD79009-1.2	Secured Storage	Naomi Baxter	12/16/23 06:47	Retrieve from Storage
JD79009-1.2	Naomi Baxter		12/16/23 06:47	Depleted
JD79009-1.3	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-1.4	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-1.4	Secured Storage	Prashant Shukla	12/18/23 16:21	Retrieve from Storage
JD79009-1.4	Prashant Shukla	GCMSY	12/18/23 16:21	Load on Instrument
JD79009-1.4	GCMSY	Prashant Shukla	12/19/23 12:21	Unload from Instrument
JD79009-1.4	Prashant Shukla		12/19/23 12:21	Depleted
JD79009-1.5	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-2.1	Secured Storage	Todd Shoemaker	12/18/23 08:48	Retrieve from Storage
JD79009-2.1	Todd Shoemaker	Secured Staging Area	12/18/23 08:48	Return to Storage
JD79009-2.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 06:36	Retrieve from Storage
JD79009-2.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD79009-2.1	Secured Storage	Dave Hunkele	12/20/23 05:45	Retrieve from Storage
JD79009-2.1	Dave Hunkele	Secured Staging Area	12/20/23 05:46	Return to Storage
JD79009-2.1	Secured Staging Area	Lauren Matthews	12/20/23 11:00	Retrieve from Storage
JD79009-2.1	Lauren Matthews	Secured Storage	12/20/23 13:30	Return to Storage
JD79009-2.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:36	Extract from JD79009-2.1

SGS Internal Chain of Custody

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/15/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79009-2.1.1	Organics Prep	Kevin Brefo	12/19/23 20:45	Extract from JD79009-2.1
JD79009-2.1.1	Kevin Brefo	Extract Storage	12/19/23 20:45	Return to Storage
JD79009-2.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:52	Extract from JD79009-2.1
JD79009-2.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD79009-2.1
JD79009-2.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage
JD79009-2.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:53	Extract from JD79009-2.1
JD79009-2.1.3	Organics Prep	Amin Bhavin	12/19/23 19:53	Extract from JD79009-2.1
JD79009-2.1.3	Amin Bhavin	Extract Storage	12/19/23 19:53	Return to Storage
JD79009-2.1.4	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:55	Extract from JD79009-2.1
JD79009-2.1.4	Organics Prep	Kevin Brefo	12/19/23 20:45	Extract from JD79009-2.1
JD79009-2.1.4	Kevin Brefo	Extract Storage	12/19/23 20:45	Return to Storage
JD79009-2.2	Secured Storage	Naomi Baxter	12/16/23 06:47	Retrieve from Storage
JD79009-2.2	Naomi Baxter		12/16/23 06:47	Depleted
JD79009-2.3	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-2.4	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-2.4	Secured Storage	Prashant Shukla	12/18/23 16:21	Retrieve from Storage
JD79009-2.4	Prashant Shukla	GCMSY	12/18/23 16:21	Load on Instrument
JD79009-2.4	GCMSY	Prashant Shukla	12/19/23 12:21	Unload from Instrument
JD79009-2.4	Prashant Shukla		12/19/23 12:21	Depleted
JD79009-2.5	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-3.1	Secured Storage	Todd Shoemaker	12/18/23 08:48	Retrieve from Storage
JD79009-3.1	Todd Shoemaker	Secured Staging Area	12/18/23 08:48	Return to Storage
JD79009-3.1	Secured Staging Area	Giovanni Lopezhernandez	12/19/23 06:20	Retrieve from Storage
JD79009-3.1	Giovanni Lopezhernandez	Secured Storage	12/19/23 17:15	Return to Storage
JD79009-3.1	Secured Storage	Dave Hunkele	12/20/23 05:45	Retrieve from Storage
JD79009-3.1	Dave Hunkele	Secured Staging Area	12/20/23 05:46	Return to Storage
JD79009-3.1	Secured Staging Area	Lauren Matthews	12/20/23 11:00	Retrieve from Storage
JD79009-3.1	Lauren Matthews	Secured Storage	12/20/23 13:30	Return to Storage
JD79009-3.1.1	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:33	Extract from JD79009-3.1
JD79009-3.1.1	Organics Prep	Kevin Brefo	12/19/23 20:45	Extract from JD79009-3.1
JD79009-3.1.1	Kevin Brefo	Extract Storage	12/19/23 20:45	Return to Storage
JD79009-3.1.2	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:52	Extract from JD79009-3.1
JD79009-3.1.2	Organics Prep	Amin Bhavin	12/19/23 19:54	Extract from JD79009-3.1
JD79009-3.1.2	Amin Bhavin	Extract Storage	12/19/23 19:54	Return to Storage

SGS Internal Chain of Custody

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/15/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79009-3.1.3	Giovanni Lopezhernandez	Organics Prep	12/19/23 06:53	Extract from JD79009-3.1
JD79009-3.1.3	Organics Prep	Amin Bhavin	12/19/23 19:53	Extract from JD79009-3.1
JD79009-3.1.3	Amin Bhavin	Extract Storage	12/19/23 19:53	Return to Storage
JD79009-3.2	Secured Storage	Naomi Baxter	12/16/23 06:47	Retrieve from Storage
JD79009-3.2	Naomi Baxter		12/16/23 06:47	Depleted
JD79009-3.3	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-3.4	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-3.4	Secured Storage	Prashant Shukla	12/18/23 16:21	Retrieve from Storage
JD79009-3.4	Prashant Shukla	GCMSY	12/18/23 16:21	Load on Instrument
JD79009-3.4	GCMSY	Prashant Shukla	12/19/23 12:21	Unload from Instrument
JD79009-3.4	Prashant Shukla		12/19/23 12:21	Depleted
JD79009-3.5	Naomi Baxter	Secured Storage	12/16/23 06:49	Return to Storage
JD79009-4.10	Suresh Patel	Secured Storage	12/15/23 23:29	Return to Storage
JD79009-4.11	Suresh Patel	Secured Storage	12/15/23 23:29	Return to Storage
JD79009-4.12	Suresh Patel	Secured Storage	12/15/23 23:29	Return to Storage
JD79009-5.1	Suresh Patel	Secured Storage	12/15/23 23:29	Return to Storage
JD79009-5.2	Suresh Patel	Secured Storage	12/15/23 23:29	Return to Storage

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY8933-MB	Y205618.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY8933-MB	Y205618.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	80-124%
17060-07-0	1,2-Dichloroethane-D4	103%	75-133%
2037-26-5	Toluene-D8	98%	79-125%
460-00-4	4-Bromofluorobenzene	97%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.86	29	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY8933-BS	Y205616.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	216	108	52-156
71-43-2	Benzene	50	48.9	98	82-119
74-97-5	Bromochloromethane	50	53.9	108	82-123
75-27-4	Bromodichloromethane	50	51.4	103	83-121
75-25-2	Bromoform	50	48.5	97	74-138
74-83-9	Bromomethane	50	48.9	98	56-150
78-93-3	2-Butanone (MEK)	200	188	94	72-138
75-15-0	Carbon disulfide	50	51.0	102	67-131
56-23-5	Carbon tetrachloride	50	54.4	109	72-130
108-90-7	Chlorobenzene	50	47.9	96	83-114
75-00-3	Chloroethane	50	55.0	110	67-141
67-66-3	Chloroform	50	45.5	91	76-115
74-87-3	Chloromethane	50	52.9	106	57-141
110-82-7	Cyclohexane	50	46.9	94	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	49.8	100	72-131
124-48-1	Dibromochloromethane	50	52.5	105	80-128
106-93-4	1,2-Dibromoethane	50	53.5	107	58-145
95-50-1	1,2-Dichlorobenzene	50	47.6	95	83-117
541-73-1	1,3-Dichlorobenzene	50	45.2	90	82-114
106-46-7	1,4-Dichlorobenzene	50	47.2	94	79-114
75-71-8	Dichlorodifluoromethane	50	46.4	93	49-146
75-34-3	1,1-Dichloroethane	50	57.3	115	76-126
107-06-2	1,2-Dichloroethane	50	52.1	104	76-118
75-35-4	1,1-Dichloroethene	50	50.0	100	72-125
156-59-2	cis-1,2-Dichloroethene	50	50.3	101	80-118
156-60-5	trans-1,2-Dichloroethene	50	51.2	102	76-122
78-87-5	1,2-Dichloropropane	50	59.4	119	82-123
10061-01-5	cis-1,3-Dichloropropene	50	53.0	106	83-123
10061-02-6	trans-1,3-Dichloropropene	50	52.8	106	83-123
100-41-4	Ethylbenzene	50	45.5	91	83-115
76-13-1	Freon 113	50	53.9	108	65-132
591-78-6	2-Hexanone	200	230	115	73-138
98-82-8	Isopropylbenzene	50	46.9	94	81-122
79-20-9	Methyl Acetate	50	54.2	108	63-142
108-87-2	Methylcyclohexane	50	51.7	103	73-126
1634-04-4	Methyl Tert Butyl Ether	50	53.6	107	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VY8933-BS	Y205616.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	209	105	71-138
75-09-2	Methylene chloride	50	43.7	87	73-122
100-42-5	Styrene	50	47.5	95	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	50.8	102	75-127
127-18-4	Tetrachloroethene	50	49.4	99	73-125
108-88-3	Toluene	50	50.5	101	82-118
87-61-6	1,2,3-Trichlorobenzene	50	49.2	98	68-132
120-82-1	1,2,4-Trichlorobenzene	50	49.5	99	72-133
71-55-6	1,1,1-Trichloroethane	50	51.5	103	77-124
79-00-5	1,1,2-Trichloroethane	50	53.4	107	83-122
79-01-6	Trichloroethene	50	53.0	106	80-122
75-69-4	Trichlorofluoromethane	50	46.0	92	69-132
75-01-4	Vinyl chloride	50	54.9	110	60-144
	m,p-Xylene	100	92.7	93	82-119
95-47-6	o-Xylene	50	45.6	91	84-120
1330-20-7	Xylene (total)	150	138	92	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	75-133%
2037-26-5	Toluene-D8	98%	79-125%
460-00-4	4-Bromofluorobenzene	97%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78993-2MS	Y205625.D	1	12/18/23	PS	n/a	n/a	VY8933
JD78993-2	Y205619.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78993-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		286	219	77	10-170
71-43-2	Benzene	ND		71.4	64.9	91	61-132
74-97-5	Bromochloromethane	ND		71.4	71.2	100	68-126
75-27-4	Bromodichloromethane	ND		71.4	67.9	95	65-129
75-25-2	Bromoform	ND		71.4	60.9	85	52-136
74-83-9	Bromomethane	ND		71.4	59.2	83	23-158
78-93-3	2-Butanone (MEK)	ND		286	220	77	45-142
75-15-0	Carbon disulfide	ND		71.4	62.1	87	50-140
56-23-5	Carbon tetrachloride	ND		71.4	68.7	96	54-139
108-90-7	Chlorobenzene	ND		71.4	57.3	80	57-127
75-00-3	Chloroethane	ND		71.4	65.6	92	30-157
67-66-3	Chloroform	ND		71.4	60.2	84	59-127
74-87-3	Chloromethane	ND		71.4	72.5	102	49-145
110-82-7	Cyclohexane	ND		71.4	58.3	82	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		71.4	59.0	83	35-140
124-48-1	Dibromochloromethane	ND		71.4	67.1	94	63-129
106-93-4	1,2-Dibromoethane	ND		71.4	68.9	96	45-141
95-50-1	1,2-Dichlorobenzene	ND		71.4	51.1	72	38-136
541-73-1	1,3-Dichlorobenzene	ND		71.4	49.0	69	37-135
106-46-7	1,4-Dichlorobenzene	ND		71.4	49.6	69	36-134
75-71-8	Dichlorodifluoromethane	ND		71.4	59.7	84	33-152
75-34-3	1,1-Dichloroethane	ND		71.4	77.3	108	68-131
107-06-2	1,2-Dichloroethane	ND		71.4	70.4	99	64-119
75-35-4	1,1-Dichloroethene	ND		71.4	63.5	89	60-133
156-59-2	cis-1,2-Dichloroethene	ND		71.4	68.5	96	58-133
156-60-5	trans-1,2-Dichloroethene	ND		71.4	66.2	93	62-130
78-87-5	1,2-Dichloropropane	ND		71.4	80.6	113	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		71.4	68.2	96	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		71.4	66.8	94	61-127
100-41-4	Ethylbenzene	ND		71.4	56.5	79	51-133
76-13-1	Freon 113	ND		71.4	64.0	90	46-138
591-78-6	2-Hexanone	ND		286	280	98	45-144
98-82-8	Isopropylbenzene	ND		71.4	56.9	80	44-142
79-20-9	Methyl Acetate	ND		71.4	111	155	14-192
108-87-2	Methylcyclohexane	ND		71.4	59.1	83	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		71.4	78.8	110	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78993-2MS	Y205625.D	1	12/18/23	PS	n/a	n/a	VY8933
JD78993-2	Y205619.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78993-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		286	276	97	50-138
75-09-2	Methylene chloride	6.0	J	71.4	63.0	80	63-127
100-42-5	Styrene	ND		71.4	54.7	77	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		71.4	64.8	91	44-135
127-18-4	Tetrachloroethene	ND		71.4	60.8	85	38-146
108-88-3	Toluene	ND		71.4	63.9	89	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		71.4	39.4	55	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		71.4	41.1	58	10-158
71-55-6	1,1,1-Trichloroethane	ND		71.4	66.2	93	61-134
79-00-5	1,1,2-Trichloroethane	ND		71.4	71.4	100	62-133
79-01-6	Trichloroethene	1.1	J	71.4	65.9	91	52-144
75-69-4	Trichlorofluoromethane	ND		71.4	56.0	78	50-141
75-01-4	Vinyl chloride	ND		71.4	74.8	105	48-151
	m,p-Xylene	ND		143	114	80	51-135
95-47-6	o-Xylene	ND		71.4	57.8	81	52-137
1330-20-7	Xylene (total)	ND		214	172	80	50-138

CAS No.	Surrogate Recoveries	MS	JD78993-2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	80-124%
17060-07-0	1,2-Dichloroethane-D4	94%	106%	75-133%
2037-26-5	Toluene-D8	100%	101%	79-125%
460-00-4	4-Bromofluorobenzene	98%	103%	58-148%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78993-4DUP	Y205627.D	1	12/18/23	PS	n/a	n/a	VY8933
JD78993-4	Y205620.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78993-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	6.5	J	ND		200* [a]	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78993-4DUP	Y205627.D	1	12/18/23	PS	n/a	n/a	VY8933
JD78993-4	Y205620.D	1	12/18/23	PS	n/a	n/a	VY8933

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78993-4 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JD78993-4	Limits
1868-53-7	Dibromofluoromethane	104%	107%	80-124%
17060-07-0	1,2-Dichloroethane-D4	107%	111%	75-133%
2037-26-5	Toluene-D8	99%	98%	79-125%
460-00-4	4-Bromofluorobenzene	96%	98%	58-148%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-BFB
Lab File ID: Y205168.D
Instrument ID: GCMSY
Injection Date: 11/29/23
Injection Time: 12:45

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	31760	23.4		Pass
75	30.0 - 60.0% of mass 95	65277	48.2		Pass
95	Base peak, 100% relative abundance	135517	100.0		Pass
96	5.0 - 9.0% of mass 95	8969	6.62		Pass
173	Less than 2.0% of mass 174	247	0.18	(0.23) [a]	Pass
174	50.0 - 120.0% of mass 95	105885	78.1		Pass
175	5.0 - 9.0% of mass 174	8102	5.98	(7.65) [a]	Pass
176	95.0 - 101.0% of mass 174	102109	75.3	(96.4) [a]	Pass
177	5.0 - 9.0% of mass 176	6983	5.15	(6.84) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VY8915-IC8915	Y205169.D	11/29/23	13:36	00:51	Initial cal 0.2
VY8915-IC8915	Y205170.D	11/29/23	13:58	01:13	Initial cal 0.5
VY8915-IC8915	Y205171.D	11/29/23	14:20	01:35	Initial cal 1
VY8915-IC8915	Y205172.D	11/29/23	14:41	01:56	Initial cal 2
VY8915-IC8915	Y205173.D	11/29/23	15:03	02:18	Initial cal 4
VY8915-IC8915	Y205174.D	11/29/23	15:25	02:40	Initial cal 8
VY8915-IC8915	Y205175.D	11/29/23	15:47	03:02	Initial cal 20
VY8915-ICC8915	Y205176.D	11/29/23	16:09	03:24	Initial cal 50
VY8915-IC8915	Y205177.D	11/29/23	16:31	03:46	Initial cal 100
VY8915-IC8915	Y205178.D	11/29/23	16:53	04:08	Initial cal 200
VY8915-ICV8915	Y205181.D	11/29/23	17:58	05:13	Initial cal verification 50
VY8915-ICV8915	Y205182.D	11/29/23	18:20	05:35	Initial cal verification 50

Internal Standard Area Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: VY8933-CC8915 **Injection Date:** 12/18/23
Lab File ID: Y205615.D **Injection Time:** 13:14
Instrument ID: GCMSY **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	192297	1.93	327525	3.05	643148	3.61	542148	6.06	306362	7.94
Upper Limit [a]	384594	2.43	655050	3.55	1286296	4.11	1084296	6.56	612724	8.44
Lower Limit [b]	96149	1.43	163763	2.55	321574	3.11	271074	5.56	153181	7.44

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VY8933-BS	186423	1.92	330136	3.05	659672	3.61	555172	6.06	313733	7.94
VY8933-MB	160533	1.92	338297	3.05	591134	3.61	545819	6.06	324098	7.94
JD78993-2	156311	1.92	333226	3.05	592852	3.61	518841	6.06	296255	7.94
JD78993-4	207818	1.93	343404	3.05	616432	3.61	553000	6.06	338257	7.94
ZZZZZZ	154925	1.93	344050	3.05	611793	3.62	538698	6.06	319156	7.94
ZZZZZZ	174958	1.92	336379	3.05	605690	3.61	546158	6.06	335692	7.94
ZZZZZZ	205550	1.92	336856	3.05	621687	3.61	553091	6.06	337091	7.94
ZZZZZZ	161896	1.93	344147	3.05	623673	3.61	548955	6.06	335216	7.94
JD78993-2MS	166644	1.93	333019	3.05	654909	3.61	555370	6.06	307924	7.94
JD78993-4DUP	189411	1.93	338930	3.05	610423	3.61	551389	6.06	339215	7.94
JD79009-1 [c]	170125	1.93	331957	3.05	595198	3.61	533894	6.06	330333	7.94
JD79009-2 [c]	176892	1.92	329234	3.05	606135	3.61	527375	6.06	311300	7.94
JD79009-3 [c]	167724	1.92	331932	3.05	599804	3.61	524744	6.06	327570	7.94
ZZZZZZ	165274	1.92	327876	3.05	595105	3.61	532826	6.06	329875	7.94
ZZZZZZ	168854	1.93	335850	3.05	608241	3.61	537527	6.06	321127	7.94
ZZZZZZ	170384	1.93	332282	3.05	600944	3.62	537929	6.06	325265	7.94
ZZZZZZ	141387	1.92	345522	3.05	618110	3.61	555142	6.06	316146	7.94
ZZZZZZ	160010	1.92	335565	3.05	625461	3.61	549259	6.06	312591	7.94
ZZZZZZ	169010	1.93	331264	3.05	596368	3.61	530823	6.06	332748	7.94
ZZZZZZ	158326	1.92	342406	3.05	620440	3.61	548717	6.06	339526	7.94
ZZZZZZ	146517	1.92	328160	3.05	586791	3.61	531123	6.06	316267	7.94
ZZZZZZ	144491	1.92	322725	3.05	586624	3.61	525013	6.06	324712	7.94

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Storage temperature was outside the required conditions due to equipment failure.

Surrogate Recovery Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD79009-1	Y205628.D	104	107	100	95
JD79009-2	Y205629.D	107	108	101	101
JD79009-3	Y205630.D	105	105	102	98
JD78993-2MS	Y205625.D	102	94	100	98
JD78993-4DUP	Y205627.D	104	107	99	96
VY8933-BS	Y205616.D	99	95	98	97
VY8933-MB	Y205618.D	101	103	98	97

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICC8915
Lab FileID: Y205176.D

Response Factor Report MSY

Method : C:\MSDCHEM\1\METHODS\MY8915.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Thu Nov 30 15:43:20 2023
Response via : Initial Calibration

Calibration Files
4 =Y205173.D 8 =Y205174.D 0.5 =Y205170.D 50 =Y205176.D
100 =Y205177.D 1 =Y205171.D 200 =Y205178.D 20 =Y205175.D
2 =Y205172.D 0.2 =Y205169.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) ethanol	0.156	0.141		0.103	0.069		0.034	0.119	0.184		0.115	44.57
----- Quadratic regression ----- Coefficient = 0.9944												
Response Ratio = 0.03307 + 0.11533 *A + -0.00207 *A^2												
3) tertiary butyl alcohol	1.227	1.166		1.159	1.087	1.172	0.981	1.049	1.518		1.170	13.78
4) 1,4-dioxane	0.069	0.096		0.104	0.099		0.091	0.095	0.095		0.093	12.15
5) I pentafluorobenzene ----------ISTD----------												
6) dichlorodifluoromethane	0.621	0.584		0.643	0.635	0.481	0.631	0.616	0.609		0.603	8.69
7) chlorodifluoromethane	0.967	0.930	0.970	1.027	1.023	0.924	0.990	1.003	1.014		0.983	3.89
8) chloromethane	1.042	1.070	1.141	1.050	1.045	0.932	0.989	1.065	1.121		1.050	5.97
9) 1,3-butadiene	0.545	0.584		0.619	0.658	0.444	0.644	0.611	0.610		0.589	11.56
10) vinyl chloride	0.720	0.747	0.656	0.761	0.748	0.530	0.725	0.739	0.727		0.706	10.27
11) bromomethane	0.493	0.416		0.314	0.302		0.282	0.338			0.357	22.66
----- Linear regression ----- Coefficient = 0.9989												
Response Ratio = 0.01905 + 0.28433 *A												
12) chloroethane	0.343	0.350		0.377	0.354	0.283	0.320	0.369	0.356		0.344	8.77
13) trichlorofluoromethane	0.720	0.699	0.736	0.736	0.738	0.535	0.728	0.727	0.727		0.705	9.21
14) ethyl ether	0.190	0.197		0.221	0.216		0.223	0.208	0.178		0.205	8.23
15) acrolein	0.065	0.058		0.073	0.072		0.082	0.073			0.070	11.63
16) freon 113	0.296	0.319		0.351	0.351		0.355	0.345	0.314		0.333	6.92
17) 1,1-dichloroethene	0.369	0.352		0.400	0.403	0.323	0.409	0.373	0.409		0.380	8.24
18) acetone	0.094	0.081	0.101	0.097	0.097	0.090	0.100	0.095	0.098		0.095	6.28
19) acetonitrile	0.092	0.078		0.081	0.076	0.082	0.066	0.084	0.089		0.081	9.87
20) iodomethane												

```
      0.127 0.264       0.613 0.626       0.610 0.462             0.450   46.85
            ----- Linear regression -----  Coefficient =  0.9982
              Response Ratio = -0.04731 + 0.63160 *A

21)  carbon disulfide
      1.434 1.417 1.669 1.595 1.596 1.241 1.551 1.528 1.468       1.500    8.48
22)  methylene chloride
      0.586 0.488       0.507 0.491 0.609 0.487 0.470 0.646       0.535   12.61
23)  methyl acetate
      0.045 0.047       0.055 0.057       0.063 0.056             0.054   12.58
24)  methyl tert butyl ether
      0.903 0.901 0.830 1.148 1.139 0.714 1.257 1.039 0.931       0.985   17.63
25)  trans-1,2-dichloroethene
      0.380 0.409 0.358 0.439 0.448 0.399 0.452 0.427 0.418 0.346  0.408    9.03
26)  hexane
      0.911 1.036 1.227 1.122 1.148 0.914 1.156 1.079 1.047       1.071   10.03
27)  di-isopropyl ether
      1.865 1.796 1.697 2.210 2.226 1.583 2.280 2.020 1.820       1.944   12.90
28)  ethyl tert-butyl ether
      1.549 1.474       1.827 1.881 1.288 1.919 1.687 1.413       1.630   14.36
29)  2-butanone
      0.054 0.048       0.064 0.059       0.066 0.063 0.055       0.058   11.40
30)  1,1-dichloroethane
      0.923 0.969 0.882 1.021 1.032 0.828 1.049 0.981 0.953       0.960    7.55
31)  chloroprene
      0.832 0.854       1.047 1.074       1.083 0.926 0.885       0.957   11.30
32)  acrylonitrile
      0.168 0.167       0.178 0.173       0.186 0.179             0.175    4.16
33)  vinyl acetate
      0.058 0.052       0.069 0.074       0.079 0.064             0.066   15.31
34)  ethyl acetate
      0.075 0.067       0.086 0.087       0.089 0.085             0.082   10.68
35)  2,2-dichloropropane
      0.648 0.665       0.792 0.807 0.587 0.822 0.739 0.708       0.721   11.69
36)  cis-1,2-dichloroethene
      0.449 0.438       0.517 0.512 0.364 0.518 0.467 0.442       0.463   11.37
37)  propionitrile
      0.079 0.076       0.086 0.086 0.070 0.091 0.087 0.084       0.082    8.18
38)  bromochloromethane
      0.282 0.273       0.303 0.301 0.203 0.309 0.281 0.252       0.276   12.57
39)  tetrahydrofuran
      0.189 0.172       0.194 0.205       0.225 0.211 0.208       0.201    8.55
40)  chloroform
      0.816 0.777       0.831 0.827 0.998 0.859 0.810 0.941       0.857    8.69
41)  tert-butyl formate  *This compound fails initial calibration criteria.*
      0.174 0.191       0.240 0.258       0.284 0.226             0.229   18.06
42)  isobutyl alcohol
      0.067 0.069       0.073 0.074       0.074 0.071 0.069       0.071    3.78
43)  dibromofluoromethane (s)
      0.543 0.539 0.518 0.551 0.542 0.528 0.553 0.550 0.540 0.524  0.539    2.23
44)  methacrylonitrile
      0.121 0.121       0.160 0.164       0.172 0.149             0.148   14.93
45)  1,1,1-trichloroethane
      0.657 0.707       0.777 0.807 0.528 0.816 0.745 0.680       0.715   13.29
46)  cyclohexane
      0.758 0.856       0.796 0.811       0.796 0.803 0.682       0.786    6.89
47)  1,1-dichloropropene
      0.185 0.197       0.238 0.251       0.252 0.211 0.147       0.212   18.30
48)  tert-amyl alcohol
      0.041 0.034       0.050 0.041       0.033 0.048 0.044       0.042   15.46
```

```
49)  carbon tetrachloride
      0.531 0.564       0.682 0.721 0.414 0.720 0.634 0.538        0.600   17.94

50) I   1,4-difluorobenzene   ----------------ISTD---------------------
51)  1,2-dichloroethane-d4 (s)
      0.330 0.329 0.325 0.301 0.304 0.326 0.315 0.304 0.320 0.324  0.318    3.50
52)  2,2,4-trimethylpentane
      1.329 1.343 1.471 1.383 1.404 1.230 1.384 1.385 1.430 1.522  1.388    5.76
53)  tert-amyl methyl ether
      0.605 0.571 0.476 0.640 0.650 0.477 0.703 0.616 0.544        0.587   13.20
54)  n-butyl alcohol
      0.008 0.007       0.009 0.009       0.010 0.009              0.009   12.55
55)  benzene
      0.935 0.933 0.886 0.957 0.962 0.826 0.964 0.936 1.032 0.943  0.937    5.70
56)  heptane
      0.279 0.291 0.317 0.294 0.297 0.257 0.291 0.305 0.319        0.294    6.43
57)  isopropyl acetate
      0.169 0.159       0.188 0.197       0.204 0.184 0.157        0.180   10.13
58)  1,2-dichloroethane
      0.352 0.312 0.358 0.333 0.336 0.303 0.343 0.328 0.358        0.336    5.78
59)  trichloroethene
      0.236 0.238       0.263 0.269 0.205 0.268 0.254 0.236        0.246    8.82
60)  ethyl acrylate
      0.793 0.803       0.835 0.839 0.667 0.824 0.853 0.807        0.802    7.26
61)  2-nitropropane
      0.094 0.089       0.110 0.103       0.102 0.103 0.096        0.100    6.97
62)  2-chloroethyl vinyl ether
      0.118 0.117       0.127 0.125 0.105 0.125 0.128 0.121        0.121    6.18
63)  methyl methacrylate
      0.046 0.039       0.054 0.054       0.056 0.054              0.050   12.58
64)  1,2-dichloropropane
      0.267 0.266       0.302 0.307 0.218 0.307 0.285 0.259        0.276   10.98
65)  methylcyclohexane
      0.397 0.434 0.365 0.447 0.456 0.301 0.443 0.449 0.419        0.412   12.40
66)  dibromomethane
      0.143 0.127       0.138 0.135 0.111 0.140 0.133 0.149        0.135    8.46
67)  bromodichloromethane
      0.292 0.284 0.266 0.336 0.344 0.277 0.345 0.315 0.321        0.309    9.70
68)  epichlorohydrin
      0.032 0.030       0.033 0.032       0.033 0.034 0.030        0.032    4.77
69)  cis-1,3-dichloropropene
      0.377 0.369 0.323 0.435 0.442 0.318 0.443 0.413 0.390        0.390   12.28
70)  4-methyl-2-pentanone
      0.031 0.029       0.033 0.033 0.024 0.035 0.034 0.032        0.031   11.59
71)  3-methyl-1-butanol
      0.015 0.010       0.011 0.012       0.013 0.013              0.012   11.74

72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.280 1.295 1.316 1.288 1.254 1.293 1.225 1.281 1.282 1.310  1.282    2.06
74)  toluene
      0.687 0.680 0.752 0.747 0.730 0.625 0.723 0.719 0.763 0.675  0.710    6.03
75)  trans-1,3-dichloropropene
      0.376 0.383 0.362 0.467 0.479 0.319 0.476 0.418 0.425        0.412   13.56
76)  ethyl methacrylate
      0.306 0.279       0.310 0.299 0.219 0.294 0.312 0.316        0.292   10.91
77)  1,1,2-trichloroethane
      0.173 0.168       0.203 0.207 0.140 0.208 0.187 0.191        0.185   12.73
78)  2-hexanone
      0.138 0.124 0.119 0.138 0.129 0.132 0.132 0.140 0.146        0.133    6.26
```

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICC8915
Lab FileID: Y205176.D

79) tetrachloroethene
0.316 0.328 0.252 0.330 0.338 0.270 0.326 0.319 0.315 0.310 9.50
80) 1,3-dichloropropane
0.381 0.375 0.419 0.425 0.297 0.429 0.391 0.388 0.388 10.86
81) butyl acetate
0.219 0.190 0.208 0.202 0.179 0.209 0.214 0.225 0.206 7.38
82) dibromochloromethane
0.265 0.254 0.259 0.301 0.303 0.251 0.312 0.283 0.288 0.280 8.26
83) 1,2-dibromoethane
0.224 0.206 0.161 0.251 0.252 0.183 0.258 0.239 0.231 0.223 15.00
84) n-butyl ether
1.837 1.856 2.070 1.850 1.771 1.799 1.658 1.812 2.039 1.912 1.860 6.57
85) chlorobenzene
0.789 0.776 0.805 0.820 0.827 0.769 0.814 0.789 0.901 0.893 0.818 5.55
86) 1,1,1,2-tetrachloroethane
0.246 0.250 0.206 0.286 0.288 0.204 0.292 0.259 0.257 0.254 12.87
87) ethylbenzene
1.417 1.446 1.583 1.423 1.368 1.359 1.328 1.403 1.584 1.724 1.463 8.60
88) m,p-xylene
0.586 0.560 0.583 0.556 0.541 0.542 0.520 0.544 0.644 0.632 0.571 7.12
89) o-xylene
1.246 1.239 1.318 1.226 1.193 1.227 1.133 1.227 1.416 1.388 1.261 6.92
90) styrene
0.946 0.932 0.951 0.895 0.895 0.887 0.873 0.924 1.043 0.949 0.929 5.26
91) bromoform
0.182 0.178 0.199 0.202 0.166 0.208 0.197 0.204 0.192 7.70
92) butyl acrylate
0.744 0.713 0.699 0.746 0.714 0.728 0.696 0.737 0.857 0.798 0.743 6.70
93) isopropylbenzene
1.357 1.372 1.451 1.383 1.356 1.230 1.314 1.355 1.564 1.589 1.397 7.86
94) cis-1,4-dichloro-2-butene
0.127 0.122 0.145 0.150 0.157 0.143 0.118 0.137 10.99

95) I 1,4-dichlorobenzene-d ----------ISTD----------
96) 4-bromofluorobenzene (s)
0.898 0.888 0.904 0.892 0.895 0.853 0.897 0.888 0.896 0.887 0.890 1.58
97) bromobenzene
0.579 0.568 0.610 0.601 0.606 0.517 0.633 0.589 0.622 0.592 5.84
98) 1,1,2,2-tetrachloroethane
0.460 0.452 0.420 0.526 0.529 0.415 0.581 0.507 0.509 0.489 11.36
99) trans-1,4-dichloro-2-butene
0.076 0.072 0.093 0.094 0.108 0.088 0.089 14.66
100) 1,2,3-trichloropropane
0.128 0.113 0.142 0.143 0.163 0.139 0.146 0.139 11.14
101) n-propylbenzene
3.161 3.108 3.446 3.200 3.223 2.834 3.170 3.253 3.520 3.889 3.280 8.63
102) 2-chlorotoluene
0.609 0.592 0.598 0.611 0.612 0.580 0.631 0.623 0.632 0.610 2.89
103) 4-chlorotoluene
0.674 0.628 0.670 0.630 0.636 0.512 0.656 0.643 0.740 0.643 9.32
104) 1,3,5-trimethylbenzene
2.277 2.239 2.348 2.339 2.360 1.964 2.316 2.299 2.444 2.474 2.306 6.05
105) tert-butylbenzene
2.016 1.960 1.893 2.075 2.082 1.725 2.070 2.030 2.171 1.954 1.998 6.21
106) 1,2,4-trimethylbenzene
2.353 2.364 2.550 2.473 2.461 2.063 2.370 2.437 2.570 2.779 2.442 7.55
107) sec-butylbenzene
2.943 2.965 3.089 3.049 3.064 2.611 3.001 3.030 3.390 3.278 3.042 6.78
108) 1,3-dichlorobenzene
1.333 1.268 1.355 1.326 1.294 1.299 1.275 1.319 1.505 1.592 1.357 7.86

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICC8915
Lab FileID: Y205176.D

109) p-isopropyltoluene
2.684 2.602 2.924 2.713 2.627 2.393 2.537 2.702 3.015 3.196 2.739 8.74
110) 1,4-dichlorobenzene
1.305 1.188 1.361 1.275 1.271 1.243 1.274 1.250 1.503 1.297 6.98
111) 1,2,3-trimethylbenzene
2.264 2.167 2.236 2.377 2.341 1.989 2.293 2.280 2.465 2.672 2.309 7.81
112) 1,2-dichlorobenzene
1.232 1.180 1.361 1.241 1.198 1.266 1.217 1.249 1.341 1.257 1.254 4.59
113) n-butylbenzene
1.369 1.362 1.349 1.514 1.454 1.249 1.445 1.486 1.494 1.697 1.442 8.41
114) 1,2-dibromo-3-chloropropane
0.146 0.133 0.149 0.150 0.160 0.157 0.180 0.154 9.48
115) 1,3,5-trichlorobenzene
1.038 1.006 1.071 1.123 1.059 0.989 1.029 1.053 1.185 1.062 5.68
116) 1,2,4-trichlorobenzene
0.939 0.888 0.991 1.000 0.949 0.884 0.920 0.978 1.118 0.963 7.42
117) hexachlorobutadiene
0.500 0.528 0.593 0.529 0.483 0.488 0.474 0.533 0.599 0.514 0.524 8.25
118) naphthalene
1.952 1.865 2.176 2.116 2.091 1.888 2.094 2.158 2.219 2.062 6.25
119) 1,2,3-trichlorobenzene
0.906 0.851 1.001 0.906 0.857 0.782 0.831 0.908 1.013 1.035 0.909 9.24
120) hexachloroethane
0.304 0.321 0.377 0.391 0.405 0.336 0.311 0.349 11.78
121) benzyl chloride
0.227 0.237 0.270 0.283 0.288 0.258 0.269 0.262 8.76
122) 2-methylnaphthalene
1.230 1.135 1.353 1.186 1.082 1.172 1.064 1.184 1.430 1.204 9.95

123) pentafluorobenzene(a) ----------ISTD----------
124) vinyl bromide
0.000 -1.00

125) pentafluorobenzene(b) ----------ISTD----------
126) allyl chloride
0.000 -1.00

127) 1,4-dichlorobenzene-d ----------ISTD----------
128) 4-ethyltoluene
0.000 -1.00
129) 1,4-diethylbenzene
0.000 -1.00
130) 1,2,4,5-tetramethylbenzene
0.000 -1.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

MY8915.M Thu Nov 30 15:54:32 2023 RPT1

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205181.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\VY8915\Y205181.D Vial: 15
Acq On : 29 Nov 2023 5:58 pm Operator: PrashanS
Sample : ICV8915-50 Inst : MSY
Misc : MS75248,VY8915,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MY8915.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Thu Nov 30 15:43:20 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	115	0.00	1.93
	---------- True	Calc.	% Drift	----------			
2	ethanol	5000.000	4301.220	14.0	97	0.00	1.52
	---------- AvgRF	CCRF	% Dev	----------			
3	tertiary butyl alcohol	1.170	1.059	9.5	105	0.00	1.97
4	1,4-dioxane	0.093	0.098	-5.4	108	0.00	4.14
5 I	pentafluorobenzene	1.000	1.000	0.0	107	0.00	3.05
6	dichlorodifluoromethane	0.603	0.581	3.6	96	0.00	0.96
7	chlorodifluoromethane	----------NA----------					
8	chloromethane	1.050	0.965	8.1	98	0.00	1.07
9	1,3-butadiene	0.589	0.523	11.2	90	0.00	1.11
10	vinyl chloride	0.706	0.677	4.1	95	0.00	1.11
	---------- True	Calc.	% Drift	----------			
11	bromomethane	50.000	57.121	-14.2	117	0.00	1.27
	---------- AvgRF	CCRF	% Dev	----------			
12	chloroethane	0.344	0.321	6.7	91	0.00	1.32
13	trichlorofluoromethane	0.705	0.623	11.6	90	0.00	1.42
14	ethyl ether	0.205	0.229	-11.7	110	0.00	1.55
15	acrolein	0.070	0.079	-12.9	115	0.00	1.66
16	freon 113	0.333	0.338	-1.5	103	0.00	1.65
17	1,1-dichloroethene	0.380	0.402	-5.8	107	0.00	1.68
18	acetone	0.095	0.091	4.2	99	0.00	1.73
19	acetonitrile	0.081	0.086	-6.2	114	0.00	1.92
	---------- True	Calc.	% Drift	----------			
20	iodomethane	50.000	42.927	14.1	86	0.00	1.78
	---------- AvgRF	CCRF	% Dev	----------			
21	carbon disulfide	1.500	1.526	-1.7	102	0.00	1.81
22	methylene chloride	0.535	0.490	8.4	103	0.00	1.96
23	methyl acetate	0.054	0.063	-16.7	122	0.00	1.87
24	methyl tert butyl ether	0.985	1.188	-20.6	110	0.00	2.05
25	trans-1,2-dichloroethene	0.408	0.442	-8.3	107	0.00	2.08
26	hexane	1.071	1.075	-0.4	102	0.00	2.17
27	di-isopropyl ether	1.944	2.346	-20.7	113	0.00	2.31
28	ethyl tert-butyl ether	1.630	1.829	-12.2	107	0.00	2.54
29	2-butanone	0.058	0.063	-8.6	104	0.00	2.72

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205181.D

30		1,1-dichloroethane	0.960	1.023	-6.6	107	0.00	2.35
31		chloroprene	0.957	1.041	-8.8	106	0.00	2.38
32		acrylonitrile	0.175	0.209	-19.4	125	0.00	2.12
33		vinyl acetate	0.066	0.078	-18.2	120	0.00	2.35
34		ethyl acetate	0.082	0.092	-12.2	114	0.00	2.72
35		2,2-dichloropropane	0.721	0.756	-4.9	102	0.00	2.69
36		cis-1,2-dichloroethene	0.463	0.501	-8.2	103	0.00	2.71
37		propionitrile	0.082	0.090	-9.8	112	0.00	2.82
38		bromochloromethane	0.276	0.304	-10.1	107	0.00	2.88
39		tetrahydrofuran	0.201	0.212	-5.5	117	0.00	2.88
40		chloroform	0.857	0.809	5.6	104	0.00	2.92
41		tert-butyl formate	0.229	0.342	-49.3#	152	0.00	2.93
42		isobutyl alcohol	0.071	0.068	4.2	99	0.00	3.02
43	S	dibromofluoromethane (s)	0.539	0.552	-2.4	107	0.00	3.04
44		methacrylonitrile	0.148	0.170	-14.9	113	0.00	2.90
45		1,1,1-trichloroethane	0.715	0.763	-6.7	105	0.00	3.03
46		cyclohexane	0.786	0.730	7.1	98	0.00	3.02
47		1,1-dichloropropene	0.212	0.229	-8.0	102	0.00	3.14
48		tert-amyl alcohol	0.042	0.051	-21.4	110	0.00	3.29
49		carbon tetrachloride	0.600	0.658	-9.7	103	0.00	3.12
50	I	1,4-difluorobenzene	1.000	1.000	0.0	105	0.00	3.61
51	S	1,2-dichloroethane-d4 (s)	0.318	0.297	6.6	104	0.00	3.30
52		2,2,4-trimethylpentane	1.388	1.328	4.3	101	0.00	3.27
53		tert-amyl methyl ether	0.587	0.629	-7.2	103	0.00	3.34
54		n-butyl alcohol	0.009	0.010	-11.1	113	0.00	3.76
55		benzene	0.937	0.929	0.9	102	0.00	3.29
56		heptane	0.294	0.297	-1.0	106	0.00	3.41
57		isopropyl acetate	0.180	0.189	-5.0	105	0.00	3.34
58		1,2-dichloroethane	0.336	0.331	1.5	104	0.00	3.37
59		trichloroethene	0.246	0.259	-5.3	104	0.00	3.81
60		ethyl acrylate	0.802	0.820	-2.2	103	0.00	3.91
61		2-nitropropane	0.100	0.113	-13.0	108	0.00	4.53
62		2-chloroethyl vinyl ether	0.121	0.149	-23.1	123	0.00	4.54
63		methyl methacrylate	0.050	0.059	-18.0	114	0.00	4.11
64		1,2-dichloropropane	0.276	0.295	-6.9	102	0.00	4.04
65		methylcyclohexane	0.412	0.447	-8.5	105	0.00	3.91
66		dibromomethane	0.135	0.137	-1.5	104	0.00	4.15
67		bromodichloromethane	0.309	0.333	-7.8	104	0.00	4.27
68		epichlorohydrin	0.032	0.034	-6.3	109	0.00	4.62
69		cis-1,3-dichloropropene	0.390	0.434	-11.3	105	0.00	4.66
70		4-methyl-2-pentanone	0.031	0.035	-12.9	111	0.00	4.78
71		3-methyl-1-butanol	0.012	0.013	-8.3	121	0.00	4.84
72	I	chlorobenzene-d5	1.000	1.000	0.0	106	0.00	6.06
73	S	toluene-d8 (s)	1.282	1.268	1.1	105	0.00	4.84
74		toluene	0.710	0.733	-3.2	104	0.00	4.90
75		trans-1,3-dichloropropene	0.412	0.464	-12.6	106	0.00	5.16
76		ethyl methacrylate	0.292	0.316	-8.2	108	0.00	5.18
77		1,1,2-trichloroethane	0.185	0.205	-10.8	108	0.00	5.30
78		2-hexanone	0.133	0.133	0.0	103	0.00	5.50
79		tetrachloroethene	0.310	0.387	-24.8	125	0.00	5.33
80		1,3-dichloropropane	0.388	0.423	-9.0	107	0.00	5.45
81		butyl acetate	0.206	0.229	-11.2	117	0.00	5.57
82		dibromochloromethane	0.280	0.300	-7.1	106	0.00	5.61
83		1,2-dibromoethane	0.223	0.249	-11.7	105	0.00	5.71
84		n-butyl ether	1.860	1.728	7.1	99	0.00	6.13
85		chlorobenzene	0.818	0.798	2.4	103	0.00	6.09
86		1,1,1,2-tetrachloroethane	0.254	0.277	-9.1	103	0.00	6.17
87		ethylbenzene	1.463	1.369	6.4	102	0.00	6.16

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205181.D

88		m,p-xylene	0.571	0.535	6.3	102	0.00	6.25
89		o-xylene	1.261	1.191	5.6	103	0.00	6.58
90		styrene	0.929	0.886	4.6	105	0.00	6.60
91		bromoform	0.192	0.200	-4.2	107	0.00	6.77
92		butyl acrylate	0.743	0.734	1.2	105	0.00	6.57
93		isopropylbenzene	1.397	1.345	3.7	103	0.00	6.87
94		cis-1,4-dichloro-2-butene	0.137	0.141	-2.9	104	0.00	6.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	7.94
96	S	4-bromofluorobenzene (s)	0.890	0.906	-1.8	106	0.00	7.02
97		bromobenzene	0.592	0.599	-1.2	104	0.00	7.13
98		1,1,2,2-tetrachloroethane	0.489	0.553	-13.1	109	0.00	7.18
99		trans-1,4-dichloro-2-bute	0.089	0.101	-13.5	113	0.00	7.23
100		1,2,3-trichloropropane	0.139	0.147	-5.8	108	0.00	7.21
101		n-propylbenzene	3.280	3.194	2.6	104	0.00	7.20
102		2-chlorotoluene	0.610	0.604	1.0	103	0.00	7.28
103		4-chlorotoluene	0.643	0.624	3.0	103	0.00	7.38
104		1,3,5-trimethylbenzene	2.306	2.301	0.2	102	0.00	7.35
105		tert-butylbenzene	1.998	2.006	-0.4	100	0.00	7.59
106		1,2,4-trimethylbenzene	2.442	2.365	3.2	99	0.00	7.64
107		sec-butylbenzene	3.042	2.986	1.8	102	0.00	7.77
108		1,3-dichlorobenzene	1.357	1.276	6.0	100	0.00	7.88
109		p-isopropyltoluene	2.739	2.650	3.2	102	0.00	7.88
110		1,4-dichlorobenzene	1.297	1.271	2.0	104	0.00	7.95
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	1.254	1.202	4.1	101	0.00	8.25
113		n-butylbenzene	1.442	1.436	0.4	99	0.00	8.21
114		1,2-dibromo-3-chloropropa	0.154	0.158	-2.6	110	0.00	8.87
115		1,3,5-trichlorobenzene	1.062	1.139	-7.3	105	0.00	8.99
116		1,2,4-trichlorobenzene	0.963	0.965	-0.2	100	0.00	9.49
117		hexachlorobutadiene	0.524	0.506	3.4	99	0.00	9.58
118		naphthalene	2.062	2.161	-4.8	106	0.00	9.68
119		1,2,3-trichlorobenzene	0.909	0.912	-0.3	105	0.00	9.86
120		hexachloroethane	0.349	0.368	-5.4	101	0.00	8.40
121		benzyl chloride	0.262	0.273	-4.2	105	0.00	8.07
122		2-methylnaphthalene	1.204	1.171	2.7	103	0.00	10.54
123		pentafluorobenzene(a)	1.000	1.000	0.0	107	0.00	3.05
124		vinyl bromide		----------NA----------				
125		pentafluorobenzene(b)	1.000	1.000	0.0	107	0.00	3.05
126		allyl chloride		----------NA----------				
127		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	104	0.00	7.94
128		4-ethyltoluene		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y205176.D MY8915.M Thu Nov 30 15:53:42 2023 RPT1

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205182.D

Evaluate Continuing Calibration Report

Data File : C:\MSDChem\1\DATA\VY8915\Y205182.D Vial: 16
Acq On : 29 Nov 2023 6:20 pm Operator: PrashanS
Sample : ICV8915-50 Inst : MSY
Misc : MS75248,VY8915,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MY8915.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Thu Nov 30 15:43:20 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	112	0.00	1.93
	---------- True	Calc.	% Drift	----------			
2	ethanol		NA				
	---------- AvgRF	CCRF	% Dev	----------			
3	tertiary butyl alcohol		NA				
4	1,4-dioxane		NA				
5 I	pentafluorobenzene	1.000	1.000	0.0	106	0.00	3.05
6	dichlorodifluoromethane		NA				
7	chlorodifluoromethane	0.983	1.175	-19.5	122	0.00	0.98
8	chloromethane		NA				
9	1,3-butadiene		NA				
10	vinyl chloride		NA				
	---------- True	Calc.	% Drift	----------			
11	bromomethane		NA				
	---------- AvgRF	CCRF	% Dev	----------			
12	chloroethane		NA				
13	trichlorofluoromethane		NA				
14	ethyl ether		NA				
15	acrolein		NA				
16	freon 113		NA				
17	1,1-dichloroethene		NA				
18	acetone		NA				
19	acetonitrile	0.081	0.101	-24.7	133	0.00	1.92
	---------- True	Calc.	% Drift	----------			
20	iodomethane		NA				
	---------- AvgRF	CCRF	% Dev	----------			
21	carbon disulfide		NA				
22	methylene chloride		NA				
23	methyl acetate		NA				
24	methyl tert butyl ether		NA				
25	trans-1,2-dichloroethene		NA				
26	hexane		NA				
27	di-isopropyl ether		NA				
28	ethyl tert-butyl ether		NA				
29	2-butanone		NA				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205182.D

30		1,1-dichloroethane		----------NA----------					
31		chloroprene		----------NA----------					
32		acrylonitrile	0.175	0.226	-29.1	135	0.00	2.12	
33		vinyl acetate		----------NA----------					
34		ethyl acetate		----------NA----------					
35		2,2-dichloropropane		----------NA----------					
36		cis-1,2-dichloroethene		----------NA----------					
37		propionitrile		----------NA----------					
38		bromochloromethane		----------NA----------					
39		tetrahydrofuran		----------NA----------					
40		chloroform		----------NA----------					
41		tert-butyl formate		----------NA----------					
42		isobutyl alcohol		----------NA----------					
43	S	dibromofluoromethane (s)	0.539	0.558	-3.5	108	0.00	3.03	
44		methacrylonitrile		----------NA----------					
45		1,1,1-trichloroethane		----------NA----------					
46		cyclohexane		----------NA----------					
47		1,1-dichloropropene		----------NA----------					
48		tert-amyl alcohol		----------NA----------					
49		carbon tetrachloride		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	98	0.00	3.61	
51	S	1,2-dichloroethane-d4 (s)	0.318	0.330	-3.8	107	0.00	3.30	
52		2,2,4-trimethylpentane		----------NA----------					
53		tert-amyl methyl ether		----------NA----------					
54		n-butyl alcohol		----------NA----------					
55		benzene		----------NA----------					
56		heptane		----------NA----------					
57		isopropyl acetate		----------NA----------					
58		1,2-dichloroethane		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		2-nitropropane		----------NA----------					
62		2-chloroethyl vinyl ether		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		1,2-dichloropropane		----------NA----------					
65		methylcyclohexane		----------NA----------					
66		dibromomethane		----------NA----------					
67		bromodichloromethane		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	101	0.00	6.06	
73	S	toluene-d8 (s)	1.282	1.310	-2.2	103	0.00	4.84	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		2-hexanone		----------NA----------					
79		tetrachloroethene	0.310	0.327	-5.5	100	0.00	5.33	
80		1,3-dichloropropane		----------NA----------					
81		butyl acetate		----------NA----------					
82		dibromochloromethane		----------NA----------					
83		1,2-dibromoethane		----------NA----------					
84		n-butyl ether		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8915-ICV8915
Lab FileID: Y205182.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
92		butyl acrylate		----------NA----------				
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	107	0.00	7.94
96	S	4-bromofluorobenzene (s)	0.890	0.910	-2.2	109	0.00	7.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	2.309	2.370	-2.6	107	0.00	7.98
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
121		benzyl chloride		----------NA----------				
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	106	0.00	3.05
124		vinyl bromide		----------NA----------				
125		pentafluorobenzene(b)	1.000	1.000	0.0	106	0.00	3.05
126		allyl chloride		----------NA----------				
127		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	107	0.00	7.94
128		4-ethyltoluene		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y205176.D MY8915.M Thu Nov 30 15:58:59 2023 RPT1

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8933-CC8915
Lab FileID: Y205615.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...2023\vy8933\Y205615.D Vial: 2
Acq On : 18 Dec 2023 1:14 pm Operator: PrashanS
Sample : CC8915-50 Inst : MSY
Misc : MS76151,VY8933,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\MY8915.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Mon Sep 13 11:48:20 2010
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	165	0.00	1.93
	---------- True	Calc.	% Drift	----------			
2	ethanol	5000.000	5779.536	-15.6	174	0.00	1.52
	---------- AvgRF	CCRF	% Dev	----------			
3	tertiary butyl alcohol	1.170	1.240	-6.0	176	0.00	1.98
4	1,4-dioxane	0.093	0.106	-14.0	168	0.00	4.14
5 I	pentafluorobenzene	1.000	1.000	0.0	153	0.00	3.05
6	dichlorodifluoromethane	0.603	0.560	7.1	133	0.00	0.96
7	chlorodifluoromethane	0.983	1.120	-13.9	166	0.00	0.98
8	chloromethane	1.050	1.124	-7.0	163	0.00	1.07
9	1,3-butadiene	0.589	0.699	-18.7	172	0.00	1.11
10	vinyl chloride	0.706	0.795	-12.6	159	0.00	1.11
	---------- True	Calc.	% Drift	----------			
11	bromomethane	50.000	48.570	2.9	143	0.00	1.27
	---------- AvgRF	CCRF	% Dev	----------			
12	chloroethane	0.344	0.390	-13.4	157	0.00	1.32
13	trichlorofluoromethane	0.705	0.654	7.2	135	0.00	1.41
14	ethyl ether	0.205	0.212	-3.4	146	0.00	1.55
15	acrolein	0.070	0.116	-65.7#	242#	0.00	1.65
16	freon 113	0.333	0.355	-6.6	154	0.00	1.65
17	1,1-dichloroethene	0.380	0.385	-1.3	147	0.00	1.68
18	acetone	0.095	0.104	-9.5	163	0.00	1.73
19	acetonitrile	0.081	0.101	-24.7#	191	0.00	1.91
	---------- True	Calc.	% Drift	----------			
20	iodomethane	50.000	51.443	-2.9	150	0.00	1.78
	---------- AvgRF	CCRF	% Dev	----------			
21	carbon disulfide	1.500	1.557	-3.8	149	0.00	1.81
22	methylene chloride	0.535	0.478	10.7	144	0.00	1.96
23	methyl acetate	0.054	0.060	-11.1	167	0.00	1.87
24	methyl tert butyl ether	0.985	1.101	-11.8	146	0.00	2.05
25	trans-1,2-dichloroethene	0.408	0.424	-3.9	147	0.00	2.08
26	hexane	1.071	1.318	-23.1#	179	0.00	2.17
27	di-isopropyl ether	1.944	2.664	-37.0#	184	0.00	2.31
28	ethyl tert-butyl ether	1.630	2.061	-26.4#	172	0.00	2.53
29	2-butanone	0.058	0.059	-1.7	140	0.00	2.72

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8933-CC8915
Lab FileID: Y205615.D

30		1,1-dichloroethane	0.960	1.119	-16.6	167	0.00	2.35
31		chloroprene	0.957	1.182	-23.5#	172	0.00	2.37
32		acrylonitrile	0.175	0.252	-44.0#	216#	0.00	2.12
33		vinyl acetate	0.066	0.068	-3.0	149	0.00	2.35
34		ethyl acetate	0.082	0.103	-25.6#	182	0.00	2.72
35		2,2-dichloropropane	0.721	0.745	-3.3	143	0.00	2.69
36		cis-1,2-dichloroethene	0.463	0.489	-5.6	144	0.00	2.71
37		propionitrile	0.082	0.111	-35.4#	197	0.00	2.82
38		bromochloromethane	0.276	0.305	-10.5	153	0.00	2.88
39		tetrahydrofuran	0.201	0.233	-15.9	184	0.00	2.88
40		chloroform	0.857	0.804	6.2	148	0.00	2.92
41		tert-butyl formate	0.229	0.283	-23.6#	180	0.00	2.93
42		isobutyl alcohol	0.071	0.079	-11.3	165	0.00	3.02
43	S	dibromofluoromethane (s)	0.539	0.533	1.1	148	0.00	3.03
44		methacrylonitrile	0.148	0.166	-12.2	158	0.00	2.90
45		1,1,1-trichloroethane	0.715	0.760	-6.3	149	0.00	3.03
46		cyclohexane	0.786	0.761	3.2	146	0.00	3.02
47		1,1-dichloropropene	0.212	0.234	-10.4	150	0.00	3.14
48		tert-amyl alcohol	0.042	0.058	-38.1#	178	0.00	3.29
49		carbon tetrachloride	0.600	0.659	-9.8	147	0.00	3.12
50	I	1,4-difluorobenzene	1.000	1.000	0.0	148	0.00	3.61
51	S	1,2-dichloroethane-d4 (s)	0.318	0.303	4.7	149	0.00	3.30
52		2,2,4-trimethylpentane	1.388	1.596	-15.0	171	0.00	3.27
53		tert-amyl methyl ether	0.587	0.644	-9.7	149	0.00	3.34
54		n-butyl alcohol	0.009	0.013	-44.4#	201#	0.00	3.76
55		benzene	0.937	0.943	-0.6	146	0.00	3.29
56		heptane	0.294	0.347	-18.0	175	0.00	3.41
57		isopropyl acetate	0.180	0.196	-8.9	154	0.00	3.34
58		1,2-dichloroethane	0.336	0.369	-9.8	164	0.00	3.37
59		trichloroethene	0.246	0.265	-7.7	150	0.00	3.80
60		ethyl acrylate	0.802	0.987	-23.1#	175	0.00	3.91
61		2-nitropropane	0.100	0.117	-17.0	157	0.00	4.53
62		2-chloroethyl vinyl ether	0.121	0.141	-16.5	164	0.00	4.54
63		methyl methacrylate	0.050	0.055	-10.0	150	0.00	4.11
64		1,2-dichloropropane	0.276	0.344	-24.6#	169	0.00	4.04
65		methylcyclohexane	0.412	0.432	-4.9	144	0.00	3.91
66		dibromomethane	0.135	0.139	-3.0	149	0.00	4.15
67		bromodichloromethane	0.309	0.328	-6.1	145	0.00	4.27
68		epichlorohydrin	0.032	0.041	-28.1#	186	0.00	4.62
69		cis-1,3-dichloropropene	0.390	0.430	-10.3	147	0.00	4.66
70		4-methyl-2-pentanone	0.031	0.035	-12.9	156	0.00	4.78
71		3-methyl-1-butanol	0.012	0.016	-33.3#	202#	0.00	4.84
72	I	chlorobenzene-d5	1.000	1.000	0.0	150	0.00	6.06
73	S	toluene-d8 (s)	1.282	1.265	1.3	147	0.00	4.84
74		toluene	0.710	0.728	-2.5	146	0.00	4.90
75		trans-1,3-dichloropropene	0.412	0.453	-10.0	145	0.00	5.16
76		ethyl methacrylate	0.292	0.308	-5.5	149	0.00	5.18
77		1,1,2-trichloroethane	0.185	0.203	-9.7	150	0.00	5.30
78		2-hexanone	0.133	0.163	-22.6#	177	0.00	5.50
79		tetrachloroethene	0.310	0.328	-5.8	149	0.00	5.33
80		1,3-dichloropropane	0.388	0.423	-9.0	152	0.00	5.45
81		butyl acetate	0.206	0.270	-31.1#	194	0.00	5.57
82		dibromochloromethane	0.280	0.302	-7.9	150	0.00	5.61
83		1,2-dibromoethane	0.223	0.254	-13.9	151	0.00	5.71
84		n-butyl ether	1.860	2.100	-12.9	170	0.00	6.13
85		chlorobenzene	0.818	0.812	0.7	148	0.00	6.09
86		1,1,1,2-tetrachloroethane	0.254	0.284	-11.8	149	0.00	6.17
87		ethylbenzene	1.463	1.363	6.8	144	0.00	6.15

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VY8933-CC8915
Lab FileID: Y205615.D

88		m,p-xylene	0.571	0.551	3.5	149	0.00	6.25
89		o-xylene	1.261	1.189	5.7	145	0.00	6.58
90		styrene	0.929	0.903	2.8	151	0.00	6.60
91		bromoform	0.192	0.199	-3.6	150	0.00	6.77
92		butyl acrylate	0.743	0.884	-19.0	178	0.00	6.57
93		isopropylbenzene	1.397	1.356	2.9	147	0.00	6.87
94		cis-1,4-dichloro-2-butene	0.137	0.170	-24.1#	176	0.00	6.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	150	0.00	7.94
96	S	4-bromofluorobenzene (s)	0.890	0.877	1.5	147	0.00	7.02
97		bromobenzene	0.592	0.624	-5.4	156	0.00	7.13
98		1,1,2,2-tetrachloroethane	0.489	0.525	-7.4	150	0.00	7.17
99		trans-1,4-dichloro-2-bute	0.089	0.092	-3.4	149	0.00	7.23
100		1,2,3-trichloropropane	0.139	0.146	-5.0	155	0.00	7.21
101		n-propylbenzene	3.280	3.126	4.7	147	0.00	7.20
102		2-chlorotoluene	0.610	0.624	-2.3	153	0.00	7.28
103		4-chlorotoluene	0.643	0.642	0.2	153	0.00	7.38
104		1,3,5-trimethylbenzene	2.306	2.304	0.1	148	0.00	7.35
105		tert-butylbenzene	1.998	1.999	-0.1	145	0.00	7.59
106		1,2,4-trimethylbenzene	2.442	2.338	4.3	142	0.00	7.64
107		sec-butylbenzene	3.042	2.975	2.2	146	0.00	7.77
108		1,3-dichlorobenzene	1.357	1.301	4.1	147	0.00	7.88
109		p-isopropyltoluene	2.739	2.623	4.2	145	0.00	7.88
110		1,4-dichlorobenzene	1.297	1.262	2.7	148	0.00	7.95
111		1,2,3-trimethylbenzene	2.309	2.311	-0.1	146	0.00	7.98
112		1,2-dichlorobenzene	1.254	1.232	1.8	149	0.00	8.25
113		n-butylbenzene	1.442	1.431	0.8	142	0.00	8.21
114		1,2-dibromo-3-chloropropa	0.154	0.165	-7.1	165	0.00	8.88
115		1,3,5-trichlorobenzene	1.062	1.092	-2.8	146	0.00	8.99
116		1,2,4-trichlorobenzene	0.963	1.006	-4.5	151	0.00	9.49
117		hexachlorobutadiene	0.524	0.514	1.9	146	0.00	9.58
118		naphthalene	2.062	2.165	-5.0	153	0.00	9.68
119		1,2,3-trichlorobenzene	0.909	0.928	-2.1	153	0.00	9.87
120		hexachloroethane	0.349	0.371	-6.3	148	0.00	8.40
121		benzyl chloride	0.262	0.264	-0.8	147	0.00	8.07
122		2-methylnaphthalene	1.204	1.210	-0.5	153	0.00	10.54
123		pentafluorobenzene(a)	1.000	1.000	0.0	153	0.00	3.05
124		vinyl bromide		----------NA----------				
125		pentafluorobenzene(b)	1.000	1.000	0.0	153	0.00	3.05
126		allyl chloride		----------NA----------				
127		1,4-dichlorobenzene-d4(a)	1.000	1.000	0.0	150	0.00	7.94
128		4-ethyltoluene		----------NA----------				
129		1,4-diethylbenzene		----------NA----------				
130		1,2,4,5-tetramethylbenzen		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Y205176.D MY8915.M Tue Dec 19 12:04:10 2023

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: VY8915	**Method:** SW846 8260D	**Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY8915-BFB	Y205168.D	11/29/23 12:45	n/a	BFB Tune
VY8915-IC8915	Y205169.D	11/29/23 13:36	n/a	Initial cal 0.2
VY8915-IC8915	Y205170.D	11/29/23 13:58	n/a	Initial cal 0.5
VY8915-IC8915	Y205171.D	11/29/23 14:20	n/a	Initial cal 1
VY8915-IC8915	Y205172.D	11/29/23 14:41	n/a	Initial cal 2
VY8915-IC8915	Y205173.D	11/29/23 15:03	n/a	Initial cal 4
VY8915-IC8915	Y205174.D	11/29/23 15:25	n/a	Initial cal 8
VY8915-IC8915	Y205175.D	11/29/23 15:47	n/a	Initial cal 20
VY8915-ICC8915	Y205176.D	11/29/23 16:09	n/a	Initial cal 50
VY8915-IC8915	Y205177.D	11/29/23 16:31	n/a	Initial cal 100
VY8915-IC8915	Y205178.D	11/29/23 16:53	n/a	Initial cal 200
VY8915-ICV8915	Y205181.D	11/29/23 17:58	n/a	Initial cal verification 50
VY8915-ICV8915	Y205182.D	11/29/23 18:20	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: VY8933	**Method:** SW846 8260D	**Instrument ID:** GCMSY

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VY8933-CC8915	Y205615.D	12/18/23 13:14	n/a	Continuing cal 50
VY8933-BS	Y205616.D	12/18/23 13:44	n/a	Blank Spike
VY8933-MB	Y205618.D	12/18/23 14:50	n/a	Method Blank
JD78993-2	Y205619.D	12/18/23 15:12	n/a	(used for QC only; not part of job JD79009)
JD78993-4	Y205620.D	12/18/23 15:34	n/a	(used for QC only; not part of job JD79009)
ZZZZZZ	Y205621.D	12/18/23 15:56	n/a	(unrelated sample)
ZZZZZZ	Y205622.D	12/18/23 16:17	n/a	(unrelated sample)
ZZZZZZ	Y205623.D	12/18/23 16:39	n/a	(unrelated sample)
ZZZZZZ	Y205624.D	12/18/23 17:01	n/a	(unrelated sample)
JD78993-2MS	Y205625.D	12/18/23 17:23	n/a	Matrix Spike
JD78993-4DUP	Y205627.D	12/18/23 18:07	n/a	Duplicate
JD79009-1	Y205628.D	12/18/23 18:28	n/a	SB115(3.5-4)
JD79009-2	Y205629.D	12/18/23 18:50	n/a	SB117(9-9.5)
JD79009-3	Y205630.D	12/18/23 19:12	n/a	SB116(11-11.5)
ZZZZZZ	Y205631.D	12/18/23 19:34	n/a	(unrelated sample)
ZZZZZZ	Y205632.D	12/18/23 19:56	n/a	(unrelated sample)
ZZZZZZ	Y205633.D	12/18/23 20:18	n/a	(unrelated sample)
ZZZZZZ	Y205634.D	12/18/23 20:39	n/a	(unrelated sample)
ZZZZZZ	Y205635.D	12/18/23 21:01	n/a	(unrelated sample)
ZZZZZZ	Y205637.D	12/18/23 21:45	n/a	(unrelated sample)
ZZZZZZ	Y205638.D	12/18/23 22:07	n/a	(unrelated sample)
ZZZZZZ	Y205639.D	12/18/23 22:28	n/a	(unrelated sample)
ZZZZZZ	Y205640.D	12/18/23 22:50	n/a	(unrelated sample)

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MB1	6P513343.D	1	12/20/23	KH	12/12/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MB1	6P513343.D	1	12/20/23	KH	12/12/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MB1	6P513343.D	1	12/20/23	KH	12/12/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	28%	10-99%
4165-62-2	Phenol-d5	29%	10-96%
118-79-6	2,4,6-Tribromophenol	31%	10-123%
4165-60-0	Nitrobenzene-d5	28%	10-109%
321-60-8	2-Fluorobiphenyl	26%	11-109%
1718-51-0	Terphenyl-d14	39%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
625-86-5	system artifact	2.88	260	ug/kg	JN
2216-30-0	system artifact	3.68	150	ug/kg	JN
3074-71-3	system artifact	3.81	180	ug/kg	JN
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-BS1	6P513344.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-BSD	6P513345.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	1670	668	40	447	27	40	10-135/43
59-50-7	4-Chloro-3-methyl phenol	1670	701	42	443	27	45	10-141/46
120-83-2	2,4-Dichlorophenol	1670	628	38	410	25	42	10-139/43
105-67-9	2,4-Dimethylphenol	1670	666	40	445	27	40	10-141/44
51-28-5	2,4-Dinitrophenol	3330	1170	35	823	25	35	10-138/90
534-52-1	4,6-Dinitro-o-cresol	1670	616	37	452	27	31	10-156/64
95-48-7	2-Methylphenol	1670	662	40	461	28	36	10-139/45
	3&4-Methylphenol	3330	1360	41	926	28	38	10-174/46
88-75-5	2-Nitrophenol	1670	671	40	455	27	38	10-142/43
100-02-7	4-Nitrophenol	1670	680	41	442	27	42	10-144/51
87-86-5	Pentachlorophenol	3330	1210	36	764	23	45	10-165/51
108-95-2	Phenol	1670	679	41	462	28	38	23-115/45
58-90-2	2,3,4,6-Tetrachlorophenol	1670	551	33	384	23	36	10-146/48
95-95-4	2,4,5-Trichlorophenol	1670	627	38	402	24	44	13-136/47
88-06-2	2,4,6-Trichlorophenol	1670	615	37	401	24	42	10-142/46
83-32-9	Acenaphthene	1670	669	40	442	27	41	10-141/45
208-96-8	Acenaphthylene	1670	799	48	537	32	39	10-133/45
98-86-2	Acetophenone	1670	672	40	465	28	36	23-115/44
120-12-7	Anthracene	1670	708	42	445	27	46	10-144/49
1912-24-9	Atrazine	1670	736	44	458	27	47	17-149/47
56-55-3	Benzo(a)anthracene	1670	720	43	476	29	41	11-139/48
50-32-8	Benzo(a)pyrene	1670	847	51	548	33	43	13-141/48
205-99-2	Benzo(b)fluoranthene	1670	885	53	568	34	44	14-140/48
191-24-2	Benzo(g,h,i)perylene	1670	773	46	459	28	51* [a]	13-138/50
207-08-9	Benzo(k)fluoranthene	1670	907	54	551	33	49* [a]	12-140/47
101-55-3	4-Bromophenyl phenyl ether	1670	707	42	468	28	41	10-146/47
85-68-7	Butyl benzyl phthalate	1670	879	53	577	35	41	10-150/48
92-52-4	1,1'-Biphenyl	1670	632	38	426	26	39	10-141/44
100-52-7	Benzaldehyde	1670	639	38	447	27	35	10-146/43
91-58-7	2-Chloronaphthalene	1670	634	38	427	26	39	10-142/42
106-47-8	4-Chloroaniline	1670	135	8* [b]	68.5	4* [b]	65* [a]	10-108/56
86-74-8	Carbazole	1670	687	41	440	26	44	10-145/49
105-60-2	Caprolactam	1670	870	52	538	32	47	10-187/57
218-01-9	Chrysene	1670	700	42	461	28	41	11-139/48
111-91-1	bis(2-Chloroethoxy)methane	1670	685	41	471	28	37	10-144/42
111-44-4	bis(2-Chloroethyl)ether	1670	709	43	474	28	40	10-145/43

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-BS1	6P513344.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-BSD	6P513345.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	653	39	457	27	35	10-145/43
7005-72-3	4-Chlorophenyl phenyl ether	1670	584	35	409	25	35	10-145/46
121-14-2	2,4-Dinitrotoluene	1670	725	44	464	28	44	10-148/49
606-20-2	2,6-Dinitrotoluene	1670	742	45	469	28	45	12-145/48
91-94-1	3,3'-Dichlorobenzidine	1670	509	31	355	21	36	10-100/62
123-91-1	1,4-Dioxane	1670	481	29	349	21	32	10-97/37
53-70-3	Dibenzo(a,h)anthracene	1670	749	45	469	28	46	14-142/48
132-64-9	Dibenzofuran	1670	644	39	423	25	41	10-140/46
84-74-2	Di-n-butyl phthalate	1670	711	43	467	28	41	11-147/47
117-84-0	Di-n-octyl phthalate	1670	1340	80	735	44	58* [a]	15-145/49
84-66-2	Diethyl phthalate	1670	650	39	445	27	37	10-145/46
131-11-3	Dimethyl phthalate	1670	636	38	433	26	38	10-144/47
117-81-7	bis(2-Ethylhexyl)phthalate	1670	889	53	573	34	43	26-132/48
206-44-0	Fluoranthene	1670	708	42	441	26	46	10-147/48
86-73-7	Fluorene	1670	618	37	428	26	36	12-139/45
118-74-1	Hexachlorobenzene	1670	646	39	424	25	41	10-144/48
87-68-3	Hexachlorobutadiene	1670	602	36	391	23	42* [a]	10-142/41
77-47-4	Hexachlorocyclopentadiene	3330	1790	54	1270	38	34	10-120/53
67-72-1	Hexachloroethane	1670	634	38	414	25	42* [a]	10-141/41
193-39-5	Indeno(1,2,3-cd)pyrene	1670	740	44	468	28	45	13-144/52
78-59-1	Isophorone	1670	698	42	485	29	36	10-139/44
91-57-6	2-Methylnaphthalene	1670	653	39	429	26	41	10-140/42
88-74-4	2-Nitroaniline	1670	758	45	518	31	38	10-148/42
99-09-2	3-Nitroaniline	1670	363	22	227	14	46* [a]	10-127/45
100-01-6	4-Nitroaniline	1670	597	36	401	24	39	10-143/46
91-20-3	Naphthalene	1670	657	39	439	26	40	10-141/40
98-95-3	Nitrobenzene	1670	723	43	497	30	37	10-139/42
621-64-7	N-Nitroso-di-n-propylamine	1670	713	43	495	30	36	10-143/41
86-30-6	N-Nitrosodiphenylamine	1670	637	38	444	27	36	10-145/45
85-01-8	Phenanthrene	1670	693	42	440	26	45	10-142/47
129-00-0	Pyrene	1670	732	44	511	31	36	13-141/46
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	613	37	411	25	39	10-143/42

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-BS1	6P513344.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-BSD	6P513345.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
367-12-4	2-Fluorophenol	41%	29%	10-99%
4165-62-2	Phenol-d5	44%	30%	10-96%
118-79-6	2,4,6-Tribromophenol	43%	31%	10-123%
4165-60-0	Nitrobenzene-d5	44%	30%	10-109%
321-60-8	2-Fluorobiphenyl	38%	26%	11-109%
1718-51-0	Terphenyl-d14	45%	31%	10-120%

(a) Analytical precision exceeds in-house control limits.
(b) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MS	6P513348.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-MSD	6P513349.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
JD78910-1	6P513350.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78910-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		2040	1130	55	2000	1200	60	6	10-137/86
59-50-7	4-Chloro-3-methyl phenol	ND		2040	1340	66	2000	1330	67	1	10-146/84
120-83-2	2,4-Dichlorophenol	ND		2040	1160	57	2000	1210	61	4	10-145/86
105-67-9	2,4-Dimethylphenol	ND		2040	1250	61	2000	1240	62	1	10-148/87
51-28-5	2,4-Dinitrophenol	ND		4070	856	21	4000	831	21	3	10-118/90
534-52-1	4,6-Dinitro-o-cresol	ND		2040	769	38	2000	733	37	5	10-131/97
95-48-7	2-Methylphenol	ND		2040	1220	60	2000	1210	61	1	10-143/86
	3&4-Methylphenol	ND		4070	2570	63	4000	2570	64	0	10-162/87
88-75-5	2-Nitrophenol	ND		2040	1210	59	2000	1320	66	9	10-147/93
100-02-7	4-Nitrophenol	ND		2040	1360	67	2000	1300	65	5	10-152/85
87-86-5	Pentachlorophenol	ND		4070	2340	57	4000	2340	59	0	10-146/89
108-95-2	Phenol	ND		2040	1180	58	2000	1240	62	5	10-118/84
58-90-2	2,3,4,6-Tetrachlorophenol	ND		2040	1190	58	2000	1170	59	2	10-139/87
95-95-4	2,4,5-Trichlorophenol	ND		2040	1210	59	2000	1240	62	2	10-140/86
88-06-2	2,4,6-Trichlorophenol	ND		2040	1230	60	2000	1260	63	2	10-141/86
83-32-9	Acenaphthene	ND		2040	1410	69	2000	1350	68	4	10-156/87
208-96-8	Acenaphthylene	104		2040	1850	86	2000	1890	89	2	10-143/84
98-86-2	Acetophenone	ND		2040	1210	59	2000	1260	63	4	10-130/90
120-12-7	Anthracene	44.0		2040	1500	71	2000	1480	72	1	10-166/88
1912-24-9	Atrazine	ND		2040	1590	78	2000	1460	73	9	10-148/86
56-55-3	Benzo(a)anthracene	323		2040	1780	72	2000	2050	86	14	10-163/88
50-32-8	Benzo(a)pyrene	359		2040	2000	81	2000	2320	98	15	10-163/89
205-99-2	Benzo(b)fluoranthene	393		2040	1960	77	2000	2410	101	21	10-156/91
191-24-2	Benzo(g,h,i)perylene	193		2040	1880	83	2000	1900	85	1	10-158/89
207-08-9	Benzo(k)fluoranthene	141		2040	1790	81	2000	1760	81	2	10-157/86
101-55-3	4-Bromophenyl phenyl ether	ND		2040	1460	72	2000	1450	73	1	10-143/87
85-68-7	Butyl benzyl phthalate	ND		2040	1900	93	2000	1760	88	8	10-161/89
92-52-4	1,1'-Biphenyl	ND		2040	1280	63	2000	1320	66	3	10-143/86
100-52-7	Benzaldehyde	ND		2040	931	46	2000	1180	59	24	10-148/88
91-58-7	2-Chloronaphthalene	ND		2040	1250	61	2000	1310	66	5	10-145/86
106-47-8	4-Chloroaniline	ND		2040	495	24	2000	350	18	34	10-109/87
86-74-8	Carbazole	7.2	J	2040	1490	73	2000	1400	70	6	10-158/87
105-60-2	Caprolactam	ND		2040	1620	80	2000	1610	81	1	10-150/82
218-01-9	Chrysene	235		2040	1670	70	2000	1810	79	8	10-164/87
111-91-1	bis(2-Chloroethoxy)methane	ND		2040	1290	63	2000	1350	68	5	10-152/86
111-44-4	bis(2-Chloroethyl)ether	ND		2040	1150	56	2000	1280	64	11	10-147/86

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MS	6P513348.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-MSD	6P513349.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
JD78910-1	6P513350.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78910-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		2040	1090	54	2000	1230	62	12	10-134/88
7005-72-3	4-Chlorophenyl phenyl ether	ND		2040	1270	62	2000	1240	62	2	10-142/87
121-14-2	2,4-Dinitrotoluene	ND		2040	1550	76	2000	1450	73	7	10-147/86
606-20-2	2,6-Dinitrotoluene	ND		2040	1540	76	2000	1490	75	3	10-147/88
91-94-1	3,3'-Dichlorobenzidine	ND		2040	1160	57	2000	1090	55	6	10-106/93
123-91-1	1,4-Dioxane	ND		2040	630	31	2000	861	43	31	10-102/85
53-70-3	Dibenzo(a,h)anthracene	53.5		2040	1730	82	2000	1580	76	9	10-149/89
132-64-9	Dibenzofuran	ND		2040	1340	66	2000	1300	65	3	10-155/86
84-74-2	Di-n-butyl phthalate	ND		2040	1520	75	2000	1520	76	0	10-158/86
117-84-0	Di-n-octyl phthalate	ND		2040	2100	103	2000	2100	105	0	10-154/84
84-66-2	Diethyl phthalate	ND		2040	1420	70	2000	1390	70	2	10-148/84
131-11-3	Dimethyl phthalate	ND		2040	1390	68	2000	1360	68	2	10-144/85
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2040	1820	89	2000	1780	89	2	10-153/84
206-44-0	Fluoranthene	435		2040	1820	68	2000	2440	100	29	10-165/93
86-73-7	Fluorene	ND		2040	1350	66	2000	1340	67	1	10-158/87
118-74-1	Hexachlorobenzene	ND		2040	1300	64	2000	1300	65	0	10-139/85
87-68-3	Hexachlorobutadiene	ND		2040	1010	50	2000	1120	56	10	10-139/88
77-47-4	Hexachlorocyclopentadiene	ND		4070	2820	69	4000	2870	72	2	10-116/30
67-72-1	Hexachloroethane	ND		2040	948	47	2000	1110	56	16	10-141/93
193-39-5	Indeno(1,2,3-cd)pyrene	188		2040	1970	87	2000	1940	88	2	10-160/91
78-59-1	Isophorone	ND		2040	1320	65	2000	1410	71	7	10-150/86
91-57-6	2-Methylnaphthalene	ND		2040	1210	59	2000	1280	64	6	10-145/86
88-74-4	2-Nitroaniline	ND		2040	1590	78	2000	1620	81	2	10-152/77
99-09-2	3-Nitroaniline	ND		2040	1100	54	2000	993	50	10	10-136/83
100-01-6	4-Nitroaniline	ND		2040	1300	64	2000	1200	60	8	10-140/81
91-20-3	Naphthalene	ND		2040	1160	57	2000	1270	64	9	10-146/87
98-95-3	Nitrobenzene	ND		2040	1300	64	2000	1410	71	8	10-146/88
621-64-7	N-Nitroso-di-n-propylamine	ND		2040	1320	65	2000	1360	68	3	10-147/77
86-30-6	N-Nitrosodiphenylamine	ND		2040	1410	69	2000	1370	69	3	10-159/78
85-01-8	Phenanthrene	50.2		2040	1470	70	2000	1430	69	3	10-158/95
129-00-0	Pyrene	515		2040	2050	75	2000	2520	100	21	10-176/90
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		2040	1180	58	2000	1210	61	3	10-137/87

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51259-MS	6P513348.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
OP51259-MSD	6P513349.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061
JD78910-1	6P513350.D	1	12/20/23	KH	12/19/23	OP51259	E6P4061

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79009-1, JD79009-2, JD79009-3

CAS No.	Surrogate Recoveries	MS	MSD	JD78910-1	Limits
367-12-4	2-Fluorophenol	58%	65%		10-99%
4165-62-2	Phenol-d5	64%	68%		10-96%
118-79-6	2,4,6-Tribromophenol	81%	77%		10-123%
4165-60-0	Nitrobenzene-d5	65%	72%	61%	10-109%
321-60-8	2-Fluorobiphenyl	63%	65%	55%	11-109%
1718-51-0	Terphenyl-d14	82%	76%	71%	10-120%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-DFTPP
Lab File ID: 6P513200.D
Instrument ID: GCMS6P
Injection Date: 12/12/23
Injection Time: 02:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73352	49.1		Pass
68	Less than 2.0% of mass 69	1184	0.79	(1.74) [a]	Pass
69	Mass 69 relative abundance	68227	45.7		Pass
70	Less than 2.0% of mass 69	619	0.41	(0.91) [a]	Pass
127	40.0 - 60.0% of mass 198	77016	51.6		Pass
197	Less than 1.0% of mass 198	1428	0.96		Pass
198	Base peak, 100% relative abundance	149272	100.0		Pass
199	5.0 - 9.0% of mass 198	10464	7.01		Pass
275	10.0 - 30.0% of mass 198	40471	27.1		Pass
365	1.0 - 100.0% of mass 198	5208	3.49		Pass
441	Present, but less than mass 443	16389	11.0	(83.9) [b]	Pass
442	40.0 - 100.0% of mass 198	105744	70.8		Pass
443	17.0 - 23.0% of mass 442	19528	13.1	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4054-ICC4054	6P513202.D	12/12/23	02:46	00:36	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23	03:08	00:58	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23	03:30	01:20	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23	03:53	01:43	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23	04:15	02:05	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23	04:37	02:27	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23	05:00	02:50	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23	05:22	03:12	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23	05:45	03:35	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23	06:07	03:57	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23	06:29	04:19	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-DFTPP
Lab File ID: 6P513214.D
Instrument ID: GCMS6P
Injection Date: 12/12/23
Injection Time: 08:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	46606	47.9		Pass
68	Less than 2.0% of mass 69	788	0.81	(1.88) [a]	Pass
69	Mass 69 relative abundance	41983	43.2		Pass
70	Less than 2.0% of mass 69	270	0.28	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	49451	50.8		Pass
197	Less than 1.0% of mass 198	868	0.89		Pass
198	Base peak, 100% relative abundance	97253	100.0		Pass
199	5.0 - 9.0% of mass 198	6791	6.98		Pass
275	10.0 - 30.0% of mass 198	26771	27.5		Pass
365	1.0 - 100.0% of mass 198	3604	3.71		Pass
441	Present, but less than mass 443	11500	11.8	(86.3) [b]	Pass
442	40.0 - 100.0% of mass 198	72365	74.4		Pass
443	17.0 - 23.0% of mass 442	13333	13.7	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4055-ICC4055	6P513215.D	12/12/23	09:00	00:13	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23	09:22	00:35	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23	09:43	00:56	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23	10:05	01:18	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23	10:26	01:39	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23	10:48	02:01	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23	11:09	02:22	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23	11:30	02:43	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23	11:52	03:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8285-DFTPP
Lab File ID: M191283.D
Instrument ID: GCMSM
Injection Date: 09/13/23
Injection Time: 17:42

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	18792	30.5		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	21368	34.7		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	27365	44.5		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	61541	100.0		Pass
199	5.0 - 9.0% of mass 198	4141	6.73		Pass
275	10.0 - 30.0% of mass 198	14590	23.7		Pass
365	1.0 - 100.0% of mass 198	1891	3.07		Pass
441	Present, but less than mass 443	8796	14.3	(82.2) [b]	Pass
442	40.0 - 100.0% of mass 198	54526	88.6		Pass
443	17.0 - 23.0% of mass 442	10701	17.4	(19.6) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM8285-IC8285	M191284.D	09/13/23	18:02	00:20	Initial cal 1
EM8285-IC8285	M191285.D	09/13/23	18:34	00:52	Initial cal 2
EM8285-IC8285	M191286.D	09/13/23	19:06	01:24	Initial cal 5
EM8285-IC8285	M191287.D	09/13/23	19:38	01:56	Initial cal 10
EM8285-IC8285	M191288.D	09/13/23	20:09	02:27	Initial cal 25
EM8285-ICC8285	M191289.D	09/13/23	20:41	02:59	Initial cal 50
EM8285-IC8285	M191290.D	09/13/23	21:13	03:31	Initial cal 80
EM8285-IC8285	M191291.D	09/13/23	21:45	04:03	Initial cal 100
EM8285-ICV8285	M191292.D	09/13/23	22:17	04:35	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-DFTPP
Lab File ID: M191294.D
Instrument ID: GCMSM
Injection Date: 09/14/23
Injection Time: 08:12

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	16849	30.6		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	19430	35.3		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	25482	46.3		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	55056	100.0		Pass
199	5.0 - 9.0% of mass 198	3646	6.62		Pass
275	10.0 - 30.0% of mass 198	12749	23.2		Pass
365	1.0 - 100.0% of mass 198	1740	3.16		Pass
441	Present, but less than mass 443	7496	13.6	(80.7) [b]	Pass
442	40.0 - 100.0% of mass 198	45476	82.6		Pass
443	17.0 - 23.0% of mass 442	9287	16.9	(20.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
EM8286-IC8286	M191295.D	09/14/23	08:56	00:44	Initial cal 100
EM8286-IC8286	M191296.D	09/14/23	09:28	01:16	Initial cal 80
EM8286-ICC8286	M191297.D	09/14/23	09:59	01:47	Initial cal 50
EM8286-IC8286	M191298.D	09/14/23	10:31	02:19	Initial cal 25
EM8286-IC8286	M191299.D	09/14/23	11:03	02:51	Initial cal 10
EM8286-IC8286	M191300.D	09/14/23	11:34	03:22	Initial cal 5
EM8286-IC8286	M191301.D	09/14/23	12:05	03:53	Initial cal 2
EM8286-IC8286	M191302.D	09/14/23	12:40	04:28	Initial cal 1
EM8286-ICV8286	M191304.D	09/14/23	13:44	05:32	Initial cal verification 50
EM8286-ICV8286	M191305.D	09/14/23	14:15	06:03	Initial cal verification 50
EM8286-ICV8286	M191306.D	09/14/23	14:49	06:37	Initial cal verification 50
EM8286-ICV8286	M191307.D	09/14/23	15:27	07:15	Initial cal verification 50

Internal Standard Area Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: E6P4061-CC4054 **Injection Date:** 12/20/23
Lab File ID: 6P513337.D **Injection Time:** 09:48
Instrument ID: GCMS6P **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	133746	4.67	525775	5.38	276236	6.53	505958	7.72	453673	10.19	586129	11.59
Check Std [b]	125227	4.64	502230	5.35	257993	6.49	444795	7.67	415066	10.14	432168	11.53
Upper Limit [c]	250454	4.81	1004460	5.52	515986	6.66	889590	7.84	830132	10.31	864336	11.70
Lower Limit [d]	62614	4.47	251115	5.18	128997	6.32	222398	7.50	207533	9.97	216084	11.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP50990-BS1	185290	4.64	769447	5.35	378202	6.49	622146	7.68	474537	10.14	391059	11.54
OP51209-MB1	175091	4.64	763013	5.35	404946	6.49	712839	7.67	450575	10.14	401847	11.53
OP51209-BS1	174085	4.64	750279	5.35	393670	6.49	672651	7.67	483479	10.14	396806	11.53
OP51209-BSD	143598	4.64	585838	5.35	299475	6.49	509239	7.67	416572	10.14	367969	11.53
OP51259-MB1	145994	4.64	597425	5.35	308430	6.49	534437	7.67	390341	10.14	348746	11.52
OP51259-BS1	188537	4.64	764449	5.35	391516	6.49	669648	7.67	526929	10.14	411417	11.53
OP51259-BSD	169508	4.64	693571	5.35	351112	6.49	584089	7.67	445453	10.14	395360	11.52
ZZZZZZ	120429	4.64	493695	5.35	248216	6.49	415491	7.67	305580	10.14	310069	11.52
ZZZZZZ	87246	4.64	365083	5.35	182584	6.49	328073	7.67	294477	10.14	348279	11.53
OP51259-MS	115812	4.64	462373	5.35	219898	6.49	378929	7.67	297687	10.14	313033	11.53
OP51259-MSD	114767	4.64	444733	5.35	219904	6.49	367956	7.67	306345	10.14	298838	11.53
JD78910-1	123921	4.64	486405	5.35	239892	6.49	407307	7.67	294185	10.14	304362	11.53
ZZZZZZ	140752	4.64	568401	5.35	272392	6.49	458173	7.67	303236	10.14	352912	11.53
ZZZZZZ	156533	4.64	632216	5.35	306217	6.49	509163	7.68	415511	10.15	530688	11.55
JD78696-1	98944	4.64	423868	5.35	219909	6.50	403745	7.68	425501	10.16	477829	11.55
OP51209-MS [e]	105485	4.64	449349	5.35	235370	6.49	435193	7.68	424895	10.16	466977	11.56
OP51209-MSD [e]	125823	4.64	543334	5.35	296552	6.49	536390	7.68	537600	10.16	596928	11.57
JD78774-4	140762	4.64	608579	5.35	333443	6.49	610594	7.68	626115	10.16	697134	11.57
ZZZZZZ	141603	4.65	575400	5.36	286557	6.50	474570	7.68	367004	10.16	432871	11.55
ZZZZZZ	154725	4.66	603831	5.37	304256	6.50	495056	7.68	370365	10.16	428391	11.55
ZZZZZZ	162779	4.64	655873	5.35	312189	6.49	509619	7.68	359399	10.16	404509	11.55

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E6P4054-ICC4054 6P513202.D 12/12/23 02:46
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	E6P4061-CC4054	**Injection Date:**	12/20/23
Lab File ID:	6P513337.D	**Injection Time:**	09:48
Instrument ID:	GCMS6P	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(e) Dilution required due to viscosity of the extract matrix.

Internal Standard Area Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	EM8363-CC8286	**Injection Date:**	12/20/23
Lab File ID:	M192857.D	**Injection Time:**	11:56
Instrument ID:	GCMSM	**Method:**	SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	48941	4.71	172030	5.82	100068	8.19	208207	10.84	207482	16.03	245427	18.67
Check Std [b]	79602	4.56	310294	5.68	186322	7.98	352606	10.62	318987	15.81	344074	18.43
Upper Limit [c]	159204	4.73	620588	5.85	372644	8.15	705212	10.79	637974	15.98	688148	18.60
Lower Limit [d]	39801	4.39	155147	5.51	93161	7.81	176303	10.45	159494	15.64	172037	18.26

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
JD79009-1	92331	4.57	367595	5.67	210902	7.98	397061	10.61	331500	15.80	337095	18.43
JD79009-2	107296	4.57	424324	5.67	240433	7.98	410618	10.61	337143	15.80	331523	18.43
JD79009-3	107811	4.57	423868	5.67	242687	7.99	470994	10.61	393095	15.80	395170	18.43
ZZZZZZ	111395	4.57	431619	5.67	241234	7.98	449013	10.61	345699	15.80	339181	18.43
ZZZZZZ	104102	4.57	405743	5.67	230654	7.98	435709	10.62	351111	15.80	343319	18.43
ZZZZZZ	98674	4.57	387187	5.67	219126	7.98	413929	10.61	331282	15.80	315287	18.43
ZZZZZZ	108504	4.57	427468	5.67	245070	7.98	461391	10.61	372625	15.80	314911	18.43
ZZZZZZ	111062	4.57	433875	5.67	246491	7.98	461101	10.61	381551	15.80	366855	18.43
ZZZZZZ	103805	4.57	399717	5.67	235365	7.98	451012	10.61	385747	15.80	375557	18.43
ZZZZZZ	106959	4.57	423064	5.67	246728	7.98	468337	10.61	396682	15.80	383491	18.43
ZZZZZZ	106951	4.57	427483	5.67	243783	7.98	463303	10.61	391780	15.80	386769	18.43
ZZZZZZ	105580	4.57	419051	5.67	245520	7.98	468318	10.61	399115	15.79	389538	18.43
ZZZZZZ	101516	4.57	397383	5.67	174252	7.98	426366	10.61	319491	15.80	231297	18.43
ZZZZZZ	112880	4.57	437686	5.67	243912	7.98	450985	10.61	380000	15.80	382396	18.43
ZZZZZZ	103451	4.57	408247	5.67	233006	7.98	443795	10.61	376592	15.80	367465	18.43
ZZZZZZ	105990	4.57	418569	5.67	240022	7.98	460679	10.61	392611	15.80	375852	18.43
ZZZZZZ	106783	4.57	425046	5.67	248009	7.98	474569	10.61	405057	15.80	390019	18.42

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: EM8286-ICC8286 M191297.D 09/14/23 09:59
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD79009-1	M192862.D	33	39	34	36	35	40
JD79009-2	M192863.D	54	63	60	59	55	68
JD79009-3	M192864.D	59	72	70	65	64	82
OP51259-BS1	6P513344.D	41	44	43	44	38	45
OP51259-BSD	6P513345.D	29	30	31	30	26	31
OP51259-MB1	6P513343.D	28	29	31	28	26	39
OP51259-MS	6P513348.D	58	64	81	65	63	82
OP51259-MSD	6P513349.D	65	68	77	72	65	76

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-99%
S2 = Phenol-d5	10-96%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	10-109%
S5 = 2-Fluorobiphenyl	11-109%
S6 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Initial Calibration

Calibration Files
2 =6p513204.D 5 =6p513205.D 25 =6p513207.D 80 =6p513208.D
100 =6p513209.D 50 =6p513202.D 1 =6p513203.D 10 =6p513206.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.435	0.488	0.444	0.527	0.512	0.443	0.497	0.524	0.484	7.86
3) Pyridine	1.250	1.242	1.223	1.438	1.444	1.251	1.449	1.424	1.340	7.91
4) N-Nitrosodim	0.606	0.610	0.608	0.737	0.745	0.647	0.674	0.713	0.668	8.79
5) 2-Fluorophen	1.021	1.136	1.054	1.286	1.287	1.210	1.205	1.203	1.175	8.37
6) Indene	2.137	2.160	1.904	2.393	2.467	2.239	2.311	2.202	2.227	7.78
7) Cumene	2.810	2.868	2.556	3.148	3.135	2.928	3.058	2.919	2.928	6.63
8) Phenol-d5	1.397	1.446	1.284	1.574	1.609	1.500	1.549	1.446	1.476	7.17
9) Phenol	1.562	1.564	1.376	1.687	1.719	1.610	1.636	1.608	1.595	6.53
10) Aniline	1.815	1.888	1.663	2.050	2.100	2.032	2.024	1.967	1.942	7.51
11) bis(2-Chloro	1.218	1.248	1.083	1.291	1.335	1.268	1.344	1.287	1.259	6.54
12) 2-Chlorophen	1.266	1.295	1.181	1.520	1.557	1.387	1.400	1.377	1.373	9.16
13) Decane	1.688	1.725	1.511	1.914	1.907	1.775	1.872	1.709	1.763	7.69
14) 1,3-Dichloro	1.402	1.458	1.277	1.566	1.574	1.482	1.483	1.450	1.461	6.45
15) 1,4-Dichloro	1.436	1.477	1.296	1.591	1.603	1.488	1.646	1.499	1.505	7.40
16) Benzyl alcoh	0.820	0.810	0.704	0.888	0.933	0.870	0.874	0.826	0.841	8.16
17) 1,2-Dichloro	1.373	1.370	1.218	1.488	1.513	1.410	1.475	1.407	1.407	6.62
18) Acetophenone	1.805	1.827	1.555	1.953	2.072	1.890	2.041	1.902	1.881	8.59
19) 2-Methylphen	1.093	1.121	0.983	1.198	1.251	1.167	1.246	1.155	1.152	7.62
20) 2,2'-oxybis(	0.385	0.383	0.332	0.417	0.435	0.395	0.431	0.390	0.396	8.31
21) 3&4-Methylph	1.193	1.166	1.045	1.319	1.375	1.273	1.297	1.241	1.239	8.33
22) n-Nitroso-di	0.890	0.883	0.753	0.990	1.072	0.961	1.023	0.933	0.938	10.50
23) Hexachloroet	0.490	0.460	0.415	0.517	0.523	0.489	0.483	0.476	0.482	7.05
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.309	0.317	0.300	0.365	0.367	0.343	0.351	0.320	0.334	7.76
26) Nitrobenzene	0.319	0.325	0.297	0.364	0.369	0.344	0.323	0.334	0.334	7.18
27) Quinoline	0.581	0.577	0.515	0.618	0.640	0.607	0.667	0.620	0.603	7.65
28) Isophorone	0.589	0.581	0.524	0.640	0.673	0.643	0.637	0.613	0.613	7.67
29) 2-Nitropheno	0.149	0.159	0.151	0.207	0.215	0.187	0.158	0.166	0.174	14.82
30) 2,4-Dimethyl	0.304	0.316	0.285	0.357	0.363	0.338	0.340	0.323	0.328	8.09
31) Benzoic acid		0.190	0.199	0.261	0.270	0.242		0.233	0.232	13.98
32) bis(2-Chloro	0.368	0.372	0.335	0.407	0.417	0.399	0.406	0.385	0.386	7.00
33) 2,4-Dichloro	0.254	0.258	0.233	0.292	0.297	0.272	0.256	0.260	0.265	7.87
34) 2,6-Dichloro	0.260	0.246	0.232	0.300	0.309	0.275	0.267	0.256	0.268	9.64
35) 1,3,5-Trichl	0.306	0.299	0.281	0.352	0.355	0.315	0.324	0.304	0.317	8.09
36) 1,2,4-Trichl	0.282	0.288	0.259	0.318	0.320	0.294	0.317	0.288	0.296	7.26
37) 1,2,3-Trichl	0.284	0.280	0.250	0.303	0.303	0.285	0.310	0.283	0.287	6.54
38) Naphthalene	0.984	0.995	0.878	1.075	1.090	1.012	1.031	0.990	1.007	6.46
39) 4-Chloroanil	0.379	0.379	0.357	0.462	0.475	0.424	0.401	0.396	0.409	10.22
40) 2,3-Dichloro	0.291	0.290	0.260	0.337	0.356	0.319	0.330	0.306	0.311	9.88
41) Hydroquinone	0.241	0.233	0.221	0.280	0.287	0.272	0.352	0.253	0.267	15.38
42) Hexachlorobu	0.164	0.162	0.141	0.178	0.179	0.167	0.167	0.160	0.165	7.25
43) 4-Chloro-3-m	0.246	0.250	0.223	0.277	0.282	0.273	0.273	0.260	0.261	7.66
44) 2-Methylnaph	0.548	0.549	0.502	0.618	0.644	0.587	0.620	0.571	0.580	8.06
45) 1-Methylnaph	0.582	0.572	0.508	0.642	0.666	0.578	0.624	0.589	0.595	8.22

```
46) I   Acenaphthene-d10      ----------------ISTD---------------------
47) Hexachlorocy       0.240 0.243 0.331 0.341 0.297       0.248 0.283  16.22
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.00114 + 0.23412 *A + 0.02250 *A^2

48) 1,2,4,5-tetr 0.546 0.573 0.511 0.617 0.621 0.566 0.592 0.556 0.573   6.41
49) 2,4,6-Trichl 0.333 0.364 0.327 0.417 0.440 0.387 0.368 0.367 0.375  10.22
50) 2,4,5-Trichl 0.353 0.371 0.355 0.424 0.413 0.384 0.420 0.387 0.388   7.25
51) 2-Fluorobiph 1.320 1.374 1.217 1.476 1.487 1.381 1.502 1.366 1.390   6.93
52) 2-Chloronaph 1.117 1.162 1.019 1.217 1.218 1.128 1.187 1.137 1.148   5.65
53) Biphenyl     1.488 1.513 1.374 1.673 1.697 1.540 1.589 1.541 1.552   6.65
54) 2-Nitroanili 0.284 0.288 0.278 0.357 0.364 0.341 0.323 0.298 0.317  10.79
55) Dimethylphth 1.225 1.259 1.114 1.348 1.384 1.313 1.360 1.302 1.288   6.82
56) Acenaphthyle 1.358 1.416 1.278 1.571 1.588 1.471 1.506 1.432 1.453   7.21
57) 2,6-Dinitrot 0.192 0.214 0.217 0.289 0.293 0.275 0.238 0.236 0.244  15.43
58) 3-Nitroanili 0.239 0.253 0.261 0.338 0.347 0.312 0.261 0.288 0.287  14.20
59) Acenaphthene 1.241 1.258 1.146 1.420 1.453 1.312 1.349 1.294 1.309   7.57
60) 2,4-Dinitrop 0.075 0.096 0.119 0.194 0.201 0.176       0.126 0.141  35.11
            ---- Quadratic regression ----  Coefficient =  0.9971
              Response Ratio = -0.00642 + 0.12539 *A + 0.01637 *A^2

61) 4-Nitropheno 0.129 0.130 0.138 0.182 0.186 0.170 0.150 0.156 0.155  14.46
62) Dibenzofuran 1.552 1.603 1.429 1.767 1.837 1.618 1.769 1.620 1.649   8.11
63) 2,4-Dinitrot 0.260 0.293 0.298 0.405 0.435 0.380 0.290 0.324 0.336  18.76
64) 2,3,4,6-Tetr 0.294 0.316 0.281 0.359 0.366 0.347 0.355 0.317 0.329   9.63
65) Diethylphtha 1.203 1.194 1.095 1.380 1.435 1.333 1.368 1.290 1.287   8.90
66) Fluorene     1.227 1.290 1.135 1.454 1.499 1.345 1.385 1.289 1.328   8.96
67) 4-Chlorophen 0.587 0.589 0.518 0.657 0.680 0.615 0.673 0.606 0.615   8.74
68) 4-Nitroanili 0.259 0.264 0.270 0.340 0.346 0.320 0.259 0.302 0.295  12.39

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.084 0.095 0.132 0.140 0.126       0.091 0.111  21.75
            ---- Quadratic regression ----  Coefficient =  0.9982
              Response Ratio = -0.00292 + 0.09941 *A + 0.01721 *A^2

71) n-Nitrosodip 0.555 0.646 0.537 0.647 0.670 0.606 0.623 0.583 0.609   7.72
72) 1,2-Diphenyl 0.672 0.769 0.646 0.766 0.798 0.725 0.704 0.708 0.723   7.16
73) pentachloron 0.028 0.036 0.032 0.044 0.046 0.041       0.036 0.038# 17.33
74) 2,4,6-Tribro 0.088 0.110 0.088 0.109 0.113 0.104 0.094 0.095 0.100  10.02
75) 4-Bromopheny 0.165 0.206 0.164 0.201 0.211 0.195 0.198 0.186 0.191   9.39
76) Hexachlorobe 0.233 0.254 0.206 0.248 0.256 0.237 0.247 0.229 0.239   6.95
77) Pentachlorop 0.125 0.147 0.131 0.181 0.195 0.167       0.139 0.155  16.98
78) Phenanthrene 1.021 1.005 0.909 1.112 1.158 1.062 1.150 1.038 1.057   7.85
79) Anthracene   0.999 0.980 0.919 1.136 1.181 1.073 1.093 1.042 1.053   8.15
80) Carbazole    0.894 0.915 0.832 1.035 1.074 0.996 0.974 0.945 0.958   8.20
81) Di-n-butylph 1.007 1.014 0.997 1.290 1.386 1.245 1.162 1.132 1.154  12.54
82) Fluoranthene 0.876 0.987 0.952 1.243 1.309 1.114 1.051 1.091 1.078  13.47
83) Octadecane   0.474 0.528 0.447 0.563 0.591 0.536 0.505 0.472 0.514   9.56

84) I   Chrysene-d12          ----------------ISTD---------------------
85) benzidine    0.381 0.420 0.442 0.659       0.570       0.443 0.486  21.80
            ---- Quadratic regression ----  Coefficient =  0.9993
              Response Ratio = 0.00067 + 0.38164 *A + 0.13973 *A^2

86) Pyrene       1.214 1.252 1.115 1.216 1.257 1.301 1.318 1.224 1.237   5.05
87) Terphenyl-d1 0.927 0.990 0.863 0.957 1.009 0.973 0.972 0.971 0.958   4.72
88) Butylbenzylp 0.425 0.462 0.444 0.532 0.552 0.535 0.487 0.484 0.490   9.43
89) Benzo[a]anth 1.185 1.196 1.100 1.274 1.273 1.225 1.373 1.238 1.233   6.44
90) 3,3'-Dichlor 0.361 0.383 0.388 0.482 0.478 0.452 0.426 0.419 0.424  10.60
```

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

91) Chrysene	1.131	1.161	1.027	1.158	1.147	1.113	1.254	1.174	1.146	5.55
92) bis(2-Ethylh	0.704	0.727	0.724	0.878	0.906	0.877	0.881	0.813	0.814	10.25
93) I Perylene-d12	----------ISTD----------									
94) Di-n-octylph	0.827	0.877	0.934	1.223		1.103	0.908	1.032	0.986	14.23
95) Benzo[b]fluo	1.008	1.036	1.019	1.353	1.365	1.216	1.129	1.149	1.159	12.28
96) Benzo[k]fluo	0.949	0.968	0.899	1.072	1.174	1.023	1.013	0.988	1.011	8.30
97) Benzo[a]pyre	0.821	0.864	0.805	1.020	1.055	0.941	1.052	0.898	0.932	10.85
98) Indeno[1,2,3	1.174	1.210	1.131	1.400	1.380	1.281	1.502	1.178	1.282	10.31
99) Dibenz(a,h)a	0.819	0.869	0.809	1.022	1.003	0.930	1.054	0.855	0.920	10.44
100) Dibenz[a,h]a	1.048	1.068	0.998	1.237	1.238	1.126	1.302	1.048	1.133	9.85
101) 7,12-Dimethy	0.353	0.368	0.373	0.509	0.543	0.475		0.411	0.433	17.44
102) Benzo[g,h,i]	1.084	1.076	0.986	1.179	1.152	1.097	1.285	1.032	1.111	8.37

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4054.M Sat Dec 16 09:23:58 2023

7.7.1

7

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513210.D Vial: 11
Acq On : 12 Dec 2023 5:45 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	4.67
2	t	1,4-Dioxane	0.484	0.557	-15.1	109	0.00	2.96
6	t	Indene	2.227	2.520	-13.2	98	0.00	4.81
7	t	Cumene	2.928	3.325	-13.6	99	0.00	4.23
11	t	bis(2-Chloroethyl)ether	1.259	1.376	-9.3	94	0.00	4.51
13	t	Decane	1.763	1.965	-11.5	96	0.00	4.55
14	t	1,3-Dichlorobenzene	1.461	1.657	-13.4	97	0.00	4.64
15	t	1,4-Dichlorobenzene	1.505	1.687	-12.1	99	0.00	4.68
16	t	Benzyl alcohol	0.841	0.918	-9.2	92	0.00	4.74
17	t	1,2-Dichlorobenzene	1.407	1.571	-11.7	97	0.00	4.76
18	t	Acetophenone	1.881	1.972	-4.8	91	0.00	4.89
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.435	-9.8	96	0.00	4.80
23	t	Hexachloroethane	0.482	0.545	-13.1	97	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	83	0.00	5.38
26	t	Nitrobenzene	0.334	0.380	-13.8	92	0.00	4.98
27	t	Quinoline	0.603	0.683	-13.3	94	-0.02	5.60
28	t	Isophorone	0.613	0.700	-14.2	90	-0.01	5.11
32	t	bis(2-Chloroethoxy)methan	0.386	0.430	-11.4	90	0.00	5.22
35		1,3,5-Trichlorobenzene	0.317	0.361	-13.9	95	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.296	0.340	-14.9	96	0.00	5.34
37		1,2,3-Trichlorobenzene	0.287	0.323	-12.5	94	0.00	5.48
38	t	Naphthalene	1.007	1.151	-14.3	95	0.00	5.39
40	t	2,3-Dichloroaniline	0.311	0.328	-5.5	85	0.00	6.00
42	t	Hexachlorobutadiene	0.165	0.189	-14.5	94	0.00	5.45
44	t	2-Methylnaphthalene	0.580	0.652	-12.4	92	0.00	5.82
45	t	1-Methylnaphthalene	0.595	0.639	-7.4	92	0.00	5.88
46	I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00	6.53
		----------	True	Calc.	% Drift	----------		
47	t	Hexachlorocyclopentadiene	100.000	121.846	-21.8	95	0.00	5.90
		----------	AvgRF	CCRF	% Dev	----------		
48		1,2,4,5-tetrachlorobenzen	0.573	0.669	-16.8	91	0.00	5.92
52	t	2-Chloronaphthalene	1.148	1.344	-17.1	91	0.00	6.14
53	t	Biphenyl	1.552	1.804	-16.2	90	0.00	6.12
55	t	Dimethylphthalate	1.288	1.450	-12.6	85	0.00	6.32
56	t	Acenaphthylene	1.453	1.701	-17.1	89	0.00	6.43

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

57	t	2,6-Dinitrotoluene	0.244	0.293	-20.1	82	0.00	6.37
59	t	Acenaphthene	1.309	1.527	-16.7	89	0.00	6.55
			AvgRF	CCRF	% Dev			
62	t	Dibenzofuran	1.649	1.872	-13.5	89	0.00	6.68
63	t	2,4-Dinitrotoluene	0.336	0.381	-13.4	77	0.00	6.66
65	t	Diethylphthalate	1.287	1.459	-13.4	84	-0.01	6.83
66	t	Fluorene	1.328	1.531	-15.3	87	0.00	6.94
67	t	4-Chlorophenyl-phenylethe	0.615	0.693	-12.7	86	0.00	6.93
69	I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00	7.72
			AvgRF	CCRF	% Dev			
72	t	1,2-Diphenylhydrazine	0.723	0.844	-16.7	85	0.00	7.06
73		pentachloronitrobenzene	0.038	0.043#	-13.2	78	0.00	7.54
75	t	4-Bromophenyl-phenylether	0.191	0.223	-16.8	83	0.00	7.33
76	t	Hexachlorobenzene	0.239	0.269	-12.6	83	0.00	7.37
78	t	Phenanthrene	1.057	1.216	-15.0	83	0.00	7.74
79	t	Anthracene	1.053	1.219	-15.8	83	0.00	7.79
80	t	Carbazole	0.958	1.120	-16.9	82	0.00	7.92
81	t	Di-n-butylphthalate	1.154	1.350	-17.0	79	0.00	8.22
82	t	Fluoranthene	1.078	1.291	-19.8	84	0.00	8.82
83	t	Octadecane	0.514	0.609	-18.5	83	0.00	7.58
84	I	Chrysene-d12	1.000	1.000	0.0	77	0.00	10.19
			AvgRF	CCRF	% Dev			
86	t	Pyrene	1.237	1.415	-14.4	83	0.00	9.03
88	t	Butylbenzylphthalate	0.490	0.593	-21.0	85	0.00	9.64
89	t	Benzo[a]anthracene	1.233	1.401	-13.6	88	0.00	10.18
91	t	Chrysene	1.146	1.333	-16.3	92	0.00	10.21
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.953	-17.1	83	0.00	10.19
93	I	Perylene-d12	1.000	1.000	0.0	73	0.00	11.58
94	t	Di-n-octylphthalate	0.986	1.261	-27.9	84	0.00	10.80
95	t	Benzo[b]fluoranthene	1.159	1.345	-16.0	81	0.00	11.19
96	t	Benzo[k]fluoranthene	1.011	1.235	-22.2	88	0.00	11.22
97	t	Benzo[a]pyrene	0.932	1.098	-17.8	86	0.00	11.52
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.565	-22.1	90	0.00	12.87
99	t	Dibenz(a,h)acridine	0.920	1.122	-22.0	88	0.00	12.56
100	t	Dibenz[a,h]anthracene	1.133	1.372	-21.1	89	0.00	12.90
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.510	-17.8	79	0.00	11.18
102	t	Benzo[g,h,i]perylene	1.111	1.341	-20.7	90	0.00	13.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0

6p513202.D M6P4054.M Sat Dec 16 09:24:19 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513211.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513211.D Vial: 12
Acq On : 12 Dec 2023 6:07 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	4.67
9	t	Phenol	1.595	1.533	3.9	95	0.00	4.45
12	t	2-Chlorophenol	1.373	1.338	2.5	97	0.00	4.55
19	t	2-Methylphenol	1.152	1.125	2.3	97	0.00	4.78
21	t	3&4-Methylphenol	1.239	1.254	-1.2	99	0.00	4.87
24	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00	5.38
29	t	2-Nitrophenol	0.174	0.173	0.6	92	0.00	5.16
30	t	2,4-Dimethylphenol	0.328	0.330	-0.6	97	0.00	5.16
31	t	Benzoic acid	0.232	0.244	-5.2	100	0.00	5.26
33	t	2,4-Dichlorophenol	0.265	0.263	0.8	96	0.00	5.28
34	t	2,6-Dichlorophenol	0.268	0.265	1.1	96	0.00	5.42
41	t	Hydroquinone	0.267	0.284	-6.4	104	0.00	5.66
43	t	4-Chloro-3-methylphenol	0.261	0.258	1.1	94	0.00	5.70
46	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00	6.53
		----------	AvgRF	CCRF	% Dev		----------	
49	t	2,4,6-Trichlorophenol	0.375	0.408	-8.8	98	0.00	5.99
50	t	2,4,5-Trichlorophenol	0.388	0.378	2.6	91	0.00	6.02
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	102.318	-2.3	89	0.00	6.57
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.155	0.172	-11.0	94	0.00	6.59
64		2,3,4,6-Tetrachlorophenol	0.329	0.346	-5.2	92	0.00	6.76
69	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00	7.72
		----------	True	Calc.	% Drift		----------	
70	t	4,6-Dinitro-2-methylpheno	50.000	49.385	1.2	88	-0.01	6.97
77	t	Pentachlorophenol	0.155	0.161	-3.9	92	0.00	7.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:23 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513212.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513212.D Vial: 13
Acq On : 12 Dec 2023 6:29 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	4.67
3 t	Pyridine	1.340	1.316	1.8	114	0.00	3.19
4 t	N-Nitrosodimethylamine	0.668	0.696	-4.2	117	0.00	3.16
10	Aniline	1.942	1.977	-1.8	106	0.00	4.49
22 t	n-Nitroso-di-n-propylamin	0.938	0.904	3.6	102	-0.01	4.88
24 I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	5.38
39 t	4-Chloroaniline	0.409	0.398	2.7	103	0.00	5.42
46 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	6.53
54 t	2-Nitroaniline	0.317	0.322	-1.6	99	0.00	6.21
58 t	3-Nitroaniline	0.287	0.315	-9.8	106	-0.01	6.50
68 t	4-Nitroaniline	0.295	0.297	-0.7	97	-0.01	6.96
69 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	7.72
	---------- True Calc. % Drift ----------						
	---------- AvgRF CCRF % Dev ----------						
71 t	n-Nitrosodiphenylamine	0.609	0.620	-1.8	106	0.00	7.02
84 I	Chrysene-d12	1.000	1.000	0.0	94	0.00	10.18
	---------- True Calc. % Drift ----------						
85	benzidine	50.000	64.151	-28.3	129	0.00	8.95
90 t	3,3'-Dichlorobenzidine	0.424	0.492	-16.0	102	0.00	10.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:27 2023

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICC4055
Lab FileID: 6P513215.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4055.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Initial Calibration

Calibration Files
2 =6p513217.D 5 =6p513219.D 25 =6p513218.D 80 =6p513222.D
100 =6p513221.D 50 =6p513215.D 1 =6p513216.D 10 =6p513220.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
103) 1,4-Dichlorobenzene-d	ISTD								
104) Benzaldehyde	1.254	1.009	1.016	1.103	1.404	1.109	0.924	1.038	1.107 13.91
105) Phenanthrene-d10a	ISTD								
106) Atrazine	0.095	0.070	0.080	0.092	0.117	0.090	0.076	0.069	0.086 18.28
107) I Naphthalene-d8a	ISTD								
108) Caprolactam	0.164	0.115	0.125	0.138	0.171	0.136	0.103	0.116	0.134 17.96
109) Phenanthrene-d10b	ISTD								
110) 1-chloroocta	0.271	0.241	0.290	0.336		0.319	0.222	0.237	0.274 15.91
111) o-terphenyl	0.595	0.483	0.503	0.577	0.741	0.552	0.461	0.434	0.543 18.04

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4054.M Sat Dec 16 10:28:35 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICV4055
Lab FileID: 6P513223.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4055\6p513223.D Vial: 10
Acq On : 12 Dec 2023 11:52 am Operator: kaleigh
Sample : icv4055-50 Inst : GCMS6P
Misc : op50594,e6p4055,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.67
104	Benzaldehyde	1.107	1.124	-1.5	96	0.00	4.44
105	Phenanthrene-d10a	1.000	1.000	0.0	100	0.00	7.71
106	Atrazine	0.086	0.090	-4.7	101	0.00	7.45
107 I	Naphthalene-d8a	1.000	1.000	0.0	96	0.00	5.38
108 T	Caprolactam	0.134	0.140	-4.5	99	0.00	5.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513215a.D M6P4054.M Sat Dec 16 10:28:52 2023

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4061-CC4054
Lab FileID: 6P513337.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4061\6p513337.D Vial: 2
Acq On : 20 Dec 2023 9:48 am Operator: kaleigh
Sample : cc4054-50 Inst : GCMS6P
Misc : op50815,e6p4061,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	94	-0.03	4.64
2	t	1,4-Dioxane	0.484	0.530	-9.5	112	-0.07	2.89
3	t	Pyridine	1.340	1.480	-10.4	111	-0.06	3.12
4	t	N-Nitrosodimethylamine	0.668	0.770	-15.3	111	-0.06	3.10
5	S	2-Fluorophenol	1.175	1.258	-7.1	97	-0.04	3.90
6	t	Indene	2.227	2.402	-7.9	100	-0.03	4.78
7	t	Cumene	2.928	3.108	-6.1	99	-0.04	4.19
8	S	Phenol-d5	1.476	1.622	-9.9	101	-0.03	4.42
9	t	Phenol	1.595	1.759	-10.3	102	-0.03	4.42
10		Aniline	1.942	2.121	-9.2	98	-0.03	4.46
11	t	bis(2-Chloroethyl)ether	1.259	1.341	-6.5	99	-0.03	4.49
12	t	2-Chlorophenol	1.373	1.490	-8.5	101	-0.03	4.52
13	t	Decane	1.763	2.207	-25.2#	116	-0.03	4.52
14	t	1,3-Dichlorobenzene	1.461	1.473	-0.8	93	-0.03	4.60
15	t	1,4-Dichlorobenzene	1.505	1.533	-1.9	96	-0.03	4.65
16	t	Benzyl alcohol	0.841	0.929	-10.5	100	-0.03	4.71
17	t	1,2-Dichlorobenzene	1.407	1.430	-1.6	95	-0.03	4.73
18	t	Acetophenone	1.881	2.043	-8.6	101	-0.03	4.86
19	t	2-Methylphenol	1.152	1.254	-8.9	101	-0.03	4.75
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.416	-5.1	99	-0.03	4.77
21	t	3&4-Methylphenol	1.239	1.425	-15.0	105	-0.03	4.84
22	t	n-Nitroso-di-n-propylamin	0.938	1.116	-19.0	109	-0.03	4.85
23	t	Hexachloroethane	0.482	0.473	1.9	91	-0.03	4.92
24	I	Naphthalene-d8	1.000	1.000	0.0	96	-0.03	5.35
25	S	Nitrobenzene-d5	0.334	0.381	-14.1	106	-0.03	4.95
26	t	Nitrobenzene	0.334	0.380	-13.8	105	-0.03	4.96
27	t	Quinoline	0.603	0.583	3.3	92	-0.04	5.58
28	t	Isophorone	0.613	0.692	-12.9	103	-0.03	5.09
29	t	2-Nitrophenol	0.174	0.202	-16.1	103	-0.03	5.13
30	t	2,4-Dimethylphenol	0.328	0.370	-12.8	105	-0.03	5.14
31	t	Benzoic acid	0.232	0.229	1.3	90	-0.03	5.23
32	t	bis(2-Chloroethoxy)methan	0.386	0.419	-8.5	100	-0.03	5.20
33	t	2,4-Dichlorophenol	0.265	0.271	-2.3	95	-0.03	5.26
34	t	2,6-Dichlorophenol	0.268	0.285	-6.3	99	-0.03	5.39
35		1,3,5-Trichlorobenzene	0.317	0.319	-0.6	97	-0.03	5.13
36	t	1,2,4-Trichlorobenzene	0.296	0.282	4.7	92	-0.03	5.31
37		1,2,3-Trichlorobenzene	0.287	0.275	4.2	92	-0.03	5.44
38	t	Naphthalene	1.007	1.035	-2.8	98	-0.03	5.36
39	t	4-Chloroaniline	0.409	0.444	-8.6	100	-0.03	5.39
40	t	2,3-Dichloroaniline	0.311	0.323	-3.9	97	-0.04	5.97
41	t	Hydroquinone	0.267	0.278	-4.1	98	-0.04	5.62

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4061-CC4054
Lab FileID: 6P513337.D

42	t	Hexachlorobutadiene	0.165	0.154	6.7	88	-0.03	5.42
43	t	4-Chloro-3-methylphenol	0.261	0.287	-10.0	100	-0.03	5.67
44	t	2-Methylnaphthalene	0.580	0.605	-4.3	98	-0.04	5.78
45	t	1-Methylnaphthalene	0.595	0.627	-5.4	104	-0.04	5.84
46	I	Acenaphthene-d10	1.000	1.000	0.0	93	-0.04	6.49
			True	Calc.	% Drift			
47	t	Hexachlorocyclopentadiene	100.000	99.096	0.9	90	-0.04	5.87
			AvgRF	CCRF	% Dev			
48		1,2,4,5-tetrachlorobenzen	0.573	0.558	2.6	92	-0.04	5.88
49	t	2,4,6-Trichlorophenol	0.375	0.388	-3.5	94	-0.04	5.96
50	t	2,4,5-Trichlorophenol	0.388	0.383	1.3	93	-0.04	5.98
51	S	2-Fluorobiphenyl	1.390	1.396	-0.4	94	-0.04	6.01
52	t	2-Chloronaphthalene	1.148	1.148	0.0	95	-0.04	6.10
53	t	Biphenyl	1.552	1.611	-3.8	98	-0.04	6.08
54	t	2-Nitroaniline	0.317	0.400	-26.2#	110	-0.04	6.18
55	t	Dimethylphthalate	1.288	1.263	1.9	90	-0.04	6.29
56	t	Acenaphthylene	1.453	1.484	-2.1	94	-0.04	6.39
57	t	2,6-Dinitrotoluene	0.244	0.267	-9.4	91	-0.04	6.34
58	t	3-Nitroaniline	0.287	0.307	-7.0	92	-0.04	6.46
59	t	Acenaphthene	1.309	1.374	-5.0	98	-0.04	6.51
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	105.837	-5.8	93	-0.04	6.54
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.181	-16.8	99	-0.04	6.56
62	t	Dibenzofuran	1.649	1.664	-0.9	96	-0.04	6.64
63	t	2,4-Dinitrotoluene	0.336	0.366	-8.9	90	-0.04	6.63
64		2,3,4,6-Tetrachlorophenol	0.329	0.317	3.6	85	-0.04	6.72
65	t	Diethylphthalate	1.287	1.313	-2.0	92	-0.05	6.79
66	t	Fluorene	1.328	1.378	-3.8	96	-0.04	6.90
67	t	4-Chlorophenyl-phenylethe	0.615	0.596	3.1	91	-0.04	6.89
68	t	4-Nitroaniline	0.295	0.295	0.0	86	-0.04	6.93
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	-0.05	7.67
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	52.518	-5.0	88	-0.04	6.94
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.609	0.641	-5.3	93	-0.04	6.98
72	t	1,2-Diphenylhydrazine	0.723	0.881	-21.9#	107	-0.04	7.02
73		pentachloronitrobenzene	0.038	0.042#	-10.5	91	-0.05	7.50
74	S	2,4,6-Tribromophenol	0.100	0.113	-13.0	95	-0.04	7.09
75	t	4-Bromophenyl-phenylether	0.191	0.201	-5.2	91	-0.05	7.28
76	t	Hexachlorobenzene	0.239	0.232	2.9	86	-0.04	7.33
77	t	Pentachlorophenol	0.155	0.164	-5.8	86	-0.04	7.50
78	t	Phenanthrene	1.057	1.072	-1.4	89	-0.05	7.69
79	t	Anthracene	1.053	1.092	-3.7	89	-0.04	7.74
80	t	Carbazole	0.958	0.980	-2.3	87	-0.04	7.88
81	t	Di-n-butylphthalate	1.154	1.264	-9.5	89	-0.05	8.17
82	t	Fluoranthene	1.078	1.115	-3.4	88	-0.05	8.77
83	t	Octadecane	0.514	0.677	-31.7#	111	-0.05	7.53
84	I	Chrysene-d12	1.000	1.000	0.0	91	-0.04	10.14
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4061-CC4054
Lab FileID: 6P513337.D

85		benzidine	50.000	48.599	2.8	86	-0.04	8.91
			AvgRF	CCRF	% Dev			
86	t	Pyrene	1.237	1.250	-1.1	88	-0.04	8.99
87	S	Terphenyl-d14	0.958	0.970	-1.3	91	-0.05	9.13
88	t	Butylbenzylphthalate	0.490	0.551	-12.4	94	-0.05	9.60
89	t	Benzo[a]anthracene	1.233	1.211	1.8	90	-0.04	10.13
90	t	3,3'-Dichlorobenzidine	0.424	0.443	-4.5	90	-0.04	10.11
91	t	Chrysene	1.146	1.087	5.1	89	-0.04	10.17
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.947	-16.3	99	-0.05	10.14
93	I	Perylene-d12	1.000	1.000	0.0	74	-0.06	11.53
94	t	Di-n-octylphthalate	0.986	1.348	-36.7#	90	-0.05	10.75
95	t	Benzo[b]fluoranthene	1.159	1.221	-5.3	74	-0.05	11.14
96	t	Benzo[k]fluoranthene	1.011	1.094	-8.2	79	-0.05	11.17
97	t	Benzo[a]pyrene	0.932	0.971	-4.2	76	-0.05	11.48
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.332	-3.9	77	-0.07	12.80
99	t	Dibenz(a,h)acridine	0.920	0.962	-4.6	76	-0.07	12.49
100	t	Dibenz[a,h]anthracene	1.133	1.162	-2.6	76	-0.07	12.82
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.444	-2.5	69	-0.05	11.13
102	t	Benzo[g,h,i]perylene	1.111	1.127	-1.4	76	-0.08	13.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513215a.D M6P4054.M Wed Dec 20 16:00:53 2023

7.2.7

7

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4061-CC4055
Lab FileID: 6P513338.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4061\6p513338.D Vial: 3
Acq On : 20 Dec 2023 10:10 am Operator: kaleigh
Sample : cc4055-50 Inst : GCMS6P
Misc : op50815,e6p4061,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	108	-0.03	4.64
104	Benzaldehyde	1.107	1.179	-6.5	115	-0.03	4.41
105	Phenanthrene-d10a	1.000	1.000	0.0	112	-0.04	7.67
106	Atrazine	0.086	0.093	-8.1	116	-0.04	7.41
107 I	Naphthalene-d8a	1.000	1.000	0.0	112	-0.03	5.35
108 T	Caprolactam	0.134	0.166	-23.9#	137	-0.03	5.61
109	Phenanthrene-d10b	1.000	1.000	0.0	112	-0.04	7.67
110 s	1-chlorooctadecane	0.274	0.413	-50.7#	144	-0.05	8.63
111 s	o-terphenyl	0.543	0.559	-2.9	113	-0.05	7.99

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513215a.D M6P4054.M Wed Dec 20 16:00:56 2023

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8285-ICC8285
Lab FileID: M191289.D

Response Factor Report MSM

Method : C:\MSDCHEM\1\METHODS\MM8285.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 09:18:01 2023
Response via : Initial Calibration

Calibration Files
2 =m191285.D 5 =m191286.D 100 =m191291.D 50 =m191289.D
1 =m191284.D 10 =m191287.D 80 =m191290.D 25 =m191288.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
103) I 1,4-Dichlorobenzene-d	ISTD									
104) Benzaldehyde	1.185	1.042	0.981	0.978	0.921	1.060	0.993	0.949	1.014	8.15
105) I Acenaphthene-d10a	ISTD									
106) Atrazine	0.180	0.199	0.171	0.181	0.182	0.185	0.170	0.174	0.180	5.22
107) I Chrysene-d12a	ISTD									
108) 1-chlorooctadecane	0.341	0.323	0.293	0.297	0.323	0.338	0.292	0.332	0.317	6.45
109) Phenanthrene-d10a	ISTD									
110) o-terphenyl	0.523	0.503	0.470	0.487	0.543	0.508	0.480	0.493	0.501	4.77
111) I Naphthalene-d8a	ISTD									
112) Caprolactam	0.109	0.123	0.134	0.134	0.094	0.141	0.129	0.129	0.124	12.46

(#) = Out of Range ### Number of calibration levels exceeded format ###

MM8285.M Thu Sep 14 09:20:22 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8285-ICV8285
Lab FileID: M191292.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EM8285\m191292.D Vial: 11
Acq On : 13 Sep 2023 10:17 pm Operator: jackleey
Sample : icv8285-50 Inst : MSM
Misc : op48047,em8285,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MM8285.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 09:18:01 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	118	0.00	4.71
104	t	Benzaldehyde	1.014	0.985	2.9	119	0.00	4.40
105	I	Acenaphthene-d10a	1.000	1.000	0.0	129	0.00	8.19
106	t	Atrazine	0.180	0.168	6.7	120	0.00	10.45
111	I	Naphthalene-d8a	1.000	1.000	0.0	125	0.00	5.82
112		Caprolactam	0.124	0.131	-5.6	122	0.00	6.32

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191289.D MM8285.M Thu Sep 14 09:19:46 2023

7.7.10

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICC8286
Lab FileID: M191297.D

Response Factor Report MSM

Method : C:\MSDCHEM\1\METHODS\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 13:36:46 2023
Response via : Initial Calibration

Calibration Files
2 =m191301.D 5 =m191300.D 100 =m191295.D 50 =m191297.D
1 =m191302.D 10 =m191299.D 80 =m191296.D 25 =m191298.D

Compound	2	5	100	50	1	10	80	25	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.539	0.480	0.610	0.520	0.606	0.502	0.471	0.446	0.522	11.58
3) Pyridine	1.178	1.089	1.588	1.429	1.038	1.185	1.379	1.271	1.270	14.62
4) N-Nitrosodim	0.534	0.451	0.636	0.551	0.402	0.437	0.544	0.487	0.505	14.96
5) 2-Fluorophen	1.213	1.112	1.478	1.308	1.020	1.112	1.352	1.198	1.224	12.18
6) Indene	2.244	2.012	1.910	1.951	2.097	1.949	1.939	2.049	2.019	5.47
7) Cumene	2.845	2.464	2.957	2.784	2.695	2.549	2.799	2.645	2.717	5.95
8) Phenol-d5	1.495	1.327	1.633	1.522	1.237	1.302	1.558	1.462	1.442	9.62
9) Phenol	1.558	1.324	1.614	1.533	1.385	1.427	1.539	1.504	1.485	6.58
10) Aniline	1.981	1.723	1.942	1.889	1.812	1.695	1.881	1.835	1.845	5.41
11) bis(2-Chloro	1.223	1.014	1.147	1.102	1.003	1.027	1.084	1.085	1.086	6.81
12) 2-Chlorophen	1.416	1.226	1.324	1.320	1.213	1.253	1.314	1.305	1.296	5.04
13) Decane	1.203	1.022	1.050	1.043	1.254	1.073	1.028	1.059	1.091	7.97
14) 1,3-Dichloro	1.699	1.401	1.526	1.521	1.533	1.439	1.516	1.527	1.520	5.73
15) 1,4-Dichloro	1.566	1.410	1.452	1.464	1.416	1.432	1.493	1.483	1.464	3.47
16) Benzyl alcoh	0.697	0.702	0.807	0.773	0.441	0.687	0.804	0.788	0.712	16.87
17) 1,2-Dichloro	1.608	1.351	1.400	1.397	1.487	1.375	1.427	1.432	1.435	5.66
18) Acetophenone	1.730	1.529	1.478	1.492	1.562	1.484	1.489	1.605	1.546	5.60
19) 2-Methylphen	1.027	1.024	1.030	1.011	0.994	0.988	1.044	1.057	1.022	2.31
20) 2,2'-oxybis(	0.356	0.299	0.288	0.274	0.253	0.271	0.291	0.290	0.290	10.38
21) 3&4-Methylph	1.157	1.033	1.041	1.058	0.999	0.982	1.078	1.073	1.053	5.12
22) n-Nitroso-di	0.837	0.746	0.688	0.699	0.713	0.709	0.698	0.733	0.728	6.61
23) Hexachloroet	0.709	0.545	0.538	0.555	0.532	0.533	0.566	0.566	0.568	10.30
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.357	0.321	0.318	0.317	0.332	0.293	0.317	0.323	0.322	5.52
26) Nitrobenzene	0.352	0.310	0.304	0.307	0.373	0.292	0.304	0.310	0.319	8.79
27) Quinoline	0.710	0.659	0.739	0.719	0.611	0.634	0.733	0.723	0.691	7.11
28) Isophorone	0.638	0.569	0.621	0.609	0.606	0.573	0.610	0.610	0.604	3.78
29) 2-Nitropheno	0.201	0.185	0.185	0.195	0.181	0.177	0.194	0.197	0.189	4.49
30) 2,4-Dimethyl	0.336	0.314	0.317	0.327	0.328	0.298	0.321	0.331	0.321	3.66
31) Benzoic acid		0.165	0.265	0.258		0.198	0.261	0.237	0.231	17.72
32) bis(2-Chloro	0.391	0.369	0.362	0.362	0.359	0.364	0.365	0.372	0.368	2.81
33) 2,4-Dichloro	0.324	0.298	0.312	0.319	0.306	0.296	0.318	0.318	0.311	3.30
34) 2,6-Dichloro	0.306	0.275	0.296	0.303	0.291	0.265	0.304	0.302	0.293	5.13
35) 1,3,5-Trichl	0.409	0.373	0.348	0.363	0.361	0.353	0.358	0.376	0.368	5.23
36) 1,2,4-Trichl	0.389	0.354	0.343	0.350	0.355	0.328	0.350	0.358	0.353	4.87
37) 1,2,3-Trichl	0.362	0.324	0.314	0.327	0.296	0.315	0.319	0.332	0.324	5.85
38) Naphthalene	1.104	0.974	0.962	0.992	1.083	0.934	0.971	0.990	1.001	5.99
39) 4-Chloroanil	0.419	0.379	0.401	0.409	0.383	0.374	0.402	0.413	0.398	4.20
40) 2,3-Dichloro	0.389	0.382	0.369	0.375	0.345	0.355	0.372	0.375	0.370	3.83
41) Hydroquinone		0.171	0.339	0.311		0.245	0.327	0.289	0.280	22.39
---- Quadratic regression ---- Coefficient = 1.0000										
Response Ratio = -0.01641 + 0.30384 *A + 0.01626 *A^2										
42) Hexachlorobu	0.216	0.197	0.193	0.196	0.188	0.185	0.197	0.199	0.196	4.77

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICC8286
Lab FileID: M191297.D

43)	4-Chloro-3-m	0.277	0.255	0.300	0.288	0.247	0.264	0.294	0.289	0.277	7.01
44)	2-Methylnaph	0.663	0.607	0.625	0.641	0.572	0.586	0.642	0.641	0.622	5.02
45)	1-Methylnaph	0.722	0.644	0.675	0.683	0.620	0.629	0.681	0.694	0.669	5.16
46)	I Acenaphthene-d10	----------	ISTD	----------							
47)	Hexachlorocy	0.443	0.405	0.442	0.455	0.450	0.445	0.460	0.457	0.445	3.90
48)	1,2,4,5-Tetr	0.721	0.665	0.585	0.624	0.675	0.607	0.616	0.647	0.643	6.78
49)	2,4,6-Trichl	0.444	0.386	0.408	0.413	0.391	0.386	0.409	0.417	0.407	4.74
50)	2,4,5-Trichl	0.447	0.415	0.429	0.445	0.391	0.422	0.432	0.443	0.428	4.43
51)	2-Fluorobiph	1.613	1.423	1.326	1.407	1.329	1.405	1.392	1.454	1.419	6.35
52)	2-Chloronaph	1.329	1.175	1.072	1.135	1.260	1.153	1.111	1.179	1.177	7.03
53)	Biphenyl	1.724	1.507	1.444	1.499	1.573	1.500	1.496	1.536	1.535	5.52
54)	2-Nitroanili	0.313	0.277	0.305	0.296	0.237	0.279	0.298	0.292	0.287	8.20
55)	Dimethylphth	1.615	1.409	1.477	1.504	1.521	1.390	1.498	1.501	1.490	4.66
56)	Acenaphthyle	2.139	1.926	1.917	1.987	2.038	1.916	1.918	2.020	1.983	4.05
57)	2,6-Dinitrot	0.303	0.278	0.322	0.321	0.287	0.278	0.325	0.311	0.303	6.52
58)	3-Nitroanili	0.290	0.306	0.366	0.365	0.223	0.324	0.376	0.367	0.327	16.23
59)	Acenaphthene	1.491	1.224	1.246	1.288	1.199	1.221	1.283	1.306	1.282	7.19
60)	2,4-Dinitrop	0.160	0.159	0.225	0.217		0.163	0.222	0.203	0.193	15.93
61)	4-Nitropheno	0.111	0.126	0.175	0.170		0.144	0.168	0.159	0.150	16.36
62)	Dibenzofuran	2.003	1.712	1.719	1.771	1.841	1.682	1.751	1.781	1.782	5.70
63)	2,4-Dinitrot	0.415	0.378	0.415	0.417	0.325	0.376	0.415	0.420	0.395	8.50
64)	2,3,4,6-Tetr	0.395	0.377	0.409	0.408	0.313	0.384	0.412	0.407	0.388	8.52
65)	Diethylphtha	1.580	1.420	1.511	1.493	1.375	1.375	1.504	1.506	1.470	4.97
66)	Fluorene	1.522	1.425	1.395	1.422	1.399	1.365	1.424	1.463	1.427	3.34
67)	4-Chlorophen	0.769	0.642	0.643	0.666	0.718	0.648	0.638	0.681	0.676	6.85
68)	4-Nitroanili	0.318	0.298	0.355	0.347		0.298	0.348	0.338	0.329	7.25
69)	I Phenanthrene-d10	----------	ISTD	----------							
70)	4,6-Dinitro-	0.108	0.100	0.125	0.119		0.105	0.125	0.121	0.115	8.88
71)	n-Nitrosodip	0.621	0.556	0.553	0.567	0.565	0.543	0.572	0.582	0.570	4.20
72)	Pentachloron	0.034	0.037	0.043	0.044		0.042	0.045	0.042	0.041#	9.49
73)	1,2-Diphenyl	0.636	0.564	0.537	0.553	0.606	0.537	0.539	0.572	0.568	6.33
74)	2,4,6-Tribro	0.143	0.124	0.134	0.130	0.111	0.115	0.131	0.130	0.127	8.21
75)	4-Bromopheny	0.222	0.205	0.234	0.232	0.178	0.197	0.239	0.229	0.217	9.96
76)	Hexachlorobe	0.289	0.257	0.257	0.264	0.256	0.247	0.255	0.261	0.261	4.78
77)	Pentachlorop	0.161	0.153	0.181	0.179	0.125	0.152	0.182	0.180	0.164	12.39
78)	Phenanthrene	1.089	1.017	0.991	1.014	1.043	0.944	0.987	1.028	1.014	4.22
79)	Anthracene	1.144	1.020	1.021	1.035	1.046	1.003	1.031	1.057	1.045	4.16
80)	Carbazole	1.056	0.984	1.031	1.037	0.975	0.952	1.042	1.031	1.013	3.71
81)	Di-n-butylph	1.400	1.265	1.394	1.362	1.308	1.199	1.379	1.354	1.333	5.28
82)	Fluoranthene	1.350	1.226	1.354	1.356	1.191	1.195	1.366	1.347	1.298	6.07
83)	Octadecane	0.417	0.398	0.405	0.397	0.414	0.377	0.400	0.410	0.402	3.12
84)	I Chrysene-d12	----------	ISTD	----------							
85)	Benzidine	0.616	0.606	0.896	0.839		0.662	0.895	0.777	0.756	16.82
86)	Pyrene	1.507	1.354	1.278	1.305	1.417	1.270	1.304	1.365	1.350	5.96
87)	Terphenyl-d1	1.061	0.936	1.007	1.008	0.971	0.924	1.022	1.010	0.992	4.62
88)	Butylbenzylp	0.655	0.564	0.685	0.655	0.593	0.562	0.676	0.638	0.628	7.80
89)	Benzo[a]anth	1.452	1.243	1.399	1.361	1.310	1.261	1.389	1.350	1.346	5.28
90)	3,3'-Dichlor	0.501	0.427	0.499	0.477	0.421	0.456	0.487	0.473	0.468	6.55
91)	Chrysene	1.272	1.154	1.103	1.113	1.168	1.093	1.113	1.141	1.145	5.04
92)	bis(2-Ethylh	0.895	0.799	0.891	0.889	0.749	0.810	0.894	0.877	0.850	6.64
93)	I Perylene-d12	----------	ISTD	----------							
94)	Di-n-octylph	1.323	1.248	1.382	1.423	1.105	1.255	1.400	1.412	1.318	8.36
95)	Benzo[b]fluo	1.297	1.146	1.147	1.222	1.145	1.171	1.154	1.210	1.187	4.54
96)	Benzo[k]fluo	1.240	1.103	0.949	1.016	1.122	1.052	0.965	1.064	1.064	8.78
97)	Benzo[a]pyre	1.103	0.981	1.031	1.042	1.021	0.964	1.028	1.023	1.024	4.03
98)	Indeno[1,2,3	1.052	0.926	1.065	1.046	0.961	0.923	1.048	1.011	1.004	5.86

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICC8286
Lab FileID: M191297.D

99)	Dibenz(a,h)a	0.980	0.876	1.019	0.997	0.891	0.874	1.003	0.968	0.951	6.37
100)	Dibenz[a,h]a	1.132	0.986	1.054	1.064	0.964	0.999	1.052	1.064	1.039	5.19
101)	7,12-Dimethy		0.321	0.464	0.467		0.478	0.465	0.464	0.443	13.59
102)	Benzo[g,h,i]	1.203	1.027	1.154	1.147	1.046	1.038	1.140	1.097	1.107	5.82

(#) = Out of Range ### Number of calibration levels exceeded format ###

MM8286.M Thu Sep 14 14:15:13 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICV8286
Lab FileID: M191304.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EM8286\m191304.D Vial: 11
Acq On : 14 Sep 2023 1:44 pm Operator: kaleigh
Sample : icv8286-50 Inst : MSM
Misc : op48047,em8286,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 13:36:46 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	4.71
2	t	1,4-Dioxane	0.522	0.535	-2.5	103	0.00	2.54
6	t	Indene	2.019	2.001	0.9	103	0.00	4.90
7	t	Cumene	2.717	2.874	-5.8	104	0.00	4.13
11	t	bis(2-Chloroethyl)ether	1.086	1.226	-12.9	112	0.00	4.51
13	t	Decane	1.091	1.192	-9.3	115	0.00	4.57
14	t	1,3-Dichlorobenzene	1.520	1.626	-7.0	107	0.00	4.66
15	t	1,4-Dichlorobenzene	1.464	1.552	-6.0	107	0.00	4.72
16	t	Benzyl alcohol	0.712	0.771	-8.3	100	0.00	4.81
17	t	1,2-Dichlorobenzene	1.435	1.463	-2.0	105	0.00	4.83
18	t	Acetophenone	1.546	1.659	-7.3	112	0.00	5.03
20	t	2,2'-oxybis(1-Chloropropa	0.290	0.318	-9.7	116	0.00	4.91
23	t	Hexachloroethane	0.568	0.563	0.9	102	0.00	5.11
24	I	Naphthalene-d8	1.000	1.000	0.0	98	0.00	5.83
26	t	Nitrobenzene	0.319	0.338	-6.0	108	0.00	5.17
27	t	Quinoline	0.691	0.699	-1.2	95	-0.01	6.22
28	t	Isophorone	0.604	0.627	-3.8	101	0.00	5.37
32	t	bis(2-Chloroethoxy)methan	0.368	0.408	-10.9	110	0.00	5.58
35	t	1,3,5-Trichlorobenzene	0.368	0.385	-4.6	104	0.00	5.45
36	t	1,2,4-Trichlorobenzene	0.353	0.378	-7.1	106	0.00	5.76
37	t	1,2,3-Trichlorobenzene	0.324	0.348	-7.4	104	0.00	6.00
38	t	Naphthalene	1.001	1.033	-3.2	102	0.00	5.85
40	t	2,3-Dichloroaniline	0.370	0.386	-4.3	101	0.00	7.04
		----------	AvgRF	CCRF	% Dev	----------		
42	t	Hexachlorobutadiene	0.196	0.210	-7.1	105	0.00	5.96
44	t	2-Methylnaphthalene	0.622	0.678	-9.0	104	0.00	6.66
45	t	1-Methylnaphthalene	0.669	0.711	-6.3	102	0.00	6.79
46	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00	8.19
47	t	Hexachlorocyclopentadiene	0.445	0.376	15.5	79	0.00	6.85
48		1,2,4,5-Tetrachlorobenzen	0.643	0.653	-1.6	100	0.00	6.87
52	t	2-Chloronaphthalene	1.177	1.204	-2.3	101	0.00	7.33
53	t	Biphenyl	1.535	1.626	-5.9	103	0.00	7.31
55	t	Dimethylphthalate	1.490	1.539	-3.3	97	0.00	7.81
56	t	Acenaphthylene	1.983	1.687	14.9	81	0.00	7.96

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICV8286
Lab FileID: M191304.D

57	t	2,6-Dinitrotoluene	0.303	0.328	-8.3	98	0.00	7.91
59	t	Acenaphthene	1.282	1.332	-3.9	99	0.00	8.24
62	t	Dibenzofuran	1.782	1.859	-4.3	100	0.00	8.53
63	t	2,4-Dinitrotoluene	0.395	0.420	-6.3	96	0.00	8.57
65	t	Diethylphthalate	1.470	1.538	-4.6	98	0.00	9.02
66	t	Fluorene	1.427	1.482	-3.9	99	0.00	9.13
67	t	4-Chlorophenyl-phenylethe	0.676	0.669	1.0	96	0.00	9.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	90	0.00	10.84
72		Pentachloronitrobenzene	0.041	0.048#	-17.1	98	0.00	10.49
73	t	1,2-Diphenylhydrazine	0.568	0.635	-11.8	103	0.00	9.45
75	t	4-Bromophenyl-phenylether	0.217	0.249	-14.7	96	0.00	10.06
76	t	Hexachlorobenzene	0.261	0.282	-8.0	96	0.00	10.08
78	t	Phenanthrene	1.014	1.105	-9.0	98	0.00	10.88
79	t	Anthracene	1.045	1.113	-6.5	97	0.00	10.98
80	t	Carbazole	1.013	1.112	-9.8	96	0.00	11.34
81	t	Di-n-butylphthalate	1.333	1.459	-9.5	96	0.00	12.14
82	t	Fluoranthene	1.298	1.456	-12.2	96	0.00	13.18
83	t	Octadecane	0.402	0.463	-15.2	105	0.00	10.80
84	I	Chrysene-d12	1.000	1.000	0.0	89	0.00	16.03
86	t	Pyrene	1.350	1.500	-11.1	103	0.00	13.61
88	t	Butylbenzylphthalate	0.628	0.708	-12.7	97	0.00	15.11
89	t	Benzo[a]anthracene	1.346	1.475	-9.6	97	0.00	16.01
91	t	Chrysene	1.145	1.256	-9.7	101	0.00	16.09
92	t	bis(2-Ethylhexyl)phthalat	0.850	0.981	-15.4	99	0.00	16.32
93	I	Perylene-d12	1.000	1.000	0.0	91	0.00	18.67
94	t	Di-n-octylphthalate	1.318	1.517	-15.1	97	0.00	17.58
95	t	Benzo[b]fluoranthene	1.187	1.272	-7.2	95	0.00	18.02
96	t	Benzo[k]fluoranthene	1.064	1.082	-1.7	97	0.00	18.08
97	t	Benzo[a]pyrene	1.024	1.089	-6.3	95	0.00	18.57
98	t	Indeno[1,2,3-cd]pyrene	1.004	1.139	-13.4	99	0.00	20.41
99	t	Dibenz(a,h)acridine	0.951	1.071	-12.6	98	0.00	20.05
100	t	Dibenz[a,h]anthracene	1.039	1.133	-9.0	97	0.00	20.48
101	t	7,12-Dimethylbenz(a)anthr	0.443	0.509	-14.9	99	0.00	18.03
102	t	Benzo[g,h,i]perylene	1.107	1.228	-10.9	97	0.00	20.89

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191297.D MM8286.M Thu Sep 14 14:15:24 2023

7.7.12

7

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICV8286
Lab FileID: M191305.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EM8286\m191305.D Vial: 12
Acq On : 14 Sep 2023 2:15 pm Operator: kaleigh
Sample : icv8286-50 Inst : MSM
Misc : op48047,em8286,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 14:21:48 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	113	0.00	4.71
9	t	Phenol	1.485	1.425	4.0	105	0.00	4.44
12	t	2-Chlorophenol	1.296	1.202	7.3	103	0.00	4.55
19	t	2-Methylphenol	1.022	0.984	3.7	110	0.00	4.88
21	t	3&4-Methylphenol	1.053	1.003	4.7	107	0.00	5.01
24	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00	5.82
29	t	2-Nitrophenol	0.189	0.191	-1.1	107	0.00	5.45
30	t	2,4-Dimethylphenol	0.321	0.317	1.2	105	0.00	5.47
31	t	Benzoic acid	0.231	0.238	-3.0	100	0.00	5.56
33	t	2,4-Dichlorophenol	0.311	0.293	5.8	100	0.00	5.67
34	t	2,6-Dichlorophenol	0.293	0.288	1.7	103	0.00	5.90
		----------	True	Calc.	% Drift	----------		
41	t	Hydroquinone	50.000	50.464	-0.9	110	0.00	6.30
		----------	AvgRF	CCRF	% Dev	----------		
43	t	4-Chloro-3-methylphenol	0.277	0.266	4.0	101	0.00	6.46
46	I	Acenaphthene-d10	1.000	1.000	0.0	113	0.00	8.19
49	t	2,4,6-Trichlorophenol	0.407	0.383	5.9	104	0.00	7.04
50	t	2,4,5-Trichlorophenol	0.428	0.399	6.8	101	0.00	7.08
60	t	2,4-Dinitrophenol	0.193	0.186	3.6	96	0.00	8.35
61	t	4-Nitrophenol	0.150	0.149	0.7	98	0.00	8.46
64	t	2,3,4,6-Tetrachlorophenol	0.388	0.367	5.4	101	0.00	8.75
69	I	Phenanthrene-d10	1.000	1.000	0.0	110	0.00	10.84
70	t	4,6-Dinitro-2-methylpheno	0.115	0.125	-8.7	116	0.00	9.25
77	t	Pentachlorophenol	0.164	0.156	4.9	96	0.00	10.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191289a.D MM8286.M Thu Sep 14 15:05:10 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICV8286
Lab FileID: M191306.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EM8286\m191306.D Vial: 13
Acq On : 14 Sep 2023 2:49 pm Operator: kaleigh
Sample : icv8286-50 Inst : MSM
Misc : op48047,em8286,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 14:21:48 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	-0.02	4.69
3	t	Pyridine	1.270	1.213	4.5	97	-0.07	2.74
4	t	N-Nitrosodimethylamine	0.505	0.438	13.3	91	-0.07	2.71
10	t	Aniline	1.845	1.735	6.0	105	-0.02	4.45
22	t	n-Nitroso-di-n-propylamin	0.728	0.735	-1.0	120	-0.02	5.00
24	I	Naphthalene-d8	1.000	1.000	0.0	120	0.00	5.81
39	t	4-Chloroaniline	0.398	0.372	6.5	109	0.00	5.90
46	I	Acenaphthene-d10	1.000	1.000	0.0	111	0.00	8.19
54	t	2-Nitroaniline	0.287	0.301	-4.9	113	0.00	7.51
58	t	3-Nitroaniline	0.327	0.352	-7.6	107	0.00	8.16
68	t	4-Nitroaniline	0.329	0.331	-0.6	106	0.00	9.22
69	I	Phenanthrene-d10	1.000	1.000	0.0	112	0.00	10.84
71	t	n-Nitrosodiphenylamine	0.570	0.533	6.5	105	0.00	9.39
84	I	Chrysene-d12	1.000	1.000	0.0	108	0.00	16.03
85		Benzidine	0.756	0.822	-8.7	106	0.00	13.56
90	t	3,3'-Dichlorobenzidine	0.468	0.453	3.2	103	0.00	16.06

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191289a.D MM8286.M Thu Sep 14 15:28:13 2023

7.7.14

7

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8286-ICV8286
Lab FileID: M191307.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\EM8286\m191307.D Vial: 10
Acq On : 14 Sep 2023 3:27 pm Operator: kaleigh
Sample : icv8286-50 Inst : MSM
Misc : op48047,em8286,30.0,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Sep 14 14:21:48 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	127	0.00	4.71
5	S	2-Fluorophenol	1.224	1.314	-7.4	127	0.00	3.77
8	S	Phenol-d5	1.442	1.542	-6.9	129	0.00	4.43
24	I	Naphthalene-d8	1.000	1.000	0.0	131	0.00	5.82
25	S	Nitrobenzene-d5	0.322	0.353	-9.6	145	0.00	5.16
46	I	Acenaphthene-d10	1.000	1.000	0.0	119	0.00	8.19
51	S	2-Fluorobiphenyl	1.419	1.591	-12.1	135	0.00	7.17
69	I	Phenanthrene-d10	1.000	1.000	0.0	111	0.00	10.84
74	S	2,4,6-Tribromophenol	0.127	0.134	-5.5	114	0.00	9.55
84	I	Chrysene-d12	1.000	1.000	0.0	91	0.00	16.03
87	S	Terphenyl-d14	0.992	1.172	-18.1	106	0.00	14.04

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191289a.D MM8286.M Thu Sep 14 16:02:47 2023

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8363-CC8286
Lab FileID: M192857.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eelo\em8363\m192857.D Vial: 1
Acq On : 20 Dec 2023 11:56 am Operator: anthonyo
Sample : cc8286-50 Inst : MSM
Misc : op50690,em8363,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...Methods\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed Dec 20 08:05:06 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	163	0.06	4.56
2	t	1,4-Dioxane	0.522	0.585	-12.1	183	0.11	2.09
3	t	Pyridine	1.270	1.548	-21.9#	176	0.11	2.44
4	t	N-Nitrosodimethylamine	0.505	0.618	-22.4#	183	0.10	2.42
5	S	2-Fluorophenol	1.224	1.314	-7.4	163	0.06	3.58
6	t	Indene	2.019	2.070	-2.5	173	0.06	4.76
7	t	Cumene	2.717	3.084	-13.5	180	0.06	3.96
8	S	Phenol-d5	1.442	1.742	-20.8#	186	0.05	4.30
9	t	Phenol	1.485	1.908	-28.5#	202#	0.05	4.31
10	t	Aniline	1.845	2.069	-12.1	178	0.06	4.33
11	t	bis(2-Chloroethyl)ether	1.086	1.377	-26.8#	203#	0.06	4.38
12	t	2-Chlorophenol	1.296	1.360	-4.9	168	0.06	4.41
13	t	Decane	1.091	1.480	-35.7#	231#	0.06	4.42
14	t	1,3-Dichlorobenzene	1.520	1.497	1.5	160	0.06	4.52
15	t	1,4-Dichlorobenzene	1.464	1.468	-0.3	163	0.06	4.58
16	t	Benzyl alcohol	0.712	0.885	-24.3#	186	0.06	4.68
17	t	1,2-Dichlorobenzene	1.435	1.402	2.3	163	0.06	4.69
18	t	Acetophenone	1.546	1.727	-11.7	188	0.06	4.89
19	t	2-Methylphenol	1.022	1.114	-9.0	179	0.06	4.77
20	t	2,2'-oxybis(1-Chloropropa	0.290	0.350	-20.7#	207#	0.06	4.77
21	t	3&4-Methylphenol	1.053	1.189	-12.9	183	0.06	4.90
22	t	n-Nitroso-di-n-propylamin	0.728	0.864	-18.7	201#	0.06	4.89
23	t	Hexachloroethane	0.568	0.511	10.0	150	0.06	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	180	0.08	5.68
25	S	Nitrobenzene-d5	0.322	0.348	-8.1	198	0.06	5.02
26	t	Nitrobenzene	0.319	0.334	-4.7	196	0.06	5.03
27	t	Quinoline	0.691	0.711	-2.9	179	0.08	6.08
28	t	Isophorone	0.604	0.694	-14.9	206#	0.07	5.24
29	t	2-Nitrophenol	0.189	0.188	0.5	174	0.07	5.31
30	t	2,4-Dimethylphenol	0.321	0.328	-2.2	181	0.06	5.34
31	t	Benzoic acid	0.231	0.248	-7.4	173	0.08	5.49
32	t	bis(2-Chloroethoxy)methan	0.368	0.406	-10.3	203#	0.06	5.44
33	t	2,4-Dichlorophenol	0.311	0.299	3.9	169	0.07	5.54
34	t	2,6-Dichlorophenol	0.293	0.285	2.7	170	0.07	5.76
35	t	1,3,5-Trichlorobenzene	0.368	0.340	7.6	169	0.07	5.31
36	t	1,2,4-Trichlorobenzene	0.353	0.329	6.8	170	0.07	5.61
37	t	1,2,3-Trichlorobenzene	0.324	0.307	5.2	169	0.07	5.84
38	t	Naphthalene	1.001	0.962	3.9	175	0.07	5.70
39	t	4-Chloroaniline	0.398	0.412	-3.5	182	0.07	5.77
40	t	2,3-Dichloroaniline	0.370	0.356	3.8	171	0.08	6.87

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8363-CC8286
Lab FileID: M192857.D

			True	Calc.	% Drift			
41	t	Hydroquinone	50.000	28.569	42.9#	97	0.07	6.15
			AvgRF	CCRF	% Dev			
42	t	Hexachlorobutadiene	0.196	0.171	12.8	157	0.07	5.80
43	t	4-Chloro-3-methylphenol	0.277	0.315	-13.7	197	0.07	6.32
44	t	2-Methylnaphthalene	0.622	0.642	-3.2	181	0.08	6.49
45	t	1-Methylnaphthalene	0.669	0.672	-0.4	178	0.08	6.61
46	I	Acenaphthene-d10	1.000	1.000	0.0	186	0.09	7.98
47	t	Hexachlorocyclopentadiene	0.445	0.190	57.3#	78	0.08	6.66
48		1,2,4,5-Tetrachlorobenzen	0.643	0.565	12.1	169	0.08	6.70
49	t	2,4,6-Trichlorophenol	0.407	0.381	6.4	172	0.08	6.87
50	t	2,4,5-Trichlorophenol	0.428	0.408	4.7	171	0.08	6.91
51	S	2-Fluorobiphenyl	1.419	1.278	9.9	169	0.08	6.98
52	t	2-Chloronaphthalene	1.177	1.065	9.5	175	0.09	7.15
53	t	Biphenyl	1.535	1.444	5.9	179	0.08	7.12
54	t	2-Nitroaniline	0.287	0.351	-22.3#	221#	0.08	7.33
55	t	Dimethylphthalate	1.490	1.390	6.7	172	0.08	7.61
56	t	Acenaphthylene	1.983	1.453	26.7#	136	0.09	7.76
57	t	2,6-Dinitrotoluene	0.303	0.308	-1.7	179	0.09	7.73
58	t	3-Nitroaniline	0.327	0.329	-0.6	168	0.09	7.99
59	t	Acenaphthene	1.282	1.193	6.9	172	0.09	8.04
60	t	2,4-Dinitrophenol	0.193	0.156	19.2	134	0.09	8.18
61	t	4-Nitrophenol	0.150	0.130	13.3	142	0.08	8.31
62	t	Dibenzofuran	1.782	1.616	9.3	170	0.09	8.33
63	t	2,4-Dinitrotoluene	0.395	0.402	-1.8	179	0.09	8.39
64	t	2,3,4,6-Tetrachlorophenol	0.388	0.332	14.4	152	0.09	8.55
65	t	Diethylphthalate	1.470	1.379	6.2	172	0.09	8.81
66	t	Fluorene	1.427	1.340	6.1	175	0.09	8.91
67	t	4-Chlorophenyl-phenylethe	0.676	0.613	9.3	171	0.09	8.95
68	t	4-Nitroaniline	0.329	0.317	3.6	170	0.10	9.04
69	I	Phenanthrene-d10	1.000	1.000	0.0	169	0.10	10.62
70	t	4,6-Dinitro-2-methylpheno	0.115	0.120	-4.3	171	0.10	9.09
71	t	n-Nitrosodiphenylamine	0.570	0.589	-3.3	176	0.09	9.18
72		Pentachloronitrobenzene	0.041	0.046#	-12.2	176	0.10	10.29
73	t	1,2-Diphenylhydrazine	0.568	0.635	-11.8	195	0.09	9.23
74	S	2,4,6-Tribromophenol	0.127	0.117	7.9	152	0.09	9.35
75	t	4-Bromophenyl-phenylether	0.217	0.231	-6.5	169	0.09	9.83
76	t	Hexachlorobenzene	0.261	0.258	1.1	166	0.09	9.87
77	t	Pentachlorophenol	0.164	0.133	18.9	126	0.09	10.29
78	t	Phenanthrene	1.014	0.980	3.4	164	0.10	10.66
79	t	Anthracene	1.045	1.012	3.2	166	0.10	10.76
80	t	Carbazole	1.013	1.024	-1.1	167	0.09	11.13
81	t	Di-n-butylphthalate	1.333	1.354	-1.6	168	0.08	11.91
82	t	Fluoranthene	1.298	1.306	-0.6	163	0.09	12.96
83	t	Octadecane	0.402	0.561	-39.6#	239#	0.08	10.56
84	I	Chrysene-d12	1.000	1.000	0.0	154	0.10	15.81
85		Benzidine	0.756	0.550	27.2#	101	0.08	13.34
86	t	Pyrene	1.350	1.397	-3.5	165	0.10	13.39
87	S	Terphenyl-d14	0.992	1.143	-15.2	174	0.09	13.80
88	t	Butylbenzylphthalate	0.628	0.676	-7.6	159	0.08	14.87
89	t	Benzo[a]anthracene	1.346	1.365	-1.4	154	0.09	15.79
90	t	3,3'-Dichlorobenzidine	0.468	0.483	-3.2	156	0.09	15.83
91	t	Chrysene	1.145	1.115	2.6	154	0.10	15.86
92	t	bis(2-Ethylhexyl)phthalat	0.850	0.888	-4.5	154	0.08	16.06
93	I	Perylene-d12	1.000	1.000	0.0	140	0.09	18.43

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8363-CC8286
Lab FileID: M192857.D

94	t	Di-n-octylphthalate	1.318	1.517	-15.1	150	0.08	17.31
95	t	Benzo[b]fluoranthene	1.187	1.219	-2.7	140	0.09	17.79
96	t	Benzo[k]fluoranthene	1.064	1.056	0.8	146	0.09	17.84
97	t	Benzo[a]pyrene	1.024	1.043	-1.9	140	0.09	18.33
98	t	Indeno[1,2,3-cd]pyrene	1.004	1.078	-7.4	145	0.11	20.13
99	t	Dibenz(a,h)acridine	0.951	1.019	-7.2	143	0.09	19.78
100	t	Dibenz[a,h]anthracene	1.039	1.098	-5.7	145	0.11	20.18
101	t	7,12-Dimethylbenz(a)anthr	0.443	0.372	16.0	112	0.09	17.79
102	t	Benzo[g,h,i]perylene	1.107	1.099	0.7	134	0.13	20.58

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m192450.D MM8286.M Thu Dec 21 10:14:52 2023

7.7.16

7

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8363-CC8285
Lab FileID: M192858.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...eelo\em8363\m192858.D Vial: 2
Acq On : 20 Dec 2023 12:26 pm Operator: anthonyo
Sample : cc8285-50 Inst : MSM
Misc : op50690,em8363,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...Methods\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Wed Dec 20 08:05:06 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	I	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	139	0.06	4.57
104	t	Benzaldehyde	1.014	1.037	-2.3	147	0.06	4.26
105	I	Acenaphthene-d10a	1.000	1.000	0.0	165	0.08	7.98
106	t	Atrazine	0.180	0.196	-8.9	178	0.08	10.23
107	I	Chrysene-d12a	1.000	1.000	0.0	145	0.08	15.79
108	s	1-chlorooctadecane	0.317	0.406	-28.1#	198	0.08	12.92
109		Phenanthrene-d10a	1.000	1.000	0.0	154	0.09	10.61
110	s	o-terphenyl	0.501	0.548	-9.4	173	0.08	11.41
111	I	Naphthalene-d8a	1.000	1.000	0.0	152	0.07	5.67
112		Caprolactam	0.124	0.171	-37.9#	195	0.07	6.15

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m192450.D MM8286.M Thu Dec 21 10:14:55 2023

7.7.17

7

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: EM8363-CC8286
Lab FileID: M192859.D

Low- Level Verification Report

Data File : X:\Dayton SVOA GCMS\...eelo\em8363\m192859.D Vial: 3
Acq On : 20 Dec 2023 12:57 pm Operator: anthonyo
Sample : cc8286-1 Inst : MSM
Misc : op50690,em8363,1000,,,1,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : X:\Dayton SVOA G...Methods\MM8286.M (RTE Integrator)
Title : Semi Volatile GC/MS, rtx-5ms 30mx0.25mmx0.25um
Last Update : Thu Dec 21 10:17:21 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 100% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
24	I	Naphthalene-d8	1.000	1.000	0.0	331#	0.00	5.67
		---------- True	Calc.	% Drift	----------			
41	t	Hydroquinone	1.000	2.825	-182.5#	0	0.00	6.15
46	I	Acenaphthene-d10	1.000	1.000	0.0	348#	0.00	7.99
47	t	Hexachlorocyclopentadiene	0.445	0.053	88.1	41#	0.00	6.66
56	t	Acenaphthylene	1.983	1.650	16.8	281#	0.00	7.76
84	I	Chrysene-d12	1.000	1.000	0.0	299#	0.00	15.80
85		Benzidine	0.756	0.602	20.4	0#	0.00	13.35

(#) = Out of Range SPCC's out = 0 CCC's out = 0
m191284a.D MM8286.M Thu Dec 21 11:04:52 2023

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4054	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4054-DFTPP	6P513200.D	12/12/23 02:10	n/a	DFTPP Tune
E6P4054-ICC4054	6P513202.D	12/12/23 02:46	n/a	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23 03:08	n/a	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23 03:30	n/a	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23 03:53	n/a	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23 04:15	n/a	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23 04:37	n/a	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23 05:00	n/a	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23 05:22	n/a	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23 05:45	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23 06:07	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23 06:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4055	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4055-DFTPP	6P513214.D	12/12/23 08:47	n/a	DFTPP Tune
E6P4055-ICC4055	6P513215.D	12/12/23 09:00	n/a	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23 09:22	n/a	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23 09:43	n/a	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23 10:05	n/a	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23 10:26	n/a	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23 10:48	n/a	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23 11:09	n/a	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23 11:30	n/a	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23 11:52	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4061	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4061-CC4054	6P513337.D	12/20/23 09:48	n/a	Continuing cal 50
E6P4061-CC4055	6P513338.D	12/20/23 10:10	n/a	Continuing cal 50
OP50990-BS1	6P513339A.D	12/20/23 10:35	OP50990	Blank Spike
OP51209-MB1	6P513340.D	12/20/23 10:57	OP51209	Method Blank
OP51209-BS1	6P513341.D	12/20/23 11:18	OP51209	Blank Spike
OP51209-BSD	6P513342.D	12/20/23 11:39	OP51209	Blank Spike Duplicate
OP51259-MB1	6P513343.D	12/20/23 12:01	OP51259	Method Blank
OP51259-BS1	6P513344.D	12/20/23 12:22	OP51259	Blank Spike
OP51259-BSD	6P513345.D	12/20/23 12:44	OP51259	Blank Spike Duplicate
ZZZZZZ	6P513346.D	12/20/23 13:06	OP51259	(unrelated sample)
ZZZZZZ	6P513347.D	12/20/23 13:27	OP51259	(unrelated sample)
OP51259-MS	6P513348.D	12/20/23 13:49	OP51259	Matrix Spike
OP51259-MSD	6P513349.D	12/20/23 14:10	OP51259	Matrix Spike Duplicate
JD78910-1	6P513350.D	12/20/23 14:32	OP51259	(used for QC only; not part of job JD79009)
ZZZZZZ	6P513351.D	12/20/23 14:54	OP51109	(unrelated sample)
ZZZZZZ	6P513352.D	12/20/23 15:15	OP51109	(unrelated sample)
JD78696-1	6P513354.D	12/20/23 15:37	OP51134	(used for QC only; not part of job JD79009)
OP51209-MS	6P513355.D	12/20/23 15:59	OP51209	Matrix Spike
OP51209-MSD	6P513356.D	12/20/23 16:20	OP51209	Matrix Spike Duplicate
JD78774-4	6P513357.D	12/20/23 16:42	OP51209	(used for QC only; not part of job JD79009)
ZZZZZZ	6P513358.D	12/20/23 17:04	OP51209	(unrelated sample)
ZZZZZZ	6P513359.D	12/20/23 17:25	OP51209	(unrelated sample)
ZZZZZZ	6P513360.D	12/20/23 17:47	OP51209	(unrelated sample)

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EM8285	**Method:** SW846 8270E	**Instrument ID:** GCMSM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EM8285-DFTPP	M191283.D	09/13/23 17:42	n/a	DFTPP Tune
EM8285-IC8285	M191284.D	09/13/23 18:02	n/a	Initial cal 1
EM8285-IC8285	M191285.D	09/13/23 18:34	n/a	Initial cal 2
EM8285-IC8285	M191286.D	09/13/23 19:06	n/a	Initial cal 5
EM8285-IC8285	M191287.D	09/13/23 19:38	n/a	Initial cal 10
EM8285-IC8285	M191288.D	09/13/23 20:09	n/a	Initial cal 25
EM8285-ICC8285	M191289.D	09/13/23 20:41	n/a	Initial cal 50
EM8285-IC8285	M191290.D	09/13/23 21:13	n/a	Initial cal 80
EM8285-IC8285	M191291.D	09/13/23 21:45	n/a	Initial cal 100
EM8285-ICV8285	M191292.D	09/13/23 22:17	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EM8286	**Method:** SW846 8270E	**Instrument ID:** GCMSM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EM8286-DFTPP	M191294.D	09/14/23 08:12	n/a	DFTPP Tune
EM8286-IC8286	M191295.D	09/14/23 08:56	n/a	Initial cal 100
EM8286-IC8286	M191296.D	09/14/23 09:28	n/a	Initial cal 80
EM8286-ICC8286	M191297.D	09/14/23 09:59	n/a	Initial cal 50
EM8286-IC8286	M191298.D	09/14/23 10:31	n/a	Initial cal 25
EM8286-IC8286	M191299.D	09/14/23 11:03	n/a	Initial cal 10
EM8286-IC8286	M191300.D	09/14/23 11:34	n/a	Initial cal 5
EM8286-IC8286	M191301.D	09/14/23 12:05	n/a	Initial cal 2
EM8286-IC8286	M191302.D	09/14/23 12:40	n/a	Initial cal 1
EM8286-ICV8286	M191304.D	09/14/23 13:44	n/a	Initial cal verification 50
EM8286-ICV8286	M191305.D	09/14/23 14:15	n/a	Initial cal verification 50
EM8286-ICV8286	M191306.D	09/14/23 14:49	n/a	Initial cal verification 50
EM8286-ICV8286	M191307.D	09/14/23 15:27	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: EM8363	**Method:** SW846 8270E	**Instrument ID:** GCMSM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
EM8363-CC8286	M192857.D	12/20/23 11:56	n/a	Continuing cal 50
EM8363-CC8285	M192858.D	12/20/23 12:26	n/a	Continuing cal 50
EM8363-CC8286	M192859.D	12/20/23 12:57	n/a	Continuing cal 1
JD79009-1	M192862.D	12/20/23 14:28	OP51259	SB115(3.5-4)
JD79009-2	M192863.D	12/20/23 14:59	OP51259	SB117(9-9.5)
JD79009-3	M192864.D	12/20/23 15:29	OP51259	SB116(11-11.5)
ZZZZZZ	M192865.D	12/20/23 16:00	OP51259	(unrelated sample)
ZZZZZZ	M192866.D	12/20/23 16:30	OP51259	(unrelated sample)
ZZZZZZ	M192867.D	12/20/23 17:01	OP51259	(unrelated sample)
ZZZZZZ	M192868.D	12/20/23 17:32	OP51259	(unrelated sample)
ZZZZZZ	M192869.D	12/20/23 18:02	OP51259	(unrelated sample)
ZZZZZZ	M192870.D	12/20/23 18:32	OP51259	(unrelated sample)
ZZZZZZ	M192871.D	12/20/23 19:03	OP51259	(unrelated sample)
ZZZZZZ	M192872.D	12/20/23 19:33	OP51259	(unrelated sample)
ZZZZZZ	M192873.D	12/20/23 20:03	OP51259	(unrelated sample)
ZZZZZZ	M192874.D	12/20/23 20:34	OP51259	(unrelated sample)
ZZZZZZ	M192875.D	12/20/23 21:04	OP51259	(unrelated sample)
ZZZZZZ	M192876.D	12/20/23 21:35	OP51259	(unrelated sample)
ZZZZZZ	M192877.D	12/20/23 22:05	OP51259	(unrelated sample)
ZZZZZZ	M192878.D	12/20/23 22:36	OP51259	(unrelated sample)

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51269-MB1	4G9734659.D	1	12/20/23	CP	12/19/23	OP51269	G4G4201

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	105%	66-150%
877-09-8	Tetrachloro-m-xylene	112%	66-150%
2051-24-3	Decachlorobiphenyl	112%	40-150%
2051-24-3	Decachlorobiphenyl	115%	40-150%

Method Blank Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51270-MB1	RL10816.D	1	12/20/23	MLC	12/19/23	OP51270	GRL244

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.7	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.3	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	6.9	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.0	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	84%	42-159%
877-09-8	Tetrachloro-m-xylene	102%	42-159%
2051-24-3	Decachlorobiphenyl	104%	18-154%
2051-24-3	Decachlorobiphenyl	111%	18-154%

Blank Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51269-BS1	4G9734660.D	1	12/20/23	CP	12/19/23	OP51269	G4G4201

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	5.0	100	75-150
319-84-6	alpha-BHC	5	5.1	102	72-150
319-85-7	beta-BHC	5	5.0	100	75-150
319-86-8	delta-BHC	5	5.0	100	58-150
58-89-9	gamma-BHC (Lindane)	5	5.0	100	72-150
5103-71-9	alpha-Chlordane	5	4.9	98	68-150
5103-74-2	gamma-Chlordane	5	4.9	98	72-150
60-57-1	Dieldrin	5	4.8	96	72-150
72-54-8	4,4'-DDD	5	4.8	96	67-150
72-55-9	4,4'-DDE	5	4.9	98	72-150
50-29-3	4,4'-DDT	5	4.4	88 [a]	48-150
72-20-8	Endrin	5	4.8	96	73-150
1031-07-8	Endosulfan sulfate	5	4.4	88	69-150
7421-93-4	Endrin aldehyde	5	5.3	106 [a]	36-150
959-98-8	Endosulfan-I	5	4.7	94	70-150
33213-65-9	Endosulfan-II	5	4.6	92	75-150
76-44-8	Heptachlor	5	4.7	94	70-150
1024-57-3	Heptachlor epoxide	5	4.9	98	73-150
72-43-5	Methoxychlor	5	4.2	84	54-150
53494-70-5	Endrin ketone	5	4.7	94	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	98%	66-150%
877-09-8	Tetrachloro-m-xylene	106%	66-150%
2051-24-3	Decachlorobiphenyl	104%	40-150%
2051-24-3	Decachlorobiphenyl	109%	40-150%

(a) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51270-BS1	RL10817.D	1	12/20/23	MLC	12/19/23	OP51270	GRL244

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	40	39.4	99 [a]	74-153
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	40	38.3	96 [a]	68-147
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	78%	42-159%
877-09-8	Tetrachloro-m-xylene	92%	42-159%
2051-24-3	Decachlorobiphenyl	102%	18-154%
2051-24-3	Decachlorobiphenyl	103%	18-154%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51269-MS	5G134788.D	10	01/03/24	MLC	12/19/23	OP51269	G5G3474
OP51269-MSD	5G134789.D	10	01/03/24	MLC	12/19/23	OP51269	G5G3474
JD78854-3	5G134787.D	10	01/03/24	MLC	12/19/23	OP51269	G5G3474

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD78854-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	10.6		5.79	7.0	-62* [a]	5.46	6.8	-70* [a]	3	10-200/38
319-84-6	alpha-BHC	13.2		5.79	12.4	-14* [b]	5.46	20.5	134	49* [c]	43-183/37
319-85-7	beta-BHC	ND		5.79	70.9	1225* [a]	5.46	62.0	1136* [a]	13	10-202/52
319-86-8	delta-BHC	ND		5.79	23.4	404* [a]	5.46	22.6	414* [a]	3	10-191/28
58-89-9	gamma-BHC (Lindane)	ND		5.79	7.2	124	5.46	6.8	125	6	43-168/33
5103-71-9	alpha-Chlordane	7.4		5.79	10.3	50	5.46	10.7	60	4	10-194/46
5103-74-2	gamma-Chlordane	30.3		5.79	22.6	-133* [b]	5.46	18.4	-218* [b]	20	10-180/40
60-57-1	Dieldrin	39.3		5.79	31.3	-138* [b]	5.46	26.1	-242* [b]	18	12-197/40
72-54-8	4,4'-DDD	52.5		5.79	60.1	387* [b]	5.46	49.4	214* [b]	20	10-193/47
72-55-9	4,4'-DDE	30.6		5.79	37.5	119	5.46	31.7	20	17	10-207/50
50-29-3	4,4'-DDT	123		5.79	98.3	-427* [b]	5.46	80.8	-773* [b]	20	10-241/60
72-20-8	Endrin	ND		5.79	1.4	24	5.46	1.7	31	19	21-214/48
1031-07-8	Endosulfan sulfate	ND		5.79	11.6	200* [a]	5.46	10.5	192* [a]	10	10-183/53
7421-93-4	Endrin aldehyde	ND		5.79	11.2	194	5.46	4.6	84	84* [c]	10-205/53
959-98-8	Endosulfan-I	ND		5.79	3.9	67	5.46	3.9	71	0	10-186/40
33213-65-9	Endosulfan-II	11.5		5.79	16.3	83	5.46	14.4	53	12	10-185/44
76-44-8	Heptachlor	27.4		5.79	23.6	-66* [b]	5.46	22.7	-86* [b]	4	10-184/41
1024-57-3	Heptachlor epoxide	10.0		5.79	13.3	57	5.46	11.4	26	15	10-210/35
72-43-5	Methoxychlor	ND		5.79	40.6	702* [a]	5.46	32.1	588* [a]	23	10-222/65
53494-70-5	Endrin ketone	ND		5.79	77.4	1337* [a]	5.46	64.5	1181* [a]	18	10-230/53
8001-35-2	Toxaphene	ND			ND			ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JD78854-3	Limits
877-09-8	Tetrachloro-m-xylene	132%	134%	285%* [a]	66-150%
877-09-8	Tetrachloro-m-xylene	138%	139%	221%* [a]	66-150%
2051-24-3	Decachlorobiphenyl	270%* [a]	265%* [a]	719%* [a]	40-150%
2051-24-3	Decachlorobiphenyl	988%* [a]	600%* [a]	805%* [a]	40-150%

(a) Outside control limits due to matrix interference.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Analytical precision exceeds in-house control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51270-MS	RL10818.D	1	12/20/23	MLC	12/19/23	OP51270	GRL244
OP51270-MSD	RL10819.D	1	12/20/23	MLC	12/19/23	OP51270	GRL244
JD79002-3	RL10820.D	1	12/20/23	MLC	12/19/23	OP51270	GRL244

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79009-1, JD79009-2, JD79009-3

CAS No.	Compound	JD79002-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		42.2	42.2	100 [a]	43.9	41.3	94 [a]	2	41-167/46
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/17
12672-29-6	Aroclor 1248	ND			ND			ND		nc	50-150/16
11097-69-1	Aroclor 1254	ND			ND			ND		nc	10-165/38
11096-82-5	Aroclor 1260	ND		42.2	45.5	108 [a]	43.9	42.8	98 [a]	6	13-183/49
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	50-150/11

CAS No.	Surrogate Recoveries	MS	MSD	JD79002-3	Limits
877-09-8	Tetrachloro-m-xylene	81%	81%	80%	42-159%
877-09-8	Tetrachloro-m-xylene	97%	97%	97%	42-159%
2051-24-3	Decachlorobiphenyl	100%	100%	99%	18-154%
2051-24-3	Decachlorobiphenyl	121%	122%	117%	18-154%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	319980479	6.01	921831576	5.66
Check Std [b]	271947124	6.00	865795830	5.65
Upper Limit [c]	479970718	6.50	1382747364	6.15
Lower Limit [d]	159990239	6.50	460915788	5.15

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP51269-MB1	264920091	6.00	844238886	5.65
OP51269-BS1	276012953	6.00	876203058	5.65
JD79009-1	171038694	6.00	105937502	5.65
JD79009-2	157937507	6.00	569106787	5.65
JD79009-3	159933641	6.00	548041417	5.65
ZZZZZZ	195199329	6.00	690315609	5.65
ZZZZZZ	128721778	6.00	472925031	5.65
ZZZZZZ	149949045	6.00	530588757	5.65
ZZZZZZ	143636775	6.00	508815194	5.65
ZZZZZZ	144635238	6.00	514169489	5.65
ZZZZZZ	143976849	6.00	508564455	5.65
ZZZZZZ	175486782	6.00	618581744	5.65
ZZZZZZ	167724196	6.00	602564774	5.65
ZZZZZZ	166943431	6.00	564063822	5.65
ZZZZZZ	149610345	6.00	500490666	5.65
ZZZZZZ	186951733	6.00	648167115	5.65

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G4G4185-ICC4185 4G9734325.D 12/13/23 23:28. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G4G4185-DDT	**Injection Date:**	12/13/23
Lab File ID:	4G9734320.D	**Injection Time:**	21:47
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	20088773	61158578
4,4'-DDE	11009792	27854070
4,4'-DDT	1681522729	4481161543
DDT Breakdown [a]	1.8 %	1.9 %
Endrin aldehyde	13719737	15430163
Endrin ketone	20584662	32043551
Endrin	988843968	2536758813
Endrin Breakdown [b]	3.4 %	1.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4185-IC4185	4G9734323.D	12/13/23	22:48	01:01	Initial cal 0.2
G4G4185-IC4185	4G9734324.D	12/13/23	23:08	01:21	Initial cal 0.5
G4G4185-ICC4185	4G9734325.D	12/13/23	23:28	01:41	Initial cal 2.5
G4G4185-IC4185	4G9734326.D	12/13/23	23:48	02:01	Initial cal 1
G4G4185-IC4185	4G9734327.D	12/14/23	00:09	02:22	Initial cal 5
G4G4185-IC4185	4G9734328.D	12/14/23	00:29	02:42	Initial cal 7.5
G4G4185-IC4185	4G9734329.D	12/14/23	00:49	03:02	Initial cal 10
G4G4185-IC4185	4G9734330.D	12/14/23	01:09	03:22	Initial cal 50
G4G4185-IC4185	4G9734331.D	12/14/23	01:30	03:43	Initial cal 50
G4G4185-ICV4185	4G9734332.D	12/14/23	01:50	04:03	Initial cal verification 25
G4G4185-ICV4185	4G9734333.D	12/14/23	02:10	04:23	Initial cal verification 50
G4G4185-ICV4185	4G9734334.D	12/14/23	02:31	04:44	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G4G4201-DDT	**Injection Date:**	12/20/23
Lab File ID:	4G9734656.D	**Injection Time:**	01:47
Instrument ID:	GC4G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	44671743	149186461
4,4'-DDE	6779530	17236903
4,4'-DDT	1750194020	3708298573
DDT Breakdown [a]	2.9 %	4.3 %
Endrin aldehyde	48677539	74885536
Endrin ketone	45098136	61597444
Endrin	1090099331	2615302545
Endrin Breakdown [b]	7.9 %	5 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G4G4201-CC4185	4G9734657.D	12/20/23	02:07	00:20	Continuing cal 5
OP51269-MB1	4G9734659.D	12/20/23	02:48	01:01	Method Blank
OP51269-BS1	4G9734660.D	12/20/23	03:08	01:21	Blank Spike
JD79009-1	4G9734664.D	12/20/23	04:30	02:43	SB115(3.5-4)
JD79009-2	4G9734665.D	12/20/23	04:50	03:03	SB117(9-9.5)
JD79009-3	4G9734666.D	12/20/23	05:10	03:23	SB116(11-11.5)
ZZZZZZ	4G9734667.D	12/20/23	05:31	03:44	(unrelated sample)
ZZZZZZ	4G9734668.D	12/20/23	05:51	04:04	(unrelated sample)
ZZZZZZ	4G9734669.D	12/20/23	06:11	04:24	(unrelated sample)
ZZZZZZ	4G9734670.D	12/20/23	06:31	04:44	(unrelated sample)
ZZZZZZ	4G9734671.D	12/20/23	06:52	05:05	(unrelated sample)
ZZZZZZ	4G9734672.D	12/20/23	07:12	05:25	(unrelated sample)
ZZZZZZ	4G9734673.D	12/20/23	07:32	05:45	(unrelated sample)
ZZZZZZ	4G9734674.D	12/20/23	07:53	06:06	(unrelated sample)
ZZZZZZ	4G9734675.D	12/20/23	08:13	06:26	(unrelated sample)
ZZZZZZ	4G9734676.D	12/20/23	08:33	06:46	(unrelated sample)
ZZZZZZ	4G9734677.D	12/20/23	08:54	07:07	(unrelated sample)

DDT/Endrin Breakdown Check

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G5G3451-DDT	**Injection Date:**	12/15/23
Lab File ID:	5G134180.D	**Injection Time:**	18:06
Instrument ID:	GC5G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	35219033	25043663
4,4'-DDE	5334318	6048927
4,4'-DDT	2246856521	2388196308
DDT Breakdown [a]	1.8 %	1.3 %
Endrin aldehyde	0	0
Endrin ketone	21832160	19431597
Endrin	1394553767	1152680830
Endrin Breakdown [b]	1.5 %	1.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G5G3451-IC3451	5G134183.D	12/15/23	19:08	01:02	Initial cal 0.2
G5G3451-IC3451	5G134184.D	12/15/23	19:29	01:23	Initial cal 0.5
G5G3451-IC3451	5G134185.D	12/15/23	19:50	01:44	Initial cal 1.0
G5G3451-ICC3451	5G134186.D	12/15/23	20:10	02:04	Initial cal 2.5
G5G3451-IC3451	5G134187.D	12/15/23	20:31	02:25	Initial cal 5.0
G5G3451-IC3451	5G134188.D	12/15/23	20:52	02:46	Initial cal 7.5
G5G3451-IC3451	5G134189.D	12/15/23	21:13	03:07	Initial cal 10
G5G3451-IC3451	5G134190.D	12/15/23	21:33	03:27	Initial cal 50
G5G3451-IC3451	5G134191.D	12/15/23	21:54	03:48	Initial cal 50
G5G3451-ICV3451	5G134193.D	12/15/23	22:35	04:29	Initial cal verification 50
G5G3451-ICV3451	5G134194.D	12/15/23	22:56	04:50	Initial cal verification 50

DDT/Endrin Breakdown Check

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G5G3474-DDT	**Injection Date:**	01/03/24
Lab File ID:	5G134783.D	**Injection Time:**	13:15
Instrument ID:	GC5G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	111066656	111679163
4,4'-DDE	4544815	7848687
4,4'-DDT	2385617973	2356634116
DDT Breakdown [a]	4.6 %	4.8 %
Endrin aldehyde	22885638	18946461
Endrin ketone	43775964	38884160
Endrin	1633741491	1510562919
Endrin Breakdown [b]	3.9 %	3.7 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G5G3474-CC3451	5G134785.D	01/03/24	14:10	00:55	Continuing cal 2.5
JD78854-3	5G134787.D	01/03/24	14:56	01:41	(used for QC only; not part of job JD79009)
OP51269-MS	5G134788.D	01/03/24	15:16	02:01	Matrix Spike
OP51269-MSD	5G134789.D	01/03/24	15:37	02:22	Matrix Spike Duplicate
ZZZZZZ	5G134790.D	01/03/24	15:58	02:43	(unrelated sample)
ZZZZZZ	5G134791.D	01/03/24	16:19	03:04	(unrelated sample)
ZZZZZZ	5G134792.D	01/03/24	16:40	03:25	(unrelated sample)

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JD79009-1	**Injection Date:**	12/20/23
Lab File ID:	4G9734664.D	**Injection Time:**	04:30
Client ID:	SB115(3.5-4)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
beta-BHC	1	7.18	7.19	0.16	J	ug/kg	62.3
beta-BHC [a]	2 [b]	8.13	8.14	0.084	J	ug/kg	
gamma-Chlordane	1 [b]	8.77	8.80	0.12	J	ug/kg	22.2
gamma-Chlordane	2	10.22	10.22	0.15	J	ug/kg	
4,4'-DDD [a]	1 [b]	9.89	9.90	0.60		ug/kg	90.9
4,4'-DDD [a]	2	11.66	11.66	1.6		ug/kg	
4,4'-DDE [a]	1 [b]	9.08	9.08	7.8		ug/kg	42.4
4,4'-DDE [a]	2	10.71	10.71	12.0		ug/kg	
4,4'-DDT	1 [b]	10.29	10.30	0.48		ug/kg	33.0
4,4'-DDT [c]	2	12.20	12.20	0.67		ug/kg	
Methoxychlor [a]	1 [b]	11.08	11.07	0.56		ug/kg	65.1
Methoxychlor [a]	2	13.42	13.44	1.1		ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Associated CCV outside of control limits low.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JD79009-2	**Injection Date:**	12/20/23
Lab File ID:	4G9734665.D	**Injection Time:**	04:50
Client ID:	SB117(9-9.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-BHC [a]	1 [b]	6.81	6.81	0.090	J	ug/kg	162.1
alpha-BHC [a]	2	7.60	7.60	0.86		ug/kg	
delta-BHC [c]	1 [b]	7.39	7.38	0.83		ug/kg	125.5
delta-BHC [c]	2	8.57	8.54	0.19	J	ug/kg	
4,4'-DDE [c]	1 [b]	9.05	9.08	0.33	J	ug/kg	107.0
4,4'-DDE [c]	2	10.71	10.71	0.10	J	ug/kg	
4,4'-DDT [d]	1 [b]	10.29	10.30	0.23	J	ug/kg	
4,4'-DDT [e]	2	12.20	12.20	ND		ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
(d) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
(e) Associated CCV outside of control limits low.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	JD79009-3	**Injection Date:**	12/20/23
Lab File ID:	4G9734666.D	**Injection Time:**	05:10
Client ID:	SB116(11-11.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
delta-BHC [a]	1 [b]	7.36	7.38	0.10	J	ug/kg	
delta-BHC [a]	2	8.54	8.54	ND		ug/kg	
alpha-Chlordane [c]	1 [b]	8.96	8.96	16.2		ug/kg	51.2
alpha-Chlordane [c]	2	10.45	10.45	9.6		ug/kg	
gamma-Chlordane [a]	1 [b]	8.79	8.80	9.3		ug/kg	20.1
gamma-Chlordane [a]	2	10.22	10.22	7.6		ug/kg	
Dieldrin [a]	1 [b]	9.45	9.45	5.6		ug/kg	24.0
Dieldrin [a]	2	10.98	10.98	4.4		ug/kg	
4,4'-DDE [a]	1 [b]	9.07	9.08	0.23	J	ug/kg	9.1
4,4'-DDE [a]	2	10.70	10.71	0.21	J	ug/kg	
4,4'-DDT	1 [b]	10.29	10.30	0.21	J	ug/kg	28.6
4,4'-DDT [d]	2	12.20	12.20	0.28	J	ug/kg	
Heptachlor epoxide [c]	1 [b]	8.64	8.63	0.86		ug/kg	137.3
Heptachlor epoxide [c]	2	9.93	9.93	0.16	J	ug/kg	

(a) Reported from 1st signal. Internal standard outside the limits on the 2nd signal.
(b) Final result reported from this column.
(c) Reported from 1st signal. Internal standard outside the limits on the 2nd signal. More than 40 % RPD for detected concentrations between the two GC columns.
(d) Associated CCV outside of control limits low.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP51269-BS1	**Injection Date:**	12/20/23
Lab File ID:	4G9734660.D	**Injection Time:**	03:08
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.92	7.92	5.0		ug/kg	2.0
Aldrin	2	9.10	9.10	5.1		ug/kg	
alpha-BHC	1	6.81	6.81	5.1		ug/kg	0.0
alpha-BHC	2 [a]	7.60	7.60	5.1		ug/kg	
beta-BHC	1	7.19	7.19	5.2		ug/kg	3.9
beta-BHC	2 [a]	8.14	8.14	5.0		ug/kg	
delta-BHC	1 [a]	7.37	7.38	5.0		ug/kg	5.8
delta-BHC	2	8.54	8.54	5.3		ug/kg	
gamma-BHC (Lindane)	1	7.11	7.11	5.0		ug/kg	0.0
gamma-BHC (Lindane)	2 [a]	8.04	8.04	5.0		ug/kg	
alpha-Chlordane	1 [a]	8.96	8.96	4.9		ug/kg	16.8
alpha-Chlordane	2	10.45	10.45	5.8		ug/kg	
gamma-Chlordane	1	8.80	8.80	4.9		ug/kg	0.0
gamma-Chlordane	2 [a]	10.22	10.22	4.9		ug/kg	
Dieldrin	1	9.45	9.45	5.0		ug/kg	4.1
Dieldrin	2 [a]	10.98	10.98	4.8		ug/kg	
4,4'-DDD	1	9.89	9.90	4.9		ug/kg	2.1
4,4'-DDD	2 [a]	11.66	11.66	4.8		ug/kg	
4,4'-DDE	1 [a]	9.08	9.08	4.9		ug/kg	0.0
4,4'-DDE	2	10.71	10.71	4.9		ug/kg	
4,4'-DDT [b]	1 [a]	10.30	10.30	4.4		ug/kg	22.8
4,4'-DDT [b]	2	12.20	12.20	3.5		ug/kg	
Endrin	1	9.77	9.77	5.1		ug/kg	6.1
Endrin	2 [a]	11.48	11.48	4.8		ug/kg	
Endosulfan sulfate	1	11.37	11.37	4.6		ug/kg	4.4
Endosulfan sulfate	2 [a]	12.88	12.88	4.4		ug/kg	
Endrin aldehyde [b]	1 [a]	10.70	10.70	5.3		ug/kg	25.5
Endrin aldehyde [b]	2	12.41	12.41	4.1		ug/kg	
Endosulfan-I	1	9.14	9.14	4.8		ug/kg	2.1
Endosulfan-I	2 [a]	10.54	10.54	4.7		ug/kg	
Endosulfan-II	1	10.08	10.08	4.8		ug/kg	4.3
Endosulfan-II	2 [a]	11.83	11.83	4.6		ug/kg	
Heptachlor	1	7.60	7.60	5.0		ug/kg	6.2
Heptachlor	2 [a]	8.64	8.64	4.7		ug/kg	
Heptachlor epoxide	1 [a]	8.64	8.63	4.9		ug/kg	4.0
Heptachlor epoxide	2	9.93	9.93	5.1		ug/kg	
Methoxychlor	1 [a]	11.07	11.07	4.2		ug/kg	4.7
Methoxychlor	2	13.44	13.44	4.4		ug/kg	
Endrin ketone	1	11.80	11.80	4.8		ug/kg	2.1
Endrin ketone	2 [a]	13.83	13.83	4.7		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

Sample ID:	OP51269-BS1	**Injection Date:**	12/20/23
Lab File ID:	4G9734660.D	**Injection Time:**	03:08
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3474-CC3451	**Injection Date:**	01/03/24
Lab File ID:	5G134785.D	**Injection Time:**	14:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	OP51269-MS	**Injection Date:**	01/03/24
Lab File ID:	5G134788.D	**Injection Time:**	15:16
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.45	7.48	7.0		ug/kg	112.2
Aldrin	2	8.13	8.16	24.9		ug/kg	
alpha-BHC	1 [a]	6.23	6.26	12.4		ug/kg	61.1
alpha-BHC	2	6.68	6.71	6.6		ug/kg	
beta-BHC	1 [a]	6.65	6.69	70.9		ug/kg	181.2
beta-BHC	2	7.19	7.23	3.5	J	ug/kg	
delta-BHC	1 [a]	6.86	6.89	23.4		ug/kg	151.9
delta-BHC	2	7.58	7.61	3.2	J	ug/kg	
gamma-BHC (Lindane)	1 [a]	6.56	6.59	7.2		ug/kg	53.1
gamma-BHC (Lindane)	2	7.10	7.13	12.4		ug/kg	
alpha-Chlordane	1	8.56	8.59	6.2		ug/kg	49.7
alpha-Chlordane	2 [a]	9.46	9.48	10.3		ug/kg	
gamma-Chlordane	1 [a]	8.37	8.41	22.6		ug/kg	104.1
gamma-Chlordane	2	9.21	9.26	71.7		ug/kg	
Dieldrin	1	9.09	9.12	44.9		ug/kg	35.7
Dieldrin	2 [a]	9.99	10.01	31.3		ug/kg	
4,4'-DDD	1 [a]	9.54	9.56	60.1		ug/kg	15.8
4,4'-DDD	2	10.66	10.67	51.3		ug/kg	
4,4'-DDE	1	8.66	8.69	66.0		ug/kg	55.1
4,4'-DDE	2 [a]	9.71	9.73	37.5		ug/kg	
4,4'-DDT	1 [a]	9.96	9.99	98.3		ug/kg	92.9
4,4'-DDT	2	11.19	11.20	269	E	ug/kg	
Endrin	1 [a]	9.44	9.46	1.4	J	ug/kg	190.2
Endrin	2	10.48	10.50	55.7		ug/kg	
Endosulfan sulfate	1 [a]	11.11	11.15	11.6		ug/kg	151.1
Endosulfan sulfate	2	11.86	11.88	83.2		ug/kg	
Endrin aldehyde	1 [a]	10.44	10.44	11.2		ug/kg	157.4
Endrin aldehyde	2	11.44	11.41	93.9		ug/kg	
Endosulfan-I	1 [a]	8.76	8.79	3.9	J	ug/kg	79.1
Endosulfan-I	2	9.56	9.58	9.0		ug/kg	
Endosulfan-II	1 [a]	9.77	9.80	16.3		ug/kg	163.8
Endosulfan-II	2	10.84	10.85	164		ug/kg	
Heptachlor	1 [a]	7.07	7.12	23.6		ug/kg	114.7
Heptachlor	2	7.69	7.71	6.4		ug/kg	
Heptachlor epoxide	1 [a]	8.21	8.24	13.3		ug/kg	141.1
Heptachlor epoxide	2	8.93	8.98	77.0		ug/kg	
Methoxychlor	1 [a]	10.78	10.77	40.6		ug/kg	60.3
Methoxychlor	2	12.38	12.39	21.8		ug/kg	
Endrin ketone	1 [a]	11.59	11.60	77.4		ug/kg	130.4
Endrin ketone	2	12.77	12.81	16.3		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G5G3474-CC3451	**Injection Date:**	01/03/24
Lab File ID:	5G134785.D	**Injection Time:**	14:10
Instrument ID:	GC5G	**Method:**	SW846 8081B

Sample ID:	OP51269-MSD	**Injection Date:**	01/03/24
Lab File ID:	5G134789.D	**Injection Time:**	15:37
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.45	7.48	6.8		ug/kg	108.1
Aldrin	2	8.13	8.16	22.8		ug/kg	
alpha-BHC	1 [a]	6.23	6.26	20.5		ug/kg	106.0
alpha-BHC	2	6.68	6.71	6.3		ug/kg	
beta-BHC	1 [a]	6.65	6.69	62.0		ug/kg	176.3
beta-BHC	2	7.19	7.23	3.9	J	ug/kg	
delta-BHC	1 [a]	6.86	6.89	22.6		ug/kg	139.8
delta-BHC	2	7.58	7.61	4.0	J	ug/kg	
gamma-BHC (Lindane)	1 [a]	6.56	6.59	6.8		ug/kg	47.2
gamma-BHC (Lindane)	2	7.10	7.13	11.0		ug/kg	
alpha-Chlordane	1	8.56	8.59	4.6		ug/kg	79.7
alpha-Chlordane	2 [a]	9.47	9.48	10.7		ug/kg	
gamma-Chlordane	1 [a]	8.37	8.41	18.4		ug/kg	97.6
gamma-Chlordane	2	9.21	9.26	53.5		ug/kg	
Dieldrin	1	9.09	9.12	34.2		ug/kg	26.9
Dieldrin	2 [a]	9.99	10.01	26.1		ug/kg	
4,4'-DDD	1 [a]	9.53	9.56	49.4		ug/kg	12.9
4,4'-DDD	2	10.66	10.67	43.4		ug/kg	
4,4'-DDE	1	8.66	8.69	53.7		ug/kg	51.5
4,4'-DDE	2 [a]	9.71	9.73	31.7		ug/kg	
4,4'-DDT	1 [a]	9.96	9.99	80.8		ug/kg	84.5
4,4'-DDT	2	11.19	11.20	199		ug/kg	
Endrin	1 [a]	9.44	9.46	1.7	J	ug/kg	185.6
Endrin	2	10.48	10.50	45.4		ug/kg	
Endosulfan sulfate	1 [a]	11.12	11.15	10.5		ug/kg	145.9
Endosulfan sulfate	2	11.86	11.88	67.2		ug/kg	
Endrin aldehyde	1 [a]	10.44	10.44	4.6		ug/kg	175.5
Endrin aldehyde	2	11.44	11.41	70.5		ug/kg	
Endosulfan-I	1 [a]	8.75	8.79	3.9	J	ug/kg	67.8
Endosulfan-I	2	9.56	9.58	7.9		ug/kg	
Endosulfan-II	1 [a]	9.76	9.80	14.4		ug/kg	158.7
Endosulfan-II	2	10.84	10.85	125		ug/kg	
Heptachlor	1 [a]	7.07	7.12	22.7		ug/kg	124.3
Heptachlor	2	7.69	7.71	5.3		ug/kg	
Heptachlor epoxide	1 [a]	8.21	8.24	11.4		ug/kg	135.2
Heptachlor epoxide	2	8.93	8.98	59.0		ug/kg	
Methoxychlor	1 [a]	10.78	10.77	32.1		ug/kg	65.3
Methoxychlor	2	12.39	12.39	16.3		ug/kg	
Endrin ketone	1 [a]	11.59	11.60	64.5		ug/kg	123.7
Endrin ketone	2	12.80	12.81	15.2		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL243-CC144	**Injection Date:**	12/20/23
Lab File ID:	RL10814.D	**Injection Time:**	11:46
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51270-BS1	**Injection Date:**	12/20/23
Lab File ID:	RL10817.D	**Injection Time:**	14:44
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			36.6		ug/kg	7.4
Aroclor 1016 [a]	2 [b]			39.4		ug/kg	
AR1016-A	1	4.21	4.21	42.7		ug/kg	
AR1016-A	2	4.77	4.77	40.8		ug/kg	
AR1016-B	1	4.49	4.50	37.6		ug/kg	
AR1016-B	2	5.16	5.16	41.3		ug/kg	
AR1016-C	1	4.91	4.91	34.4		ug/kg	
AR1016-C	2	5.69	5.69	37.4		ug/kg	
AR1016-D	1	5.03	5.03	34.2		ug/kg	
AR1016-D	2	5.86	5.86	39.5		ug/kg	
AR1016-E	1	5.41	5.41	34.0		ug/kg	
AR1016-E	2	6.52	6.53	38.0		ug/kg	
Aroclor 1260	1			34.9		ug/kg	9.3
Aroclor 1260 [a]	2 [b]			38.3		ug/kg	
AR1260-A	1	7.42	7.42	33.7		ug/kg	
AR1260-A	2	8.49	8.49	40.2		ug/kg	
AR1260-B	1	7.91	7.91	36.9		ug/kg	
AR1260-B	2	8.95	8.95	38.1		ug/kg	
AR1260-C	1	8.19	8.19	35.0		ug/kg	
AR1260-C	2	9.23	9.23	37.6		ug/kg	
AR1260-D	1	8.53	8.53	35.4		ug/kg	
AR1260-D	2	9.45	9.44	38.7		ug/kg	
AR1260-E	1	8.82	8.82	33.6		ug/kg	
AR1260-E	2	9.79	9.78	37.1		ug/kg	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL243-CC144	**Injection Date:**	12/20/23
Lab File ID:	RL10814.D	**Injection Time:**	11:46
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51270-MS	**Injection Date:**	12/20/23
Lab File ID:	RL10818.D	**Injection Time:**	15:00
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			39.6		ug/kg	6.4
Aroclor 1016 [a]	2 [b]			42.2		ug/kg	
AR1016-B	1	4.49	4.50	40.9		ug/kg	
AR1016-B	2	5.16	5.16	42.6		ug/kg	
AR1016-C	1	4.89	4.91	35.0		ug/kg	
AR1016-C	2	5.68	5.69	42.6		ug/kg	
AR1016-D	1	5.00	5.03	42.8		ug/kg	
AR1016-D	2	5.85	5.86	41.3		ug/kg	
Aroclor 1260	1			45.1		ug/kg	0.9
Aroclor 1260 [a]	2 [b]			45.5		ug/kg	
AR1260-A	1	7.39	7.42	47.3		ug/kg	
AR1260-A	2	8.48	8.49	48.1		ug/kg	
AR1260-B	1	7.89	7.91	43.8		ug/kg	
AR1260-B	2	8.94	8.95	43.9		ug/kg	
AR1260-C	1	8.18	8.19	44.2		ug/kg	
AR1260-C	2	9.23	9.23	44.5		ug/kg	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

GC Identification Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL243-CC144	**Injection Date:**	12/20/23
Lab File ID:	RL10814.D	**Injection Time:**	11:46
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51270-MSD	**Injection Date:**	12/20/23
Lab File ID:	RL10819.D	**Injection Time:**	15:17
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			40.2		ug/kg	2.7
Aroclor 1016 [a]	2 [b]			41.3		ug/kg	
AR1016-B	1	4.49	4.50	43.9		ug/kg	
AR1016-B	2	5.16	5.16	43.1		ug/kg	
AR1016-C	1	4.89	4.91	33.4		ug/kg	
AR1016-C	2	5.68	5.69	40.7		ug/kg	
AR1016-D	1	5.00	5.03	43.2		ug/kg	
AR1016-D	2	5.85	5.86	40.1		ug/kg	
Aroclor 1260	1			40.8		ug/kg	4.8
Aroclor 1260 [a]	2 [b]			42.8		ug/kg	
AR1260-A	1	7.39	7.42	44.9		ug/kg	
AR1260-A	2	8.48	8.49	45.3		ug/kg	
AR1260-B	1	7.89	7.91	37.5		ug/kg	
AR1260-B	2	8.94	8.95	41.5		ug/kg	
AR1260-C	1	8.18	8.19	39.9		ug/kg	
AR1260-C	2	9.23	9.23	41.6		ug/kg	

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79009-1	4G9734664.D	72	116	69	311* [c]
JD79009-2	4G9734665.D	138	130	109	226* [c]
JD79009-3	4G9734666.D	161* [c]	165* [c]	165* [c]	189* [c]
OP51269-BS1	4G9734660.D	98	106	104	109
OP51269-MB1	4G9734659.D	105	112	112	115
OP51269-MS	5G134788.D	132	138	270* [d]	988* [d]
OP51269-MSD	5G134789.D	134	139	265* [d]	600* [d]

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	66-150%
S2 = Decachlorobiphenyl	40-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.
(d) Outside control limits due to matrix interference.

Surrogate Recovery Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79009-1	RL10827.D	82	102	103	107
JD79009-2	RL10828.D	73	92	81	86
JD79009-3	RL10829.D	85	107	109	115
OP51270-BS1	RL10817.D	78	92	102	103
OP51270-MB1	RL10816.D	84	102	104	111
OP51270-MS	RL10818.D	81	97	100	121
OP51270-MSD	RL10819.D	81	97	100	122

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	42-159%
S2 = Decachlorobiphenyl	18-154%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G4G4201-CC4185	**Injection Date:**	12/20/23
Lab File ID:	4G9734657.D	**Injection Time:**	02:07
Instrument ID:	GC4G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	6.31	6.90	13.58	15.50

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51269-MB1	4G9734659.D	12/20/23	02:48	6.31	6.90	13.58	15.50
OP51269-BS1	4G9734660.D	12/20/23	03:08	6.31	6.90	13.58	15.50
JD79009-1	4G9734664.D	12/20/23	04:30	6.31	6.90	13.57	15.50
JD79009-2	4G9734665.D	12/20/23	04:50	6.31	6.90	13.58	15.50
JD79009-3	4G9734666.D	12/20/23	05:10	6.31	6.90	13.57	15.50
ZZZZZZ	4G9734667.D	12/20/23	05:31	6.31	6.90	13.58	15.50
ZZZZZZ	4G9734668.D	12/20/23	05:51	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734669.D	12/20/23	06:11	6.32	6.90	13.57	15.50
ZZZZZZ	4G9734670.D	12/20/23	06:31	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734671.D	12/20/23	06:52	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734672.D	12/20/23	07:12	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734673.D	12/20/23	07:32	6.32	6.90	13.58	15.51
ZZZZZZ	4G9734674.D	12/20/23	07:53	6.32	6.90	13.57	15.50
ZZZZZZ	4G9734675.D	12/20/23	08:13	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734676.D	12/20/23	08:33	6.32	6.90	13.58	15.50
ZZZZZZ	4G9734677.D	12/20/23	08:54	6.32	6.90	13.58	15.50

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL243-CC144	**Injection Date:**	12/20/23
Lab File ID:	RL10814.D	**Injection Time:**	11:46
Instrument ID:	GCRL	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.91	4.32	9.81	10.74

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51270-MB1	RL10816.D	12/20/23	14:27	3.92	4.32	9.85	10.80
OP51270-BS1	RL10817.D	12/20/23	14:44	3.91	4.32	9.82	10.77
OP51270-MS	RL10818.D	12/20/23	15:00	3.91	4.32	9.81	10.75
OP51270-MSD	RL10819.D	12/20/23	15:17	3.91	4.32	9.81	10.76
JD79002-3	RL10820.D	12/20/23	15:34	3.91	4.32	9.81	10.76
ZZZZZZ	RL10821.D	12/20/23	15:50	3.91	4.32	9.81	10.75
ZZZZZZ	RL10822.D	12/20/23	16:07	3.91	4.32	9.81	10.76

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL244-CC144	**Injection Date:**	12/20/23
Lab File ID:	RL10825.D	**Injection Time:**	16:57
Instrument ID:	GCRL	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.91	4.32	9.81	10.75

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
JD79009-1	RL10827.D	12/20/23	17:30	3.91	4.32	9.80	10.74
JD79009-2	RL10828.D	12/20/23	17:46	3.91	4.32	9.80	10.74
JD79009-3	RL10829.D	12/20/23	18:03	3.91	4.32	9.80	10.73
ZZZZZZ	RL10830.D	12/20/23	18:20	3.91	4.32	9.80	10.73
ZZZZZZ	RL10831.D	12/20/23	18:36	3.91	4.32	9.81	10.74
ZZZZZZ	RL10832.D	12/20/23	18:53	3.91	4.32	9.81	10.75
ZZZZZZ	RL10833.D	12/20/23	19:09	3.91	4.32	9.80	10.73

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICC4185
Lab FileID: 4G9734325.D

Response Factor Report GC4G

Method : C:\msdchem\1\methods\4PSTLVI4185a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 14 10:03:06 2023
Response via : Initial Calibration

Calibration Files
2 =4g9734323.d 5 =4g9734324.d 10 =4g9734326.d 25 =4g9734325.d
50 =4g9734327.d 100 =4g9734329.d 75 =4g9734328.d =

Compound	2	5	10	25	50	100	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD								
2) Tetrachloro-	1.119	1.068	1.004	0.934	0.907	0.877	0.896	0.972	9.59
3) hexachlorobe	1.305	1.226	1.164	1.076	1.041	1.016	1.031	1.123	9.90
4) alpha-BHC	1.740	1.715	1.578	1.487	1.465	1.440	1.455	1.554	8.14
5) gamma-BHC	1.576	1.560	1.422	1.324	1.303	1.278	1.295	1.394	9.16
6) Heptachlor	1.576	1.519	1.368	1.280	1.247	1.215	1.230	1.348	10.84
7) beta-BHC	0.736	0.731	0.633	0.566	0.549	0.532	0.541	0.613	14.51
8) delta-BHC	1.798	1.672	1.457	1.343	1.322	1.304	1.311	1.458	13.68
9) Aldrin	1.623	1.547	1.405	1.299	1.265	1.219	1.238	1.371	11.64
10) alachlor		0.224	0.203	0.179	0.166	0.154	0.159	0.181	15.28
11) Heptachlor E	2.028	1.623	1.329	1.137	1.066	1.030	1.087	1.328	28.00
----- Quadratic regression ----- Coefficient = 0.9993									
Response Ratio = 0.04410 + 1.08186 *A + -0.03356 *A^2									
12) gamma-Chlord	1.531	1.463	1.315	1.209	1.181	1.137	1.157	1.285	12.22
13) alpha-Chlord	1.504	1.437	1.284	1.175	1.144	1.096	1.117	1.251	13.01
14) Endosulfan I	1.458	1.386	1.238	1.128	1.102	1.058	1.079	1.207	13.20
15) 4,4'-DDE	1.489	1.431	1.281	1.179	1.146	1.094	1.116	1.248	12.62
16) Dieldrin	1.587	1.532	1.378	1.273	1.241	1.199	1.218	1.347	11.64
17) Endrin	1.278	1.221	1.090	1.005	0.983	0.956	0.962	1.071	12.23
18) 4,4'-DDD	1.263	1.241	1.088	1.000	1.003	0.964	0.980	1.077	11.68
19) Endosulfan I	1.443	1.388	1.199	1.086	1.061	1.028	1.043	1.178	14.62
20) 4,4'-DDT	0.992	0.994	0.906	0.870	0.890	0.901	0.894	0.921	5.49
21) Endrin Aldeh	1.478	1.350	1.059	0.856	0.826	0.775	0.789	1.019	28.27
----- Quadratic regression ----- Coefficient = 0.9997									
Response Ratio = 0.04298 + 0.79999 *A + -0.02380 *A^2									
22) Endosulfan S	1.447	1.321	1.147	1.025	0.991	0.964	0.976	1.124	16.98
23) Methoxychlor	0.602	0.579	0.524	0.487	0.482	0.476	0.486	0.519	9.90
24) Mirex	1.070	0.993	0.919	0.838	0.802	0.787	0.797	0.886	12.50
25) Endrin Keton	1.708	1.536	1.325	1.173	1.137	1.103	1.118	1.300	18.24
26) Decachlorobi	1.881	1.420	1.132	0.912	0.839	0.799	0.820	1.115	36.34
----- Quadratic regression ----- Coefficient = 0.9998									
Response Ratio = 0.05565 + 0.80809 *A + -0.01827 *A^2									
27) I 1-bromo-2-nitrobenzen	ISTD								
28) Toxaphene{A}			0.008					0.008	0.00
29) Toxaphene{B}			0.011					0.011	0.00
30) Toxaphene{C}			0.013					0.013	0.00
31) Toxaphene{D}			0.016					0.016	0.00
32) Toxaphene{E}			0.010					0.010	0.00
33) I 1-bromo-2-nitrobenzen	ISTD								
34) Chlordane {A			0.059					0.059	0.00
35) Chlordane {B			0.034					0.034	0.00

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICC4185
Lab FileID: 4G9734325.D

```
 36) Chlordane {C                          0.125                    0.125   0.00
 37) Chlordane {D                          0.174                    0.174   0.00
 38) Chlordane {E                          0.032                    0.032   0.00

Signal #2


  1) I   1-bromo-2-nitrobenzen ----------------ISTD--------------------
  2) Tetrachloro- 1.049 1.011 0.974 0.951 0.940 0.915 0.936       0.968   4.88
  3) hexachlorobe 1.605 1.497 1.450 1.414 1.391 1.357 1.388       1.443   5.89
  4) alpha-BHC    1.678 1.668 1.604 1.602 1.636 1.644 1.658       1.642   1.81
  5) gamma-BHC    1.590 1.535 1.405 1.378 1.383 1.373 1.393       1.437   6.12
  6) Heptachlor   1.511 1.443 1.309 1.267 1.257 1.219 1.250       1.322   8.39
  7) beta-BHC     0.746 0.675 0.594 0.550 0.538 0.526 0.534       0.595  14.24
  8) delta-BHC    1.470 1.212 1.050 0.954 0.956 0.947 0.991       1.083  17.99
  9) Aldrin       1.495 1.380 1.241 1.185 1.166 1.125 1.152       1.249  11.00
 10) alachlor           0.216 0.187 0.161 0.146 0.130 0.138       0.163  20.12
          ----- Quadratic regression -----  Coefficient =  1.0000
               Response Ratio = 0.00724 + 0.15134 *A + -0.01235 *A^2

 11) Heptachlor E 1.330 1.218 1.084 1.015 0.987 0.945 0.971       1.079  13.35
 12) gamma-Chlord 1.281 1.181 1.048 0.995 0.970 0.942 0.962       1.054  12.19
 13) alpha-Chlord 1.034 0.893 0.770 0.683 0.672 0.653 0.674       0.768  18.78
 14) Endosulfan I 1.373 1.187 1.008 0.931 0.901 0.866 0.886       1.022  18.58
 15) 4,4'-DDE     1.238 1.155 1.033 0.969 0.949 0.905 0.929       1.026  12.26
 16) Dieldrin     1.335 1.206 1.070 1.013 1.002 0.964 0.984       1.082  12.75
 17) Endrin       1.050 0.955 0.821 0.765 0.771 0.749 0.734       0.835  14.47
 18) 4,4'-DDD     0.997 0.921 0.817 0.774 0.762 0.745 0.760       0.825  11.69
 19) Endosulfan I 1.091 0.992 0.881 0.827 0.817 0.790 0.805       0.886  12.82
 20) 4,4'-DDT     0.726 0.703 0.647 0.651 0.688 0.697 0.690       0.686   4.13
 21) Endrin Aldeh 0.897 0.751 0.637 0.527 0.506 0.477 0.509       0.615  25.58
          ----- Quadratic regression -----  Coefficient =  0.9992
               Response Ratio = 0.01783 + 0.52354 *A + -0.02571 *A^2

 22) Endosulfan S 0.925 0.841 0.738 0.701 0.697 0.687 0.694       0.755  12.24
 23) Methoxychlor 0.340 0.310 0.272 0.256 0.259 0.257 0.257       0.279  11.87
 24) Mirex        0.604 0.566 0.539 0.520 0.510 0.509 0.515       0.537   6.64
 25) Endrin Keton 0.960 0.886 0.796 0.757 0.749 0.739 0.750       0.805  10.60
 26) Decachlorobi 0.651 0.608 0.557 0.531 0.522 0.524 0.530       0.560   8.94

 27) I   1-bromo-2-nitrobenzen ----------------ISTD--------------------
 28) Toxaphene{A}                          0.009                    0.009   0.00
 29) Toxaphene{B}                          0.005                    0.005   0.00
 30) Toxaphene{C}                          0.005                    0.005   0.00
 31) Toxaphene{D}                          0.023                    0.023   0.00
 32) Toxaphene{E}                          0.005                    0.005   0.00

 33) I   1-bromo-2-nitrobenzen ----------------ISTD--------------------
 34) Chlordane {A                          0.055                    0.055   0.00
 35) Chlordane {B                          0.026                    0.026   0.00
 36) Chlordane {C                          0.090                    0.090   0.00
 37) Chlordane {D                          0.130                    0.130   0.00
 38) Chlordane {E                          0.022                    0.022   0.00
---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          4PSTLVI4185a.M        Thu Dec 14 11:06:35 2023
```

8.9.1

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734332.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\4G...\4g9734332.d\ECD1A.ch Vial: 13
Signal #2 : C:\msdchem\1\data\4G4185\4g9734332.d\ECD2B.ch
Acq On    : 14 Dec 2023   1:50 am                    Operator: mahalial
Sample    : icv4185-25 (pest mix)                    Inst    : GC4G
Misc      : op50918,g4g4185,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\methods\4PSTLVI4185a.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Thu Dec 14 10:03:06 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	5.16- 6.16
2	SAB	Tetrachloro-m-xylene	0.972	0.994	-2.3	133	0.00	6.29- 6.35
3		hexachlorobenzene	1.123	0.952	15.2	111	0.00	6.63- 6.69
4	A	alpha-BHC	1.554	1.358	12.6	114	0.00	6.79- 6.85
5	MA	gamma-BHC	1.394	1.204	13.6	114	0.00	7.08- 7.14
6	MA	Heptachlor	1.348	1.165	13.6	114	0.00	7.57- 7.63
7	B	beta-BHC	0.613	0.507	17.3	112	0.00	7.16- 7.22
8	B	delta-BHC	1.458	1.203	17.5	112	0.00	7.35- 7.41
9	MB	Aldrin	1.371	1.178	14.1	113	0.00	7.90- 7.96
10		alachlor	0.181	0.165	8.8	115	0.00	8.07- 8.13
		---------- True Calc. % Drift ----------						
11	B	Heptachlor Epoxide	2.500	2.114	15.4	109	0.00	8.61- 8.67
		---------- AvgRF CCRF % Dev ----------						
12	B	gamma-Chlordane	1.285	1.106	13.9	114	0.00	8.77- 8.83
13	B	alpha-Chlordane	1.251	1.081	13.6	115	0.00	8.94- 9.00
14	A	Endosulfan I	1.207	1.011	16.2	112	0.00	9.11- 9.17
15	B	4,4'-DDE	1.248	1.071	14.2	114	0.00	9.05- 9.11
16	MA	Dieldrin	1.347	1.168	13.3	115	0.00	9.43- 9.49
17	MA	Endrin	1.071	0.953	11.0	119	0.00	9.74- 9.80
18	A	4,4'-DDD	1.077	0.939	12.8	118	0.00	9.87- 9.93
19	B	Endosulfan II	1.178	0.988	16.1	114	0.00	10.06-10.12
20	MA	4,4'-DDT	0.921	0.814	11.6	117	0.00	10.28-10.34
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.522	-0.9	129	0.00	10.68-10.74
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.124	0.973	13.4	119	0.00	11.35-11.41
23	A	Methoxychlor	0.519	0.454	12.5	117	0.00	11.05-11.11
24		Mirex	0.886	0.788	11.1	118	0.00	11.17-11.23
25	B	Endrin Ketone	1.300	1.082	16.8	115	0.00	11.78-11.84
		---------- True Calc. % Drift ----------						
26	SA	Decachlorobiphenyl	2.500	2.613	-4.5	130	0.00	13.55-13.61
		---------- AvgRF CCRF % Dev ----------						
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	5.16- 6.16
28	L8	Toxaphene{A}		----------NA----------				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734332.D

29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	125	0.00	5.16- 6.16	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	127	0.00	5.51- 6.51	
2	SAB	Tetrachloro-m-xylene	0.968	1.017	-5.1	136	0.00	6.87- 6.93	
3		hexachlorobenzene	1.443	1.250	13.4	112	0.00	7.41- 7.47	
4	A	alpha-BHC	1.642	1.465	10.8	116	0.00	7.58- 7.64	
5	MA	gamma-BHC	1.437	1.250	13.0	115	0.00	8.02- 8.08	
6	MA	Heptachlor	1.322	1.162	12.1	116	0.00	8.61- 8.67	
7	B	beta-BHC	0.595	0.500	16.0	115	0.00	8.11- 8.17	
8	B	delta-BHC	1.083	0.866	20.0	115	0.00	8.52- 8.58	
9	MB	Aldrin	1.249	1.097	12.2	118	0.00	9.07- 9.13	
		---------- True Calc. % Drift ----------							
10		alachlor	2.500	1.966	21.4#	102	0.00	8.88- 8.94	
		---------- AvgRF CCRF % Dev ----------							
11	B	Heptachlor Epoxide	1.079	0.922	14.6	115	0.00	9.91- 9.97	
12	B	gamma-Chlordane	1.054	0.872	17.3	111	0.00	10.19-10.25	
13	B	alpha-Chlordane	0.768	0.619	19.4	115	0.00	10.42-10.48	
14	A	Endosulfan I	1.022	0.818	20.0	112	0.00	10.52-10.58	
15	B	4,4'-DDE	1.026	0.877	14.5	115	0.00	10.68-10.74	
16	MA	Dieldrin	1.082	0.915	15.4	115	0.00	10.95-11.01	
17	MA	Endrin	0.835	0.760	9.0	126	0.00	11.46-11.52	
18	A	4,4'-DDD	0.825	0.707	14.3	116	0.00	11.64-11.70	
19	B	Endosulfan II	0.886	0.757	14.6	116	0.00	11.81-11.87	
20	MA	4,4'-DDT	0.686	0.636	7.3	124	0.00	12.17-12.23	
		---------- True Calc. % Drift ----------							
21	B	Endrin Aldehyde	2.500	2.354	5.8	125	0.00	12.38-12.44	
		---------- AvgRF CCRF % Dev ----------							
22	B	Endosulfan Sulfate	0.755	0.648	14.2	117	0.00	12.85-12.91	
23	A	Methoxychlor	0.279	0.269	3.6	133	0.00	13.42-13.48	
24		Mirex	0.537	0.506	5.8	124	0.00	13.75-13.81	
25	B	Endrin Ketone	0.805	0.706	12.3	119	0.00	13.81-13.87	
26	SA	Decachlorobiphenyl	0.560	0.575	-2.7	138	0.00	15.48-15.54	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	127	0.00	5.51- 6.51	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	127	0.00	5.51- 6.51	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				

8.9.2

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734332.D

```
36     Chlordane {C}                          ----------NA----------
37     Chlordane {D}                          ----------NA----------
38     Chlordane {E}                          ----------NA----------
------------------------------------------------------------------------------
------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    4g9734325.d 4PSTLVI4185a.M        Thu Dec 14 10:06:38 2023
```

8.9.2

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734333.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\4G...\4g9734333.d\ECD1A.ch Vial: 14
Signal #2 : C:\msdchem\1\data\4G4185\4g9734333.d\ECD2B.ch
Acq On    : 14 Dec 2023   2:10 am                    Operator: mahalial
Sample    : icv4185-50 (chlordane)                   Inst    : GC4G
Misc      : op50918,g4g4185,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\methods\4PSTLVI4185a.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Thu Dec 14 10:03:06 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	5.15- 6.15
2	SAB	Tetrachloro-m-xylene	0.972	1.051	-8.1	119	0.00	6.29- 6.35
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
		---------- True	Calc.	% Drift ----------				
11	B	Heptachlor Epoxide		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
		---------- True	Calc.	% Drift ----------				
26	SA	Decachlorobiphenyl	5.000	5.734	-14.7	117	0.00	13.55-13.61
		---------- AvgRF	CCRF	% Dev ----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	5.15- 6.15
28	L8	Toxaphene{A}		----------NA----------				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734333.D

29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	79	0.00	5.15- 6.15	
34		Chlordane {A}	0.059	0.071	-20.3#	95	0.00	7.50- 7.70	
35		Chlordane {B}	0.034	0.042	-23.5#	96	0.00	7.98- 8.18	
36		Chlordane {C}	0.125	0.154	-23.2#	97	0.00	8.70- 8.90	
37		Chlordane {D}	0.174	0.228	-31.0#	104	0.00	8.86- 9.06	
38		Chlordane {E}	0.032	0.037	-15.6	91	0.00	9.89-10.09	

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	5.51- 6.51	
2	SAB	Tetrachloro-m-xylene	0.968	1.110	-14.7	121	0.00	6.87- 6.93	
3		hexachlorobenzene			----------NA----------				
4	A	alpha-BHC			----------NA----------				
5	MA	gamma-BHC			----------NA----------				
6	MA	Heptachlor			----------NA----------				
7	B	beta-BHC			----------NA----------				
8	B	delta-BHC			----------NA----------				
9	MB	Aldrin			----------NA----------				
		----------	True	Calc.	% Drift	----------			
10		alachlor			----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------			
11	B	Heptachlor Epoxide			----------NA----------				
12	B	gamma-Chlordane			----------NA----------				
13	B	alpha-Chlordane			----------NA----------				
14	A	Endosulfan I			----------NA----------				
15	B	4,4'-DDE			----------NA----------				
16	MA	Dieldrin			----------NA----------				
17	MA	Endrin			----------NA----------				
18	A	4,4'-DDD			----------NA----------				
19	B	Endosulfan II			----------NA----------				
20	MA	4,4'-DDT			----------NA----------				
		----------	True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde			----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate			----------NA----------				
23	A	Methoxychlor			----------NA----------				
24		Mirex			----------NA----------				
25	B	Endrin Ketone			----------NA----------				
26	SA	Decachlorobiphenyl	0.560	0.635	-13.4	124	0.00	15.47-15.53	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	5.51- 6.51	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	77	0.00	5.51- 6.51	
34		Chlordane {A}	0.055	0.072	-30.9#	101	0.00	8.54- 8.74	
35		Chlordane {B}	0.026	0.036	-38.5#	107	0.00	9.20- 9.40	

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734333.D

36	Chlordane {C}	0.090	0.115	-27.8#	98	0.00	10.12-10.32
37	Chlordane {D}	0.130	0.169	-30.0#	100	0.00	10.26-10.46
38	Chlordane {E}	0.022	0.031	-40.9#	106	0.00	11.82-12.02

(#) = Out of Range SPCC's out = 0 CCC's out = 0

4g9734331.d 4PSTLVI4185a.M Thu Dec 14 11:05:14 2023

8.9.3

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734334.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\4G...\4g9734334.d\ECD1A.ch Vial: 15
Signal #2 : C:\msdchem\1\data\4G4185\4g9734334.d\ECD2B.ch
Acq On : 14 Dec 2023 2:31 am Operator: mahalial
Sample : icv4185-50 (toxaphene) Inst : GC4G
Misc : op50918,g4g4185,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\4PSTLVI4185a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 14 10:03:06 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.16- 6.16
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
		---------- True	Calc.	% Drift ----------				
11	B	Heptachlor Epoxide		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
		---------- True	Calc.	% Drift ----------				
26	SA	Decachlorobiphenyl		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	76	0.00	5.16- 6.16
28	L8	Toxaphene{A}	0.008	0.007	12.5	69	-0.02	8.83- 9.03

8.9.4

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734334.D

29	L8	Toxaphene{B}	0.011	0.012	-9.1	89	0.00	9.49- 9.69
30	L8	Toxaphene{C}	0.013	0.019	-46.2#	115	0.01	9.73- 9.93
31	L8	Toxaphene{D}	0.016	0.015	6.3	70	0.00	10.15-10.35
32	L8	Toxaphene{E}	0.010	0.011	-10.0	88	0.00	10.96-11.16
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	76	0.00	5.16- 6.16
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	99	0.00	5.51- 6.51
2	SAB	Tetrachloro-m-xylene		----------NA----------				
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
		---------- True		Calc.	% Drift		----------	
10		alachlor		----------NA----------				
		---------- AvgRF		CCRF	% Dev		----------	
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True		Calc.	% Drift		----------	
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF		CCRF	% Dev		----------	
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl		----------NA----------				
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	76	0.00	5.51- 6.51
28	L8	Toxaphene{A}	0.009	0.012	-33.3#	100	0.00	10.85-11.05
29	L8	Toxaphene{B}	0.005	0.007	-40.0#	92	0.00	11.02-11.22
30	L8	Toxaphene{C}	0.005	0.008	-60.0#	122	0.00	11.64-11.84
31	L8	Toxaphene{D}	0.023	0.033	-43.5#	111	0.00	11.87-12.07
32	L8	Toxaphene{E}	0.005	0.004	20.0	57	0.00	13.56-13.76
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	5.51- 6.51
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4185-ICV4185
Lab FileID: 4G9734334.D

```
36     Chlordane {C}                          ----------NA----------
37     Chlordane {D}                          ----------NA----------
38     Chlordane {E}                          ----------NA----------
------------------------------------------------------------------------------
------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    4g9734331.d 4PSTLVI4185a.M        Thu Dec 14 11:05:16 2023
```

8.9.4

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4201-CC4185
Lab FileID: 4G9734657.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ky...\4g9734657.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\kyrae\4G4201\4g9734657.d\ECD2B.ch
Acq On : 20 Dec 2023 2:07 am Operator: christp
Sample : cc4185-5 Inst : GC4G
Misc : op51110,g4g4201,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...1\4PSTLVI4185a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 21 03:31:39 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	5.15- 6.15
2	SAB	Tetrachloro-m-xylene	0.972	0.892	8.2	96	0.00	6.28- 6.34
3		hexachlorobenzene	1.123	1.059	5.7	99	0.00	6.63- 6.69
4	A	alpha-BHC	1.554	1.490	4.1	99	0.00	6.78- 6.84
5	MA	gamma-BHC	1.394	1.332	4.4	100	0.00	7.08- 7.14
6	MA	Heptachlor	1.348	1.291	4.2	101	0.00	7.57- 7.63
7	B	beta-BHC	0.613	0.578	5.7	103	0.00	7.16- 7.22
8	B	delta-BHC	1.458	1.390	4.7	102	0.00	7.35- 7.41
9	MB	Aldrin	1.371	1.263	7.9	97	0.00	7.89- 7.95
10		alachlor	0.181	0.168	7.2	99	0.00	8.06- 8.12
		---------- True Calc. % Drift ----------						
11	B	Heptachlor Epoxide	5.000	4.616	7.7	93	0.00	8.60- 8.66
		---------- AvgRF CCRF % Dev ----------						
12	B	gamma-Chlordane	1.285	1.183	7.9	98	0.00	8.77- 8.83
13	B	alpha-Chlordane	1.251	1.143	8.6	97	0.00	8.93- 8.99
14	A	Endosulfan I	1.207	1.115	7.6	99	0.00	9.11- 9.17
15	B	4,4'-DDE	1.248	1.152	7.7	98	0.00	9.05- 9.11
16	MA	Dieldrin	1.347	1.246	7.5	98	0.00	9.42- 9.48
17	MA	Endrin	1.071	0.994	7.2	99	0.00	9.74- 9.80
18	A	4,4'-DDD	1.077	1.005	6.7	98	0.00	9.87- 9.93
19	B	Endosulfan II	1.178	1.053	10.6	97	0.00	10.05-10.11
20	MA	4,4'-DDT	0.921	0.785	14.8	86	0.00	10.27-10.33
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	5.000	4.925	1.5	95	0.00	10.67-10.73
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.124	1.006	10.5	99	0.00	11.34-11.40
23	A	Methoxychlor	0.519	0.443	14.6	90	0.00	11.04-11.10
24		Mirex	0.886	0.802	9.5	97	0.00	11.17-11.23
25	B	Endrin Ketone	1.300	1.166	10.3	100	0.00	11.77-11.83
		---------- True Calc. % Drift ----------						
26	SA	Decachlorobiphenyl	5.000	4.967	0.7	98	0.00	13.55-13.61
		---------- AvgRF CCRF % Dev ----------						
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	75	0.00	5.15- 6.15
28	L8	Toxaphene{A}		----------NA----------				

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4201-CC4185
Lab FileID: 4G9734657.D

29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	75	0.00	5.15- 6.15	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	88	0.00	5.50- 6.50	
2	SAB	Tetrachloro-m-xylene	0.968	0.946	2.3	89	0.00	6.87- 6.93	
3		hexachlorobenzene	1.443	1.362	5.6	86	0.00	7.40- 7.46	
4	A	alpha-BHC	1.642	1.601	2.5	86	0.00	7.57- 7.63	
5	MA	gamma-BHC	1.437	1.367	4.9	87	0.00	8.01- 8.07	
6	MA	Heptachlor	1.322	1.186	10.3	83	0.00	8.61- 8.67	
7	B	beta-BHC	0.595	0.551	7.4	90	0.00	8.11- 8.17	
8	B	delta-BHC	1.083	1.103	-1.8	102	0.00	8.51- 8.57	
9	MB	Aldrin	1.249	1.159	7.2	88	0.00	9.07- 9.13	
		---------- True Calc. % Drift ----------							
10		alachlor	5.000	4.949	1.0	88	0.00	8.88- 8.94	
		---------- AvgRF CCRF % Dev ----------							
11	B	Heptachlor Epoxide	1.079	1.007	6.7	90	0.00	9.90- 9.96	
12	B	gamma-Chlordane	1.054	0.982	6.8	89	0.00	10.19-10.25	
13	B	alpha-Chlordane	0.768	0.827	-7.7	108	0.00	10.42-10.48	
14	A	Endosulfan I	1.022	0.908	11.2	89	0.00	10.51-10.57	
15	B	4,4'-DDE	1.026	0.950	7.4	88	0.00	10.68-10.74	
16	MA	Dieldrin	1.082	0.966	10.7	85	0.00	10.95-11.01	
17	MA	Endrin	0.835	0.741	11.3	85	0.00	11.45-11.51	
18	A	4,4'-DDD	0.825	0.740	10.3	86	0.00	11.63-11.69	
19	B	Endosulfan II	0.886	0.754	14.9	81	0.00	11.80-11.86	
20	MA	4,4'-DDT	0.686	0.478	30.3#	61	0.00	12.17-12.23	
		---------- True Calc. % Drift ----------							
21	B	Endrin Aldehyde	5.000	3.914	21.7#	72	0.00	12.38-12.44	
		---------- AvgRF CCRF % Dev ----------							
22	B	Endosulfan Sulfate	0.755	0.643	14.8	81	0.00	12.85-12.91	
23	A	Methoxychlor	0.279	0.239	14.3	81	0.00	13.41-13.47	
24		Mirex	0.537	0.490	8.8	85	0.00	13.74-13.80	
25	B	Endrin Ketone	0.805	0.702	12.8	83	0.00	13.80-13.86	
26	SA	Decachlorobiphenyl	0.560	0.562	-0.4	95	0.00	15.47-15.53	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	68	0.00	5.50- 6.50	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	67	0.00	5.50- 6.50	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4201-CC4185
Lab FileID: 4G9734657.D

```
36     Chlordane {C}                          ----------NA----------
37     Chlordane {D}                          ----------NA----------
38     Chlordane {E}                          ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range                SPCC's out = 0  CCC's out = 0
    4g9734657.d 4PSTLVI4185a.M        Thu Dec 21 03:39:08 2023
```

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4202-CC4185
Lab FileID: 4G9734682.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...\4g9734682.d\ECD1A.ch Vial: 2
Signal #2 : C:\msdchem\1\data\chrisc...4202\4g9734682.d\ECD2B.ch
Acq On : 20 Dec 2023 11:38 am Operator: rebeccak
Sample : cc4185-2.5 Inst : GC4G
Misc : op51269,g4g4202,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...2\4PSTLVI4185a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 21 05:05:46 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	104	0.00	5.15- 6.15
2	SAB	Tetrachloro-m-xylene	0.972	0.930	4.3	104	0.00	6.29- 6.35
3		hexachlorobenzene	1.123	1.086	3.3	105	0.00	6.63- 6.69
4	A	alpha-BHC	1.554	1.495	3.8	105	0.00	6.78- 6.84
5	MA	gamma-BHC	1.394	1.326	4.9	104	0.00	7.08- 7.14
6	MA	Heptachlor	1.348	1.280	5.0	104	0.00	7.57- 7.63
7	B	beta-BHC	0.613	0.581	5.2	107	0.00	7.17- 7.23
8	B	delta-BHC	1.458	1.377	5.6	107	0.00	7.36- 7.42
9	MB	Aldrin	1.371	1.260	8.1	101	0.00	7.90- 7.96
10		alachlor	0.181	0.172	5.0	100	0.00	8.07- 8.13
			True	Calc.	% Drift			
11	B	Heptachlor Epoxide	2.500	2.248	10.1	96	0.00	8.61- 8.68
			AvgRF	CCRF	% Dev			
12	B	gamma-Chlordane	1.285	1.188	7.5	102	0.00	8.78- 8.84
13	B	alpha-Chlordane	1.251	1.150	8.1	102	0.00	8.94- 9.00
14	A	Endosulfan I	1.207	1.117	7.5	103	0.00	9.12- 9.18
15	B	4,4'-DDE	1.248	1.163	6.8	103	0.00	9.06- 9.12
16	MA	Dieldrin	1.347	1.245	7.6	102	0.00	9.43- 9.49
17	MA	Endrin	1.071	1.078	-0.7	112	0.00	9.74- 9.80
18	A	4,4'-DDD	1.077	1.005	6.7	105	0.00	9.87- 9.93
19	B	Endosulfan II	1.178	1.059	10.1	101	0.00	10.06-10.12
20	MA	4,4'-DDT	0.921	0.765	16.9	92	0.00	10.28-10.34
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.229	10.8	96	0.00	10.68-10.74
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	1.124	0.972	13.5	99	0.00	11.35-11.41
23	A	Methoxychlor	0.519	0.429	17.3	92	0.00	11.05-11.11
24		Mirex	0.886	0.801	9.6	99	0.00	11.17-11.23
25	B	Endrin Ketone	1.300	1.128	13.2	100	0.00	11.77-11.83
			True	Calc.	% Drift			
26	SA	Decachlorobiphenyl	2.500	2.403	3.9	100	0.00	13.55-13.61
			AvgRF	CCRF	% Dev			
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	5.15- 6.15
28	L8	Toxaphene{A}		----------NA----------				

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4202-CC4185
Lab FileID: 4G9734682.D

29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	5.15- 6.15	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				
36		Chlordane {C}			----------NA----------				
37		Chlordane {D}			----------NA----------				
38		Chlordane {E}			----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	94	0.00	5.51- 6.51	
2	SAB	Tetrachloro-m-xylene	0.968	0.958	1.0	95	0.00	6.87- 6.93	
3		hexachlorobenzene	1.443	1.349	6.5	90	0.00	7.41- 7.47	
4	A	alpha-BHC	1.642	1.529	6.9	90	0.00	7.58- 7.64	
5	MA	gamma-BHC	1.437	1.302	9.4	89	0.00	8.02- 8.08	
6	MA	Heptachlor	1.322	1.135	14.1	84	0.00	8.61- 8.67	
7	B	beta-BHC	0.595	0.540	9.2	92	0.00	8.12- 8.18	
8	B	delta-BHC	1.083	1.088	-0.5	107	0.00	8.52- 8.58	
9	MB	Aldrin	1.249	1.122	10.2	89	0.00	9.07- 9.13	
		----------	True	Calc.	% Drift			----------	
10		alachlor	2.500	2.337	6.5	88	0.00	8.89- 8.95	
		----------	AvgRF	CCRF	% Dev			----------	
11	B	Heptachlor Epoxide	1.079	0.960	11.0	89	0.00	9.91- 9.97	
12	B	gamma-Chlordane	1.054	0.926	12.1	88	0.00	10.19-10.25	
13	B	alpha-Chlordane	0.768	0.809	-5.3	112	0.00	10.42-10.48	
14	A	Endosulfan I	1.022	0.855	16.3	86	0.00	10.52-10.58	
15	B	4,4'-DDE	1.026	0.880	14.2	86	0.00	10.69-10.75	
16	MA	Dieldrin	1.082	0.880	18.7	82	0.00	10.95-11.01	
17	MA	Endrin	0.835	0.720	13.8	89	0.00	11.46-11.52	
18	A	4,4'-DDD	0.825	0.668	19.0	81	0.00	11.64-11.70	
19	B	Endosulfan II	0.886	0.679	23.4#	77	0.00	11.81-11.87	
20	MA	4,4'-DDT	0.686	0.409	40.4#	59	0.00	12.17-12.23	
		----------	True	Calc.	% Drift			----------	
21	B	Endrin Aldehyde	2.500	1.762	29.5#	71	0.00	12.38-12.44	
		----------	AvgRF	CCRF	% Dev			----------	
22	B	Endosulfan Sulfate	0.755	0.557	26.2#	75	0.00	12.85-12.91	
23	A	Methoxychlor	0.279	0.206	26.2#	76	0.00	13.41-13.47	
24		Mirex	0.537	0.436	18.8	79	0.00	13.75-13.81	
25	B	Endrin Ketone	0.805	0.616	23.5#	77	0.00	13.81-13.87	
26	SA	Decachlorobiphenyl	0.560	0.511	8.8	91	0.00	15.47-15.53	
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	94	0.00	5.51- 6.51	
28	L8	Toxaphene{A}			----------NA----------				
29	L8	Toxaphene{B}			----------NA----------				
30	L8	Toxaphene{C}			----------NA----------				
31	L8	Toxaphene{D}			----------NA----------				
32	L8	Toxaphene{E}			----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	94	0.00	5.51- 6.51	
34		Chlordane {A}			----------NA----------				
35		Chlordane {B}			----------NA----------				

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G4G4202-CC4185
Lab FileID: 4G9734682.D

```
36     Chlordane {C}                        ----------NA----------
37     Chlordane {D}                        ----------NA----------
38     Chlordane {E}                        ----------NA----------
-------------------------------------------------------------------------------
-------------------------------------------------------------------------------

   (#) = Out of Range               SPCC's out = 0  CCC's out = 0
    4g9734339.d 4PSTLVI4185a.M       Thu Dec 21 08:31:28 2023
```

8.9.6

8

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICC3451
Lab FileID: 5G134186.D

Response Factor Report GC5G

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Initial Calibration

Calibration Files
2 =5G134183.d 5 =5G134184.d 10 =5G134185.d 25 =5G134186.d
50 =5G134187.d 100 =5G134189.d 75 =5G134188.d =

Compound	2	5	10	25	50	100	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD								
2) Tetrachloro-	0.457	0.456	0.446	0.410	0.431	0.429	0.438	0.438	3.85
3) hexachlorobe	1.460	1.376	1.330	1.251	1.254	1.263	1.267	1.314	6.03
4) alpha-BHC	1.630	1.631	1.495	1.459	1.489	1.510	1.505	1.531	4.56
5) gamma-BHC	1.565	1.515	1.341	1.283	1.316	1.340	1.331	1.384	7.87
6) Heptachlor	1.573	1.467	1.337	1.234	1.224	1.214	1.214	1.323	10.90
7) beta-BHC	0.610	0.559	0.475	0.435	0.440	0.435	0.436	0.484	14.73
8) delta-BHC	1.914	1.706	1.438	1.340	1.378	1.405	1.385	1.510	14.29
9) Aldrin	1.547	1.437	1.257	1.174	1.182	1.179	1.175	1.279	11.88
10) alachlor		0.166	0.161	0.143	0.118	0.108	0.112	0.135	18.90
11) Heptachlor E	1.484	1.359	1.165	1.069	1.063	1.046	1.046	1.176	14.99
12) gamma-Chlord	1.425	1.317	1.122	1.052	1.057	1.055	1.049	1.154	13.33
13) alpha-Chlord	1.524	1.339	1.135	1.032	1.012	1.015	1.010	1.152	17.60
14) Endosulfan I	1.359	1.279	1.113	1.015	0.971	0.963	0.973	1.096	14.80
15) 4,4'-DDE	1.344	1.303	1.154	1.065	1.035	1.039	1.039	1.140	11.62
16) Dieldrin	1.610	1.508	1.295	1.172	1.137	1.110	1.116	1.278	15.93
17) Endrin	1.408	1.305	1.137	1.051	1.027	1.007	1.010	1.135	14.13
18) 4,4'-DDD	1.133	1.037	0.917	0.853	0.835	0.836	0.836	0.921	12.90
19) Endosulfan I	1.349	1.237	1.064	0.969	0.946	0.927	0.919	1.059	16.06
20) 4,4'-DDT	1.168	1.067	0.975	0.896	0.884	0.853	0.842	0.955	12.81
21) Endrin Aldeh	1.241	1.001	0.838	0.708	0.659	0.634	0.641	0.818	28.05
----- Quadratic regression ----- Coefficient = 0.9999									
Response Ratio = 0.03381 + 0.63784 *A + -0.01088 *A^2									
22) Endosulfan S	1.275	1.198	1.004	0.879	0.846	0.832	0.834	0.981	18.91
23) Methoxychlor	0.625	0.581	0.482	0.425	0.415	0.401	0.408	0.477	19.12
24) Mirex	0.792	0.748	0.684	0.625	0.615	0.609	0.618	0.670	11.00
25) Endrin Keton	1.400	1.317	1.092	0.995	0.966	0.949	0.954	1.096	17.08
26) Decachlorobi	0.852	0.812	0.695	0.696	0.659	0.674	0.680	0.724	10.46
27) I 1-bromo-2-nitrobenzen	ISTD								
28) Toxaphene{A}				0.007				0.007	0.00
29) Toxaphene{B}				0.009				0.009	0.00
30) Toxaphene{C}				0.014				0.014	0.00
31) Toxaphene{D}				0.009				0.009	0.00
32) Toxaphene{E}				0.012				0.012	0.00
33) I 1-bromo-2-nitrobenzen	ISTD								
34) Chlordane {A				0.054				0.054	0.00
35) Chlordane {B				0.030				0.030	0.00
36) Chlordane {C				0.111				0.111	0.00
37) Chlordane {D				0.163				0.163	0.00
38) Chlordane {E				0.027				0.027	0.00

Signal #2

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICC3451
Lab FileID: 5G134186.D

```
 1) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
 2) Tetrachloro- 1.021 0.964 0.898 0.936 0.892 0.886 0.888       0.926   5.51
 3) hexachlorobe 1.713 1.647 1.558 1.500 1.487 1.476 1.491       1.553   5.97
 4) alpha-BHC    2.045 1.913 1.699 1.669 1.649 1.640 1.645       1.751   9.21
 5) gamma-BHC    1.972 1.797 1.609 1.525 1.526 1.513 1.519       1.637  10.94
 6) Heptachlor   1.699 1.617 1.429 1.382 1.343 1.306 1.315       1.442  10.77
 7) beta-BHC     0.766 0.728 0.636 0.596 0.598 0.588 0.593       0.644  11.37
 8) delta-BHC    1.978 1.839 1.617 1.502 1.513 1.492 1.497       1.634  12.04
 9) Aldrin       1.631 1.554 1.405 1.325 1.317 1.300 1.307       1.406   9.56
10) alachlor           0.225 0.185 0.164 0.155 0.144 0.149       0.170  17.88
11) Heptachlor E 1.545 1.437 1.275 1.187 1.173 1.140 1.150       1.273  12.47
12) gamma-Chlord 1.625 1.489 1.315 1.234 1.224 1.210 1.213       1.330  12.31
13) alpha-Chlord 1.462 1.355 1.206 1.134 1.145 1.122 1.127       1.222  11.00
14) Endosulfan I 1.397 1.347 1.178 1.091 1.095 1.064 1.065       1.177  11.85
15) 4,4'-DDE     1.550 1.378 1.243 1.168 1.154 1.151 1.147       1.256  12.28
16) Dieldrin     1.438 1.376 1.236 1.169 1.153 1.147 1.149       1.238   9.72
17) Endrin       0.602 0.722 0.756 0.741 0.775 0.771 0.776       0.735   8.40
18) 4,4'-DDD     1.024 0.971 0.865 0.817 0.806 0.801 0.799       0.869  10.58
19) Endosulfan I 1.304 1.203 1.069 0.991 0.979 0.958 0.962       1.067  12.74
20) 4,4'-DDT     1.306 1.121 0.894 0.853 0.852 0.850 0.842       0.960  18.98
21) Endrin Aldeh 1.345 1.117 0.939 0.758 0.727 0.685 0.685       0.894  28.48
         ----- Quadratic regression -----  Coefficient =  0.9985
              Response Ratio = 0.02913 + 0.74007 *A + -0.03959 *A^2

22) Endosulfan S 1.178 1.083 0.956 0.889 0.884 0.877 0.875       0.963  12.55
23) Methoxychlor 0.594 0.534 0.446 0.384 0.392 0.379 0.385       0.445  19.37
24) Mirex        0.711 0.674 0.634 0.617 0.613 0.612 0.615       0.639   6.03
25) Endrin Keton 1.215 1.135 1.002 0.941 0.936 0.935 0.933       1.014  11.34
26) Decachlorobi 0.812 0.801 0.737 0.708 0.707 0.711 0.710       0.741   6.21

27) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
28) Toxaphene{A}                        0.008                   0.008   0.00
29) Toxaphene{B}                        0.005                   0.005   0.00
30) Toxaphene{C}                        0.025                   0.025   0.00
31) Toxaphene{D}                        0.022                   0.022   0.00
32) Toxaphene{E}                        0.024                   0.024   0.00

33) I   1-bromo-2-nitrobenzen ----------------ISTD---------------------
34) Chlordane {A                        0.064                   0.064   0.00
35) Chlordane {B                        0.034                   0.034   0.00
36) Chlordane {C                        0.122                   0.122   0.00
37) Chlordane {D                        0.193                   0.193   0.00
38) Chlordane {E                        0.026                   0.026   0.00
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          5pstlvi3451.M        Sun Dec 17 21:48:05 2023
```

8.9.7

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134193.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\G5...1\5G134193.d\ECD1A.ch Vial: 22
Signal #2 : C:\msdchem\1\data\G5G3451\5G134193.d\ECD2B.ch
Acq On : 15 Dec 2023 10:35 pm Operator: tilakp
Sample : icv3451-50(chlordane) Inst : GC5G
Misc : op49299,G5G3451,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	101	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.485	-10.7	113	0.00	5.69- 5.75
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.724	0.817	-12.8	125	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	96	0.00	4.53- 5.53
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	75	0.00	4.53- 5.53
34		Chlordane {A}	0.054	0.066	-22.2#	90	0.00	7.04- 7.24
35		Chlordane {B}	0.030	0.036	-20.0	87	0.00	7.56- 7.76

8.9.8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134193.D

36		Chlordane {C}	0.111	0.138	-24.3#	93	0.00	8.34- 8.54
37		Chlordane {D}	0.163	0.196	-20.2#	90	0.00	8.52- 8.72
38		Chlordane {E}	0.027	0.033	-22.2#	93	0.00	9.64- 9.84
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	102	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.054	-13.8	120	0.00	6.02- 6.08
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.741	0.836	-12.8	120	0.00	14.56-14.62
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.67- 5.67
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	74	0.00	4.67- 5.67
34		Chlordane {A}	0.064	0.075	-17.2	86	0.00	7.66- 7.86
35		Chlordane {B}	0.034	0.040	-17.6	88	0.00	8.31- 8.51
36		Chlordane {C}	0.122	0.141	-15.6	86	0.00	9.23- 9.43
37		Chlordane {D}	0.193	0.225	-16.6	86	0.00	9.46- 9.66
38		Chlordane {E}	0.026	0.032	-23.1#	92	0.00	10.92-11.12

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134190.d 5pstlvi3451.M Sun Dec 17 21:43:57 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134194.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\G5...1\5G134194.d\ECD1A.ch Vial: 23
Signal #2 : C:\msdchem\1\data\G5G3451\5G134194.d\ECD2B.ch
Acq On    : 15 Dec 2023  10:56 pm                    Operator: tilakp
Sample    : icv3451-50(toxaphene)                    Inst    : GC5G
Misc      : op49299,G5G3451,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\methods\5pstlvi3451.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.427	2.5	93	0.00	5.69- 5.75
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
8	B	delta-BHC		----------NA----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.724	0.759	-4.8	108	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	4.53- 5.53
28	L8	Toxaphene{A}	0.007	0.008	-14.3	105	0.00	8.49- 8.69
29	L8	Toxaphene{B}	0.009	0.010	-11.1	102	0.00	9.20- 9.40
30	L8	Toxaphene{C}	0.014	0.019	-35.7#	118	0.00	9.92-10.12
31	L8	Toxaphene{D}	0.009	0.010	-11.1	97	0.00	10.26-10.46
32	L8	Toxaphene{E}	0.012	0.011	8.3	81	0.00	10.79-10.99
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.53- 5.53
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134194.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.018	-9.9	109	0.00	6.02- 6.08
3		hexachlorobenzene			----------NA----------			
4	A	alpha-BHC			----------NA----------			
5	MA	gamma-BHC			----------NA----------			
6	MA	Heptachlor			----------NA----------			
7	B	beta-BHC			----------NA----------			
8	B	delta-BHC			----------NA----------			
9	MB	Aldrin			----------NA----------			
10		alachlor			----------NA----------			
11	B	Heptachlor Epoxide			----------NA----------			
12	B	gamma-Chlordane			----------NA----------			
13	B	alpha-Chlordane			----------NA----------			
14	A	Endosulfan I			----------NA----------			
15	B	4,4'-DDE			----------NA----------			
16	MA	Dieldrin			----------NA----------			
17	MA	Endrin			----------NA----------			
18	A	4,4'-DDD			----------NA----------			
19	B	Endosulfan II			----------NA----------			
20	MA	4,4'-DDT			----------NA----------			
		----------	True	Calc.	% Drift	----------		
21	B	Endrin Aldehyde			----------NA----------			
		----------	AvgRF	CCRF	% Dev	----------		
22	B	Endosulfan Sulfate			----------NA----------			
23	A	Methoxychlor			----------NA----------			
24		Mirex			----------NA----------			
25	B	Endrin Ketone			----------NA----------			
26	SA	Decachlorobiphenyl	0.741	0.798	-7.7	107	0.00	14.56-14.62
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	91	0.00	4.67- 5.67
28	L8	Toxaphene{A}	0.008	0.012	-50.0#	131	0.00	9.96-10.16
29	L8	Toxaphene{B}	0.005	0.007	-40.0#	130	0.00	10.14-10.34
30	L8	Toxaphene{C}	0.025	0.038	-52.0#	141	0.00	10.98-11.18
31	L8	Toxaphene{D}	0.022	0.025	-13.6	105	0.00	11.43-11.63
32	L8	Toxaphene{E}	0.024	0.024	0.0	90	0.00	12.31-12.51
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.67- 5.67
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134190.d 5pstlvi3451.M Sun Dec 17 21:44:09 2023

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134203.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\DATA\G5...1\5G134203.d\ECD1A.ch Vial: 3
Signal #2 : C:\msdchem\1\DATA\G5G3451\5G134203.d\ECD2B.ch
Acq On : 16 Dec 2023 11:13 am Operator: tilakp
Sample : icv3451-2.5(pest mix) Inst : GC5G
Misc : op49299,G5G3451,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\METHODS\5pstlvi3451a.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 10:22:28 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.53- 5.53
2	SAB	Tetrachloro-m-xylene	0.438	0.491	-12.1	117	0.00	5.69- 5.75
3		hexachlorobenzene	1.314	1.193	9.2	93	0.00	6.07- 6.13
4	A	alpha-BHC	1.531	1.382	9.7	93	0.00	6.24- 6.30
5	MA	gamma-BHC	1.384	1.253	9.5	95	0.00	6.57- 6.63
6	MA	Heptachlor	1.323	1.174	11.3	93	0.00	7.10- 7.16
7	B	beta-BHC	0.484	0.434	10.3	97	0.00	6.65- 6.71
8	B	delta-BHC	1.510	1.329	12.0	97	0.00	6.86- 6.92
9	MB	Aldrin	1.279	1.151	10.0	96	0.00	7.47- 7.53
10		alachlor	0.135	0.126	6.7	86	0.00	7.63- 7.69
11	B	Heptachlor Epoxide	1.176	1.043	11.3	95	0.00	8.25- 8.31
12	B	gamma-Chlordane	1.154	1.029	10.8	95	0.00	8.41- 8.47
13	B	alpha-Chlordane	1.152	1.003	12.9	95	0.00	8.60- 8.66
14	A	Endosulfan I	1.096	0.975	11.0	94	0.00	8.79- 8.85
15	B	4,4'-DDE	1.140	1.014	11.1	93	0.00	8.70- 8.76
16	MA	Dieldrin	1.278	1.139	10.9	95	0.00	9.13- 9.19
17	MA	Endrin	1.135	1.021	10.0	95	0.00	9.48- 9.54
18	A	4,4'-DDD	0.921	0.831	9.8	95	0.00	9.58- 9.64
19	B	Endosulfan II	1.059	0.933	11.9	94	0.00	9.82- 9.88
20	MA	4,4'-DDT	0.955	0.828	13.3	90	0.00	10.01-10.07
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	2.500	2.595	-3.8	100	0.00	10.47-10.53
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.981	0.872	11.1	97	0.00	11.18-11.24
23	A	Methoxychlor	0.477	0.417	12.6	96	0.00	10.80-10.86
24		Mirex	0.670	0.633	5.5	99	0.00	11.00-11.06
25	B	Endrin Ketone	1.096	0.985	10.1	97	0.00	11.65-11.71
26	SA	Decachlorobiphenyl	0.724	0.810	-11.9	114	0.00	13.34-13.40
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.00	4.53- 5.53
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	98	0.00	4.53- 5.53
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

8.9.10

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3451-ICV3451
Lab FileID: 5G134203.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
2	SAB	Tetrachloro-m-xylene	0.926	1.018	-9.9	109	0.00	6.02- 6.08
3		hexachlorobenzene	1.553	1.438	7.4	96	0.00	6.55- 6.61
4	A	alpha-BHC	1.751	1.590	9.2	95	0.00	6.71- 6.77
5	MA	gamma-BHC	1.637	1.476	9.8	97	0.00	7.14- 7.20
6	MA	Heptachlor	1.442	1.344	6.8	97	0.00	7.73- 7.79
7	B	beta-BHC	0.644	0.597	7.3	100	0.00	7.23- 7.29
8	B	delta-BHC	1.634	1.466	10.3	98	0.00	7.62- 7.68
9	MB	Aldrin	1.406	1.276	9.2	97	0.00	8.19- 8.25
10		alachlor	0.170	0.171	-0.6	105	0.00	7.99- 8.05
11	B	Heptachlor Epoxide	1.273	1.129	11.3	95	0.00	9.02- 9.08
12	B	gamma-Chlordane	1.330	1.176	11.6	95	0.00	9.30- 9.36
13	B	alpha-Chlordane	1.222	1.107	9.4	98	0.00	9.53- 9.59
14	A	Endosulfan I	1.177	1.047	11.0	96	0.00	9.63- 9.69
15	B	4,4'-DDE	1.256	1.115	11.2	96	0.00	9.78- 9.84
16	MA	Dieldrin	1.238	1.112	10.2	95	0.00	10.06-10.12
17	MA	Endrin	0.735	0.737	-0.3	100	0.00	10.56-10.62
18	A	4,4'-DDD	0.869	0.790	9.1	97	0.00	10.72-10.78
19	B	Endosulfan II	1.067	0.951	10.9	96	0.00	10.91-10.97
20	MA	4,4'-DDT	0.960	0.818	14.8	96	0.00	11.26-11.32
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.438	2.5	101	0.00	11.48-11.54
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.870	9.7	98	0.00	11.96-12.02
23	A	Methoxychlor	0.445	0.388	12.8	101	0.00	12.46-12.52
24		Mirex	0.639	0.665	-4.1	108	0.00	12.83-12.89
25	B	Endrin Ketone	1.014	0.931	8.2	99	0.00	12.89-12.95
26	SA	Decachlorobiphenyl	0.741	0.799	-7.8	113	0.00	14.55-14.61
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	100	0.00	4.67- 5.67
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134186.d 5pstlvi3451a.M Sat Dec 16 14:52:02 2023

8.9.10

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3474-CC3451
Lab FileID: 5G134785.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\an...4\5G134785.d\ECD1A.ch Vial: 2
Signal #2 : C:\msdchem\1\data\anndg\G5G3474\5G134785.d\ECD2B.ch
Acq On : 3 Jan 2024 2:10 pm Operator: mahalial
Sample : cc3451-2.5 Inst : GC5G
Misc : op51424,G5G3474,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...74\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Jan 04 06:28:58 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	85	0.02	4.52- 5.52
2	SAB	Tetrachloro-m-xylene	0.438	0.493	-12.6	103	0.03	5.69- 5.75
3		hexachlorobenzene	1.314	1.458	-11.0	99	0.03	6.07- 6.13
4	A	alpha-BHC	1.531	1.642	-7.3	96	0.03	6.23- 6.29
5	MA	gamma-BHC	1.384	1.466	-5.9	97	0.03	6.56- 6.62
6	MA	Heptachlor	1.323	1.422	-7.5	98	0.03	7.09- 7.15
7	B	beta-BHC	0.484	0.482	0.4	95	0.04	6.66- 6.72
8	B	delta-BHC	1.510	1.554	-2.9	99	0.04	6.86- 6.92
9	MB	Aldrin	1.279	1.453	-13.6	106	0.03	7.45- 7.51
10		alachlor	0.135	0.146	-8.1	87	0.03	7.60- 7.66
11	B	Heptachlor Epoxide	1.176	1.322	-12.4	105	0.03	8.21- 8.27
12	B	gamma-Chlordane	1.154	1.331	-15.3	108	0.03	8.38- 8.44
13	B	alpha-Chlordane	1.152	1.284	-11.5	106	0.03	8.56- 8.62
14	A	Endosulfan I	1.096	1.254	-14.4	105	0.03	8.76- 8.82
15	B	4,4'-DDE	1.140	1.292	-13.3	104	0.03	8.66- 8.72
16	MA	Dieldrin	1.278	1.430	-11.9	104	0.03	9.09- 9.15
17	MA	Endrin	1.135	1.242	-9.4	101	0.03	9.43- 9.49
18	A	4,4'-DDD	0.921	1.034	-12.3	103	0.03	9.53- 9.59
19	B	Endosulfan II	1.059	1.129	-6.6	99	0.02	9.77- 9.83
20	MA	4,4'-DDT	0.955	0.957	-0.2	91	0.02	9.96-10.02
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	2.500	2.780	-11.2	93	0.02	10.41-10.47
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	0.981	1.016	-3.6	99	0.02	11.12-11.18
23	A	Methoxychlor	0.477	0.459	3.8	92	0.02	10.74-10.80
24		Mirex	0.670	0.742	-10.7	101	0.02	10.94-11.00
25	B	Endrin Ketone	1.096	1.102	-0.5	95	0.02	11.57-11.63
26	SA	Decachlorobiphenyl	0.724	0.935	-29.1#	115	0.00	13.28-13.34
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	0#	0.02	4.52- 5.52
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	85	0.02	4.52- 5.52
34		Chlordane {A}	----------NA----------					
35		Chlordane {B}	----------NA----------					

8.9.11

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3474-CC3451
Lab FileID: 5G134785.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	82	0.02	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.926	1.056	-14.0	92	0.03	6.01- 6.07
3		hexachlorobenzene	1.553	1.654	-6.5	90	0.03	6.53- 6.59
4	A	alpha-BHC	1.751	1.809	-3.3	89	0.03	6.68- 6.74
5	MA	gamma-BHC	1.637	1.649	-0.7	89	0.03	7.10- 7.16
6	MA	Heptachlor	1.442	1.435	0.5	85	0.02	7.68- 7.74
7	B	beta-BHC	0.644	0.693	-7.6	95	0.03	7.20- 7.26
8	B	delta-BHC	1.634	1.635	-0.1	89	0.03	7.58- 7.64
9	MB	Aldrin	1.406	1.527	-8.6	94	0.02	8.13- 8.19
10		alachlor	0.170	0.200	-17.6	100	0.02	7.94- 8.00
11	B	Heptachlor Epoxide	1.273	1.332	-4.6	92	0.02	8.95- 9.01
12	B	gamma-Chlordane	1.330	1.310	1.5	87	0.02	9.23- 9.29
13	B	alpha-Chlordane	1.222	1.305	-6.8	94	0.02	9.45- 9.51
14	A	Endosulfan I	1.177	1.094	7.1	82	0.02	9.55- 9.61
15	B	4,4'-DDE	1.256	1.373	-9.3	96	0.02	9.70- 9.76
16	MA	Dieldrin	1.238	1.347	-8.8	94	0.02	9.98-10.04
17	MA	Endrin	0.735	1.124	-52.9#	124	0.02	10.47-10.53
18	A	4,4'-DDD	0.869	1.047	-20.5#	105	0.01	10.64-10.70
19	B	Endosulfan II	1.067	1.042	2.3	86	0.01	10.82-10.88
20	MA	4,4'-DDT	0.960	0.876	8.7	84	0.01	11.17-11.23
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	2.500	2.318	7.3	79	0.01	11.38-11.44
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.948	1.6	87	0.01	11.85-11.91
23	A	Methoxychlor	0.445	0.416	6.5	89	0.00	12.36-12.42
24		Mirex	0.639	0.645	-0.9	86	0.00	12.73-12.79
25	B	Endrin Ketone	1.014	0.977	3.6	85	0.00	12.78-12.84
26	SA	Decachlorobiphenyl	0.741	0.717	3.2	83	0.00	14.48-14.54
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	82	0.02	4.65- 5.65
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	82	0.02	4.65- 5.65
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134627.d 5pstlvi3451.M Thu Jan 04 06:37:24 2024

8.9.11

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3475-CC3451
Lab FileID: 5G134809.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ma...5\5G134809.d\ECD1A.ch Vial: 4
Signal #2 : C:\msdchem\1\data\maryan...G3475\5G134809.d\ECD2B.ch
Acq On : 4 Jan 2024 12:02 am Operator: christp
Sample : cc3451-5 Inst : GC5G
Misc : op51544,G5G3475,5.2,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...75\5pstlvi3451.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Jan 04 19:41:43 2024
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	87	0.00	4.50- 5.50
2	SAB	Tetrachloro-m-xylene	0.438	0.455	-3.9	92	0.00	5.66- 5.72
3		hexachlorobenzene	1.314	1.467	-11.6	102	0.00	6.04- 6.10
4	A	alpha-BHC	1.531	1.756	-14.7	103	0.00	6.20- 6.26
5	MA	gamma-BHC	1.384	1.551	-12.1	103	0.00	6.53- 6.59
6	MA	Heptachlor	1.323	1.515	-14.5	108	0.00	7.06- 7.12
7	B	beta-BHC	0.484	0.543	-12.2	108	0.00	6.63- 6.69
8	B	delta-BHC	1.510	1.621	-7.4	103	0.00	6.83- 6.89
9	MB	Aldrin	1.279	1.464	-14.5	108	0.00	7.42- 7.48
10		alachlor	0.135	0.144	-6.7	107	0.00	7.57- 7.63
11	B	Heptachlor Epoxide	1.176	1.320	-12.2	109	0.00	8.19- 8.25
12	B	gamma-Chlordane	1.154	1.308	-13.3	108	0.00	8.35- 8.41
13	B	alpha-Chlordane	1.152	1.240	-7.6	107	0.00	8.53- 8.59
14	A	Endosulfan I	1.096	1.211	-10.5	109	0.00	8.73- 8.79
15	B	4,4'-DDE	1.140	1.204	-5.6	102	0.00	8.64- 8.70
16	MA	Dieldrin	1.278	1.352	-5.8	104	0.00	9.07- 9.13
17	MA	Endrin	1.135	1.229	-8.3	105	0.00	9.41- 9.47
18	A	4,4'-DDD	0.921	0.946	-2.7	99	0.00	9.51- 9.57
19	B	Endosulfan II	1.059	1.044	1.4	97	0.00	9.74- 9.80
20	MA	4,4'-DDT	0.955	1.000	-4.7	99	0.00	9.94-10.00
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	5.000	5.538	-10.8	97	0.00	10.39-10.45
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.981	0.940	4.2	97	0.00	11.10-11.16
23	A	Methoxychlor	0.477	0.449	5.9	95	0.00	10.72-10.78
24		Mirex	0.670	0.688	-2.7	98	0.00	10.92-10.98
25	B	Endrin Ketone	1.096	1.021	6.8	92	0.00	11.56-11.62
26	SA	Decachlorobiphenyl	0.724	0.798	-10.2	106	0.00	13.27-13.33
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	83	0.00	4.50- 5.50
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	65	0.00	4.50- 5.50
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				

8.9.12

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G5G3475-CC3451
Lab FileID: 5G134809.D

36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	89	0.00	4.63- 5.63
2	SAB	Tetrachloro-m-xylene	0.926	1.012	-9.3	101	0.00	5.98- 6.04
3		hexachlorobenzene	1.553	1.597	-2.8	95	0.00	6.50- 6.56
4	A	alpha-BHC	1.751	1.777	-1.5	96	0.00	6.64- 6.70
5	MA	gamma-BHC	1.637	1.644	-0.4	96	0.00	7.07- 7.13
6	MA	Heptachlor	1.442	1.440	0.1	95	0.00	7.66- 7.72
7	B	beta-BHC	0.644	0.649	-0.8	96	0.00	7.17- 7.23
8	B	delta-BHC	1.634	1.557	4.7	91	0.00	7.56- 7.62
9	MB	Aldrin	1.406	1.463	-4.1	99	0.00	8.11- 8.17
10		alachlor	0.170	0.170	0.0	97	0.00	7.92- 7.98
11	B	Heptachlor Epoxide	1.273	1.251	1.7	95	0.00	8.93- 8.99
12	B	gamma-Chlordane	1.330	1.226	7.8	89	0.00	9.21- 9.27
13	B	alpha-Chlordane	1.222	1.186	2.9	92	0.00	9.44- 9.50
14	A	Endosulfan I	1.177	0.978	16.9	79	0.00	9.53- 9.59
15	B	4,4'-DDE	1.256	1.223	2.6	94	0.00	9.69- 9.75
16	MA	Dieldrin	1.238	1.241	-0.2	96	0.00	9.96-10.02
17	MA	Endrin	0.735	1.079	-46.8#	124	0.00	10.46-10.52
18	A	4,4'-DDD	0.869	0.951	-9.4	105	0.00	10.63-10.69
19	B	Endosulfan II	1.067	0.972	8.9	88	0.00	10.80-10.86
20	MA	4,4'-DDT	0.960	0.937	2.4	98	0.00	11.16-11.22
			True	Calc.	% Drift			
21	B	Endrin Aldehyde	5.000	4.715	5.7	85	0.00	11.37-11.43
			AvgRF	CCRF	% Dev			
22	B	Endosulfan Sulfate	0.963	0.870	9.7	87	0.00	11.85-11.91
23	A	Methoxychlor	0.445	0.425	4.5	96	0.00	12.35-12.41
24		Mirex	0.639	0.598	6.4	87	0.00	12.72-12.78
25	B	Endrin Ketone	1.014	0.899	11.3	85	0.00	12.78-12.84
26	SA	Decachlorobiphenyl	0.741	0.601	18.9	76	0.00	14.48-14.54
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	85	0.00	4.63- 5.63
28	L8	Toxaphene{A}			----------NA----------			
29	L8	Toxaphene{B}			----------NA----------			
30	L8	Toxaphene{C}			----------NA----------			
31	L8	Toxaphene{D}			----------NA----------			
32	L8	Toxaphene{E}			----------NA----------			
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	65	0.00	4.63- 5.63
34		Chlordane {A}			----------NA----------			
35		Chlordane {B}			----------NA----------			
36		Chlordane {C}			----------NA----------			
37		Chlordane {D}			----------NA----------			
38		Chlordane {E}			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5G134809.d 5pstlvi3451.M Thu Jan 04 19:44:00 2024

8.9.12

8

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

Response Factor Report GCRL

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Initial Calibration

Calibration Files
50 =RL5867.D 250 =RL5869.D 500 =RL5870.D 1000=RL5871.D
2000=RL5872.D 3000=RL5873.D 5000=RL5874.D 10k =RL5875.D
20k =RL5876.D 100 =RL5868.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	2.001	1.984	1.964	1.993	1.787	1.793				2.061	1.941 E8	5.52
2) AR1221-A				1.346							1.346 E6	0.00
3) AR1221-B				1.845							1.845 E6	0.00
4) AR1221-C				4.546							4.546 E6	0.00
5) AR1221-D				1.121							1.121 E6	0.00
6) AR1221-E				1.230							1.230 E6	0.00
7) AR1232-A				3.586							3.586 E6	0.00
8) AR1232-B				2.697							2.697 E6	0.00
9) AR1232-C				5.827							5.827 E6	0.00
10) AR1232-D				2.314							2.314 E6	0.00
11) AR1232-E				2.222							2.222 E6	0.00
12) AR1242-A				4.848							4.848 E5	0.00
13) AR1242-B				1.063							1.063 E7	0.00
14) AR1242-C				4.225							4.225 E6	0.00
15) AR1242-D				4.429							4.429 E6	0.00
16) AR1242-E				3.559							3.559 E6	0.00
17) AR1248-A				2.310							2.310 E6	0.00
18) AR1248-B				6.355							6.355 E6	0.00
19) AR1248-C				9.768							9.768 E6	0.00
20) AR1248-D				6.731							6.731 E6	0.00
21) AR1248-E				3.325							3.325 E6	0.00
22) AR1248-F				1.155							1.155 E7	0.00
23) AR1248-G												

8.9.13

8

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

		6.292								6.292	E6	0.00
24)	AR1254-A											
		6.079								6.079	E6	0.00
25)	AR1254-B											
		1.077								1.077	E7	0.00
26)	AR1254-C											
		5.627								5.627	E6	0.00
27)	AR1254-D											
		1.073								1.073	E7	0.00
28)	AR1254-E											
		7.219								7.219	E6	0.00
29)	AR1254-F											
		6.711								6.711	E6	0.00
30)	AR1254-G											
		9.462								9.462	E6	0.00
31)	AR1262-A											
		7.651								7.651	E6	0.00
32)	AR1262-B											
		9.405								9.405	E6	0.00
33)	AR1262-C											
		8.310								8.310	E6	0.00
34)	AR1262-D											
		1.760								1.760	E7	0.00
35)	AR1262-E											
		1.869								1.869	E7	0.00
36)	AR1268-A											
		1.824								1.824	E7	0.00
37)	AR1268-B											
		1.877								1.877	E7	0.00
38)	AR1268-C											
		1.479								1.479	E7	0.00
39)	AR1268-D											
		6.009								6.009	E6	0.00
40)	AR1268-E											
		4.280								4.280	E7	0.00
41)	AR1016-A											
		3.692	3.442	3.242	3.204	2.849	2.836	2.797	2.774	4.128	3.218 E6	14.57
42)	AR1016-B											
		7.113	6.756	6.349	6.303	5.599	5.567	5.497	5.490	7.919	6.288 E6	13.57
43)	AR1016-C											
		1.529	1.482	1.426	1.418	1.267	1.264	1.257	1.275	1.646	1.396 E7	10.05
44)	AR1016-D											
		6.227	5.915	5.657	5.660	5.027	5.029	4.948	4.930	6.882	5.586 E6	12.12
45)	AR1016-E											
		6.517	6.203	5.884	5.849	5.239	5.263	5.145	5.078	7.196	5.819 E6	12.43
46)	AR1260-A											
		1.254	1.207	1.173	1.163	1.035	1.031	1.014	1.015	1.346	1.138 E7	10.58
47)	AR1260-B											
		7.752	7.494	7.301	7.329	6.538	6.523	6.406	6.383	8.236	7.107 E6	9.45
48)	AR1260-C											
		7.725	7.561	7.393	7.495	6.706	6.726	6.653	6.662	7.978	7.211 E6	7.26
49)	AR1260-D											
		1.787	1.778	1.745	1.774	1.592	1.619	1.654	1.697	1.848	1.721 E7	4.99
50)	AR1260-E											
		1.703	1.686	1.684	1.717	1.547	1.563	1.564	1.581	1.775	1.647 E7	5.06
51)	Decachlorobiphenyl											
		1.160	1.140	1.126	1.162	1.050	1.067			1.235	1.134 E8	5.51

Signal #2

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

1)	Tetrachloro-m-xylene										
		1.439	1.443	1.431	1.485	1.376	1.390	1.476	1.434 E8	2.81	
2)	AR1221-A										
				1.065					1.065 E6	0.00	
3)	AR1221-B										
				1.454					1.454 E6	0.00	
4)	AR1221-C										
				3.522					3.522 E6	0.00	
5)	AR1221-D										
				1.284					1.284 E6	0.00	
6)	AR1221-E										
				1.024					1.024 E6	0.00	
7)	AR1232-A										
				2.718					2.718 E6	0.00	
8)	AR1232-B										
				2.293					2.293 E6	0.00	
9)	AR1232-C										
				4.558					4.558 E6	0.00	
10)	AR1232-D										
				1.778					1.778 E6	0.00	
11)	AR1232-E										
				1.284					1.284 E6	0.00	
12)	AR1242-A										
				3.909					3.909 E6	0.00	
13)	AR1242-B										
				8.386					8.386 E6	0.00	
14)	AR1242-C										
				3.218					3.218 E6	0.00	
15)	AR1242-D										
				2.599					2.599 E6	0.00	
16)	AR1242-E										
				3.127					3.127 E6	0.00	
17)	AR1248-A										
				1.718					1.718 E6	0.00	
18)	AR1248-B										
				5.055					5.055 E6	0.00	
19)	AR1248-C										
				3.148					3.148 E6	0.00	
20)	AR1248-D										
				4.106					4.106 E6	0.00	
21)	AR1248-E										
				3.698					3.698 E6	0.00	
22)	AR1248-F										
				5.490					5.490 E6	0.00	
23)	AR1248-G										
				5.179					5.179 E6	0.00	
24)	AR1254-A										
				5.042					5.042 E6	0.00	
25)	AR1254-B										
				5.509					5.509 E6	0.00	
26)	AR1254-C										
				4.270					4.270 E6	0.00	
27)	AR1254-D										
				9.179					9.179 E6	0.00	
28)	AR1254-E										
				6.045					6.045 E6	0.00	
29)	AR1254-F										
				6.538					6.538 E6	0.00	
30)	AR1254-G										
				6.466					6.466 E6	0.00	

8.9.13

8

Initial Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

```
31)  AR1262-A
                          5.324                                    5.324 E6    0.00
32)  AR1262-B
                          7.247                                    7.247 E6    0.00
33)  AR1262-C
                          6.900                                    6.900 E6    0.00
34)  AR1262-D
                          1.381                                    1.381 E7    0.00
35)  AR1262-E
                          1.501                                    1.501 E7    0.00
36)  AR1268-A
                          1.567                                    1.567 E7    0.00
37)  AR1268-B
                          1.519                                    1.519 E7    0.00
38)  AR1268-C
                          1.232                                    1.232 E7    0.00
39)  AR1268-D
                          5.056                                    5.056 E6    0.00
40)  AR1268-E
                          3.949                                    3.949 E7    0.00
41)  AR1016-A
               2.825 2.664 2.516 2.504 2.248 2.257 2.244 2.224 3.143  2.514 E6   12.65
42)  AR1016-B
               5.743 5.467 5.198 5.217 4.662 4.681 4.627 4.586 6.431  5.179 E6   12.10
43)  AR1016-C
               1.349 1.255 1.157 1.165 1.056 1.067 1.056 1.056 1.517  1.186 E7   13.57
44)  AR1016-D
               4.655 4.556 4.363 4.411 3.950 3.979 3.941 3.916 5.156  4.325 E6    9.80
45)  AR1016-E
               3.782 3.614 3.451 3.528 3.171 3.204 3.161 3.122 4.162  3.466 E6   10.09
46)  AR1260-A
               7.688 7.588 7.418 7.503 6.728 6.740 6.661 6.572 8.222  7.236 E6    8.00
47)  AR1260-B
               5.720 5.593 5.427 5.532 5.026 5.052 5.023 5.018 6.371  5.418 E6    8.37
48)  AR1260-C
               6.316 6.376 6.362 6.554 5.908 5.993 6.020 6.022 6.646  6.244 E6    4.27
49)  AR1260-D
               1.362 1.373 1.368 1.401 1.271 1.296 1.319 1.338 1.377  1.345 E7    3.15
50)  AR1260-E
               1.271 1.285 1.303 1.359 1.239 1.270 1.291 1.311 1.320  1.294 E7    2.66
51)  Decachlorobiphenyl
               9.435 9.311 9.315 9.700 8.767 8.982            9.997  9.358 E7    4.42
----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          pcblvigcrl144.m        Mon Aug 21 15:12:41 2023
```

8.9.13

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5877.D\ECD1A.ch Vial: 17
Acq On : 13 Aug 2023 01:46 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5877.D\ECD2B.ch Vial: 17
Acq On : 13 Aug 2023 01:46 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	183.170 E6	5.6	93	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A	3.218	3.092 E6	3.9	95	0.00	4.14-	4.20
42		AR1016-B	6.288	6.532 E6	-3.9	103	0.00	4.43-	4.49
43		AR1016-C	13.960	14.624 E6	-4.8	103	0.00	4.83-	4.89
44		AR1016-D	5.586	5.801 E6	-3.8	103	0.00	4.95-	5.01
45		AR1016-E	5.819	5.802 E6	0.3	99	0.00	5.33-	5.40
46		AR1260-A	11.376	12.342 E6	-8.5	105	0.00	7.33-	7.39
47		AR1260-B	7.107	6.202 E6	12.7	85	0.00	7.83-	7.89
48		AR1260-C	7.211	6.522 E6	9.6	88	0.00	8.11-	8.18
49		AR1260-D	17.214	15.788 E6	8.3	90	0.00	8.46-	8.52
50		AR1260-E	16.466	14.267 E6	13.4	85	0.00	8.74-	8.80
51	S	Decachlorobiphenyl	113.423	107.637 E6	5.1	96	0.00	9.73-	9.80
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	138.255 E6	3.6	97	0.00	4.28-	4.34
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A	2.514	2.469 E6	1.8	98	0.00	4.74-	4.80
42		AR1016-B	5.179	5.418 E6	-4.6	104	0.00	5.14-	5.20

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

43		AR1016-C	11.864	12.286	E6	-3.6	106	0.00	5.65- 5.71
44		AR1016-D	4.325	4.544	E6	-5.1	104	0.00	5.83- 5.89
45		AR1016-E	3.466	3.500	E6	-1.0	101	0.00	6.50- 6.56
46		AR1260-A	7.236	7.733	E6	-6.9	104	0.00	8.46- 8.52
47		AR1260-B	5.418	4.711	E6	13.0	87	0.00	8.92- 8.98
48		AR1260-C	6.244	5.824	E6	6.7	92	0.00	9.20- 9.26
49		AR1260-D	13.451	12.245	E6	9.0	89	0.00	9.41- 9.47
50		AR1260-E	12.944	11.178	E6	13.6	86	0.00	9.74- 9.80
51	S	Decachlorobiphenyl	93.583	89.030	E6	4.9	96	0.00	10.70-10.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 12:49:40 2023

8.9.14

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5878.D\ECD1A.ch Vial: 18
Acq On : 13 Aug 2023 02:02 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5878.D\ECD2B.ch Vial: 18
Acq On : 13 Aug 2023 02:02 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	193.051 E6	0.5	98	0.00	3.85- 3.91
2		AR1221-A	1.346	1.431 E6	-6.3	106	0.00	3.34- 3.54
3		AR1221-B	1.845	1.828 E6	0.9	99	0.00	3.91- 4.11
4		AR1221-C	4.546	4.482 E6	1.4	99	0.00	4.07- 4.27
5		AR1221-D	1.121	0.991 E6	11.6	88	0.00	4.36- 4.56
6		AR1221-E	1.230	1.021 E6	17.0	83	0.00	4.76- 4.96
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A	6.079	6.565 E6	-8.0	108	0.00	5.69- 5.89
25		AR1254-B	10.775	11.628 E6	-7.9	108	0.00	6.01- 6.21
26		AR1254-C	5.627	6.121 E6	-8.8	109	0.00	6.39- 6.59
27		AR1254-D	10.729	11.785 E6	-9.8	110	0.00	6.58- 6.78
28		AR1254-E	7.219	7.972 E6	-10.4	110	0.00	7.01- 7.21
29		AR1254-F	6.711	7.427 E6	-10.7	111	0.00	7.26- 7.46
30		AR1254-G	9.462	10.668 E6	-12.7	113	0.00	7.63- 7.83
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				

8.9.15

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	113.423	106.189 E6	6.4	94	0.00	9.73- 9.80	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	138.102 E6	3.7	97	0.00	4.28- 4.34	
2		AR1221-A	1.065	1.153 E6	-8.3	108	0.00	3.86- 3.92	
3		AR1221-B	1.454	1.478 E6	-1.7	102	0.00	4.47- 4.67	
4		AR1221-C	3.522	3.573 E6	-1.4	101	0.00	4.67- 4.87	
5		AR1221-D	1.284	1.251 E6	2.6	97	0.00	5.13- 5.33	
6		AR1221-E	1.024	0.884 E6	13.7	86	0.00	5.59- 5.79	
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A	5.042	5.548 E6	-10.0	110	0.00	7.11- 7.31	
25		AR1254-B	5.509	6.030 E6	-9.5	109	0.00	7.36- 7.56	
26		AR1254-C	4.270	4.685 E6	-9.7	110	0.00	7.82- 8.02	
27		AR1254-D	9.179	10.089 E6	-9.9	110	0.00	7.96- 8.16	
28		AR1254-E	6.045	6.661 E6	-10.2	110	0.00	8.21- 8.41	
29		AR1254-F	6.538	7.267 E6	-11.2	111	0.00	8.59- 8.79	
30		AR1254-G	6.466	7.153 E6	-10.6	111	0.00	8.77- 8.97	
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				

8.9.15

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	87.976 E6	6.0	94	0.00	10.70-10.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:39 2023

8.9.15

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5879.D\ECD1A.ch Vial: 19
Acq On : 13 Aug 2023 02:18 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5879.D\ECD2B.ch Vial: 19
Acq On : 13 Aug 2023 02:18 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	181.001 E6	6.7	92	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	3.586	3.734 E6	-4.1	104	0.00	4.07- 4.27
8		AR1232-B	2.697	2.866 E6	-6.3	106	0.00	4.36- 4.56
9		AR1232-C	5.827	6.208 E6	-6.5	107	0.00	4.76- 4.96
10		AR1232-D	2.314	2.446 E6	-5.7	106	0.00	4.87- 5.07
11		AR1232-E	2.222	2.355 E6	-6.0	106	0.00	5.27- 5.47
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	7.651	8.189 E6	-7.0	107	0.00	7.26- 7.46
32		AR1262-B	9.405	10.083 E6	-7.2	107	0.00	7.76- 7.96
33		AR1262-C	8.310	9.097 E6	-9.5	109	0.00	8.05- 8.25
34		AR1262-D	17.596	19.570 E6	-11.2	111	0.00	8.39- 8.59
35		AR1262-E	18.690	20.738 E6	-11.0	111	0.00	8.71- 8.91
36		AR1268-A		----------NA----------				

8.9.16
8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	113.423	102.944 E6	9.2	91	0.00	9.73- 9.80	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	129.535 E6	9.7	91	0.00	4.28- 4.34	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A	2.718	2.944 E6	-8.3	108	0.00	4.67- 4.87	
8		AR1232-B	2.293	2.498 E6	-8.9	109	0.00	5.07- 5.27	
9		AR1232-C	4.558	4.894 E6	-7.4	107	0.00	5.59- 5.79	
10		AR1232-D	1.778	1.958 E6	-10.1	110	0.00	5.76- 5.96	
11		AR1232-E	1.284	1.412 E6	-10.0	110	0.00	6.43- 6.63	
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	5.324	5.776 E6	-8.5	109	0.00	8.39- 8.59	
32		AR1262-B	7.247	7.685 E6	-6.0	106	0.00	8.85- 9.05	
33		AR1262-C	6.900	7.482 E6	-8.4	108	0.00	9.13- 9.33	
34		AR1262-D	13.809	15.050 E6	-9.0	109	0.00	9.34- 9.54	
35		AR1262-E	15.006	16.408 E6	-9.3	109	0.00	9.65- 9.85	
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				

8.9.16

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	85.843 E6	8.3	92	0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:41 2023

8.9.16

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5880.D\ECD1A.ch Vial: 20
Acq On : 13 Aug 2023 02:35 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5880.D\ECD2B.ch Vial: 20
Acq On : 13 Aug 2023 02:35 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	169.258 E6	12.8	86	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	484.798	540.798 E3	-11.6	112	0.00	4.36- 4.56
13		AR1242-B	10.631	11.830 E6	-11.3	111	0.00	4.76- 4.96
14		AR1242-C	4.225	4.665 E6	-10.4	110	0.00	4.88- 5.08
15		AR1242-D	4.429	4.773 E6	-7.8	108	0.00	5.27- 5.47
16		AR1242-E	3.559	3.693 E6	-3.8	104	0.00	5.77- 5.97
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A	18.244	19.287 E6	-5.7	106	0.00	8.71- 8.91

8.9.17

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

37		AR1268-B	18.772	18.897	E6	-0.7	101	0.00	8.75- 8.95
38		AR1268-C	14.794	15.436	E6	-4.3	104	0.00	8.93- 9.13
39		AR1268-D	6.009	6.387	E6	-6.3	106	0.00	9.25- 9.45
40		AR1268-E	42.800	47.053	E6	-9.9	110	0.00	9.50- 9.70
41		AR1016-A	----------NA----------						
42		AR1016-B	----------NA----------						
43		AR1016-C	----------NA----------						
44		AR1016-D	----------NA----------						
45		AR1016-E	----------NA----------						
46		AR1260-A	----------NA----------						
47		AR1260-B	----------NA----------						
48		AR1260-C	----------NA----------						
49		AR1260-D	----------NA----------						
50		AR1260-E	----------NA----------						
51	S	Decachlorobiphenyl	113.423	329.534	E6	-190.5#	293#	0.00	9.73- 9.80
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	127.150	E6	11.4	89	0.00	4.28- 4.34
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	3.909	4.515	E6	-15.5	116	0.00	5.07- 5.27
13		AR1242-B	8.386	9.618	E6	-14.7	115	0.00	5.58- 5.78
14		AR1242-C	3.218	3.715	E6	-15.4	115	0.00	5.76- 5.96
15		AR1242-D	2.599	2.933	E6	-12.9	113	0.00	6.43- 6.63
16		AR1242-E	3.127	3.415	E6	-9.2	109	0.00	7.11- 7.31
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	15.665	16.132	E6	-3.0	103	0.00	9.65- 9.85
37		AR1268-B	15.193	15.447	E6	-1.7	102	0.00	9.69- 9.89
38		AR1268-C	12.323	12.775	E6	-3.7	104	0.01	9.91-10.11
39		AR1268-D	5.056	5.213	E6	-3.1	103	0.01	10.12-10.32
40		AR1268-E	39.492	40.921	E6	-3.6	104	0.02	10.39-10.59
41		AR1016-A	----------NA----------						
42		AR1016-B	----------NA----------						

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

43		AR1016-C			----------NA----------		
44		AR1016-D			----------NA----------		
45		AR1016-E			----------NA----------		
46		AR1260-A			----------NA----------		
47		AR1260-B			----------NA----------		
48		AR1260-C			----------NA----------		
49		AR1260-D			----------NA----------		
50		AR1260-E			----------NA----------		
51	S	Decachlorobiphenyl	93.583	276.186 E6	-195.1#	296# 0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:43 2023

8.9.17

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5881.D\ECD1A.ch Vial: 21
Acq On : 13 Aug 2023 02:51 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5881.D\ECD2B.ch Vial: 21
Acq On : 13 Aug 2023 02:51 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	169.696 E6	12.6	86	0.00	3.85- 3.91
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	2.310	2.493 E6	-7.9	108	0.00	4.36- 4.56
18		AR1248-B	6.355	6.968 E6	-9.6	110	0.00	4.76- 4.96
19		AR1248-C	9.768	10.668 E6	-9.2	109	0.00	5.04- 5.24
20		AR1248-D	6.731	7.396 E6	-9.9	110	0.00	5.27- 5.47
21		AR1248-E	3.325	3.668 E6	-10.3	110	0.00	5.36- 5.56
22		AR1248-F	11.554	12.853 E6	-11.2	111	0.00	5.74- 5.94
23		AR1248-G	6.292	6.888 E6	-9.5	109	0.00	6.02- 6.22
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				

8.9.18
8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

37		AR1268-B			----------NA----------					
38		AR1268-C			----------NA----------					
39		AR1268-D			----------NA----------					
40		AR1268-E			----------NA----------					
41		AR1016-A			----------NA----------					
42		AR1016-B			----------NA----------					
43		AR1016-C			----------NA----------					
44		AR1016-D			----------NA----------					
45		AR1016-E			----------NA----------					
46		AR1260-A			----------NA----------					
47		AR1260-B			----------NA----------					
48		AR1260-C			----------NA----------					
49		AR1260-D			----------NA----------					
50		AR1260-E			----------NA----------					
51	S	Decachlorobiphenyl	113.423	103.351	E6	8.9	92	0.00	9.73-	9.80
*****		Signal #2 *****								
1	S	Tetrachloro-m-xylene	143.434	134.464	E6	6.3	94	0.00	4.28-	4.34
2		AR1221-A			----------NA----------					
3		AR1221-B			----------NA----------					
4		AR1221-C			----------NA----------					
5		AR1221-D			----------NA----------					
6		AR1221-E			----------NA----------					
7		AR1232-A			----------NA----------					
8		AR1232-B			----------NA----------					
9		AR1232-C			----------NA----------					
10		AR1232-D			----------NA----------					
11		AR1232-E			----------NA----------					
12		AR1242-A			----------NA----------					
13		AR1242-B			----------NA----------					
14		AR1242-C			----------NA----------					
15		AR1242-D			----------NA----------					
16		AR1242-E			----------NA----------					
17		AR1248-A	1.718	1.933	E6	-12.5	113	0.00	5.07-	5.27
18		AR1248-B	5.055	5.712	E6	-13.0	113	0.00	5.56-	5.76
19		AR1248-C	3.148	3.582	E6	-13.8	114	0.00	6.01-	6.21
20		AR1248-D	4.106	4.691	E6	-14.2	114	0.00	6.43-	6.63
21		AR1248-E	3.698	4.248	E6	-14.9	115	0.00	6.64-	6.84
22		AR1248-F	5.490	6.288	E6	-14.5	115	0.00	7.11-	7.31
23		AR1248-G	5.179	5.976	E6	-15.4	115	0.00	7.44-	7.64
24		AR1254-A			----------NA----------					
25		AR1254-B			----------NA----------					
26		AR1254-C			----------NA----------					
27		AR1254-D			----------NA----------					
28		AR1254-E			----------NA----------					
29		AR1254-F			----------NA----------					
30		AR1254-G			----------NA----------					
31		AR1262-A			----------NA----------					
32		AR1262-B			----------NA----------					
33		AR1262-C			----------NA----------					
34		AR1262-D			----------NA----------					
35		AR1262-E			----------NA----------					
36		AR1268-A			----------NA----------					
37		AR1268-B			----------NA----------					
38		AR1268-C			----------NA----------					
39		AR1268-D			----------NA----------					
40		AR1268-E			----------NA----------					
41		AR1016-A			----------NA----------					
42		AR1016-B			----------NA----------					

8.9.18

8

Initial Calibration Verification

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	86.379 E6	7.7	93	0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:45 2023

8.9.18

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL243-CC144
Lab FileID: RL10814.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\la...43\RL10814.D\ECD1A.ch Vial: 148
Signal #2 : C:\msdchem\1\data\laylanie\grl243\RL10814.D\ECD2B.ch
Acq On : 20 Dec 2023 11:46 am Operator: mahalial
Sample : cc144-50 Inst : GCRL
Misc : op51113,grl243,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Thu Dec 21 04:40:25 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	152.039 E6	21.7#	77	0.00	3.88- 3.94
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.218	2.807 E6	12.8	82	0.00	4.18- 4.24

8.9.19

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL243-CC144
Lab FileID: RL10814.D

42		AR1016-B	6.288	5.255	E6	16.4	78	0.00	4.47- 4.53
43		AR1016-C	13.960	10.972	E6	21.4#	74	0.00	4.88- 4.94
44		AR1016-D	5.586	4.252	E6	23.9#	72	0.00	5.00- 5.06
45		AR1016-E	5.819	4.136	E6	28.9#	67	0.00	5.38- 5.45
46		AR1260-A	11.376	10.756	E6	5.5	89	0.00	7.39- 7.45
47		AR1260-B	7.107	5.635	E6	20.7#	75	0.00	7.88- 7.94
48		AR1260-C	7.211	4.973	E6	31.0#	66	0.00	8.15- 8.22
49		AR1260-D	17.214	15.090	E6	12.3	85	0.00	8.50- 8.56
50		AR1260-E	16.466	13.885	E6	15.7	82	0.00	8.79- 8.85
51	S	Decachlorobiphenyl	113.423	114.903	E6	-1.3	101	0.00	9.77- 9.84
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	129.230	E6	9.9	90	0.00	4.29- 4.35
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	2.514	2.475	E6	1.6	93	0.00	4.74- 4.80
42		AR1016-B	5.179	4.771	E6	7.9	87	0.00	5.13- 5.19
43		AR1016-C	11.864	9.910	E6	16.5	79	0.00	5.66- 5.72
44		AR1016-D	4.325	3.988	E6	7.8	88	0.00	5.83- 5.89
45		AR1016-E	3.466	2.950	E6	14.9	82	0.00	6.50- 6.56
46		AR1260-A	7.236	7.175	E6	0.8	95	0.00	8.46- 8.52
47		AR1260-B	5.418	4.989	E6	7.9	89	0.00	8.92- 8.98

8.9.19

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL243-CC144
Lab FileID: RL10814.D

48		AR1260-C	6.244	5.493	E6	12.0	86	0.00	9.20- 9.26
49		AR1260-D	13.451	11.841	E6	12.0	86	0.00	9.41- 9.47
50		AR1260-E	12.944	11.654	E6	10.0	91	0.00	9.75- 9.81
51	S	Decachlorobiphenyl	93.583	106.042	E6	-13.3	114	0.03	10.71-10.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL9583.D pcblvigcrl144.m Thu Dec 21 05:56:56 2023

8.9.19

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10825.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\an...44\RL10825.D\ECD1A.ch Vial: 7
Signal #2 : C:\msdchem\1\data\anndg\grl244\RL10825.D\ECD2B.ch
Acq On    : 20 Dec 2023  04:57 pm                    Operator: mahalial
Sample    : cc144-100                                Inst    : GCRL
Misc      : op51270,grl244,5.0,,,10,1                Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\dat...\pcblvigcrl144.m (ChemStation Integrator)
Title        :
Last Update  : Thu Dec 21 07:12:13 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.10min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	150.788 E6	22.3#	77	0.00	3.88- 3.94
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.218	2.625 E6	18.4	81	0.00	4.18- 4.24

8.9.20

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10825.D

42		AR1016-B	6.288	5.086	E6	19.1	80	0.00	4.46- 4.52
43		AR1016-C	13.960	11.067	E6	20.7#	78	0.00	4.87- 4.93
44		AR1016-D	5.586	4.259	E6	23.8#	75	0.00	4.99- 5.05
45		AR1016-E	5.819	4.208	E6	27.7#	72	0.00	5.37- 5.44
46		AR1260-A	11.376	6.459	E6	43.2#	55	0.00	7.38- 7.44
47		AR1260-B	7.107	5.414	E6	23.8#	74	0.00	7.87- 7.93
48		AR1260-C	7.211	5.172	E6	28.3#	70	0.00	8.15- 8.22
49		AR1260-D	17.214	14.571	E6	15.4	84	0.00	8.50- 8.56
50		AR1260-E	16.466	13.094	E6	20.5#	78	0.00	8.79- 8.85
51	S	Decachlorobiphenyl	113.423	109.616	E6	3.4	97	0.00	9.77- 9.84
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	124.584	E6	13.1	87	0.00	4.29- 4.35
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	2.514	2.257	E6	10.2	90	0.00	4.74- 4.80
42		AR1016-B	5.179	4.443	E6	14.2	85	0.00	5.13- 5.19
43		AR1016-C	11.864	9.801	E6	17.4	85	0.00	5.66- 5.72
44		AR1016-D	4.325	4.294	E6	0.7	98	0.00	5.83- 5.89
45		AR1016-E	3.466	2.810	E6	18.9	81	0.00	6.49- 6.55
46		AR1260-A	7.236	6.215	E6	14.1	84	0.00	8.46- 8.52
47		AR1260-B	5.418	4.685	E6	13.5	86	0.00	8.91- 8.97

8.9.20

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10825.D

48		AR1260-C	6.244	5.021 E6	19.6	79	0.00	9.20- 9.26
49		AR1260-D	13.451	11.368 E6	15.5	83	0.00	9.42- 9.48
50		AR1260-E	12.944	10.740 E6	17.0	82	0.00	9.75- 9.81
51	S	Decachlorobiphenyl	93.583	91.762 E6	1.9	99	0.00	10.72-10.78

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL10381.D pcblvigcrl144.m Thu Dec 21 07:14:53 2023

8.9.20

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10836.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\an...44\RL10836.D\ECD1A.ch Vial: 15
Signal #2 : C:\msdchem\1\data\anndg\grl244\RL10836.D\ECD2B.ch
Acq On : 20 Dec 2023 07:59 pm Operator: mahalial
Sample : cc144-50 Inst : GCRL
Misc : op51270,grl244,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Thu Dec 21 07:12:13 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	149.104 E6	23.2#	75	0.00	3.88- 3.94
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.218	3.037 E6	5.6	88	0.00	4.17- 4.23

8.9.21

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10836.D

42		AR1016-B	6.288	5.201	E6	17.3	77	0.00	4.46- 4.52
43		AR1016-C	13.960	10.959	E6	21.5#	74	0.00	4.87- 4.93
44		AR1016-D	5.586	4.394	E6	21.3#	74	0.00	4.99- 5.05
45		AR1016-E	5.819	4.442	E6	23.7#	72	0.00	5.37- 5.44
46		AR1260-A	11.376	11.014	E6	3.2	91	0.00	7.39- 7.45
47		AR1260-B	7.107	5.288	E6	25.6#	71	0.00	7.88- 7.94
48		AR1260-C	7.211	5.047	E6	30.0#	67	0.00	8.16- 8.23
49		AR1260-D	17.214	14.268	E6	17.1	80	0.00	8.50- 8.56
50		AR1260-E	16.466	13.142	E6	20.2#	78	0.02	8.79- 8.85
51	S	Decachlorobiphenyl	113.423	104.965	E6	7.5	92	0.00	9.77- 9.84
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	126.200	E6	12.0	87	0.00	4.29- 4.35
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	----------NA----------						
13		AR1242-B	----------NA----------						
14		AR1242-C	----------NA----------						
15		AR1242-D	----------NA----------						
16		AR1242-E	----------NA----------						
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	----------NA----------						
37		AR1268-B	----------NA----------						
38		AR1268-C	----------NA----------						
39		AR1268-D	----------NA----------						
40		AR1268-E	----------NA----------						
41		AR1016-A	2.514	2.304	E6	8.4	86	0.00	4.74- 4.80
42		AR1016-B	5.179	4.634	E6	10.5	85	0.00	5.13- 5.19
43		AR1016-C	11.864	10.154	E6	14.4	81	0.00	5.66- 5.72
44		AR1016-D	4.325	4.545	E6	-5.1	100	0.00	5.83- 5.89
45		AR1016-E	3.466	2.839	E6	18.1	79	0.00	6.49- 6.55
46		AR1260-A	7.236	6.818	E6	5.8	90	0.00	8.46- 8.52
47		AR1260-B	5.418	4.711	E6	13.0	84	0.00	8.91- 8.97

8.9.21

8

Continuing Calibration Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL244-CC144
Lab FileID: RL10836.D

48		AR1260-C	6.244	4.955 E6	20.6#	78	0.00	9.20-	9.26
49		AR1260-D	13.451	11.371 E6	15.5	83	0.00	9.41-	9.47
50		AR1260-E	12.944	10.604 E6	18.1	83	0.00	9.74-	9.80
51	S	Decachlorobiphenyl	93.583	93.761 E6	-0.2	101	-0.01	10.71-	10.77

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL9583.D pcblvigcrl144.m Thu Dec 21 07:49:15 2023

8.9.21

8

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G4G4185	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4185-DDT	4G9734320.D	12/13/23 21:47	n/a	DDT/Endrin Breakdown Check
G4G4185-IC4185	4G9734323.D	12/13/23 22:48	n/a	Initial cal 0.2
G4G4185-IC4185	4G9734324.D	12/13/23 23:08	n/a	Initial cal 0.5
G4G4185-ICC4185	4G9734325.D	12/13/23 23:28	n/a	Initial cal 2.5
G4G4185-IC4185	4G9734326.D	12/13/23 23:48	n/a	Initial cal 1
G4G4185-IC4185	4G9734327.D	12/14/23 00:09	n/a	Initial cal 5
G4G4185-IC4185	4G9734328.D	12/14/23 00:29	n/a	Initial cal 7.5
G4G4185-IC4185	4G9734329.D	12/14/23 00:49	n/a	Initial cal 10
G4G4185-IC4185	4G9734330.D	12/14/23 01:09	n/a	Initial cal 50
G4G4185-IC4185	4G9734331.D	12/14/23 01:30	n/a	Initial cal 50
G4G4185-ICV4185	4G9734332.D	12/14/23 01:50	n/a	Initial cal verification 25
G4G4185-ICV4185	4G9734333.D	12/14/23 02:10	n/a	Initial cal verification 50
G4G4185-ICV4185	4G9734334.D	12/14/23 02:31	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G4G4201	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4201-DDT	4G9734656.D	12/20/23 01:47	n/a	DDT/Endrin Breakdown Check
G4G4201-CC4185	4G9734657.D	12/20/23 02:07	n/a	Continuing cal 5
OP51269-MB1	4G9734659.D	12/20/23 02:48	OP51269	Method Blank
OP51269-BS1	4G9734660.D	12/20/23 03:08	OP51269	Blank Spike
JD79009-1	4G9734664.D	12/20/23 04:30	OP51269	SB115(3.5-4)
JD79009-2	4G9734665.D	12/20/23 04:50	OP51269	SB117(9-9.5)
JD79009-3	4G9734666.D	12/20/23 05:10	OP51269	SB116(11-11.5)
ZZZZZZ	4G9734667.D	12/20/23 05:31	OP51193	(unrelated sample)
ZZZZZZ	4G9734668.D	12/20/23 05:51	OP51191	(unrelated sample)
ZZZZZZ	4G9734669.D	12/20/23 06:11	OP51191	(unrelated sample)
ZZZZZZ	4G9734670.D	12/20/23 06:31	OP51191	(unrelated sample)
ZZZZZZ	4G9734671.D	12/20/23 06:52	OP51191	(unrelated sample)
ZZZZZZ	4G9734672.D	12/20/23 07:12	OP51269	(unrelated sample)
ZZZZZZ	4G9734673.D	12/20/23 07:32	OP51269	(unrelated sample)
ZZZZZZ	4G9734674.D	12/20/23 07:53	OP51269	(unrelated sample)
ZZZZZZ	4G9734675.D	12/20/23 08:13	OP51269	(unrelated sample)
ZZZZZZ	4G9734676.D	12/20/23 08:33	OP51269	(unrelated sample)
ZZZZZZ	4G9734677.D	12/20/23 08:54	OP51269	(unrelated sample)

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G4G4202	**Method:** SW846 8081B	**Instrument ID:** GC4G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G4G4202-DDT	4G9734681.D	12/20/23 11:18	n/a	DDT/Endrin Breakdown Check
G4G4202-CC4185	4G9734682.D	12/20/23 11:38	n/a	Continuing cal 2.5
OP51193-MB1	4G9734684.D	12/20/23 13:09	OP51193	Method Blank
OP51193-BS1	4G9734685.D	12/20/23 13:29	OP51193	Blank Spike
ZZZZZZ	4G9734692.D	12/20/23 15:52	OP51193	(unrelated sample)
ZZZZZZ	4G9734693.D	12/20/23 16:12	OP51193	(unrelated sample)
ZZZZZZ	4G9734701.D	12/20/23 18:54	OP51193	(unrelated sample)

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3451	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3451-DDT	5G134180.D	12/15/23 18:06	n/a	DDT/Endrin Breakdown Check
G5G3451-IC3451	5G134183.D	12/15/23 19:08	n/a	Initial cal 0.2
G5G3451-IC3451	5G134184.D	12/15/23 19:29	n/a	Initial cal 0.5
G5G3451-IC3451	5G134185.D	12/15/23 19:50	n/a	Initial cal 1.0
G5G3451-ICC3451	5G134186.D	12/15/23 20:10	n/a	Initial cal 2.5
G5G3451-IC3451	5G134187.D	12/15/23 20:31	n/a	Initial cal 5.0
G5G3451-IC3451	5G134188.D	12/15/23 20:52	n/a	Initial cal 7.5
G5G3451-IC3451	5G134189.D	12/15/23 21:13	n/a	Initial cal 10
G5G3451-IC3451	5G134190.D	12/15/23 21:33	n/a	Initial cal 50
G5G3451-IC3451	5G134191.D	12/15/23 21:54	n/a	Initial cal 50
G5G3451-ICV3451	5G134193.D	12/15/23 22:35	n/a	Initial cal verification 50
G5G3451-ICV3451	5G134194.D	12/15/23 22:56	n/a	Initial cal verification 50
G5G3451-DDT	5G134201.D	12/16/23 10:32	n/a	DDT/Endrin Breakdown Check
G5G3451-ICV3451	5G134203.D	12/16/23 11:13	n/a	Initial cal verification 2.5

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3474	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3474-DDT	5G134783.D	01/03/24 13:15	n/a	DDT/Endrin Breakdown Check
G5G3474-CC3451	5G134785.D	01/03/24 14:10	n/a	Continuing cal 2.5
JD78854-3	5G134787.D	01/03/24 14:56	OP51269	(used for QC only; not part of job JD79009)
OP51269-MS	5G134788.D	01/03/24 15:16	OP51269	Matrix Spike
OP51269-MSD	5G134789.D	01/03/24 15:37	OP51269	Matrix Spike Duplicate
ZZZZZZ	5G134790.D	01/03/24 15:58	OP51424	(unrelated sample)
ZZZZZZ	5G134791.D	01/03/24 16:19	OP51495	(unrelated sample)
ZZZZZZ	5G134792.D	01/03/24 16:40	OP51369	(unrelated sample)

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G5G3475	**Method:** SW846 8081B	**Instrument ID:** GC5G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G5G3475-DDT	5G134808.D	01/03/24 23:41	n/a	DDT/Endrin Breakdown Check
G5G3475-CC3451	5G134809.D	01/04/24 00:02	n/a	Continuing cal 5
OP51518-MB1	5G134811.D	01/04/24 00:44	OP51518	Method Blank
OP51518-BS1	5G134812.D	01/04/24 01:05	OP51518	Blank Spike
OP51518-MS	5G134813.D	01/04/24 01:25	OP51518	Matrix Spike
OP51518-MSD	5G134814.D	01/04/24 01:46	OP51518	Matrix Spike Duplicate
JD79732-1	5G134815.D	01/04/24 02:07	OP51518	(used for QC only; not part of job JD79009)
ZZZZZZ	5G134816.D	01/04/24 02:28	OP51518	(unrelated sample)
ZZZZZZ	5G134817.D	01/04/24 02:48	OP51518	(unrelated sample)
ZZZZZZ	5G134818.D	01/04/24 03:09	OP51518	(unrelated sample)
ZZZZZZ	5G134819.D	01/04/24 03:30	OP51518	(unrelated sample)
ZZZZZZ	5G134820.D	01/04/24 03:51	OP51518	(unrelated sample)
ZZZZZZ	5G134821.D	01/04/24 04:11	OP51518	(unrelated sample)
ZZZZZZ	5G134822.D	01/04/24 04:32	OP51518	(unrelated sample)

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL144	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL144-IC144	RL5863.D	08/13/23 09:55	n/a	Initial cal 100
GRL144-IC144	RL5864.D	08/13/23 10:12	n/a	Initial cal 100
GRL144-IC144	RL5865.D	08/13/23 10:28	n/a	Initial cal 100
GRL144-IC144	RL5866.D	08/13/23 10:45	n/a	Initial cal 100
GRL144-IC144	RL5868.D	08/13/23 11:17	n/a	Initial cal 10
GRL144-IC144	RL5869.D	08/13/23 11:34	n/a	Initial cal 25
GRL144-IC144	RL5870.D	08/13/23 11:50	n/a	Initial cal 50
GRL144-ICC144	RL5871.D	08/13/23 12:07	n/a	Initial cal 100
GRL144-IC144	RL5872.D	08/13/23 12:23	n/a	Initial cal 200
GRL144-IC144	RL5873.D	08/13/23 12:40	n/a	Initial cal 300
GRL144-IC144	RL5874.D	08/13/23 12:56	n/a	Initial cal 500
GRL144-IC144	RL5875.D	08/13/23 13:13	n/a	Initial cal 1000
GRL144-IC144	RL5876.D	08/13/23 13:29	n/a	Initial cal 2000
GRL144-ICV144	RL5877.D	08/13/23 13:46	n/a	Initial cal verification 100
GRL144-ICV144	RL5878.D	08/13/23 14:02	n/a	Initial cal verification 100
GRL144-ICV144	RL5879.D	08/13/23 14:18	n/a	Initial cal verification 100
GRL144-ICV144	RL5880.D	08/13/23 14:35	n/a	Initial cal verification 100
GRL144-ICV144	RL5881.D	08/13/23 14:51	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL243 **Method:** SW846 8082A **Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ZZZZZZ	RL10723.D	12/19/23 10:32	OP51192	(unrelated sample)
ZZZZZZ	RL10724.D	12/19/23 10:49	OP51192	(unrelated sample)
ZZZZZZ	RL10725.D	12/19/23 11:05	OP51192	(unrelated sample)
OP51190-MB1	RL10727.D	12/19/23 11:39	OP51190	Method Blank
OP51190-BS1	RL10728.D	12/19/23 11:55	OP51190	Blank Spike
OP51190-MS	RL10729.D	12/19/23 12:12	OP51190	Matrix Spike
GRL243-CC144	RL10732.D	12/19/23 13:04	n/a	Continuing cal 50
OP51190-MSD	RL10734.D	12/19/23 13:37	OP51190	Matrix Spike Duplicate
ZZZZZZ	RL10735.D	12/19/23 13:54	OP51190	(unrelated sample)
JD78768-6	RL10736.D	12/19/23 14:11	OP51190	(used for QC only; not part of job JD79009)
ZZZZZZ	RL10737.D	12/19/23 14:27	OP51190	(unrelated sample)
ZZZZZZ	RL10738.D	12/19/23 14:44	OP51190	(unrelated sample)
ZZZZZZ	RL10739.D	12/19/23 15:01	OP51190	(unrelated sample)
ZZZZZZ	RL10740.D	12/19/23 15:17	OP51190	(unrelated sample)
GRL243-CC144	RL10743.D	12/19/23 16:07	n/a	Continuing cal 100
ZZZZZZ	RL10745.D	12/19/23 16:40	OP51190	(unrelated sample)
ZZZZZZ	RL10746.D	12/19/23 16:57	OP51190	(unrelated sample)
ZZZZZZ	RL10747.D	12/19/23 17:14	OP51190	(unrelated sample)
ZZZZZZ	RL10748.D	12/19/23 17:30	OP51190	(unrelated sample)
ZZZZZZ	RL10750.D	12/19/23 18:03	OP51190	(unrelated sample)
ZZZZZZ	RL10751.D	12/19/23 18:20	OP51190	(unrelated sample)
GRL243-CC144	RL10754.D	12/19/23 19:10	n/a	Continuing cal 50
ZZZZZZ	RL10756.D	12/19/23 19:43	OP51190	(unrelated sample)
ZZZZZZ	RL10757.D	12/19/23 20:00	OP51190	(unrelated sample)
ZZZZZZ	RL10758.D	12/19/23 20:16	OP51190	(unrelated sample)
ZZZZZZ	RL10759.D	12/19/23 20:33	OP51190	(unrelated sample)
ZZZZZZ	RL10760.D	12/19/23 20:50	OP51190	(unrelated sample)
ZZZZZZ	RL10761.D	12/19/23 21:06	OP51190	(unrelated sample)
GRL243-CC144	RL10764.D	12/19/23 21:56	n/a	Continuing cal 100
OP51114-MB1	RL10766.D	12/19/23 22:29	OP51114	Method Blank
OP51114-BS1	RL10767.D	12/19/23 22:46	OP51114	Blank Spike
OP51114-MS	RL10768.D	12/19/23 23:03	OP51114	Matrix Spike
OP51114-MSD	RL10769.D	12/19/23 23:19	OP51114	Matrix Spike Duplicate
JD73094-1R	RL10770.D	12/19/23 23:36	OP51114	(used for QC only; not part of job JD79009)
ZZZZZZ	RL10771.D	12/19/23 23:53	OP51114	(unrelated sample)
ZZZZZZ	RL10772.D	12/20/23 00:09	OP51114	(unrelated sample)
GRL243-CC144	RL10775.D	12/20/23 00:59	n/a	Continuing cal 50
ZZZZZZ	RL10777.D	12/20/23 01:32	OP51114	(unrelated sample)
ZZZZZZ	RL10778.D	12/20/23 01:49	OP51114	(unrelated sample)
ZZZZZZ	RL10779.D	12/20/23 02:06	OP51114	(unrelated sample)
ZZZZZZ	RL10780.D	12/20/23 02:22	OP51114	(unrelated sample)
ZZZZZZ	RL10781.D	12/20/23 02:39	OP51114	(unrelated sample)
ZZZZZZ	RL10782.D	12/20/23 02:55	OP51114	(unrelated sample)
GRL243-CC144	RL10785.D	12/20/23 03:45	n/a	Continuing cal 100
OP51113-MB1	RL10787.D	12/20/23 04:18	OP51113	Method Blank
OP51113-BS1	RL10788.D	12/20/23 04:35	OP51113	Blank Spike

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL243	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
OP51113-MS	RL10789.D	12/20/23 04:51	OP51113	Matrix Spike
OP51113-MSD	RL10790.D	12/20/23 05:08	OP51113	Matrix Spike Duplicate
JD72837-1R	RL10791.D	12/20/23 05:25	OP51113	(used for QC only; not part of job JD79009)
ZZZZZZ	RL10792.D	12/20/23 05:41	OP51113	(unrelated sample)
ZZZZZZ	RL10793.D	12/20/23 05:58	OP51113	(unrelated sample)
GRL243-CC144	RL10796.D	12/20/23 06:48	n/a	Continuing cal 50
ZZZZZZ	RL10798.D	12/20/23 07:21	OP51113	(unrelated sample)
ZZZZZZ	RL10799.D	12/20/23 07:37	OP51113	(unrelated sample)
ZZZZZZ	RL10800.D	12/20/23 07:54	OP51113	(unrelated sample)
ZZZZZZ	RL10801.D	12/20/23 08:10	OP51113	(unrelated sample)
ZZZZZZ	RL10802.D	12/20/23 08:27	OP51113	(unrelated sample)
ZZZZZZ	RL10803.D	12/20/23 08:44	OP51113	(unrelated sample)
ZZZZZZ	RL10804.D	12/20/23 09:00	OP51113	(unrelated sample)
GRL243-CC144	RL10807.D	12/20/23 09:50	n/a	Continuing cal 100
ZZZZZZ	RL10809.D	12/20/23 10:23	OP51113	(unrelated sample)
ZZZZZZ	RL10810.D	12/20/23 10:40	OP51113	(unrelated sample)
ZZZZZZ	RL10811.D	12/20/23 10:56	OP51113	(unrelated sample)
GRL243-CC144	RL10814.D	12/20/23 11:46	n/a	Continuing cal 50

Run Sequence Report

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL244	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
OP51270-MB1	RL10816.D	12/20/23 14:27	OP51270	Method Blank
OP51270-BS1	RL10817.D	12/20/23 14:44	OP51270	Blank Spike
OP51270-MS	RL10818.D	12/20/23 15:00	OP51270	Matrix Spike
OP51270-MSD	RL10819.D	12/20/23 15:17	OP51270	Matrix Spike Duplicate
JD79002-3	RL10820.D	12/20/23 15:34	OP51270	(used for QC only; not part of job JD79009)
ZZZZZZ	RL10821.D	12/20/23 15:50	OP51270	(unrelated sample)
ZZZZZZ	RL10822.D	12/20/23 16:07	OP51270	(unrelated sample)
GRL244-CC144	RL10825.D	12/20/23 16:57	n/a	Continuing cal 100
JD79009-1	RL10827.D	12/20/23 17:30	OP51270	SB115(3.5-4)
JD79009-2	RL10828.D	12/20/23 17:46	OP51270	SB117(9-9.5)
JD79009-3	RL10829.D	12/20/23 18:03	OP51270	SB116(11-11.5)
ZZZZZZ	RL10830.D	12/20/23 18:20	OP51270	(unrelated sample)
ZZZZZZ	RL10831.D	12/20/23 18:36	OP51270	(unrelated sample)
ZZZZZZ	RL10832.D	12/20/23 18:53	OP51270	(unrelated sample)
ZZZZZZ	RL10833.D	12/20/23 19:09	OP51270	(unrelated sample)
GRL244-CC144	RL10836.D	12/20/23 19:59	n/a	Continuing cal 50
ZZZZZZ	RL10840.D	12/20/23 21:06	OP51270	(unrelated sample)
ZZZZZZ	RL10841.D	12/20/23 21:22	OP51270	(unrelated sample)
ZZZZZZ	RL10842.D	12/20/23 21:39	OP51270	(unrelated sample)
ZZZZZZ	RL10843.D	12/20/23 21:55	OP51270	(unrelated sample)
GRL244-CC144	RL10846.D	12/20/23 22:45	n/a	Continuing cal 100
OP51196-MB1	RL10848.D	12/20/23 23:18	OP51196	Method Blank
OP51196-BS1	RL10849.D	12/20/23 23:35	OP51196	Blank Spike
OP51196-MS	RL10850.D	12/20/23 23:51	OP51196	Matrix Spike
OP51196-MSD	RL10851.D	12/21/23 00:08	OP51196	Matrix Spike Duplicate
GRL244-CC144	RL10857.D	12/21/23 01:47	n/a	Continuing cal 50

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:36	MA55268-STD1	1		STDA
12:41	MA55268-STD2	1		STDB
12:46	MA55268-ICV1	1		
12:52	MA55268-ICB1	1		
12:57	MA55268-ICCV1	1		
13:04	MA55268-CCB1	1		
13:10	MA55268-CRI1	1		
13:14	MA55268-CRID1	1		
13:19	MA55268-ICSA1	1		
13:24	MA55268-ICSAB1	1		
13:29	MA55268-HSTD1	1		
13:34	MA55268-HSTD2	1		
13:39	ZZZZZZ	1		
13:44	ZZZZZZ	1		
13:49	ZZZZZZ	1		
13:54	MA55268-CCV1	1		
13:59	MA55268-CCB2	1		
14:08	MA55268-CCV2	1		
14:13	MA55268-CCB3	1		
14:18	MA55268-CCV3	1		
14:23	MA55268-CCB4	1		
14:28	ZZZZZZ	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:48	MP43775-B1	1		
14:53	MP43775-MB1	1		
14:58	MP43775-S1	1		
15:03	MP43775-S2	1		
15:08	JD78869-1	1		(sample used for QC only; not part of login JD79009)
15:13	MP43775-SD1	5		
15:18	MA55268-CCV4	1		
15:23	MA55268-CCB5	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:28	MP43775-PS1	1		
15:33	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:12	ZZZZZZ	1		
16:17	MA55268-CCV5	1		
16:22	MA55268-CCB6	1		
16:27	ZZZZZZ	1		
16:32	ZZZZZZ	1		
16:37	ZZZZZZ	1		
16:42	ZZZZZZ	1		
16:47	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:57	ZZZZZZ	1		
17:02	ZZZZZZ	1		
17:07	ZZZZZZ	1		
17:12	MA55268-CCV6	1		Ba,Fe,Na out; Y3600 saturation
17:17	MA55268-CCB7	1		Y3600 saturation
17:22	ZZZZZZ	1		
17:27	MP43775-S2	1		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:47	ZZZZZZ	1		
17:52	MP43810-B1	1		ISTD out
17:57	MP43810-MB1	1		Batch to reanalysis for samples brackteted by QCs w/ failing elements
18:02	MP43810-S1	1		ISTD out
18:07	MP43810-S2	1		Y3600 saturation

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	18:12	MA55268-CCV7	1		Fe,Na out
	18:17	MA55268-CCB8	1		
	18:22	JD79009-3	1		
	18:27	MP43810-SD1	5		
	18:32	MP43810-PS1	1		
	18:37	JD79009-1	1		Ti high
	18:42	JD79009-2	1		
----------->		Last reportable sample/prep for job JD79009			
	18:47	MP43816-MB1	1		Batch to reanalysis due to failing QCs
	18:52	MP43816-LB1	1		
	18:57	MP43816-B1	1		
	19:02	MP43816-LS1	1		
	19:06	MP43816-S1	1		
	19:11	MA55268-CCV8	1		Multiple elements out; Y3600 saturation
	19:16	MA55268-CCB9	1		Cu out; Y3600 saturation
----------->		Last reportable CCB for job JD79009			
	19:21	MP43816-S2	1		
	19:26	JD78595-1A	1		(sample used for QC only; not part of login JD79009)
	19:31	MP43816-SD1	5		Y3600 saturation
	19:36	ZZZZZZ	1		
	19:42	ZZZZZZ	1		
	19:47	ZZZZZZ	1		
	19:52	ZZZZZZ	1		
	19:57	ZZZZZZ	10		
	20:02	ZZZZZZ	5		
	20:07	ZZZZZZ	20		
	20:12	MA55268-CCV9	1		Multiple elements out; Y3600 saturation
	20:17	MA55268-CCB10	1		
	20:22	ZZZZZZ	5		
	20:27	ZZZZZZ	1		
	20:32	ZZZZZZ	10		
	20:37	ZZZZZZ	1		
	20:42	ZZZZZZ	2		
	20:47	ZZZZZZ	1		
	20:53	ZZZZZZ	2		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:58	MP43820-B1	1		Batch to reanalysis for samples brackted by failing QCs
21:03	MP43820-MB1	1		
21:08	MP43820-S1	1		
21:13	MA55268-CCV10	1		Fe,Na out
21:17	MA55268-CCB11	1		
21:22	MP43820-S2	1		
21:27	JD78879-1	1		(sample used for QC only; not part of login JD79009)
21:32	MP43820-SD1	5		
21:38	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:53	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:03	ZZZZZZ	1		
22:08	MA55268-CCV11	1		Fe,Na out
22:13	MA55268-CCB12	1		Cu out
22:18	ZZZZZZ	1		
22:23	ZZZZZZ	1		
22:28	ZZZZZZ	1		
22:33	MP43822-B1	1		
22:38	MP43822-MB1	1		
22:43	MP43822-S1	1		
22:48	MP43822-S2	1		
22:52	JD78899-3	1		(sample used for QC only; not part of login JD79009)
22:58	MP43822-SD1	5		
23:03	ZZZZZZ	1		
23:08	MA55268-CCV12	1		Cu,Fe,Mg,Ag,Na out
23:13	MA55268-CCB13	1		
23:18	ZZZZZZ	1		
23:23	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:33	ZZZZZZ	1		
23:38	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:43	ZZZZZZ	1		
23:48	ZZZZZZ	1		
23:53	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:03	ZZZZZZ	1		
00:09	MA55268-CCV13	1		Cu,Fe,Mg,Ag,Na out
00:13	MA55268-CCB14	1		
00:19	ZZZZZZ	1		
00:24	MP43819-MB1	1		
00:29	MP43819-B1	1		Batch to reanalysis for elements failed in QCs
00:34	MP43819-S1	1		Need PS for Si
00:39	MP43819-S2	1		
00:43	JD78987-2	1		(sample used for QC only; not part of login JD79009)
00:49	MP43819-SD1	5		Y3600 saturation
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:04	ZZZZZZ	1		
01:09	MA55268-CCV14	1		Multiple elements out; Y3600 saturation
01:14	MA55268-CCB15	1		Y3600 saturation
01:19	ZZZZZZ	1		
01:24	ZZZZZZ	1		
01:29	ZZZZZZ	1		
01:35	ZZZZZZ	1		
01:40	ZZZZZZ	1		
01:45	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:00	ZZZZZZ	1		
02:05	ZZZZZZ	1		
02:11	MA55268-CCV15	1		Cu,Fe,Na out
02:15	MA55268-CCB16	1		
02:20	ZZZZZZ	1		
02:25	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:30	ZZZZZZ	1		
02:36	ZZZZZZ	1		
02:41	ZZZZZZ	1		
02:46	ZZZZZZ	1		
02:51	MA55268-CCV16	1		Fe,Na out
02:56	MA55268-CCB17	1		
03:01	ZZZZZZ	1		
03:06	ZZZZZZ	1		
03:11	ZZZZZZ	1		
03:17	ZZZZZZ	1		
03:22	ZZZZZZ	1		
03:27	ZZZZZZ	1		
03:32	ZZZZZZ	1		
03:37	ZZZZZZ	1		
03:42	ZZZZZZ	1		
03:47	MA55268-CCV17	1		
03:52	MA55268-CCB18	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution	Element: Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	
12:46	MA55268-ICV1	1	X	X	X	X	X	X	X	X	X	X	
12:52	MA55268-ICB1	1	X	X	X	X	X	X	X	X	X	X	
12:57	MA55268-ICCV1	1	X	X	X	X	X	X	X	X	X	X	
13:04	MA55268-CCB1	1	X	X	X	X	X	X	X	X	X	X	
13:10	MA55268-CRI1	1	X	X	X	X	X	X	X	X	X	X	
13:14	MA55268-CRID1	1	X	X	X	X	X	X	X	X	X	X	
13:19	MA55268-ICSA1	1	X	X	X	X	X	X	X	X	X	X	
13:24	MA55268-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	
13:29	MA55268-HSTD1	1		X	X	X	X	X	X	X	X	X	
13:34	MA55268-HSTD2	1	X										
13:39	ZZZZZZ	1											
13:44	ZZZZZZ	1											
13:49	ZZZZZZ	1											
13:54	MA55268-CCV1	1	X	X	X	X	X	X	X	X	X	X	
13:59	MA55268-CCB2	1	X	X	X	X	X	X	X	X	X	X	
14:08	MA55268-CCV2	1	X	X	X	X	X	X	X	X	X	X	
14:13	MA55268-CCB3	1	X	X	X	X	X	X	X	X	X	X	
14:18	MA55268-CCV3	1	X	X	X	X	X	X	X	X	X	X	
14:23	MA55268-CCB4	1	X	X	X	X	X	X	X	X	X	X	
14:28	ZZZZZZ	1											
14:33	ZZZZZZ	1											
14:38	ZZZZZZ	1											
14:43	ZZZZZZ	1											
14:48	MP43775-B1	1	X	X	X	X	X	X	X	X	X	X	
14:53	MP43775-MB1	1	X	X	X	X	X	X	X	X	X	X	
14:58	MP43775-S1	1	X	X	X	X	X	X	X	X	X	X	
15:03	MP43775-S2	1	X	X	X	X	X	X	X	X	X	X	
15:08	JD78869-1	1	X	X	X	X	X	X	X	X	X	X	(a)
15:13	MP43775-SD1	5	X	X	X	X	X	X	X	X	X	X	
15:18	MA55268-CCV4	1	X	X	X	X	X	X	X	X	X	X	
15:23	MA55268-CCB5	1	X	X	X	X	X	X	X	X	X	X	
15:28	MP43775-PS1	1		X									
15:33	ZZZZZZ	1											
		Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn
15:38	ZZZZZZ	1										
15:43	ZZZZZZ	1										
15:47	ZZZZZZ	1										
15:52	ZZZZZZ	1										
15:57	ZZZZZZ	1										
16:02	ZZZZZZ	1										
16:07	ZZZZZZ	1										
16:12	ZZZZZZ	1										
16:17	MA55268-CCV5	1	X	X	X	X	X	X	X	X	X	X
16:22	MA55268-CCB6	1	X	X	X	X	X	X	X	X	X	X
16:27	ZZZZZZ	1										
16:32	ZZZZZZ	1										
16:37	ZZZZZZ	1										
16:42	ZZZZZZ	1										
16:47	ZZZZZZ	1										
16:52	ZZZZZZ	1										
16:57	ZZZZZZ	1										
17:02	ZZZZZZ	1										
17:07	ZZZZZZ	1										
17:12	MA55268-CCV6	1	X	X	X	X	X	X	X	X	X	X
17:17	MA55268-CCB7	1	X	X	X	X	X	X	X	X	X	X
17:22	ZZZZZZ	1										
17:27	MP43775-S2	1										
17:32	ZZZZZZ	1										
17:37	ZZZZZZ	1										
17:42	ZZZZZZ	1										
17:47	ZZZZZZ	1										
17:52	MP43810-B1	1										
17:57	MP43810-MB1	1		X	X	X	X	X	X	X	X	X
18:02	MP43810-S1	1										
18:07	MP43810-S2	1										
18:12	MA55268-CCV7	1	X	X	X	X	X	X	X	X	X	X
18:17	MA55268-CCB8	1	X	X	X	X	X	X	X	X	X	X
		Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn
18:22	JD79009-3	1	X			X	X	X	X			X
18:27	MP43810-SD1	5	X			X	X	X	X			X
18:32	MP43810-PS1	1										
18:37	JD79009-1	1	X			X	X	X	X		X	X
18:42	JD79009-2	1	X			X	X	X	X		X	X
18:47	MP43816-MB1	1	Batch to reanalysis due to failing QCs									
18:52	MP43816-LB1	1										
18:57	MP43816-B1	1										
19:02	MP43816-LS1	1										
19:06	MP43816-S1	1										
19:11	MA55268-CCV8	1	X	X	X	X	X	X	X	X	X	X
19:16	MA55268-CCB9	1	X	X	X	X	X	X	X	X	X	X
19:21	MP43816-S2	1										
19:26	JD78595-1A	1										
19:31	MP43816-SD1	5	Y3600 saturation									
19:36	ZZZZZZ	1										
19:42	ZZZZZZ	1										
19:47	ZZZZZZ	1										
19:52	ZZZZZZ	1										
19:57	ZZZZZZ	10										
20:02	ZZZZZZ	5										
20:07	ZZZZZZ	20										
20:12	MA55268-CCV9	1	X	X	X	X	X	X	X	X	X	X
20:17	MA55268-CCB10	1	X	X	X	X	X	X	X	X	X	X
20:22	ZZZZZZ	5										
20:27	ZZZZZZ	1										
20:32	ZZZZZZ	10										
20:37	ZZZZZZ	1										
20:42	ZZZZZZ	2										
20:47	ZZZZZZ	1										
20:53	ZZZZZZ	2										
20:58	MP43820-B1	1	X	X	X	X		X	X	X	X	X
21:03	MP43820-MB1	1	X	X	X	X		X	X	X	X	X
		Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Dilution	Element: Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	
21:08	MP43820-S1	1	X	X	X	X		X	X	X	X	X	
21:13	MA55268-CCV10	1	X	X	X	X	X	X	X	X	X	X	
21:17	MA55268-CCB11	1	X	X	X	X	X	X	X	X	X	X	
21:22	MP43820-S2	1	X	X	X	X		X	X	X	X	X	
21:27	JD78879-1	1			X	X		X	X			X	(a)
21:32	MP43820-SD1	5	X	X	X	X		X	X	X	X	X	
21:38	ZZZZZZ	1											
21:43	ZZZZZZ	1											
21:48	ZZZZZZ	1											
21:53	ZZZZZZ	1											
21:58	ZZZZZZ	1											
22:03	ZZZZZZ	1											
22:08	MA55268-CCV11	1	X	X	X	X	X	X	X	X	X	X	
22:13	MA55268-CCB12	1	X	X	X	X	X	X	X	X	X	X	
22:18	ZZZZZZ	1											
22:23	ZZZZZZ	1											
22:28	ZZZZZZ	1											
22:33	MP43822-B1	1				X		X					
22:38	MP43822-MB1	1				X		X					
22:43	MP43822-S1	1				X		X					
22:48	MP43822-S2	1				X		X					
22:52	JD78899-3	1				X		X					(a)
22:58	MP43822-SD1	5				X		X					
23:03	ZZZZZZ	1											
23:08	MA55268-CCV12	1	X	X	X	X	X	X	X	X	X	X	
23:13	MA55268-CCB13	1	X	X	X	X	X	X	X	X	X	X	
23:18	ZZZZZZ	1											
23:23	ZZZZZZ	1											
23:28	ZZZZZZ	1											
23:33	ZZZZZZ	1											
23:38	ZZZZZZ	1											
23:43	ZZZZZZ	1											
23:48	ZZZZZZ	1											
		Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	
23:53	ZZZZZZ	1											
23:58	ZZZZZZ	1											
00:03	ZZZZZZ	1											
00:09	MA55268-CCV13	1	X	X	X	X	X	X	X	X	X	X	
00:13	MA55268-CCB14	1	X	X	X	X	X	X	X	X	X	X	
00:19	ZZZZZZ	1											
00:24	MP43819-MB1	1	X	X	X	X	X	X	X	X	X	X	
00:29	MP43819-B1	1	X	X	X	X	X	X	X	X	X	X	
00:34	MP43819-S1	1	X	X	X	X	X	X	X	X	X	X	
00:39	MP43819-S2	1	X	X	X	X	X	X	X	X	X	X	
00:43	JD78987-2	1	X	X		X	X	X	X	X		X	(a)
00:49	MP43819-SD1	5	X	X	X	X	X	X	X	X	X	X	
00:54	ZZZZZZ	1											
00:59	ZZZZZZ	1											
01:04	ZZZZZZ	1											
01:09	MA55268-CCV14	1	X	X	X	X	X	X	X	X	X	X	
01:14	MA55268-CCB15	1	X	X	X	X	X	X	X	X	X	X	
01:19	ZZZZZZ	1											
01:24	ZZZZZZ	1											
01:29	ZZZZZZ	1											
01:35	ZZZZZZ	1											
01:40	ZZZZZZ	1											
01:45	ZZZZZZ	1											
01:50	ZZZZZZ	1											
01:55	ZZZZZZ	1											
02:00	ZZZZZZ	1											
02:05	ZZZZZZ	1											
02:11	MA55268-CCV15	1	X	X	X	X	X	X	X	X	X	X	
02:15	MA55268-CCB16	1	X	X	X	X	X	X	X	X	X	X	
02:20	ZZZZZZ	1											
02:25	ZZZZZZ	1											
02:30	ZZZZZZ	1											
02:36	ZZZZZZ	1											
		Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn
02:41	ZZZZZZ	1										
02:46	ZZZZZZ	1										
02:51	MA55268-CCV16	1	X	X	X	X	X	X	X	X	X	X
02:56	MA55268-CCB17	1	X	X	X	X	X	X	X	X	X	X
03:01	ZZZZZZ	1										
03:06	ZZZZZZ	1										
03:11	ZZZZZZ	1										
03:17	ZZZZZZ	1										
03:22	ZZZZZZ	1										
03:27	ZZZZZZ	1										
03:32	ZZZZZZ	1										
03:37	ZZZZZZ	1										
03:42	ZZZZZZ	1										
03:47	MA55268-CCV17	1	X	X	X	X	X	X	X	X	X	X
03:52	MA55268-CCB18	1	X	X	X	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JD79009.

Element:	Al	Sb	As	Cd	Co	Pb	Ni	Se	Tl	Zn

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:36	MA55268-STD1	4038 R	176610 R	7081 R	8875 R
12:41	MA55268-STD2	3969	169180	6999	8950
12:46	MA55268-ICV1	4006	172630	7100	8942
12:52	MA55268-ICB1	3979	178040	7160	8759
12:57	MA55268-ICCV1	3960	170440	7066	8848
13:04	MA55268-CCB1	3962	176090	7166	8708
13:10	MA55268-CRI1	4036	173900	7060	8884
13:14	MA55268-CRID1	4072	174560	7063	8941
13:19	MA55268-ICSA1	3671	158340	6884	8340
13:24	MA55268-ICSAB1	3686	158560	6890	8385
13:29	MA55268-HSTD1	3994	173330	7104	9063
13:34	MA55268-HSTD2	3752	159480	6855	8417
13:39	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:44	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:49	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:54	MA55268-CCV1	3792	165650	6901	8500
13:59	MA55268-CCB2	3974	172240	6943	8732
14:08	MA55268-CCV2	3872	165880	6861	8661
14:13	MA55268-CCB3	3980	171400	6946	8736
14:18	MA55268-CCV3	3899	166500	6936	8702
14:23	MA55268-CCB4	3984	172380	6932	8749
14:28	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:33	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:38	ZZZZZZ	4037	174270	7086	8868
14:43	ZZZZZZ	4047	174500	7103	8879
14:48	MP43775-B1	4055	173160	7139	9005
14:53	MP43775-MB1	4116	177350	7216	9010
14:58	MP43775-S1	4079	166380	7524	9005
15:03	MP43775-S2	4188	999999 !a	7341	9289
15:08	JD78869-1	4118	175550	7318	9046
15:13	MP43775-SD1	4131	174390	7108	9049
15:18	MA55268-CCV4	4032	169350	6958	8958
15:23	MA55268-CCB5	4089	173550	7020	8952

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:28	MP43775-PS1	4051	171190	7165	8961
15:33	ZZZZZZ	4250	176320	7355	9322
15:38	ZZZZZZ	4237	999999 !a	7309	9274
15:43	ZZZZZZ	4190	175940	7289	9219
15:47	ZZZZZZ	4159	174880	7233	9120
15:52	ZZZZZZ	4079	174660	7168	8923
15:57	ZZZZZZ	4174	174310	7168	9174
16:02	ZZZZZZ	4152	174500	7245	9182
16:07	ZZZZZZ	4091	171940	7192	9010
16:12	ZZZZZZ	4102	999999 !a	7146	9071
16:17	MA55268-CCV5	4026	169950	7030	8964
16:22	MA55268-CCB6	4101	175940	7030	8978
16:27	ZZZZZZ	4332	999999 !a	7305	9608
16:32	ZZZZZZ	4268	999999 !a	7377	9314
16:37	ZZZZZZ	4228	174040	7214	9274
16:42	ZZZZZZ	4051	163690	7214	8632
16:47	ZZZZZZ	3858	154880	6998	8425
16:52	ZZZZZZ	4108	158700	7445	8584
16:57	ZZZZZZ	4069	163150	7153	8882
17:02	ZZZZZZ	4250	168650	7347	9187
17:07	ZZZZZZ	4435	999999 !a	7527	9621
17:12	MA55268-CCV6	4094	999999 !a	7117	9022
17:17	MA55268-CCB7	4113	999999 !a	7216	8926
17:22	ZZZZZZ	4108	169410	7407	8935
17:27	MP43775-S2	4151	163900	7409	9121
17:32	ZZZZZZ	4558	999999 !a	7938	9866
17:37	ZZZZZZ	5583 !a	175040	8062	11964 !a
17:42	ZZZZZZ	7449 !a	282240 !a	9628 !a	15808 !a
17:47	ZZZZZZ	10835 !a	366190 !a	13146 !a	22625 !a
17:52	MP43810-B1	9274 !a	429210 !a	999999 !a	999999 !a
17:57	MP43810-MB1	4522	260240 !a	9223 !a	9775
18:02	MP43810-S1	5703 !a	218690	8585	12231 !a
18:07	MP43810-S2	4334	999999 !a	7910	9482

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:12	MA55268-CCV7	4067	165900	7074	8981
18:17	MA55268-CCB8	4146	170210	7073	9009
18:22	JD79009-3	4270	174390	7321	9255
18:27	MP43810-SD1	4078	167590	7051	8869
18:32	MP43810-PS1	4048	165010	7067	8886
18:37	JD79009-1	4226	169300	7284	9180
18:42	JD79009-2	4166	169460	7424	9087
18:47	MP43816-MB1	No results reported for the elements associated with this internal standard.			
18:52	MP43816-LB1	No results reported for the elements associated with this internal standard.			
18:57	MP43816-B1	No results reported for the elements associated with this internal standard.			
19:02	MP43816-LS1	No results reported for the elements associated with this internal standard.			
19:06	MP43816-S1	No results reported for the elements associated with this internal standard.			
19:11	MA55268-CCV8	4354	999999 !a	7507	9567
19:16	MA55268-CCB9	4387	999999 !a	7336	9503
19:21	MP43816-S2	No results reported for the elements associated with this internal standard.			
19:26	JD78595-1A	No results reported for the elements associated with this internal standard.			
19:31	MP43816-SD1	No results reported for the elements associated with this internal standard.			
19:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:57	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:02	ZZZZZZ	999999 !a	174050	7562	9843
20:07	ZZZZZZ	4322	999999 !a	7362	9506
20:12	MA55268-CCV9	4183	999999 !a	7125	9228
20:17	MA55268-CCB10	4215	171260	7086	9144
20:22	ZZZZZZ	4121	168360	7138	9034
20:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
20:53	ZZZZZZ	4090	166550	6997	8959

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
20:58	MP43820-B1	4092	165090	6976	9062
21:03	MP43820-MB1	4164	169680	7066	9089
21:08	MP43820-S1	4050	163780	7025	8980
21:13	MA55268-CCV10	4076	165820	7089	9014
21:17	MA55268-CCB11	4192	171540	7103	9108
21:22	MP43820-S2	4073	164620	7056	9029
21:27	JD78879-1	4189	167270	7103	9202
21:32	MP43820-SD1	4190	170850	7111	9144
21:38	ZZZZZZ	4179	168820	7129	9154
21:43	ZZZZZZ	4187	169380	7096	9175
21:48	ZZZZZZ	4087	165210	7013	8993
21:53	ZZZZZZ	4074	164740	6997	8958
21:58	ZZZZZZ	4250	170520	7145	9303
22:03	ZZZZZZ	4195	170120	7085	9181
22:08	MA55268-CCV11	4099	165960	7028	9047
22:13	MA55268-CCB12	4219	171500	7115	9164
22:18	ZZZZZZ	4158	169090	7091	9095
22:23	ZZZZZZ	4115	166300	6981	9046
22:28	ZZZZZZ	4128	167700	7032	9063
22:33	MP43822-B1	4164	168470	7141	9176
22:38	MP43822-MB1	4226	171730	7132	9183
22:43	MP43822-S1	4148	167400	7125	9144
22:48	MP43822-S2	4150	167830	7095	9158
22:52	JD78899-3	4271	171600	7186	9317
22:58	MP43822-SD1	4261	171840	7167	9280
23:03	ZZZZZZ	4409	175480	7283	9594
23:08	MA55268-CCV12	4266	170310	7178	9397
23:13	MA55268-CCB13	4256	175270	7199	9242
23:18	ZZZZZZ	4373	173990	7284	9529
23:23	ZZZZZZ	4304	176670	7276	9351
23:28	ZZZZZZ	4244	171400	7161	9280
23:33	ZZZZZZ	4212	171750	7160	9221
23:38	ZZZZZZ	4281	172850	7190	9321

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
23:43	ZZZZZZ	4221	170820	7129	9242
23:48	ZZZZZZ	4215	169000	7145	9178
23:53	ZZZZZZ	4197	168840	7089	9167
23:58	ZZZZZZ	4201	167250	7096	9132
00:03	ZZZZZZ	4194	168340	7097	9151
00:09	MA55268-CCV13	4253	169600	7133	9364
00:13	MA55268-CCB14	4291	174970	7195	9322
00:19	ZZZZZZ	4237	172090	7144	9267
00:24	MP43819-MB1	4373	175430	7239	9476
00:29	MP43819-B1	4231	172030	7223	9319
00:34	MP43819-S1	4187	165960	7202	9228
00:39	MP43819-S2	4203	170170	7199	9262
00:43	JD78987-2	4266	171700	7214	9318
00:49	MP43819-SD1	4335	999999 !a	7254	9458
00:54	ZZZZZZ	4299	193180	7311	9341
00:59	ZZZZZZ	4336	173390	7322	9444
01:04	ZZZZZZ	4310	176340	7330	9390
01:09	MA55268-CCV14	4185	999999 !a	7183	9257
01:14	MA55268-CCB15	4409	999999 !a	7520	9548
01:19	ZZZZZZ	4200	167440	7072	9178
01:24	ZZZZZZ	4213	169510	7113	9224
01:29	ZZZZZZ	4216	168920	7079	9202
01:35	ZZZZZZ	4081	162140	6980	8891
01:40	ZZZZZZ	4178	166650	7023	9132
01:45	ZZZZZZ	4265	168410	7081	9313
01:50	ZZZZZZ	4186	168540	7045	9157
01:55	ZZZZZZ	4071	161620	6916	8859
02:00	ZZZZZZ	4226	171990	7137	9234
02:05	ZZZZZZ	4196	170410	7103	9173
02:11	MA55268-CCV15	4121	167540	7022	9116
02:15	MA55268-CCB16	4238	173320	7098	9210
02:20	ZZZZZZ	4280	173210	7252	9262
02:25	ZZZZZZ	4145	168270	7073	9062

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55268
Parameters: Al,Sb,As,Cd,Co,Pb,Ni,Se,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:30	ZZZZZZ	4244	173310	7125	9231
02:36	ZZZZZZ	4171	168590	7096	9157
02:41	ZZZZZZ	4145	168500	7038	9073
02:46	ZZZZZZ	4256	172630	7153	9247
02:51	MA55268-CCV16	4099	166640	7001	9068
02:56	MA55268-CCB17	4230	172760	7033	9192
03:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:06	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:11	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
03:47	MA55268-CCV17	4115	167060	6997	9099
03:52	MA55268-CCB18	4218	171990	7055	9173

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time: / Sample ID:			12:52 ICB1		13:04 CCB1		13:59 CCB2		14:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	4.60	<200	2.30	<200	11.5	<200	12.7	<200
Antimony	6.0	2.8	-0.700	<6.0	-0.300	<6.0	-0.200	<6.0	-0.500	<6.0
Arsenic	3.0	2.6	0.700	<3.0	1.60	<3.0	0.900	<3.0	0.200	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.5	anr							
Boron	100	1.8								
Cadmium	3.0	.4	0.100	<3.0	0.100	<3.0	0.200	<3.0	0.100	<3.0
Calcium	5000	13	anr							
Cerium	100									
Chromium	10	.7	anr							
Cobalt	50	.6	-0.100	<50	0.100	<50	-0.100	<50	-0.100	<50
Copper	10	.7	anr							
Iron	100	3.3	anr							
Lead	3.0	2	0.900	<3.0	0.100	<3.0	0.200	<3.0	-0.400	<3.0
Lithium	50	1.5								
Magnesium	5000	25	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6	anr							
Nickel	10	.8	-0.400	<10	0.200	<10	0.200	<10	-0.200	<10
Phosphorus	50	7								
Potassium	10000	35	anr							
Selenium	10	3.6	-3.00	<10	-1.70	<10	-2.40	<10	-0.500	<10
Silicon	200	2.2	anr							
Silver	10	.6	anr							
Sodium	10000	14	anr							
Strontium	10	.1								
Sulfur	50	3.7	anr							
Thallium	10	5.2	1.50	<10	0.700	<10	0.400	<10	0.400	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			12:52		13:04		13:59		14:13	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.500	<20	0.300	<20	-0.100	<20	-0.400	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time: / Sample ID:			14:23 CCB4		15:23 CCB5		16:22 CCB6		17:17 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	13.0	<200	17.5	<200	28.1	<200	14.6	<200
Antimony	6.0	2.8	0.700	<6.0	-0.800	<6.0	-1.00	<6.0	-0.100	<6.0
Arsenic	3.0	2.6	0.400	<3.0	1.70	<3.0	1.60	<3.0	0.500	<3.0
Barium	200	.2	anr							
Beryllium	1.0	.2	anr							
Bismuth	20	2.5	anr							
Boron	100	1.8								
Cadmium	3.0	.4	0.00	<3.0	0.00	<3.0	0.00	<3.0	0.200	<3.0
Calcium	5000	13	anr							
Cerium	100									
Chromium	10	.7	anr							
Cobalt	50	.6	0.00	<50	0.00	<50	0.300	<50	0.00	<50
Copper	10	.7	anr							
Iron	100	3.3	anr							
Lead	3.0	2	-0.800	<3.0	0.300	<3.0	1.00	<3.0	0.700	<3.0
Lithium	50	1.5								
Magnesium	5000	25	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6	anr							
Nickel	10	.8	-0.100	<10	-0.100	<10	0.100	<10	0.200	<10
Phosphorus	50	7								
Potassium	10000	35	anr							
Selenium	10	3.6	-2.20	<10	-0.600	<10	-1.80	<10	-2.90	<10
Silicon	200	2.2	anr							
Silver	10	.6	anr							
Sodium	10000	14	anr							
Strontium	10	.1								
Sulfur	50	3.7	anr							
Thallium	10	5.2	0.200	<10	0.700	<10	0.800	<10	-1.60	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			14:23		15:23		16:22		17:17	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.400	<20	-0.500	<20	-0.400	<20	-0.500	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			18:17		19:16	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	9.2	14.0	<200	15.8	<200
Antimony	6.0	2.8	-0.600	<6.0	0.00	<100
Arsenic	3.0	2.6	0.900	<3.0	1.90	<100
Barium	200	.2	anr			
Beryllium	1.0	.2	anr			
Bismuth	20	2.5	anr			
Boron	100	1.8				
Cadmium	3.0	.4	0.200	<3.0	-0.100	<4.0
Calcium	5000	13	anr			
Cerium	100					
Chromium	10	.7	anr			
Cobalt	50	.6	0.00	<50	0.00	<50
Copper	10	.7	anr			
Iron	100	3.3	anr			
Lead	3.0	2	-0.100	<3.0	1.50	<100
Lithium	50	1.5				
Magnesium	5000	25	anr			
Manganese	15	.1	anr			
Molybdenum	20	.6	anr			
Nickel	10	.8	-0.100	<10	0.100	<10
Phosphorus	50	7				
Potassium	10000	35	anr			
Selenium	10	3.6	-0.300	<10	-1.80	<100
Silicon	200	2.2	anr			
Silver	10	.6	anr			
Sodium	10000	14	anr			
Strontium	10	.1				
Sulfur	50	3.7	anr			
Thallium	10	5.2	-1.20	<10	0.00	<100
Tin	10	1.4				
Titanium	10	.8				
Tungsten	50	1.3				
Vanadium	50	.5	anr			

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55268 Units: ug/l

Time:			18:17		19:16	
Sample ID:			CCB8		CCB9	
Metal	RL	IDL	raw	final	raw	final
Zinc	20	.3	-0.600	<20	-0.600	<20
Zirconium	10	.5				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55268 Units: ug/l

Time:		12:57	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39600	99.0
Antimony	2000	2040	102.0
Arsenic	2000	2050	102.5
Barium	anr		
Beryllium	anr		
Bismuth	anr		
Boron			
Cadmium	2000	2030	101.5
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	2000	2040	102.0
Copper	anr		
Iron	anr		
Lead	2000	2070	103.5
Lithium			
Magnesium	anr		
Manganese	anr		
Molybdenum	anr		
Nickel	2000	2070	103.5
Phosphorus			
Potassium	anr		
Selenium	2000	2040	102.0
Silicon	anr		
Silver	anr		
Sodium	anr		
Strontium			
Sulfur	anr		
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55268 Units: ug/l

Time:		12:57	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2080	104.0
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		12:46			13:54			14:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	41400	103.5	40000	40800	102.0
Antimony	2000	1970	98.5	2000	2180	109.0	2000	2100	105.0
Arsenic	2000	2000	100.0	2000	2190	109.5	2000	2100	105.0
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron									
Cadmium	2000	1950	97.5	2000	2170	108.5	2000	2090	104.5
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	2000	1990	99.5	2000	2190	109.5	2000	2110	105.5
Copper	anr								
Iron	anr								
Lead	2000	2010	100.5	2000	2210	110.5*(a	2000	2120	106.0
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	2000	2020	101.0	2000	2210	110.5*(a	2000	2130	106.5
Phosphorus									
Potassium	anr								
Selenium	2000	2010	100.5	2000	2180	109.0	2000	2100	105.0
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	2000	2000	100.0	2000	2200	110.0	2000	2120	106.0
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		12:46			13:54			14:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2030	101.5	2000	2230	111.5*(a	2000	2140	107.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		14:18			15:18			16:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39700	99.3	40000	38900	97.3	40000	38600	96.5
Antimony	2000	2010	100.5	2000	1920	96.0	2000	1930	96.5
Arsenic	2000	2020	101.0	2000	1940	97.0	2000	1930	96.5
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron									
Cadmium	2000	2030	101.5	2000	1950	97.5	2000	1960	98.0
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	2000	2050	102.5	2000	1980	99.0	2000	1990	99.5
Copper	anr								
Iron	anr								
Lead	2000	2070	103.5	2000	1990	99.5	2000	1990	99.5
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	2000	2070	103.5	2000	2000	100.0	2000	2000	100.0
Phosphorus									
Potassium	anr								
Selenium	2000	2020	101.0	2000	1940	97.0	2000	1940	97.0
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	2000	2060	103.0	2000	2000	100.0	2000	2010	100.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		14:18			15:18			16:17	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2080	104.0	2000	2000	100.0	2000	2000	100.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		17:12			18:12			19:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38400	96.0	40000	39200	98.0	40000	36300	90.8
Antimony	2000	1880	94.0	2000	1910	95.5	2000	1760	88.0*(a)
Arsenic	2000	1880	94.0	2000	1910	95.5	2000	1760	88.0*(a)
Barium	anr								
Beryllium	anr								
Bismuth	anr								
Boron									
Cadmium	2000	1900	95.0	2000	1960	98.0	2000	1820	91.0
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	2000	1940	97.0	2000	2010	100.5	2000	1870	93.5
Copper	anr								
Iron	anr								
Lead	2000	1950	97.5	2000	1980	99.0	2000	1830	91.5
Lithium									
Magnesium	anr								
Manganese	anr								
Molybdenum	anr								
Nickel	2000	1960	98.0	2000	2000	100.0	2000	1860	93.0
Phosphorus									
Potassium	anr								
Selenium	2000	1850	92.5	2000	1900	95.0	2000	1750	87.5*(a)
Silicon	anr								
Silver	anr								
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	2000	1930	96.5	2000	2030	101.5	2000	1890	94.5
Tin									
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55268 Units: ug/l

Time:		17:12			18:12			19:11	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1970	98.5	2000	1970	98.5	2000	1820	91.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55268 Units: ug/l

Time:		13:29			13:34	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	300000	100.0
Antimony	8000	8050	100.6			
Arsenic	8000	8070	100.9			
Barium	anr					
Beryllium	anr					
Bismuth	anr					
Boron						
Cadmium	8000	8060	100.8			
Calcium						
Cerium						
Chromium	anr					
Cobalt	8000	8430	105.4			
Copper	anr					
Iron						
Lead	8000	8460	105.8			
Lithium						
Magnesium						
Manganese	anr					
Molybdenum	anr					
Nickel	8000	8450	105.6			
Phosphorus						
Potassium						
Selenium	8000	8110	101.4			
Silicon	anr					
Silver	anr					
Sodium						
Strontium						
Sulfur	anr					
Thallium	8000	8280	103.5			
Tin						
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55268 Units: ug/l

Time:		13:29			13:34	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8520	106.5			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55268 Units: ug/l

Time:				13:10		13:14	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	209	104.5	111	111.0
Antimony	6.0	20	3.0	5.70	95.0		
Arsenic	8.0	20	3.0	8.40	105.0	3.30	110.0
Barium	200		4.0	anr			
Beryllium	2.0		1.0	anr			
Bismuth	20			anr			
Boron	100		10				
Cadmium	3.0		1.0	3.20	106.7	1.00	100.0
Calcium	5000	2000	1000	anr			
Cerium							
Chromium	10		2.0	anr			
Cobalt	50		3.0	51.9	103.8	3.00	100.0
Copper	10		2.0	anr			
Iron	100	500		anr			
Lead	3.0	20	2.5	3.00	100.0		
Lithium	50						
Magnesium	5000	2000	100	anr			
Manganese	15		3.0	anr			
Molybdenum	20			anr			
Nickel	10		4.0	10.8	108.0	4.30	107.5
Phosphorus	50						
Potassium	5000		2000	anr			
Selenium	10	20	5.0	8.60	86.0	4.80	96.0
Silicon	200			anr			
Silver	5.0		2.0	anr			
Sodium	5000		1000	anr			
Strontium	10						
Sulfur	50			anr			
Thallium	10		2.0	9.30	93.0		
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	anr			

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55268 Units: ug/l

Time:				13:10		13:14	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	21.8	109.0	10.7	107.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55268 Units: ug/l

Time:			13:19		13:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	492000	98.4	498000	99.6
Antimony		1000	1.30		1050	105.0
Arsenic		1000	1.20		1050	105.0
Barium		500	-6.50		486	97.2
Beryllium		500	0.300		502	100.4
Bismuth		500	-0.100		539	107.8
Boron		500	-4.00		529	105.8
Cadmium		1000	2.60		1090	109.0
Calcium	400000	400000	385000	96.3	379000	94.8
Cerium			-23.4		6.40	
Chromium		500	1.00		489	97.8
Cobalt		500	0.500		496	99.2
Copper		500	5.30		530	106.0
Iron	200000	200000	180000	90.0	185000	92.5
Lead		1000	1.80		988	98.8
Lithium		500	-12.2		511	102.2
Magnesium	500000	500000	474000	94.8	483000	96.6
Manganese		500	-8.30		511	102.2
Molybdenum		500	-0.500		505	101.0
Nickel		1000	2.20		970	97.0
Phosphorus		500	20.9		549	109.8
Potassium			110		126	
Selenium		1000	-2.40		1030	103.0
Silicon		500	3.20		546	109.2
Silver		1000	1.20		969	96.9
Sodium			26.1		25.1	
Strontium		500	4.90		487	97.4
Sulfur		500	-21.7		491	98.2
Thallium		1000	-1.10		1010	101.0
Tin		500	-3.40		508	101.6
Titanium		500	-0.700		505	101.0
Tungsten		500	-1.50		506	101.2
Vanadium		500	-0.100		510	102.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF121923M1.ICP Date Analyzed: 12/19/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55268 Units: ug/l

Time:			13:19		13:24	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	5.70		1010	101.0
Zirconium		500	0.600		476	95.2

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:28	MA55270-STD1	1		STDA
14:29	MA55270-STD2	1		STDB
14:31	MA55270-STD3	1		STDC
14:33	MA55270-STD4	1		STDD
14:35	MA55270-STD5	1		STDE
14:37	MA55270-STD6	1		STDF
14:42	ZZZZZZ	1		
14:43	MA55270-ICV1	1		
14:45	MA55270-ICB1	1		
14:47	MA55270-CCV1	1		
14:48	MA55270-CCB1	1		
14:51	MA55270-CRI1	1		
14:53	MP43848-MB1	1		
14:54	MP43848-B1	1		
14:56	MP43848-S1	1		
14:58	MP43848-S2	1		
15:00	MP43848-LC1	50		
15:03	MP43848-LC2	50		
15:05	JD78269-3	1		(sample used for QC only; not part of login JD79009)
15:07	ZZZZZZ	1		
15:08	MA55270-CCV2	1		
15:10	MA55270-CCB2	1		
15:13	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:30	MA55270-CCV3	1		
15:32	MA55270-CCB3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:34	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:48	MA55270-CCV4	1		
15:50	MA55270-CCB4	1		
15:52	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:57	MP43849-MB1	1		
15:59	MP43849-B1	1		
16:01	MP43849-S1	1		
16:03	MP43849-S2	1		
16:05	JD78718-1	1		(sample used for QC only; not part of login JD79009)
16:07	MA55270-CCV5	1		
16:09	MA55270-CCB5	1		
16:11	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:33	MA55270-CCV6	1		
16:35	MA55270-CCB6	1		
16:37	MA55270-CRI2	1		
16:40	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:43	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:45	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:54	ZZZZZZ	1		
16:57	MA55270-CCV7	1		
17:00	MA55270-CCB7	1		
17:07	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:12	MP43850-MB1	1		
17:14	MP43850-B1	1		
17:15	MP43850-S1	1		
17:17	MP43850-S2	1		
17:20	JD78781-1	1		(sample used for QC only; not part of login JD79009)
17:22	MA55270-CCV8	1		
17:25	MA55270-CCB8	1		
17:27	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:44	MA55270-CCV9	1		
17:45	MA55270-CCB9	1		
17:47	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:55	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

	Time	Sample Description	Dilution Factor	PS Recov	Comments
	17:57	JD79009-1	1		
	17:59	JD79009-2	1		
	18:01	JD79009-3	1		
----------->		Last reportable sample/prep for job JD79009			
	18:03	ZZZZZZ	1		
	18:05	MA55270-CCV10	1		
	18:09	MA55270-CCB10	1		
----------->		Last reportable CCB for job JD79009			
	18:12	ZZZZZZ	1		
	18:14	ZZZZZZ	1		
	18:16	MP43851-MB1	1		
	18:17	MP43851-B1	1		
	18:18	MP43851-S1	1		
	18:21	MP43851-S2	1		
	18:23	JD78362-1	1		(sample used for QC only; not part of login JD79009)
	18:25	ZZZZZZ	1		
	18:27	ZZZZZZ	1		
	18:34	MA55270-CCV11	1		
	18:37	MA55270-CCB11	1		
	18:40	ZZZZZZ	1		
	18:41	ZZZZZZ	1		
	18:43	ZZZZZZ	1		
	18:45	ZZZZZZ	1		
	18:47	ZZZZZZ	1		
	18:48	ZZZZZZ	1		
	18:50	ZZZZZZ	1		
	18:52	ZZZZZZ	1		
	18:54	ZZZZZZ	1		
	18:58	MA55270-CCV12	1		
	19:01	MA55270-CCB12	1		
	19:03	ZZZZZZ	1		
	19:05	ZZZZZZ	1		
	19:07	ZZZZZZ	1		
	19:08	ZZZZZZ	1		
	19:10	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:12	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:19	MA55270-CCV13	1		
19:22	MA55270-CCB13	1		
19:28	ZZZZZZ	10		
19:30	MA55270-CCV14	1		
19:32	MA55270-CCB14	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
14:42	ZZZZZZ	1		
14:43	MA55270-ICV1	1	X	
14:45	MA55270-ICB1	1	X	
14:47	MA55270-CCV1	1	X	
14:48	MA55270-CCB1	1	X	
14:51	MA55270-CRI1	1	X	
14:53	MP43848-MB1	1	X	
14:54	MP43848-B1	1	X	
14:56	MP43848-S1	1	X	
14:58	MP43848-S2	1	X	
15:00	MP43848-LC1	50	X	
15:03	MP43848-LC2	50	X	
15:05	JD78269-3	1	X	(a)
15:07	ZZZZZZ	1		
15:08	MA55270-CCV2	1	X	
15:10	MA55270-CCB2	1	X	
15:13	ZZZZZZ	1		
15:14	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:20	ZZZZZZ	1		
15:22	ZZZZZZ	1		
15:24	ZZZZZZ	1		
15:26	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:30	MA55270-CCV3	1	X	
15:32	MA55270-CCB3	1	X	
15:34	ZZZZZZ	1		
15:40	ZZZZZZ	1		
15:41	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:47	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
15:48	MA55270-CCV4	1	X	
15:50	MA55270-CCB4	1	X	
15:52	ZZZZZZ	1		
15:54	ZZZZZZ	1		
15:55	ZZZZZZ	1		
15:57	MP43849-MB1	1	X	
15:59	MP43849-B1	1	X	
16:01	MP43849-S1	1	X	
16:03	MP43849-S2	1	X	
16:05	JD78718-1	1	X	(a)
16:07	MA55270-CCV5	1	X	
16:09	MA55270-CCB5	1	X	
16:11	ZZZZZZ	1		
16:13	ZZZZZZ	1		
16:15	ZZZZZZ	1		
16:17	ZZZZZZ	1		
16:19	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:24	ZZZZZZ	1		
16:26	ZZZZZZ	1		
16:29	ZZZZZZ	1		
16:33	MA55270-CCV6	1	X	
16:35	MA55270-CCB6	1	X	
16:37	MA55270-CRI2	1	X	
16:40	ZZZZZZ	1		
16:41	ZZZZZZ	1		
16:43	ZZZZZZ	1		
16:45	ZZZZZZ	1		
16:46	ZZZZZZ	1		
16:48	ZZZZZZ	1		
16:50	ZZZZZZ	1		
16:52	ZZZZZZ	1		
16:54	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
16:57	MA55270-CCV7	1	X	
17:00	MA55270-CCB7	1	X	
17:07	ZZZZZZ	1		
17:08	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:12	MP43850-MB1	1	X	
17:14	MP43850-B1	1	X	
17:15	MP43850-S1	1	X	
17:17	MP43850-S2	1	X	
17:20	JD78781-1	1	X	(a)
17:22	MA55270-CCV8	1	X	
17:25	MA55270-CCB8	1	X	
17:27	ZZZZZZ	1		
17:28	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:33	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:38	ZZZZZZ	1		
17:40	ZZZZZZ	1		
17:42	ZZZZZZ	1		
17:44	MA55270-CCV9	1	X	
17:45	MA55270-CCB9	1	X	
17:47	ZZZZZZ	1		
17:49	ZZZZZZ	1		
17:51	ZZZZZZ	1		
17:53	ZZZZZZ	1		
17:55	ZZZZZZ	1		
17:57	JD79009-1	1	X	
17:59	JD79009-2	1	X	
18:01	JD79009-3	1	X	
18:03	ZZZZZZ	1		
18:05	MA55270-CCV10	1	X	
18:09	MA55270-CCB10	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
18:12	ZZZZZZ	1		
18:14	ZZZZZZ	1		
18:16	MP43851-MB1	1	X	
18:17	MP43851-B1	1	X	
18:18	MP43851-S1	1	X	
18:21	MP43851-S2	1	X	
18:23	JD78362-1	1	X	(a)
18:25	ZZZZZZ	1		
18:27	ZZZZZZ	1		
18:34	MA55270-CCV11	1	X	
18:37	MA55270-CCB11	1	X	
18:40	ZZZZZZ	1		
18:41	ZZZZZZ	1		
18:43	ZZZZZZ	1		
18:45	ZZZZZZ	1		
18:47	ZZZZZZ	1		
18:48	ZZZZZZ	1		
18:50	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:54	ZZZZZZ	1		
18:58	MA55270-CCV12	1	X	
19:01	MA55270-CCB12	1	X	
19:03	ZZZZZZ	1		
19:05	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:08	ZZZZZZ	1		
19:10	ZZZZZZ	1		
19:12	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:19	MA55270-CCV13	1	X	
19:22	MA55270-CCB13	1	X	
19:28	ZZZZZZ	10		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55270
Parameters: Hg

Time	Sample Description	Dilution	Element: Hg
19:30	MA55270-CCV14	1	X
19:32	MA55270-CCB14	1	X

(a) Sample used for QC only; not part of login JD79009.

Element: Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55270 Units: ug/l

Time:			14:45		14:48		15:10		15:32	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.00570	<0.20	-0.00600	<0.20	-0.0221	<0.20	-0.0269	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55270 Units: ug/l

Time:			15:50		16:09		16:35		17:00	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.0271	<0.20	-0.0231	<0.20	0.00340	<0.20	0.0226	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55270 Units: ug/l

Time:			17:25		17:45		18:09	
Sample ID:			CCB8		CCB9		CCB10	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.0186	<0.20	-0.0265	<0.20	0.0119	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55270 Units: ug/l

Time:		14:43			14:47			15:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.25	108.3	2.5	2.49	99.6	2.5	2.26	90.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55270 Units: ug/l

Time:		15:30			15:48			16:07	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.30	92.0	2.5	2.31	92.4	2.5	2.27	90.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55270 Units: ug/l

Time:		16:33			16:57			17:22	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.31	92.4	2.5	2.32	92.8	2.5	2.30	92.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55270 Units: ug/l

Time:		17:44			18:05	
Sample ID:	CCV	CCV9		CCV	CCV10	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.26	90.4	2.5	2.28	91.2

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122023S1.CSV Date Analyzed: 12/20/23 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA55270 Units: ug/l

Time:			14:51		16:37	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.222	111.0	0.190	95.0

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
06:40	MA55273-STD1	1		STDA
06:44	MA55273-STD2	1		STDB
06:50	MA55273-ICV1	1		
06:56	MA55273-ICB1	1		
07:02	MA55273-ICCV1	1		
07:11	MA55273-CCB1	1		
07:16	MA55273-CRI1	1		
07:21	MA55273-CRID1	1		
07:26	MA55273-ICSA1	1		
07:31	MA55273-ICSAB1	1		
07:36	MA55273-HSTD1	1		
07:42	MA55273-HSTD2	1		
07:48	ZZZZZZ	1		
07:53	ZZZZZZ	1		
07:58	MA55273-CRI2	1		
08:02	ZZZZZZ	1		
08:08	MA55273-CCV1	1		
08:13	MA55273-CCB2	1		
08:18	ZZZZZZ	1		
08:23	MP43810-MB1	1		
08:27	MP43810-B1	1		
08:32	MP43810-S1	1		
08:38	MP43810-S2	1		
08:43	JD79009-3	1		
08:47	MP43810-SD1	5		
08:52	ZZZZZZ	1		
08:52	MP43810-PS1	1		
08:57	JD79009-1	1		High Ti
09:03	JD79009-2	1		
---------->	Last reportable sample/prep for job JD79009			
09:08	MA55273-CCV2	1		
09:13	MA55273-CCB3	1		
---------->	Last reportable CCB for job JD79009			
09:18	MP43820-MB1	1		
09:23	MP43820-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:28	MP43820-S1	1		
09:33	MP43820-S2	1		
09:38	JD78879-1	1		(sample used for QC only; not part of login JD79009)
09:43	MP43820-SD1	5		
09:48	ZZZZZZ	1		
09:53	ZZZZZZ	1		
09:58	ZZZZZZ	1		
10:02	MA55273-CCV3	1		
10:07	MA55273-CCB4	1		
10:12	ZZZZZZ	1		
10:17	ZZZZZZ	1		
10:22	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:42	ZZZZZZ	1		
10:47	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:58	ZZZZZZ	2		
11:03	MA55273-CCV4	1		
11:07	MA55273-CCB5	1		
11:12	ZZZZZZ	1		
11:17	ZZZZZZ	1		
11:22	MP43819-S1	1		
11:27	ZZZZZZ	1		
11:32	ZZZZZZ	1		
11:37	MP43819-S2	1		
11:42	JD78987-2	1		(sample used for QC only; not part of login JD79009)
11:47	MP43819-SD1	5		
11:51	ZZZZZZ	1		
11:56	MA55273-CCV5	1		
12:01	MA55273-CCB6	1		
12:06	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:11	ZZZZZZ	1		
12:15	ZZZZZZ	1		
12:20	ZZZZZZ	1		
12:25	ZZZZZZ	1		
12:30	ZZZZZZ	1		
12:34	ZZZZZZ	1		
12:39	ZZZZZZ	1		
12:44	ZZZZZZ	1		
12:49	MA55273-CCV6	1		
12:54	MA55273-CCB7	1		
12:59	ZZZZZZ	1		
13:03	ZZZZZZ	1		
13:08	ZZZZZZ	1		
13:13	ZZZZZZ	1		
13:19	ZZZZZZ	1		
13:24	ZZZZZZ	5		
13:29	ZZZZZZ	5		
13:33	ZZZZZZ	5		
13:38	ZZZZZZ	5		
13:43	MA55273-CCV7	1		
13:48	MA55273-CCB8	1		
13:53	ZZZZZZ	10		
13:58	ZZZZZZ	10		
14:03	ZZZZZZ	5		
14:07	ZZZZZZ	2		
14:12	MA55273-CCV8	1		
14:17	MA55273-CCB9	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
06:50	MA55273-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
06:56	MA55273-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:02	MA55273-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:11	MA55273-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:16	MA55273-CRI1	1																						
07:21	MA55273-CRID1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:26	MA55273-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:31	MA55273-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:36	MA55273-HSTD1	1		X	X	X	X	X		X	X	X		X		X	X		X	X		X	X	X
07:42	MA55273-HSTD2	1	X					X				X		X			X				X			
07:48	ZZZZZZ	1																						
07:53	ZZZZZZ	1																						
07:58	MA55273-CRI2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:02	ZZZZZZ	1																						
08:08	MA55273-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:13	MA55273-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:18	ZZZZZZ	1																						
08:23	MP43810-MB1	1	X			X	X		X	X		X	X		X	X		X		X	X		X	
08:27	MP43810-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:32	MP43810-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:38	MP43810-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:43	JD79009-3	1		X	X	X	X		X	X		X	X		X	X		X	X	X	X	X	X	
08:47	MP43810-SD1	5		X	X	X	X		X	X		X	X		X	X		X	X	X	X	X	X	
08:52	ZZZZZZ	1																						
08:52	MP43810-PS1	1		X												X								
08:57	JD79009-1	1		X	X	X	X		X	X		X	X		X	X		X	X		X		X	
09:03	JD79009-2	1		X	X	X	X		X	X		X	X		X	X		X	X	X	X		X	
09:08	MA55273-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09:13	MA55273-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09:18	MP43820-MB1	1								X			X			X					X	X		
09:23	MP43820-B1	1								X			X			X					X	X		
09:28	MP43820-S1	1								X			X			X					X	X		
09:33	MP43820-S2	1								X			X			X					X	X		
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
09:38	JD78879-1	1																							(a)
09:43	MP43820-SD1	5											X								X				
09:48	ZZZZZZ	1																							
09:53	ZZZZZZ	1																							
09:58	ZZZZZZ	1																							
10:02	MA55273-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:07	MA55273-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:12	ZZZZZZ	1																							
10:17	ZZZZZZ	1																							
10:22	ZZZZZZ	1																							
10:27	ZZZZZZ	1																							
10:32	ZZZZZZ	1																							
10:37	ZZZZZZ	1																							
10:42	ZZZZZZ	1																							
10:47	ZZZZZZ	1																							
10:53	ZZZZZZ	1																							
10:58	ZZZZZZ	2																							
11:03	MA55273-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:07	MA55273-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:12	ZZZZZZ	1																							
11:17	ZZZZZZ	1																							
11:22	MP43819-S1	1				X			X	X		X	X		X	X		X			X	X		X	
11:27	ZZZZZZ	1																							
11:32	ZZZZZZ	1																							
11:37	MP43819-S2	1				X			X	X		X	X		X	X		X			X	X		X	
11:42	JD78987-2	1				X			X	X		X	X		X	X		X			X	X		X	(a)
11:47	MP43819-SD1	5				X			X	X		X	X		X	X		X			X	X		X	
11:51	ZZZZZZ	1																							
11:56	MA55273-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:01	MA55273-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:06	ZZZZZZ	1																							
12:11	ZZZZZZ	1																							
12:15	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
12:20	ZZZZZZ	1																						
12:25	ZZZZZZ	1																						
12:30	ZZZZZZ	1																						
12:34	ZZZZZZ	1																						
12:39	ZZZZZZ	1																						
12:44	ZZZZZZ	1																						
12:49	MA55273-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:54	MA55273-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:59	ZZZZZZ	1																						
13:03	ZZZZZZ	1																						
13:08	ZZZZZZ	1																						
13:13	ZZZZZZ	1																						
13:19	ZZZZZZ	1																						
13:24	ZZZZZZ	5																						
13:29	ZZZZZZ	5																						
13:33	ZZZZZZ	5																						
13:38	ZZZZZZ	5																						
13:43	MA55273-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:48	MA55273-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:53	ZZZZZZ	10																						
13:58	ZZZZZZ	10																						
14:03	ZZZZZZ	5																						
14:07	ZZZZZZ	2																						
14:12	MA55273-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:17	MA55273-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Element:			Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

(a) Sample used for QC only; not part of login JD79009.

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
06:40	MA55273-STD1	6830 R	175950 R	13707 R	13786 R
06:44	MA55273-STD2	6391	158450	13365	12984
06:50	MA55273-ICV1	6568	164130	13418	13132
06:56	MA55273-ICB1	6769	175520	13651	13700
07:02	MA55273-ICCV1	6521	161250	13279	13091
07:11	MA55273-CCB1	6697	171480	13271	13619
07:16	MA55273-CRI1	No results reported for the elements associated with this internal standard.			
07:21	MA55273-CRID1	6631	169800	13049	13493
07:26	MA55273-ICSA1	5996	145610	12269	11965
07:31	MA55273-ICSAB1	6241	151260	13290	12310
07:36	MA55273-HSTD1	6629	171070	14131	14236
07:42	MA55273-HSTD2	6298	154150	13308	12320
07:48	ZZZZZZ	No results reported for the elements associated with this internal standard.			
07:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
07:58	MA55273-CRI2	6857	174940	13838	13758
08:02	ZZZZZZ	No results reported for the elements associated with this internal standard.			
08:08	MA55273-CCV1	6624	166490	13422	13225
08:13	MA55273-CCB2	6872	176200	13830	13877
08:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
08:23	MP43810-MB1	6905	177020	13850	13873
08:27	MP43810-B1	6670	171340	13857	13386
08:32	MP43810-S1	6832	174700	14033	13504
08:38	MP43810-S2	6824	173920	14009	13507
08:43	JD79009-3	7029	179590	14255	13742
08:47	MP43810-SD1	6934	177470	13972	13804
08:52	ZZZZZZ	No results reported for the elements associated with this internal standard.			
08:52	MP43810-PS1	6835	173340	14088	13518
08:57	JD79009-1	7154	178330	14694	13747
09:03	JD79009-2	7191	177840	15023	13714
09:08	MA55273-CCV2	6635	163770	13508	13246
09:13	MA55273-CCB3	6880	177900	13816	13906
09:18	MP43820-MB1	6931	180830	13944	14118
09:23	MP43820-B1	6707	168960	13802	13531

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:28	MP43820-S1	6678	169490	13783	13361
09:33	MP43820-S2	6624	167210	13854	13263
09:38	JD78879-1	6782	171150	13940	13512
09:43	MP43820-SD1	6877	174980	13987	13818
09:48	ZZZZZZ	6812	172550	14053	13517
09:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
09:58	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:02	MA55273-CCV3	6586	163750	13475	13121
10:07	MA55273-CCB4	6816	176980	13540	13733
10:12	ZZZZZZ	6756	170470	13815	13477
10:17	ZZZZZZ	6713	169810	13640	13388
10:22	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:47	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:53	ZZZZZZ	No results reported for the elements associated with this internal standard.			
10:58	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:03	MA55273-CCV4	6703	166770	14139	13383
11:07	MA55273-CCB5	7040	181790	15036	14247
11:12	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:22	MP43819-S1	6759	169230	14900	13344
11:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:32	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:37	MP43819-S2	6700	170050	14723	13223
11:42	JD78987-2	6795	175590	14545	13415
11:47	MP43819-SD1	6938	180560	14677	13876
11:51	ZZZZZZ	6973	183300	14972	13985
11:56	MA55273-CCV5	6739	170580	14399	13357
12:01	MA55273-CCB6	6939	182220	14600	13937
12:06	ZZZZZZ	6748	174290	14506	13170

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55273
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:11	ZZZZZZ	6735	175120	14554	13137
12:15	ZZZZZZ	6839	177540	14630	13400
12:20	ZZZZZZ	6779	175880	14432	13321
12:25	ZZZZZZ	7027	182690	14850	13703
12:30	ZZZZZZ	6674	171660	14305	12999
12:34	ZZZZZZ	6930	183040	14534	13868
12:39	ZZZZZZ	6729	172300	14375	13147
12:44	ZZZZZZ	6690	172230	14262	13033
12:49	MA55273-CCV6	6641	168780	14072	13189
12:54	MA55273-CCB7	6918	182590	14494	13873
12:59	ZZZZZZ	6887	181650	14371	13803
13:03	ZZZZZZ	No results reported for the elements associated with this internal standard.			
13:08	ZZZZZZ	7053	177710	15371	12784
13:13	ZZZZZZ	6747	170380	14821	12626
13:19	ZZZZZZ	7307	185720	16124	12907
13:24	ZZZZZZ	6902	176990	14558	13310
13:29	ZZZZZZ	6846	176670	14472	13272
13:33	ZZZZZZ	6993	179170	14790	13437
13:38	ZZZZZZ	6846	176500	14590	13136
13:43	MA55273-CCV7	6689	170240	14112	13231
13:48	MA55273-CCB8	6909	182130	14253	13827
13:53	ZZZZZZ	6629	168620	13903	12845
13:58	ZZZZZZ	6609	168980	14072	12815
14:03	ZZZZZZ	6967	180050	14475	13301
14:07	ZZZZZZ	6788	175010	14171	13342
14:12	MA55273-CCV8	6665	168830	14070	13203
14:17	MA55273-CCB9	6957	182280	14365	13926

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55273 Units: ug/l

Time: / Sample ID:			06:56 ICB1		07:11 CCB1		08:13 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	21.2	<200	-15.4	<200	25.5	<200	19.1	<200
Antimony	6.0	2.2	0.300	<6.0	-0.800	<6.0	-1.10	<6.0	-0.900	<6.0
Arsenic	3.0	1.3	-0.800	<3.0	-1.00	<3.0	-0.700	<3.0	-0.500	<3.0
Barium	200	1	0.200	<200	0.500	<200	-0.200	<200	-0.100	<200
Beryllium	1.0	.2	0.100	<1.0	0.00	<1.0	0.00	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.200	<3.0	-0.200	<3.0	0.00	<3.0	-0.100	<3.0
Calcium	5000	7.7	2.60	<5000	-0.900	<5000	5.90	<5000	3.50	<5000
Cerium	100									
Chromium	10	.5	-0.100	<10	-0.300	<10	0.200	<10	-0.200	<10
Cobalt	50	.4	0.00	<50	-0.300	<50	0.00	<50	0.00	<50
Copper	10	6.8	-0.100	<10	-0.400	<10	0.900	<10	1.20	<10
Iron	100	15	-0.100	<100	-0.400	<100	-1.10	<100	-0.400	<100
Lead	3.0	1.6	0.00	<3.0	-0.200	<3.0	-0.800	<3.0	-0.400	<3.0
Lithium	50	3.7								
Magnesium	5000	54	10.4	<5000	13.0	<5000	3.60	<5000	2.60	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.5								
Nickel	10	.3	-0.500	<10	-0.200	<10	-0.700	<10	-0.500	<10
Phosphorus	50	1.8								
Potassium	10000	77	-13.4	<10000	-58.2	<10000	62.1	<10000	106	<10000
Selenium	10	2	-0.100	<10	0.700	<10	0.100	<10	-1.10	<10
Silicon	200	1.3								
Silver	10	.9	0.200	<10	-0.600	<10	1.10	<10	1.30	<10
Sodium	10000	23	0.900	<10000	-11.8	<10000	0.500	<10000	-13.3	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	0.300	<10	0.500	<10	-0.400	<10	-0.600	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.200	<50	-0.100	<50	0.00	<50	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55273 Units: ug/l

Time: / Sample ID:			06:56 ICB1		07:11 CCB1		08:13 CCB2		09:13 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.200	<20	-0.400	<20	-0.400	<20	-0.400	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55273 Units: ug/l

Time:		07:02	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39900	99.8
Antimony	2000	1990	99.5
Arsenic	2000	2000	100.0
Barium	2000	2020	101.0
Beryllium	2000	2030	101.5
Bismuth			
Boron			
Cadmium	2000	2030	101.5
Calcium	40000	40300	100.8
Cerium			
Chromium	2000	2020	101.0
Cobalt	2000	2030	101.5
Copper	2000	1980	99.0
Iron	40000	40200	100.5
Lead	2000	2040	102.0
Lithium			
Magnesium	40000	40400	101.0
Manganese	2000	2020	101.0
Molybdenum			
Nickel	2000	2040	102.0
Phosphorus			
Potassium	40000	40100	100.3
Selenium	2000	2000	100.0
Silicon			
Silver	250	246	98.4
Sodium	40000	40200	100.5
Strontium			
Sulfur			
Thallium	2000	2090	104.5
Tin			
Titanium			
Tungsten			
Vanadium	2000	2020	101.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55273 Units: ug/l

Time:		07:02	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2040	102.0
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55273 Units: ug/l

Time:		06:50			08:08			09:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39000	97.5	40000	39900	99.8	40000	40100	100.3
Antimony	2000	1950	97.5	2000	2000	100.0	2000	2000	100.0
Arsenic	2000	1960	98.0	2000	1980	99.0	2000	1980	99.0
Barium	2000	1970	98.5	2000	2040	102.0	2000	2060	103.0
Beryllium	2000	2010	100.5	2000	2050	102.5	2000	2050	102.5
Bismuth									
Boron									
Cadmium	2000	1980	99.0	2000	2040	102.0	2000	2060	103.0
Calcium	40000	39500	98.8	40000	40200	100.5	40000	40300	100.8
Cerium									
Chromium	2000	1960	98.0	2000	1970	98.5	2000	2020	101.0
Cobalt	2000	2000	100.0	2000	2020	101.0	2000	2020	101.0
Copper	2000	1960	98.0	2000	1970	98.5	2000	2020	101.0
Iron	40000	39500	98.8	40000	40800	102.0	40000	41100	102.8
Lead	2000	2000	100.0	2000	2030	101.5	2000	2040	102.0
Lithium									
Magnesium	40000	39300	98.3	40000	40700	101.8	40000	40900	102.3
Manganese	2000	1970	98.5	2000	2020	101.0	2000	2060	103.0
Molybdenum									
Nickel	2000	2020	101.0	2000	2010	100.5	2000	2010	100.5
Phosphorus									
Potassium	40000	39100	97.8	40000	40200	100.5	40000	40500	101.3
Selenium	2000	1980	99.0	2000	1980	99.0	2000	1990	99.5
Silicon									
Silver	250	243	97.2	250	247	98.8	250	252	100.8
Sodium	40000	39300	98.3	40000	40100	100.3	40000	40300	100.8
Strontium									
Sulfur									
Thallium	2000	2050	102.5	2000	2090	104.5	2000	2090	104.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1960	98.0	2000	1980	99.0	2000	2040	102.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55273 Units: ug/l

Time:		06:50			08:08			09:08	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2000	100.0	2000	2020	101.0	2000	2030	101.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55273 Units: ug/l

Time:		07:36			07:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	295000	98.3
Antimony	8000	7990	99.9			
Arsenic	8000	7840	98.0			
Barium	8000	7740	96.8			
Beryllium	8000	7840	98.0			
Bismuth						
Boron						
Cadmium	8000	7780	97.3			
Calcium				200000	196000	98.0
Cerium						
Chromium	8000	7970	99.6			
Cobalt	8000	7860	98.3			
Copper	8000	7820	97.8			
Iron				200000	198000	99.0
Lead	8000	8000	100.0			
Lithium						
Magnesium				300000	288000	96.0
Manganese	8000	7930	99.1			
Molybdenum						
Nickel	8000	7840	98.0			
Phosphorus						
Potassium				200000	193000	96.5
Selenium	8000	7930	99.1			
Silicon						
Silver	625	627	100.3			
Sodium				200000	189000	94.5
Strontium						
Sulfur						
Thallium	8000	8100	101.3			
Tin						
Titanium						
Tungsten						
Vanadium	8000	7940	99.3			

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55273 Units: ug/l

Time:		07:36			07:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8200	102.5			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55273 Units: ug/l

Time:				07:21		07:58	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100			211	105.5
Antimony	6.0	20	3.0			4.80	80.0
Arsenic	8.0	20	3.0	2.70	90.0	7.90	98.8
Barium	200		4.0	4.40	110.0	202	101.0
Beryllium	2.0		1.0	1.00	100.0	2.10	105.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	0.800	80.0	3.10	103.3
Calcium	5000	2000	1000	983	98.3	4920	98.4
Cerium							
Chromium	10		2.0			10.0	100.0
Cobalt	50		3.0	2.80	93.3	51.1	102.2
Copper	10		2.0			10.1	101.0
Iron	100	500				104	104.0
Lead	3.0	20	2.5			2.90	96.7
Lithium	50						
Magnesium	5000	2000	100	113	113.0	5120	102.4
Manganese	15		3.0	3.10	103.3	15.4	102.7
Molybdenum	20						
Nickel	10		4.0	4.10	102.5	9.60	96.0
Phosphorus	50						
Potassium	5000		2000	1850	92.5	4980	99.6
Selenium	10	20	5.0	5.40	108.0	9.00	90.0
Silicon	200						
Silver	5.0		2.0			5.80	116.0
Sodium	5000		1000	958	95.8	5000	100.0
Strontium	10						
Sulfur	50						
Thallium	10		2.0			9.80	98.0
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	2.20	110.0	48.4	96.8

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55273 Units: ug/l

Time:				07:21		07:58	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	10.1	101.0	21.8	109.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55273 Units: ug/l

Time:			07:26		07:31	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	480000	96.0	486000	97.2
Antimony		1000	0.300		992	99.2
Arsenic		1000	-0.700		982	98.2
Barium		500	-1.90		503	100.6
Beryllium		500	-0.400		499	99.8
Bismuth		500	-6.50		490	98.0
Boron		500	9.60		512	102.4
Cadmium		1000	-1.00		1050	105.0
Calcium	400000	400000	384000	96.0	370000	92.5
Cerium			45.7		35.4	
Chromium		500	-1.00		466	93.2
Cobalt		500	-0.300		471	94.2
Copper		500	-4.30		512	102.4
Iron	200000	200000	184000	92.0	189000	94.5
Lead		1000	2.10		934	93.4
Lithium		500	12.0		541	108.2
Magnesium	500000	500000	470000	94.0	477000	95.4
Manganese		500	-2.30		502	100.4
Molybdenum		500	-2.50		465	93.0
Nickel		1000	5.20		927	92.7
Phosphorus		500	5.60		485	97.0
Potassium			-144		48.2	
Selenium		1000	5.00		979	97.9
Silicon		500	13.5		521	104.2
Silver		1000	0.400		1010	101.0
Sodium			-101		-33.8	
Strontium		500	6.30		503	100.6
Sulfur		500	16.7		491	98.2
Thallium		1000	7.00		973	97.3
Tin		500	6.30		480	96.0
Titanium		500	6.00		499	99.8
Tungsten		500	5.60		466	93.2
Vanadium		500	3.40		492	98.4

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55273 Units: ug/l

Time:			07:26		07:31	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	-0.800		945	94.5
Zirconium		500	-2.10		472	94.4

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:57	MA55275-STD1	1		STDA
13:02	MA55275-STD2	1		STDB
13:07	MA55275-ICV1	1		
13:13	MA55275-ICB1	1		
13:18	MA55275-ICCV1	1		
13:29	MA55275-CCB1	1		
13:33	MA55275-CRI1	1		
13:38	MA55275-CRID1	1		
13:43	MA55275-ICSA1	1		
13:48	MA55275-ICSAB1	1		
13:53	MA55275-HSTD1	1		
13:59	MA55275-HSTD2	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	MA55275-CCV1	1		
14:24	MA55275-CCB2	1		
14:29	MP43788-MB1	1		Zn RL raised 3x
14:34	MP43788-B1	1		
14:39	MP43788-S1	1		
14:43	MP43788-S2	1		
14:48	JD78643-18	1		(sample used for QC only; not part of login JD79009)
14:53	MP43788-SD1	5		
14:58	MP43788-PS1	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	MA55275-CCV2	1		
15:18	MA55275-CCB3	1		
15:23	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:07	MA55275-CCV3	1		
16:12	MA55275-CCB4	1		
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	2		
16:32	ZZZZZZ	2		
16:37	ZZZZZZ	1		
16:42	MP43845-MB1	1		
16:47	MP43845-LB1	1		
16:52	MP43845-B1	1		
16:57	MP43845-LS1	1		
17:02	MP43845-S1	1		
17:07	MA55275-CCV4	1		
17:11	MA55275-CCB5	1		
17:17	MP43845-S2	1		
17:22	JD78782-1	1		(sample used for QC only; not part of login JD79009)
17:27	MP43845-SD1	5		
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:43	MA55275-CRI2	1		
17:48	MA55275-CRID2	1		
17:53	MA55275-ICSA2	1		
17:58	MA55275-ICSAB2	1		
18:03	MA55275-CCV5	1		
18:08	MA55275-CCB6	1		
18:13	MP43808-MB1	1		
18:18	MP43808-B1	1		Batch to reprep/reanalysis due BSP low for all required elements
18:23	MP43808-S1	1		
18:27	MP43808-S2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:32	JD78930-3	1		(sample used for QC only; not part of login JD79009)
18:37	MP43808-SD1	5		
18:42	ZZZZZZ	1		
18:47	ZZZZZZ	1		
18:52	ZZZZZZ	1		
18:57	MA55275-CCV6	1		
19:02	MA55275-CCB7	1		
19:07	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:18	ZZZZZZ	1		
19:23	ZZZZZZ	1		
19:28	ZZZZZZ	1		
19:33	ZZZZZZ	1		
19:38	MA55275-CCV7	1		
19:43	MA55275-CCB8	1		
19:48	ZZZZZZ	1		
19:53	ZZZZZZ	1		
19:58	ZZZZZZ	1		
20:03	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:29	ZZZZZZ	1		
20:34	ZZZZZZ	1		
20:39	MA55275-CCV8	1		
20:44	MA55275-CCB9	1		
20:49	ZZZZZZ	1		
20:54	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:09	ZZZZZZ	1		
21:14	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:19	ZZZZZZ	1		
21:24	MP43765-B2	1		
21:29	MP43765-MB2	1		
21:34	MP43765-S1	1		
21:39	MA55275-CCV9	1		
21:44	MA55275-CCB10	1		
21:49	MP43765-S2	1		
21:53	JD78718-11	1		(sample used for QC only; not part of login JD79009)
21:59	MP43765-SD1	5		
22:04	MP43765-PS1	1		Rerun for S
22:08	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:19	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:34	MA55275-CCV10	1		
22:39	MA55275-CCB11	1		
22:44	ZZZZZZ	1		
22:49	ZZZZZZ	1		
22:54	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:04	ZZZZZZ	1		
23:09	ZZZZZZ	1		
23:14	MP43817-MB1	1		
23:19	MP43817-B1	1		
23:24	MP43817-S1	1		
23:29	MP43817-S2	1		
23:34	MA55275-CCV11	1		
23:39	MA55275-CCB12	1		
23:44	JD78115-1	1		(sample used for QC only; not part of login JD79009)
23:49	MP43817-SD1	5		
23:54	ZZZZZZ	1		
23:59	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
00:14	ZZZZZZ	1		
00:19	ZZZZZZ	1		
00:24	ZZZZZZ	1		
00:29	ZZZZZZ	1		
00:34	MA55275-CCV12	1		
00:39	MA55275-CCB13	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:09	ZZZZZZ	1		
01:14	ZZZZZZ	1		
01:20	ZZZZZZ	1		
01:25	ZZZZZZ	1		
01:30	ZZZZZZ	1		
01:35	MA55275-CCV13	1		
01:40	MA55275-CCB14	1		
01:45	ZZZZZZ	1		
01:50	ZZZZZZ	1		
01:55	ZZZZZZ	1		
02:00	ZZZZZZ	1		
02:05	ZZZZZZ	1		
02:10	ZZZZZZ	1		
02:15	ZZZZZZ	1		
02:20	ZZZZZZ	1		
02:26	ZZZZZZ	1		
02:31	ZZZZZZ	1		
02:36	MA55275-CCV14	1		
02:41	MA55275-CCB15	1		
02:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:51	ZZZZZZ	1		
02:56	ZZZZZZ	1		
03:01	ZZZZZZ	1		
03:06	ZZZZZZ	1		
03:11	MA55275-CCV15	1		
03:16	MA55275-CCB16	1		
03:21	MP43776-MB1	1		
03:26	MP43776-B1	1		Batch to reanalaysis/ reprep due to BSP fail for all elements required
03:31	MP43776-S1	1		
03:36	MP43776-S2	1		
03:41	JD78806-2	1		(sample used for QC only; not part of login JD79009)
03:46	MP43776-SD1	5		
03:51	MP43776-LC1	1		
03:56	MP43776-LC2	1		
04:01	ZZZZZZ	1		
04:06	ZZZZZZ	1		
04:11	MA55275-CCV16	1		
04:16	MA55275-CCB17	1		
04:21	ZZZZZZ	1		
04:26	ZZZZZZ	1		
04:31	ZZZZZZ	1		
04:36	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:46	ZZZZZZ	1		
04:51	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:11	MA55275-CCV17	1		
05:16	MA55275-CCB18	1		
05:21	ZZZZZZ	1		
05:26	ZZZZZZ	1		
05:31	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:36	ZZZZZZ	2		
05:41	ZZZZZZ	1		
05:46	ZZZZZZ	1		
05:52	JD79009-1	2		
---------->	Last reportable sample/prep for job JD79009			
05:57	ZZZZZZ	1		
06:02	MP43836-B1	1		
06:07	MA55275-CCV18	1		
06:11	MA55275-CCB19	1		
---------->	Last reportable CCB for job JD79009			
06:17	MP43836-MB1	1		
06:22	MP43836-S1	1		
06:27	MP43836-S2	1		
06:31	JD78997-1	1		(sample used for QC only; not part of login JD79009)
06:37	MP43836-SD1	5		
06:42	ZZZZZZ	10		
06:47	ZZZZZZ	10		
06:52	MP43836-PS1	1		Rerun for Si
06:57	ZZZZZZ	1		
07:02	MA55275-CCV19	1		
07:07	MA55275-CCB20	1		
07:12	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:27	ZZZZZZ	1		
07:32	ZZZZZZ	1		
07:37	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:47	ZZZZZZ	1		
07:52	ZZZZZZ	1		
07:57	MA55275-CCV20	1		
08:02	MA55275-CCB21	1		
08:07	ZZZZZZ	1		
08:12	ZZZZZZ	1		
08:17	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:23	ZZZZZZ	1		
08:28	ZZZZZZ	1		
08:33	ZZZZZZ	1		
08:38	ZZZZZZ	1		
08:43	MP43817-PS1	1		
08:48	ZZZZZZ	1		
08:53	MA55275-CCV21	1		
08:58	MA55275-CCB22	1		
09:03	ZZZZZZ	1		
09:08	MP43858-B1	1		
09:13	MP43858-MB1	1		
09:18	MP43858-S1	1		
09:23	MP43858-S2	1		
09:28	JD79175-5	1		(sample used for QC only; not part of login JD79009)
09:33	MP43858-SD1	5		
09:38	MP43858-PS1	1		
09:43	JD79175-5	1		(sample used for QC only; not part of login JD79009)
09:43	ZZZZZZ	1		
09:47	MA55275-CCV22	1		
09:53	MA55275-CCB23	1		
09:58	ZZZZZZ	5		
10:03	ZZZZZZ	2		
10:08	ZZZZZZ	5		
10:13	ZZZZZZ	1		
10:18	ZZZZZZ	5		
10:23	ZZZZZZ	5		
10:27	ZZZZZZ	5		
10:32	ZZZZZZ	2		
10:37	ZZZZZZ	5		
10:42	MA55275-CCV23	1		
10:47	MA55275-CCB24	1		
10:52	ZZZZZZ	2		
10:57	ZZZZZZ	2		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Dilution Factor	PS Recov	Comments
11:03	ZZZZZZ	5		
11:08	ZZZZZZ	10		
11:12	ZZZZZZ	2		
11:17	MP43836-S1	2		
11:22	MP43836-S2	2		
11:27	ZZZZZZ	5		
11:32	MA55275-CCV24	1		
11:37	MA55275-CCB25	1		
11:42	ZZZZZZ	5		
11:47	ZZZZZZ	5		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	5		
12:02	ZZZZZZ	5		
12:07	ZZZZZZ	2		
12:12	ZZZZZZ	5		
12:17	MA55275-CCV25	1		
12:22	MA55275-CCB26	1		
12:27	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag	
13:07	MA55275-ICV1	1	X	
13:13	MA55275-ICB1	1	X	
13:18	MA55275-ICCV1	1	X	
13:29	MA55275-CCB1	1	X	
13:33	MA55275-CRI1	1	X	
13:38	MA55275-CRID1	1	X	
13:43	MA55275-ICSA1	1	X	
13:48	MA55275-ICSAB1	1	X	
13:53	MA55275-HSTD1	1	X	
13:59	MA55275-HSTD2	1		
14:04	ZZZZZZ	1		
14:09	ZZZZZZ	1		
14:14	ZZZZZZ	1		
14:19	MA55275-CCV1	1	X	
14:24	MA55275-CCB2	1	X	
14:29	MP43788-MB1	1	X	
14:34	MP43788-B1	1	X	
14:39	MP43788-S1	1	X	
14:43	MP43788-S2	1	X	
14:48	JD78643-18	1	X	(a)
14:53	MP43788-SD1	5	X	
14:58	MP43788-PS1	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	MA55275-CCV2	1	X	
15:18	MA55275-CCB3	1	X	
15:23	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:53	ZZZZZZ	1		
		Element:	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag	
15:58	ZZZZZZ	1		
16:02	ZZZZZZ	1		
16:07	MA55275-CCV3	1	X	
16:12	MA55275-CCB4	1	X	
16:17	ZZZZZZ	1		
16:22	ZZZZZZ	1		
16:27	ZZZZZZ	2		
16:32	ZZZZZZ	2		
16:37	ZZZZZZ	1		
16:42	MP43845-MB1	1	X	
16:47	MP43845-LB1	1		
16:52	MP43845-B1	1	X	
16:57	MP43845-LS1	1	X	
17:02	MP43845-S1	1	X	
17:07	MA55275-CCV4	1	X	
17:11	MA55275-CCB5	1	X	
17:17	MP43845-S2	1	X	
17:22	JD78782-1	1	X	(a)
17:27	MP43845-SD1	5	X	
17:32	ZZZZZZ	1		
17:37	ZZZZZZ	1		
17:43	MA55275-CRI2	1	X	
17:48	MA55275-CRID2	1	X	
17:53	MA55275-ICSA2	1	X	
17:58	MA55275-ICSAB2	1	X	
18:03	MA55275-CCV5	1	X	
18:08	MA55275-CCB6	1	X	
18:13	MP43808-MB1	1		
18:18	MP43808-B1	1		
18:23	MP43808-S1	1		
18:27	MP43808-S2	1		
18:32	JD78930-3	1		(a)
18:37	MP43808-SD1	5		
		Element:	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag
18:42	ZZZZZZ	1	
18:47	ZZZZZZ	1	
18:52	ZZZZZZ	1	
18:57	MA55275-CCV6	1	X
19:02	MA55275-CCB7	1	X
19:07	ZZZZZZ	1	
19:13	ZZZZZZ	1	
19:18	ZZZZZZ	1	
19:23	ZZZZZZ	1	
19:28	ZZZZZZ	1	
19:33	ZZZZZZ	1	
19:38	MA55275-CCV7	1	X
19:43	MA55275-CCB8	1	X
19:48	ZZZZZZ	1	
19:53	ZZZZZZ	1	
19:58	ZZZZZZ	1	
20:03	ZZZZZZ	1	
20:09	ZZZZZZ	1	
20:14	ZZZZZZ	1	
20:19	ZZZZZZ	1	
20:24	ZZZZZZ	1	
20:29	ZZZZZZ	1	
20:34	ZZZZZZ	1	
20:39	MA55275-CCV8	1	X
20:44	MA55275-CCB9	1	X
20:49	ZZZZZZ	1	
20:54	ZZZZZZ	1	
20:59	ZZZZZZ	1	
21:04	ZZZZZZ	1	
21:09	ZZZZZZ	1	
21:14	ZZZZZZ	1	
21:19	ZZZZZZ	1	
21:24	MP43765-B2	1	
		Element:	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag	
21:29	MP43765-MB2	1		
21:34	MP43765-S1	1		
21:39	MA55275-CCV9	1	X	
21:44	MA55275-CCB10	1	X	
21:49	MP43765-S2	1		
21:53	JD78718-11	1		(a)
21:59	MP43765-SD1	5		
22:04	MP43765-PS1	1		
22:08	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:19	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:29	ZZZZZZ	1		
22:34	MA55275-CCV10	1	X	
22:39	MA55275-CCB11	1	X	
22:44	ZZZZZZ	1		
22:49	ZZZZZZ	1		
22:54	ZZZZZZ	1		
22:59	ZZZZZZ	1		
23:04	ZZZZZZ	1		
23:09	ZZZZZZ	1		
23:14	MP43817-MB1	1	X	
23:19	MP43817-B1	1	X	
23:24	MP43817-S1	1	X	
23:29	MP43817-S2	1	X	
23:34	MA55275-CCV11	1	X	
23:39	MA55275-CCB12	1	X	
23:44	JD78115-1	1		(a)
23:49	MP43817-SD1	5	X	
23:54	ZZZZZZ	1		
23:59	ZZZZZZ	1		
00:04	ZZZZZZ	1		
00:09	ZZZZZZ	1		
		Element:	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag
00:14	ZZZZZZ	1	
00:19	ZZZZZZ	1	
00:24	ZZZZZZ	1	
00:29	ZZZZZZ	1	
00:34	MA55275-CCV12	1	X
00:39	MA55275-CCB13	1	X
00:44	ZZZZZZ	1	
00:49	ZZZZZZ	1	
00:54	ZZZZZZ	1	
00:59	ZZZZZZ	1	
01:05	ZZZZZZ	1	
01:09	ZZZZZZ	1	
01:14	ZZZZZZ	1	
01:20	ZZZZZZ	1	
01:25	ZZZZZZ	1	
01:30	ZZZZZZ	1	
01:35	MA55275-CCV13	1	X
01:40	MA55275-CCB14	1	X
01:45	ZZZZZZ	1	
01:50	ZZZZZZ	1	
01:55	ZZZZZZ	1	
02:00	ZZZZZZ	1	
02:05	ZZZZZZ	1	
02:10	ZZZZZZ	1	
02:15	ZZZZZZ	1	
02:20	ZZZZZZ	1	
02:26	ZZZZZZ	1	
02:31	ZZZZZZ	1	
02:36	MA55275-CCV14	1	X
02:41	MA55275-CCB15	1	X
02:46	ZZZZZZ	1	
02:51	ZZZZZZ	1	
02:56	ZZZZZZ	1	
		Element:	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag	
03:01	ZZZZZZ	1		
03:06	ZZZZZZ	1		
03:11	MA55275-CCV15	1	X	
03:16	MA55275-CCB16	1	X	
03:21	MP43776-MB1	1		
03:26	MP43776-B1	1		
03:31	MP43776-S1	1		
03:36	MP43776-S2	1		
03:41	JD78806-2	1		(a)
03:46	MP43776-SD1	5		
03:51	MP43776-LC1	1		
03:56	MP43776-LC2	1		
04:01	ZZZZZZ	1		
04:06	ZZZZZZ	1		
04:11	MA55275-CCV16	1	X	
04:16	MA55275-CCB17	1	X	
04:21	ZZZZZZ	1		
04:26	ZZZZZZ	1		
04:31	ZZZZZZ	1		
04:36	ZZZZZZ	1		
04:41	ZZZZZZ	1		
04:46	ZZZZZZ	1		
04:51	ZZZZZZ	1		
04:56	ZZZZZZ	1		
05:01	ZZZZZZ	1		
05:06	ZZZZZZ	1		
05:11	MA55275-CCV17	1	X	
05:16	MA55275-CCB18	1	X	
05:21	ZZZZZZ	1		
05:26	ZZZZZZ	1		
05:31	ZZZZZZ	1		
05:36	ZZZZZZ	2		
05:41	ZZZZZZ	1		
		Element:	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag	
05:46	ZZZZZZ	1		
05:52	JD79009-1	2	X	
05:57	ZZZZZZ	1		
06:02	MP43836-B1	1	X	
06:07	MA55275-CCV18	1	X	
06:11	MA55275-CCB19	1	X	
06:17	MP43836-MB1	1	X	
06:22	MP43836-S1	1	X	
06:27	MP43836-S2	1	X	
06:31	JD78997-1	1	X	(a)
06:37	MP43836-SD1	5	X	
06:42	ZZZZZZ	10		
06:47	ZZZZZZ	10		
06:52	MP43836-PS1	1		
06:57	ZZZZZZ	1		
07:02	MA55275-CCV19	1	X	
07:07	MA55275-CCB20	1	X	
07:12	ZZZZZZ	1		
07:17	ZZZZZZ	1		
07:22	ZZZZZZ	1		
07:27	ZZZZZZ	1		
07:32	ZZZZZZ	1		
07:37	ZZZZZZ	1		
07:42	ZZZZZZ	1		
07:47	ZZZZZZ	1		
07:52	ZZZZZZ	1		
07:57	MA55275-CCV20	1	X	
08:02	MA55275-CCB21	1	X	
08:07	ZZZZZZ	1		
08:12	ZZZZZZ	1		
08:17	ZZZZZZ	1		
08:23	ZZZZZZ	1		
08:28	ZZZZZZ	1		
		Element:	Ag	

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	Ag
08:33	ZZZZZZ	1	
08:38	ZZZZZZ	1	
08:43	MP43817-PS1	1	
08:48	ZZZZZZ	1	
08:53	MA55275-CCV21	1	X
08:58	MA55275-CCB22	1	X
09:03	ZZZZZZ	1	
09:08	MP43858-B1	1	X
09:13	MP43858-MB1	1	X
09:18	MP43858-S1	1	X
09:23	MP43858-S2	1	X
09:28	JD79175-5	1	X (a)
09:33	MP43858-SD1	5	X
09:38	MP43858-PS1	1	
09:43	JD79175-5	1	this is jd79175-4
09:43	ZZZZZZ	1	
09:47	MA55275-CCV22	1	X
09:53	MA55275-CCB23	1	X
09:58	ZZZZZZ	5	
10:03	ZZZZZZ	2	
10:08	ZZZZZZ	5	
10:13	ZZZZZZ	1	
10:18	ZZZZZZ	5	
10:23	ZZZZZZ	5	
10:27	ZZZZZZ	5	
10:32	ZZZZZZ	2	
10:37	ZZZZZZ	5	
10:42	MA55275-CCV23	1	X
10:47	MA55275-CCB24	1	X
10:52	ZZZZZZ	2	
10:57	ZZZZZZ	2	
11:03	ZZZZZZ	5	
11:08	ZZZZZZ	10	
		Element:	Ag

REPORTED ELEMENTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Element: Dilution	A g
11:12	ZZZZZZ	2	
11:17	MP43836-S1	2	
11:22	MP43836-S2	2	
11:27	ZZZZZZ	5	
11:32	MA55275-CCV24	1	X
11:37	MA55275-CCB25	1	X
11:42	ZZZZZZ	5	
11:47	ZZZZZZ	5	
11:52	ZZZZZZ	5	
11:57	ZZZZZZ	5	
12:02	ZZZZZZ	5	
12:07	ZZZZZZ	2	
12:12	ZZZZZZ	5	
12:17	MA55275-CCV25	1	X
12:22	MA55275-CCB26	1	X
12:27	ZZZZZZ	1	

(a) Sample used for QC only; not part of login JD79009.

	Element:	A g

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:57	MA55275-STD1	8016 R	154290 R	11627 R	14020 R
13:02	MA55275-STD2	7524	142800	11599	12244
13:07	MA55275-ICV1	7726	144730	11576	12684
13:13	MA55275-ICB1	7927	152710	11533	13807
13:18	MA55275-ICCV1	7711	145260	11647	12640
13:29	MA55275-CCB1	7936	153410	11532	13845
13:33	MA55275-CRI1	7888	152840	11607	13593
13:38	MA55275-CRID1	7948	154110	11591	13781
13:43	MA55275-ICSA1	7133	133470	11541	11388
13:48	MA55275-ICSAB1	7065	131550	11488	11316
13:53	MA55275-HSTD1	7795	150090	11917	13504
13:59	MA55275-HSTD2	7201	135890	11441	11360
14:04	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:09	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:14	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:19	MA55275-CCV1	7762	146670	11688	12729
14:24	MA55275-CCB2	7948	154700	11740	13835
14:29	MP43788-MB1	8109	156570	11907	14130
14:34	MP43788-B1	7875	150390	11939	13100
14:39	MP43788-S1	8001	151690	12312	12904
14:43	MP43788-S2	8015	152280	12313	12945
14:48	JD78643-18	8247	157220	12331	13552
14:53	MP43788-SD1	8072	153780	11913	13742
14:58	MP43788-PS1	8037	152320	12291	13004
15:03	ZZZZZZ	8173	153480	12477	13276
15:08	ZZZZZZ	8166	153440	12493	13136
15:13	MA55275-CCV2	7715	146520	11691	12650
15:18	MA55275-CCB3	7936	154640	11587	13811
15:23	ZZZZZZ	8146	152680	12455	13049
15:28	ZZZZZZ	8330	158180	12395	13584
15:33	ZZZZZZ	8316	158800	12521	13637
15:38	ZZZZZZ	8251	156620	12346	13560
15:43	ZZZZZZ	8022	152800	12040	13213

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:48	ZZZZZZ	8256	155230	12327	13575
15:53	ZZZZZZ	8329	158640	12325	13653
15:58	ZZZZZZ	8234	154510	12319	13236
16:02	ZZZZZZ	7896	149510	12455	12096
16:07	MA55275-CCV3	7779	147630	11761	12748
16:12	MA55275-CCB4	8002	154530	11748	13912
16:17	ZZZZZZ	8164	155090	12261	13371
16:22	ZZZZZZ	8407	157210	12575	13605
16:27	ZZZZZZ	8138	153870	12279	13395
16:32	ZZZZZZ	7900	148850	12001	12557
16:37	ZZZZZZ	8296	156680	12525	13398
16:42	MP43845-MB1	8083	155830	11776	14029
16:47	MP43845-LB1	7362	134990	11614	11421
16:52	MP43845-B1	8004	152910	12007	13237
16:57	MP43845-LS1	7485	140240	11973	11340
17:02	MP43845-S1	7491	138600	11934	11231
17:07	MA55275-CCV4	7963	150930	12125	12983
17:11	MA55275-CCB5	8202	158050	11839	14211
17:17	MP43845-S2	7501	140570	12056	11258
17:22	JD78782-1	7480	138780	11956	11288
17:27	MP43845-SD1	7946	149160	11935	12646
17:32	ZZZZZZ	7461	138770	11827	11291
17:37	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:43	MA55275-CRI2	8204	158720	12057	14063
17:48	MA55275-CRID2	8245	158300	11772	14241
17:53	MA55275-ICSA2	7296	135250	11674	11568
17:58	MA55275-ICSAB2	7199	133860	11591	11461
18:03	MA55275-CCV5	8008	150210	11734	13030
18:08	MA55275-CCB6	8280	159590	11916	14306
18:13	MP43808-MB1	8346	159370	12019	14395
18:18	MP43808-B1	8210	155850	12055	13553
18:23	MP43808-S1	8419	155320	12533	13378
18:27	MP43808-S2	8364	158140	12423	13301

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
18:32	JD78930-3	8637	160780	12579	14046
18:37	MP43808-SD1	8451	160060	12196	14211
18:42	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:47	ZZZZZZ	8046	151040	12284	12467
18:52	ZZZZZZ	7994	149470	12310	12347
18:57	MA55275-CCV6	8105	152760	11915	13116
19:02	MA55275-CCB7	8379	160240	12017	14432
19:07	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:13	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:18	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:23	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:28	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:33	ZZZZZZ	No results reported for the elements associated with this internal standard.			
19:38	MA55275-CCV7	8299	155070	12047	13395
19:43	MA55275-CCB8	8516	162240	12114	14623
19:48	ZZZZZZ	8147	152730	12581	12525
19:53	ZZZZZZ	8188	153470	12419	12773
19:58	ZZZZZZ	8078	150770	12327	12380
20:03	ZZZZZZ	8165	153000	12540	12630
20:09	ZZZZZZ	8713	162880	12599	14126
20:14	ZZZZZZ	8606	159150	12422	13907
20:19	ZZZZZZ	8654	161540	12709	14073
20:24	ZZZZZZ	8774	164890	12819	14032
20:29	ZZZZZZ	8730	161890	12970	13763
20:34	ZZZZZZ	8587	160260	12566	13712
20:39	MA55275-CCV8	8212	152810	11963	13247
20:44	MA55275-CCB9	8498	161720	11981	14578
20:49	ZZZZZZ	8652	162210	12825	13713
20:54	ZZZZZZ	8733	163350	12462	14366
20:59	ZZZZZZ	8944	165640	12832	14330
21:04	ZZZZZZ	8561	159400	12473	13866
21:09	ZZZZZZ	8731	161920	12633	14159
21:14	ZZZZZZ	8796	162760	12786	14223

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:19	ZZZZZZ	8742	162280	12546	14255
21:24	MP43765-B2	8444	158210	12232	13806
21:29	MP43765-MB2	8651	164340	12334	14825
21:34	MP43765-S1	8812	164390	13199	13402
21:39	MA55275-CCV9	8129	152830	11945	13122
21:44	MA55275-CCB10	8390	159340	11883	14398
21:49	MP43765-S2	8754	163810	13097	13128
21:53	JD78718-11	9013	167320	13118	13872
21:59	MP43765-SD1	8598	160840	12208	14214
22:04	MP43765-PS1	8921	164440	13103	13574
22:08	ZZZZZZ	8790	164020	12896	13779
22:13	ZZZZZZ	8470	156860	12788	13084
22:19	ZZZZZZ	8927	166830	13173	13722
22:24	ZZZZZZ	8772	164360	12949	13670
22:29	ZZZZZZ	8770	163560	12906	13987
22:34	MA55275-CCV10	8320	156470	12046	13399
22:39	MA55275-CCB11	8600	164500	12140	14734
22:44	ZZZZZZ	8698	161530	12699	14168
22:49	ZZZZZZ	8702	164190	12970	13606
22:54	ZZZZZZ	8821	163970	12734	14341
22:59	ZZZZZZ	8816	160400	12659	14578
23:04	ZZZZZZ	8186	155600	12761	14259
23:09	ZZZZZZ	8630	161310	12751	14064
23:14	MP43817-MB1	8743	164410	12328	14959
23:19	MP43817-B1	8505	160380	12272	13866
23:24	MP43817-S1	8654	159400	12917	13521
23:29	MP43817-S2	8749	161210	13023	13535
23:34	MA55275-CCV11	8358	156730	12088	13424
23:39	MA55275-CCB12	8586	163120	12146	14674
23:44	JD78115-1	8960	165140	13014	14234
23:49	MP43817-SD1	8706	162060	12348	14475
23:54	ZZZZZZ	8857	162570	12845	14031
23:59	ZZZZZZ	9037	165310	13170	14274

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
00:04	ZZZZZZ	8850	163540	12836	14191
00:09	ZZZZZZ	9016	163610	13018	14245
00:14	ZZZZZZ	8981	163440	13205	14164
00:19	ZZZZZZ	8767	164040	12857	13728
00:24	ZZZZZZ	8780	163740	12753	13805
00:29	ZZZZZZ	8665	161710	12736	13464
00:34	MA55275-CCV12	8324	156090	12094	13363
00:39	MA55275-CCB13	8581	160500	12097	14667
00:44	ZZZZZZ	8545	159090	12707	13216
00:49	ZZZZZZ	8618	159090	13073	12892
00:54	ZZZZZZ	8548	157990	12777	13197
00:59	ZZZZZZ	8232	152180	12702	12489
01:05	ZZZZZZ	9161	167320	13320	13881
01:09	ZZZZZZ	8546	159810	12499	13556
01:14	ZZZZZZ	8724	165770	12925	13365
01:20	ZZZZZZ	8792	175490	12676	14338
01:25	ZZZZZZ	8892	162900	13203	13338
01:30	ZZZZZZ	8673	158860	12755	13640
01:35	MA55275-CCV13	8307	154870	12097	13418
01:40	MA55275-CCB14	8616	162290	12196	14792
01:45	ZZZZZZ	7793	142820	11988	11837
01:50	ZZZZZZ	7814	143050	11930	11931
01:55	ZZZZZZ	7436	138680	11798	11290
02:00	ZZZZZZ	7610	141480	11892	11490
02:05	ZZZZZZ	8002	146180	12342	12025
02:10	ZZZZZZ	7612	141100	11932	11476
02:15	ZZZZZZ	8129	148310	12340	12309
02:20	ZZZZZZ	7630	141850	12060	11498
02:26	ZZZZZZ	7540	140110	11927	11364
02:31	ZZZZZZ	7955	144330	12152	12028
02:36	MA55275-CCV14	8245	155940	12219	13303
02:41	MA55275-CCB15	8545	164650	12069	14660
02:46	ZZZZZZ	7999	145510	12200	12106

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
02:51	ZZZZZZ	8016	147460	12339	12126
02:56	ZZZZZZ	8018	146070	12204	12109
03:01	ZZZZZZ	7971	144840	12189	12038
03:06	ZZZZZZ	7927	145220	12209	11964
03:11	MA55275-CCV15	8341	157810	12203	13419
03:16	MA55275-CCB16	8566	162920	12008	14662
03:21	MP43776-MB1	8680	163520	12252	14825
03:26	MP43776-B1	8430	159700	12152	13770
03:31	MP43776-S1	8516	154800	12435	13575
03:36	MP43776-S2	8510	159590	12428	13573
03:41	JD78806-2	8701	161830	12485	14049
03:46	MP43776-SD1	8689	163290	12270	14422
03:51	MP43776-LC1	8907	166720	12744	14315
03:56	MP43776-LC2	8936	167310	12920	14288
04:01	ZZZZZZ	8648	162410	12581	13922
04:06	ZZZZZZ	8772	162900	12681	14078
04:11	MA55275-CCV16	8366	156430	12100	13435
04:16	MA55275-CCB17	8614	164480	12139	14725
04:21	ZZZZZZ	8591	160230	12539	13714
04:26	ZZZZZZ	8629	159930	12489	13866
04:31	ZZZZZZ	8835	164480	12498	14419
04:36	ZZZZZZ	9029	168290	12835	14866
04:41	ZZZZZZ	8902	164660	12577	14850
04:46	ZZZZZZ	8796	168670	12416	14707
04:51	ZZZZZZ	8927	163980	12735	14426
04:56	ZZZZZZ	8794	162760	12729	14238
05:01	ZZZZZZ	8959	167500	12825	14673
05:06	ZZZZZZ	9067	169520	12980	14666
05:11	MA55275-CCV17	8393	157810	12117	13495
05:16	MA55275-CCB18	8649	163750	12164	14819
05:21	ZZZZZZ	8944	166970	12878	14549
05:26	ZZZZZZ	9018	164730	12952	14676
05:31	ZZZZZZ	8920	165540	12720	14467

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
05:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
05:41	ZZZZZZ	9135	168720	13239	14396
05:46	ZZZZZZ	8820	163000	12773	14369
05:52	JD79009-1	8759	164800	12661	14176
05:57	ZZZZZZ	8871	164030	12783	14468
06:02	MP43836-B1	8210	155060	11971	13460
06:07	MA55275-CCV18	8395	157830	12094	13575
06:11	MA55275-CCB19	8644	162980	12150	14893
06:17	MP43836-MB1	8693	164800	12308	14971
06:22	MP43836-S1	8389	155610	12417	13408
06:27	MP43836-S2	8469	156970	12460	13474
06:31	JD78997-1	8930	164450	12831	14600
06:37	MP43836-SD1	8728	164080	12285	14660
06:42	ZZZZZZ	8135	153290	11987	13223
06:47	ZZZZZZ	8121	154400	12029	13197
06:52	MP43836-PS1	8641	160610	12661	13943
06:57	ZZZZZZ	7816	147690	12332	11737
07:02	MA55275-CCV19	8344	157840	12198	13543
07:07	MA55275-CCB20	8634	163280	12188	14895
07:12	ZZZZZZ	8409	155900	12782	12943
07:17	ZZZZZZ	8824	162680	12748	14448
07:22	ZZZZZZ	8807	161860	12828	14421
07:27	ZZZZZZ	8984	167010	13078	14331
07:32	ZZZZZZ	8887	165850	12848	14482
07:37	ZZZZZZ	8748	160410	12862	14361
07:42	ZZZZZZ	8637	166710	12807	14141
07:47	ZZZZZZ	8736	162550	12899	14222
07:52	ZZZZZZ	8713	170530	12844	14211
07:57	MA55275-CCV20	8309	157100	12211	13521
08:02	MA55275-CCB21	8535	165430	12250	14792
08:07	ZZZZZZ	8672	168810	12997	14197
08:12	ZZZZZZ	8313	158540	12738	13068
08:17	ZZZZZZ	8340	999999 !a	12812	13275

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
08:23	ZZZZZZ	8243	155520	12667	13115
08:28	ZZZZZZ	8147	153170	12608	12999
08:33	ZZZZZZ	8417	159400	12743	13805
08:38	ZZZZZZ	8463	159120	12706	14155
08:43	MP43817-PS1	8653	158240	12965	13827
08:48	ZZZZZZ	7873	151290	12513	11964
08:53	MA55275-CCV21	8268	157740	12221	13513
08:58	MA55275-CCB22	8513	163830	12264	14802
09:03	ZZZZZZ	8560	164060	12595	14653
09:08	MP43858-B1	8388	159960	12357	13887
09:13	MP43858-MB1	8672	167070	12497	15056
09:18	MP43858-S1	8522	158840	12882	13578
09:23	MP43858-S2	8498	159500	12877	13581
09:28	JD79175-5	8811	163510	12970	14258
09:33	MP43858-SD1	8658	164110	12461	14612
09:38	MP43858-PS1	8557	170070	12814	13715
09:43	JD79175-5	No results reported for the elements associated with this internal standard.			
09:43	ZZZZZZ	8693	161210	12958	14147
09:47	MA55275-CCV22	8270	158120	12245	13539
09:53	MA55275-CCB23	8530	165090	12128	14855
09:58	ZZZZZZ	8653	162330	12342	14612
10:03	ZZZZZZ	8620	163210	12804	14413
10:08	ZZZZZZ	8514	170770	12491	14189
10:13	ZZZZZZ	8342	159390	12935	13352
10:18	ZZZZZZ	8539	162310	12503	14248
10:23	ZZZZZZ	8498	160960	12318	14165
10:27	ZZZZZZ	8429	161550	12437	14053
10:32	ZZZZZZ	8492	159560	12660	14141
10:37	ZZZZZZ	8610	164920	12451	14609
10:42	MA55275-CCV23	8283	158580	12181	13567
10:47	MA55275-CCB24	8563	170250	12318	14895
10:52	ZZZZZZ	8725	167730	12664	14643
10:57	ZZZZZZ	8576	160360	12619	13996

INTERNAL STANDARD SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55275
Parameters: Ag

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
11:03	ZZZZZZ	8577	163820	12395	14434
11:08	ZZZZZZ	8343	160130	12321	13773
11:12	ZZZZZZ	8668	164490	12561	14567
11:17	MP43836-S1	8472	159930	12561	13904
11:22	MP43836-S2	8419	159980	12484	13783
11:27	ZZZZZZ	9673	184410	14348	13956
11:32	MA55275-CCV24	8328	158000	12154	13609
11:37	MA55275-CCB25	8601	164500	12245	14943
11:42	ZZZZZZ	8745	166900	12649	14628
11:47	ZZZZZZ	8634	161600	12496	14322
11:52	ZZZZZZ	8620	162850	12558	14137
11:57	ZZZZZZ	8486	160260	12340	13993
12:02	ZZZZZZ	8518	160400	12406	13950
12:07	ZZZZZZ	8550	160040	12696	13786
12:12	ZZZZZZ	8458	159710	12408	13758
12:17	MA55275-CCV25	8217	157560	12303	13407
12:22	MA55275-CCB26	8658	166570	12334	15007
12:27	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time: / Sample ID:			13:13 ICB1		13:29 CCB1		14:24 CCB2		15:18 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8	anr							
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7	anr							
Silver	10	1	0.400	<10	0.100	<10	0.300	<10	0.400	<10
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	anr							
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			13:13		13:29		14:24		15:18	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time: / Sample ID:			16:12 CCB4		17:11 CCB5		18:08 CCB6		19:02 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8	anr							
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7	anr							
Silver	10	1	0.100	<10	0.400	<10	0.100	<10	0.00	<10
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	anr							
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time: / Sample ID:			16:12 CCB4		17:11 CCB5		18:08 CCB6		19:02 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			19:43		20:44		21:44		22:39	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8	anr							
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7	anr							
Silver	10	1	0.200	<10	0.100	<10	-0.100	<10	0.300	<10
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	anr							
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			19:43		20:44		21:44		22:39	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			23:39		00:39		01:40		02:41	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8	anr							
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7	anr							
Silver	10	1	0.100	<10	-0.400	<10	0.100	<10	0.100	<10
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	anr							
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			23:39		00:39		01:40		02:41	
Sample ID:			CCB12		CCB13		CCB14		CCB15	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time: / Sample ID:			03:16 CCB16		04:16 CCB17		05:16 CCB18		06:11 CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	17	anr							
Antimony	6.0	1.7	anr							
Arsenic	3.0	2.1	anr							
Barium	200	.8	anr							
Beryllium	1.0	.3	anr							
Bismuth	20	2.3								
Boron	100	2.3	anr							
Cadmium	3.0	.3	anr							
Calcium	5000	6.6	anr							
Cerium	100									
Chromium	10	.3	anr							
Cobalt	50	.4	anr							
Copper	10	.8	anr							
Iron	100	5.3	anr							
Lead	3.0	1.1	anr							
Lithium	50	4.8	anr							
Magnesium	5000	32	anr							
Manganese	15	.1	anr							
Molybdenum	20	.6								
Nickel	10	.4	anr							
Phosphorus	50	1.2								
Potassium	10000	77	anr							
Selenium	10	3.2	anr							
Silicon	200	1.7	anr							
Silver	10	1	-0.200	<10	-0.500	<10	-0.100	<10	0.400	<10
Sodium	10000	34	anr							
Strontium	10	.3								
Sulfur	50	3	anr							
Thallium	10	1.8	anr							
Tin	10	.8	anr							
Titanium	10	.5								
Tungsten	50	2.6								
Vanadium	50	.6	anr							

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55275 Units: ug/l

Time:			03:16		04:16		05:16		06:11	
Sample ID:			CCB16		CCB17		CCB18		CCB19	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.1	anr							
Zirconium	10	.3								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55275 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron	anr		
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	250	253	101.2
Sodium	anr		
Strontium			
Sulfur	anr		
Thallium	anr		
Tin	anr		
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55275 Units: ug/l

Time:		13:18	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		13:07			14:19			15:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	253	101.2	250	250	100.0	250	250	100.0
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		13:07			14:19			15:13	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		16:07			17:07			18:03	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	248	99.2	250	246	98.4	250	240	96.0
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		16:07			17:07			18:03	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		18:57			19:38			20:39	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	236	94.4	250	230	92.0	250	236	94.4
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		18:57			19:38			20:39	
Sample ID:	CCV	CCV6		CCV	CCV7		CCV	CCV8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		21:39			22:34			23:34	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	237	94.8	250	226	90.4	250	226	90.4
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		21:39			22:34			23:34	
Sample ID:	CCV	CCV9		CCV	CCV10		CCV	CCV11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		00:34			01:35			02:36	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	227	90.8	250	230	92.0	250	228	91.2
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		00:34			01:35			02:36	
Sample ID:	CCV	CCV12		CCV	CCV13		CCV	CCV14	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		03:11			04:11			05:11	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Bismuth									
Boron	anr								
Cadmium	anr								
Calcium	anr								
Cerium									
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	anr								
Lead	anr								
Lithium	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Phosphorus									
Potassium	anr								
Selenium	anr								
Silicon	anr								
Silver	250	226	90.4	250	226	90.4	250	226	90.4
Sodium	anr								
Strontium									
Sulfur	anr								
Thallium	anr								
Tin	anr								
Titanium									
Tungsten									
Vanadium	anr								

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		03:11			04:11			05:11	
Sample ID:	CCV	CCV15		CCV	CCV16		CCV	CCV17	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	anr								
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		06:07	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	anr		
Barium	anr		
Beryllium	anr		
Bismuth			
Boron	anr		
Cadmium	anr		
Calcium	anr		
Cerium			
Chromium	anr		
Cobalt	anr		
Copper	anr		
Iron	anr		
Lead	anr		
Lithium	anr		
Magnesium	anr		
Manganese	anr		
Molybdenum			
Nickel	anr		
Phosphorus			
Potassium	anr		
Selenium	anr		
Silicon	anr		
Silver	250	229	91.6
Sodium	anr		
Strontium			
Sulfur	anr		
Thallium	anr		
Tin	anr		
Titanium			
Tungsten			
Vanadium	anr		

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55275 Units: ug/l

Time:		06:07	
Sample ID:	CCV	CCV18	
Metal	True	Results	% Rec
Zinc	anr		
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55275 Units: ug/l

Time:		13:53			13:59	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Bismuth						
Boron	anr					
Cadmium	anr					
Calcium						
Cerium						
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron						
Lead	anr					
Lithium	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel	anr					
Phosphorus						
Potassium						
Selenium	anr					
Silicon	anr					
Silver	630	630	100.8			
Sodium						
Strontium						
Sulfur	anr					
Thallium	anr					
Tin	anr					
Titanium						
Tungsten						
Vanadium	anr					

HIGH STANDARD CHECK SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55275 Units: ug/l

Time:		13:53			13:59	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	anr					
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55275 Units: ug/l

Time:				13:33		13:38		17:43	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	200	500	100	anr					
Antimony	6.0	20	3.0	anr					
Arsenic	8.0	20	3.0	anr					
Barium	200		4.0	anr					
Beryllium	2.0		1.0	anr					
Bismuth	20								
Boron	100		10	anr					
Cadmium	3.0		1.0	anr					
Calcium	5000	2000	1000	anr					
Cerium									
Chromium	10		2.0	anr					
Cobalt	50		3.0	anr					
Copper	10		2.0	anr					
Iron	100	500		anr					
Lead	3.0	20	2.5	anr					
Lithium	50			anr					
Magnesium	5000	2000	100	anr					
Manganese	15		3.0	anr					
Molybdenum	20								
Nickel	10		4.0	anr					
Phosphorus	50								
Potassium	5000		2000	anr					
Selenium	10	20	5.0	anr					
Silicon	200			anr					
Silver	5.0		2.0	5.10	102.0			5.00	100.0
Sodium	5000		1000	anr					
Strontium	10								
Sulfur	50			anr					
Thallium	10		2.0	anr					
Tin	10			anr					
Titanium	10								
Tungsten	50								
Vanadium	50		2.0	anr					

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55275 Units: ug/l

Time:				13:33		13:38		17:43	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Zinc	20		10	anr					
Zirconium	10								

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55275 Units: ug/l

Time:				17:48	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Aluminum	200	500	100	anr	
Antimony	6.0	20	3.0		
Arsenic	8.0	20	3.0	anr	
Barium	200		4.0	anr	
Beryllium	2.0		1.0	anr	
Bismuth	20				
Boron	100		10		
Cadmium	3.0		1.0	anr	
Calcium	5000	2000	1000	anr	
Cerium					
Chromium	10		2.0	anr	
Cobalt	50		3.0	anr	
Copper	10		2.0		
Iron	100	500			
Lead	3.0	20	2.5		
Lithium	50				
Magnesium	5000	2000	100	anr	
Manganese	15		3.0	anr	
Molybdenum	20				
Nickel	10		4.0	anr	
Phosphorus	50				
Potassium	5000		2000	anr	
Selenium	10	20	5.0	anr	
Silicon	200				
Silver	5.0		2.0		
Sodium	5000		1000	anr	
Strontium	10				
Sulfur	50				
Thallium	10		2.0		
Tin	10				
Titanium	10				
Tungsten	50				
Vanadium	50		2.0	anr	

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55275 Units: ug/l

Time:				17:48	
Sample ID:	CRI	CRIA	CRID	CRID2	
Metal	True	True	True	Results	% Rec
Zinc	20		10	anr	
Zirconium	10				

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55275 Units: ug/l

Time:			13:43		13:48		17:53		17:58	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	500000	500000	492000	98.4	486000	97.2	480000	96.0	479000	95.8
Antimony		1000	1.00		1000	100.0	2.00		969	96.9
Arsenic		1000	0.500		1010	101.0	0.800		973	97.3
Barium		500	6.20		492	98.4	6.00		478	95.6
Beryllium		500	0.00		491	98.2	0.00		481	96.2
Bismuth		500	-9.30		496	99.2	-9.80		480	96.0
Boron		500	1.00		499	99.8	0.200		484	96.8
Cadmium		1000	1.50		1040	104.0	1.50		1010	101.0
Calcium	400000	400000	386000	96.5	374000	93.5	373000	93.3	369000	92.3
Cerium			-4.70		7.60		-5.20		8.50	
Chromium		500	1.80		479	95.8	1.90		466	93.2
Cobalt		500	0.300		485	97.0	0.300		474	94.8
Copper		500	0.500		519	103.8	-0.100		506	101.2
Iron	200000	200000	185000	92.5	188000	94.0	180000	90.0	184000	92.0
Lead		1000	0.400		947	94.7	-0.300		930	93.0
Lithium		500	3.30		517	103.4	2.20		503	100.6
Magnesium	500000	500000	475000	95.0	478000	95.6	465000	93.0	469000	93.8
Manganese		500	2.50		513	102.6	2.40		502	100.4
Molybdenum		500	2.90		484	96.8	3.20		469	93.8
Nickel		1000	-0.200		939	93.9	-0.200		919	91.9
Phosphorus		500	26.1		502	100.4	27.4		487	97.4
Potassium			-73.6		-8.30		-70.1		19.4	
Selenium		1000	8.70		999	99.9	5.00		968	96.8
Silicon		500	8.80		513	102.6	8.00		496	99.2
Silver		1000	4.90		992	99.2	4.50		967	96.7
Sodium			87.3		181		227		288	
Strontium		500	7.80		497	99.4	7.60		483	96.6
Sulfur		500	13.1		491	98.2	10.8		472	94.4
Thallium		1000	2.50		957	95.7	3.20		935	93.5
Tin		500	-0.300		485	97.0	-0.800		470	94.0
Titanium		500	-1.40		501	100.2	-1.80		491	98.2
Tungsten		500	1.10		478	95.6	-0.500		465	93.0
Vanadium		500	1.20		498	99.6	1.10		485	97.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SC122023M1.ICP Date Analyzed: 12/20/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55275 Units: ug/l

Time:			13:43		13:48		17:53		17:58	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1		ICSA2		ICSAB2	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Zinc		1000	3.20		965	96.5	3.10		939	93.9
Zirconium		500	-7.50		468	93.6	-7.40		457	91.4

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	2.7	8.1	4.7	<50
Antimony	2.0	.28	.41	-0.040	<2.0
Arsenic	2.0	.26	.28	0.20	<2.0
Barium	20	.1	1.9	0.020	<20
Beryllium	0.20	.02	.08	0.020	<0.20
Bismuth	2.0	.25	.52		
Boron	10	.18	3.7		
Cadmium	0.50	.04	.07	0.010	<0.50
Calcium	500	.77	21	12.2	<500
Chromium	1.0	.05	.37	0.070	<1.0
Cobalt	5.0	.06	.28	0.010	<5.0
Copper	2.5	.68	.84	0.39	<2.5
Iron	50	1.5	19	1.9	<50
Lead	2.0	.2	.41	0.060	<2.0
Magnesium	500	5.4	14	3.4	<500
Manganese	1.5	.01	.41	0.040	<1.5
Molybdenum	2.0	.06	.32		
Nickel	4.0	.08	.35	0.030	<4.0
Phosphorus	20	.7	3.3		
Potassium	1000	7.7	32	14.2	<1000
Selenium	2.0	.36	.65	-0.23	<2.0
Silicon	20	.22	11		
Silver	0.50	.09	.17	0.060	<0.50
Sodium	1000	2.3	78	8.8	<1000
Sulfur	10	.37	3.9		
Thallium	1.0	.52	.58	-0.020	<1.0
Tin	20	.14	3.8		
Tungsten	5.0	.13	1.8		
Vanadium	5.0	.08	.19	0.020	<5.0
Zinc	5.0	.03	2.3	0.69	<5.0

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	JD79009-3 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	4150	8750	2930	157.1N(a	75-125
Antimony	0.0	163	234	69.6N(a)	75-125
Arsenic	0.65	219	234	93.2	75-125
Barium	26.4	278	234	107.4	75-125
Beryllium	0.14	227	234	96.9	75-125
Bismuth					
Boron					
Cadmium	0.14	228	234	97.3	75-125
Calcium	1000	4330	2930	113.7	75-125
Chromium	9.1	227	234	93.0	75-125
Cobalt	2.6	230	234	97.1	75-125
Copper	4.8	225	234	94.0	75-125
Iron	8160	12600	2930	151.6N(a	75-125
Lead	3.7	231	234	97.0	75-125
Lithium					
Magnesium	1770	5120	2930	114.4	75-125
Manganese	92.4	422	234	140.7N(a	75-125
Molybdenum					
Nickel	7.2	234	234	96.8	75-125
Phosphorus					
Potassium	973	4230	2930	111.2	75-125
Selenium	0.28	217	234	92.5	75-125
Silicon					
Silver	0.22	27.2	29.3	92.1	75-125
Sodium	111	3010	2930	99.0	75-125
Strontium					
Sulfur					
Thallium	0.34	236	234	100.6	75-125
Tin					
Titanium					
Tungsten					
Vanadium	9.8	228	234	93.2	75-125
Zinc	19.1	243	234	95.6	75-125

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	JD79009-3 Original MS	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	JD79009-3 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	4150	8200	2900	139.7N(a	6.5	20
Antimony	0.0	163	232	70.3N(a)	0.0	20
Arsenic	0.65	214	232	92.0	2.3	20
Barium	26.4	252	232	97.3	9.8	20
Beryllium	0.14	221	232	95.2	2.7	20
Bismuth						
Boron						
Cadmium	0.14	221	232	95.2	3.1	20
Calcium	1000	4140	2900	108.3	4.5	20
Chromium	9.1	220	232	90.9	3.1	20
Cobalt	2.6	222	232	94.6	3.5	20
Copper	4.8	219	232	92.3	2.7	20
Iron	8160	11100	2900	101.4	12.7	20
Lead	3.7	224	232	95.0	3.1	20
Lithium						
Magnesium	1770	4830	2900	105.5	5.8	20
Manganese	92.4	331	232	102.9	24.2 (b)	20
Molybdenum						
Nickel	7.2	226	232	94.3	3.5	20
Phosphorus						
Potassium	973	4010	2900	104.7	5.3	20
Selenium	0.28	211	232	90.8	2.8	20
Silicon						
Silver	0.22	26.8	29	91.7	1.5	20
Sodium	111	2940	2900	97.6	2.4	20
Strontium						
Sulfur						
Thallium	0.34	227	232	97.7	3.9	20
Tin						
Titanium						
Tungsten						
Vanadium	9.8	221	232	91.0	3.1	20
Zinc	19.1	235	232	93.1	3.3	20

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810 Methods: SW846 6010D
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/18/23

Metal	JD79009-3 Original MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Zirconium					

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/18/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	2420	2500	96.8	80-120
Antimony	193	200	96.5	80-120
Arsenic	190	200	95.0	80-120
Barium	197	200	98.5	80-120
Beryllium	198	200	99.0	80-120
Cadmium	197	200	98.5	80-120
Calcium	2470	2500	98.8	80-120
Chromium	189	200	94.5	80-120
Cobalt	196	200	98.0	80-120
Copper	191	200	95.5	80-120
Iron	2490	2500	99.6	80-120
Lead	197	200	98.5	80-120
Magnesium	2480	2500	99.2	80-120
Manganese	194	200	97.0	80-120
Nickel	195	200	97.5	80-120
Potassium	2450	2500	98.0	80-120
Selenium	189	200	94.5	80-120
Silver	24.4	25	97.6	80-120
Sodium	2460	2500	98.4	80-120
Thallium	203	200	101.5	80-120
Vanadium	190	200	95.0	80-120
Zinc	196	200	98.0	80-120

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/18/23

Metal	JD79009-3 Original	SDL 1:5	%DIF	QC Limits
Aluminum	36200	37600	3.8	0-10
Antimony	0.00	0.00	NC	0-10
Arsenic	5.70	0.00	100.0(a)	0-10
Barium	230	234	2.0	0-10
Beryllium	1.20	1.60	33.3 (a)	0-10
Boron				
Cadmium	1.20	0.00	100.0(a)	0-10
Calcium	8720	8960	2.8	0-10
Chromium	79.6	81.4	2.3	0-10
Cobalt	22.9	23.7	3.5	0-10
Copper	41.5	49.4	19.0 (a)	0-10
Iron	71100	72700	2.3	0-10
Lead	32.1	31.1	3.1	0-10
Lithium				
Magnesium	15400	15700	1.9	0-10
Manganese	805	823	2.3	0-10
Nickel	63.0	65.1	3.3	0-10
Phosphorus				
Potassium	8470	8930	5.5	0-10
Selenium	2.40	0.00	100.0(a)	0-10
Silver	1.90	5.10	168.4(a)	0-10
Sodium	970	971	0.2	0-10
Strontium				
Sulfur				
Thallium	3.00	0.00	100.0(a)	0-10
Tin				
Tungsten				
Vanadium	85.2	87.8	3.1	0-10
Zinc	166	177	6.6	0-10

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

POST DIGESTATE SPIKE SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43810
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/18/23

Metal	Sample ml	Final ml	JD79009-3 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Antimony	19.25	20			1970	0.2	200	2000	98.5	80-120
Manganese	19.25	20	804.5	774.3313	2784	0.2	200	2000	100.5	80-120

Associated samples MP43810: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43850
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/20/23

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0057	.015	-0.0035	<0.033

Associated samples MP43850: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43850
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/20/23

Metal	JD78781-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.66	0.79	0.331	39.3N(a)	80-120

Associated samples MP43850: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43850 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/20/23

Metal	JD78781-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.66	0.80	0.347	40.4N(a)	1.3	20

Associated samples MP43850: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79009
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43850
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/20/23

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.31	0.333	93.0	80-120

Associated samples MP43850: JD79009-1, JD79009-2, JD79009-3

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.034

The above applies to the following instrument runs:
MA55270

Instrument Detection Limits

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE3 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	16.6
Antimony	1.7
Arsenic	2.1
Barium	.8
Beryllium	.3
Bismuth	2.3
Boron	2.3
Cadmium	.3
Calcium	6.6
Chromium	.3
Cobalt	.4
Copper	.8
Iron	5.3
Lead	1.1
Lithium	4.8
Magnesium	32.3
Manganese	.1
Molybdenum	.6
Nickel	.4
Phosphorus	1.2
Potassium	76.5
Selenium	3.2
Silicon	1.7
Silver	1
Sodium	34.4
Sulfur	3
Strontium	.3
Thallium	1.8
Tin	.8
Titanium	.5
Tungsten	2.6
Vanadium	.6
Yttrium	5
Zinc	.1
Zirconium	.3

The above applies to the following instrument runs:
MA55275

Instrument Detection Limits

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	26.5
Antimony	2.2
Arsenic	1.3
Barium	1
Beryllium	.2
Bismuth	2.1
Boron	1
Cadmium	.2
Calcium	7.7
Chromium	.5
Cobalt	.4
Copper	6.8
Iron	14.6
Lead	1.6
Lithium	3.7
Magnesium	53.9
Manganese	.1
Molybdenum	.5
Nickel	.3
Phosphorus	1.8
Potassium	76.8
Selenium	2
Silicon	1.3
Silver	.9
Sodium	23.4
Sulfur	4.1
Strontium	.4
Thallium	1.6
Tin	.9
Titanium	.9
Tungsten	2
Vanadium	.8
Zinc	.2
Zirconium	.5

The above applies to the following instrument runs:
MA55273

Instrument Detection Limits

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	9.2
Antimony	2.8
Arsenic	2.6
Barium	.2
Beryllium	.2
Bismuth	2.5
Boron	1.8
Cadmium	.4
Calcium	13
Chromium	.7
Cobalt	.6
Copper	.7
Iron	3.3
Lead	2
Lithium	1.5
Magnesium	24.8
Manganese	.1
Molybdenum	.6
Nickel	.8
Phosphorus	7
Potassium	34.5
Selenium	3.6
Silicon	2.2
Silver	.6
Sodium	13.9
Sulfur	3.7
Strontium	.1
Thallium	5.2
Tin	1.4
Titanium	.8
Tungsten	1.3
Vanadium	.5
Zinc	.3
Zirconium	.5

The above applies to the following instrument runs:
MA55268

Instrument Linear Ranges

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 02/26/18

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA55270

Instrument Linear Ranges

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE3 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55275

Instrument Linear Ranges

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE4 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55273

Instrument Linear Ranges

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55268

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: JD79009
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: JD79009-1 **Analyzed:** 17-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB115(3.5-4)

Wet Weight (Total)	34.75	g
Tare Weight	27.42	g
Dry Weight (Total)	33.55	g
Solids, Percent	83.6	%

Sample: JD79009-2 **Analyzed:** 17-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB117(9-9.5)

Wet Weight (Total)	35.37	g
Tare Weight	29.26	g
Dry Weight (Total)	32.36	g
Solids, Percent	50.7	%

Sample: JD79009-3 **Analyzed:** 17-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB116(11-11.5)

Wet Weight (Total)	31.52	g
Tare Weight	25.56	g
Dry Weight (Total)	30.5	g
Solids, Percent	82.9	%

Sample Summary

SESI Consulting Engineers

Job No: JD79009R

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#Phase 8.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD79009-4R	12/14/23	11:45	MHM	12/15/23	AQ	Ground Water	GW101
JD79009-5R	12/14/23	00:00	MHM	12/15/23	AQ	Trip Blank Soil	TB2023/12/14

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2J8112.D	1	01/12/24 12:32	ED	n/a	n/a	V2J261
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	1.4	5.0	0.60	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		80-120%
17060-07-0	1,2-Dichloroethane-D4	92%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.55	22	ug/l	J
	Dihydro-methylindene + C4 alkylbenzene	9.09	7.4	ug/l	J
	Total TIC, Volatile		7.4	ug/l	J

(a) Sample analyzed outside the holding time per client's request.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW101
Lab Sample ID: JD79009-4R
Matrix: AQ - Ground Water
Method: SW846 8270E SW846 3510C
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2M130104.D	1	01/15/24 12:13	KH	01/13/24 15:20	OP51740	E2M5921
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.0	0.37	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.0	0.53	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	0.52	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.0	0.67	ug/l	
51-28-5	2,4-Dinitrophenol [b]	ND	4.0	1.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol [b]	ND	4.0	1.5	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.47	ug/l	
	3&4-Methylphenol	ND	2.0	1.5	ug/l	
88-75-5	2-Nitrophenol [b]	ND	4.0	0.40	ug/l	
100-02-7	4-Nitrophenol [b]	ND	8.0	0.45	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.2	ug/l	
108-95-2	Phenol	ND	2.0	0.26	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.0	0.64	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.0	0.49	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.0	0.59	ug/l	
83-32-9	Acenaphthene	1.6	1.0	0.61	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.42	ug/l	
98-86-2	Acetophenone	ND	2.0	0.52	ug/l	
120-12-7	Anthracene	ND	1.0	0.56	ug/l	
1912-24-9	Atrazine	ND	2.0	0.72	ug/l	
100-52-7	Benzaldehyde	ND	4.0	0.44	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.51	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.63	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.57	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.64	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.48	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.55	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.86	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.59	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.43	ug/l	
106-47-8	4-Chloroaniline	ND	4.0	0.53	ug/l	
86-74-8	Carbazole	ND	1.0	0.58	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [b]	ND	2.0	0.35	ug/l	
218-01-9	Chrysene	ND	1.0	0.52	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.46	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.43	ug/l	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	2.0	0.50	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.60	ug/l	
121-14-2	2,4-Dinitrotoluene [b]	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene [b]	ND	1.0	0.56	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	1.1	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.18	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.50	ug/l	
132-64-9	Dibenzofuran	ND	4.0	0.73	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.53	ug/l	
117-84-0	Di-n-octyl phthalate [b]	ND	2.0	1.6	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.58	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.55	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.3	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.58	ug/l	
86-73-7	Fluorene	ND	1.0	0.59	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.54	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.35	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	8.0	0.98	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.55	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.64	ug/l	
78-59-1	Isophorone	ND	2.0	0.39	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.64	ug/l	
88-74-4	2-Nitroaniline [b]	ND	4.0	0.62	ug/l	
99-09-2	3-Nitroaniline	ND	4.0	0.64	ug/l	
100-01-6	4-Nitroaniline	ND	4.0	0.75	ug/l	
91-20-3	Naphthalene	ND	1.0	0.44	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.42	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.65	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.0	0.42	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.48	ug/l	
129-00-0	Pyrene	ND	1.0	0.50	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.48	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-69%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8270E SW846 3510C	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	34%		10-47%
118-79-6	2,4,6-Tribromophenol	73%		17-144%
4165-60-0	Nitrobenzene-d5	72%		17-126%
321-60-8	2-Fluorobiphenyl	58%		23-124%
1718-51-0	Terphenyl-d14	33%		13-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.73	15	ug/l	J
	System artifact	3.83	4.8	ug/l	J
	System artifact	3.93	6.7	ug/l	J
	System artifact	3.94	6.8	ug/l	J
90-12-0	Naphthalene, 1-methyl-	6.24	4.9	ug/l	JN
57-11-4	Octadecanoic acid	11.86	4.9	ug/l	JN
	Alkane	14.28	3.9	ug/l	J
	Unknown	14.99	4.8	ug/l	JB
	Alkane	15.26	3.5	ug/l	J
	Alkane	18.29	3.4	ug/l	J
	Total TIC, Semi-Volatile		20.6	ug/l	J

(a) Sample extracted outside the holding time.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: GW101
Lab Sample ID: JD79009-4R
Matrix: AQ - Ground Water
Method: EPA DRAFT 1633 EPA 1633 DRAFT
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1Q4046.D	1	01/16/24 00:53	PC	01/15/24 14:00	OP51781	T1Q84
Run #2							

	Initial Volume	Final Volume
Run #1	50.0 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROALKYL CARBOXYLIC ACIDS						
375-22-4	Perfluorobutanoic acid	0.0124	0.080	0.0093	ug/l	J
2706-90-3	Perfluoropentanoic acid	0.0145	0.040	0.0073	ug/l	J
307-24-4	Perfluorohexanoic acid	0.0131	0.020	0.0029	ug/l	J
375-85-9	Perfluoroheptanoic acid	0.0075	0.020	0.0050	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0306	0.020	0.0075	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.020	0.0040	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.020	0.0062	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.020	0.0055	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.020	0.0077	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.020	0.0079	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.020	0.0076	ug/l	
PERFLUOROALKYL SULFONIC ACIDS						
375-73-5	Perfluorobutanesulfonic acid	0.0128	0.020	0.0066	ug/l	J
2706-91-4	Perfluoropentanesulfonic acid	ND	0.020	0.010	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.020	0.011	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.020	0.0098	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.0484	0.020	0.0043	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.020	0.014	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.020	0.011	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.020	0.0040	ug/l	
FLUOROTELOMER SULFONIC ACIDS						
757124-72-4	4:2 Fluorotelomer sulfonate	ND	0.080	0.023	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.080	0.0091	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.080	0.015	ug/l	
PERFLUOROOCTANE SULFONAMIDES						
754-91-6	PFOSA	ND	0.020	0.0069	ug/l	
31506-32-8	MeFOSA	ND	0.020	0.0064	ug/l	
4151-50-2	EtFOSA	ND	0.020	0.0053	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

CAS No.	Compound	Result	RL	MDL	Units	Q
PERFLUOROOCTANE SULFONAMIDOACETIC ACIDS						
2355-31-9	MeFOSAA	ND	0.020	0.0051	ug/l	
2991-50-6	EtFOSAA	ND	0.020	0.0091	ug/l	
PERFLUOROOCTANE SULFONAMIDO ETHANOLS						
24448-09-7	MeFOSE	ND	0.20	0.028	ug/l	
1691-99-2	EtFOSE	ND	0.20	0.038	ug/l	
PER and POLYFLUOROETHER CARBOXYLIC ACIDS						
13252-13-6	HFPO-DA (GenX)	ND	0.080	0.018	ug/l	
919005-14-4	ADONA	ND	0.080	0.012	ug/l	
377-73-1	PFMPA	ND	0.040	0.0030	ug/l	
863090-89-5	PFMBA	ND	0.040	0.0056	ug/l	
151772-58-6	NFDHA	ND	0.040	0.013	ug/l	
PER and POLYFLUOROETHER SULFONIC ACIDS						
756426-58-1	9Cl-PF3ONS (F-53B Major)	ND	0.080	0.024	ug/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	ND	0.080	0.018	ug/l	
113507-82-7	PFEESA	ND	0.040	0.0027	ug/l	
FLUOROTELOMER CARBOXYLIC ACIDS						
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.10	0.024	ug/l	
914637-49-3	5:3 Fluorotelomer carboxylate	ND	0.50	0.071	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.50	0.062	ug/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	97%		5-130%
	13C5-PFPeA	101%		40-130%
	13C5-PFHxA	96%		40-130%
	13C4-PFHpA	97%		40-130%
	13C8-PFOA	96%		40-130%
	13C9-PFNA	98%		40-130%
	13C6-PFDA	95%		40-130%
	13C7-PFUnDA	84%		30-130%
	13C2-PFDoDA	95%		10-130%
	13C2-PFTeDA	93%		10-130%
	13C3-PFBS	99%		40-135%
	13C3-PFHxS	96%		40-130%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
RL = Reporting Limit B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	80%		40-130%
	13C8-FOSA	81%		40-130%
	d3-MeFOSA	74%		10-130%
	d5-EtFOSA	76%		10-130%
	d3-MeFOSAA	83%		40-170%
	d5-EtFOSAA	84%		25-135%
	d7-MeFOSE	85%		10-130%
	d9-EtFOSE	84%		10-130%
	13C2-4:2FTS	87%		40-200%
	13C2-6:2FTS	109%		40-200%
	13C2-8:2FTS	88%		40-300%
	13C3-HFPO-DA	105%		40-130%

(a) Sample extracted before holdtime

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8270E BY SIM SW846 3510C	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	4P67934.D	1	01/17/24 11:54	KH	01/13/24 15:20	OP51740A	E4P3450
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
123-91-1	1,4-Dioxane [b]	ND	0.30	0.20	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	48%		29-124%
321-60-8	2-Fluorobiphenyl	43%		23-122%
1718-51-0	Terphenyl-d14	29%		22-130%

(a) Sample extracted outside the holding time.
(b) Associated CCV outside of control limits low. Low-level verification was analyzed to demonstrate system suitability to detect affected analytes. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8081B SW846 3510C	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1G192272.D	1	01/17/24 11:26	RK	01/15/24 16:40	OP51791	G1G6850
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0080	0.0041	ug/l	
319-84-6	alpha-BHC	ND	0.0080	0.0042	ug/l	
319-85-7	beta-BHC	ND	0.0080	0.0064	ug/l	
319-86-8	delta-BHC	ND	0.0080	0.0053	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0080	0.0048	ug/l	
5103-71-9	alpha-Chlordane [b]	0.012	0.0080	0.0039	ug/l	
5103-74-2	gamma-Chlordane [b]	0.0099	0.0080	0.0034	ug/l	
60-57-1	Dieldrin	ND	0.0080	0.0061	ug/l	
72-54-8	4,4'-DDD	ND	0.0080	0.0046	ug/l	
72-55-9	4,4'-DDE	0.0095	0.0080	0.0040	ug/l	
50-29-3	4,4'-DDT	ND	0.0080	0.0055	ug/l	
72-20-8	Endrin	ND	0.0080	0.0048	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0080	0.0044	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0080	0.0054	ug/l	
53494-70-5	Endrin ketone	ND	0.0080	0.0050	ug/l	
959-98-8	Endosulfan-I	ND	0.0080	0.0042	ug/l	
33213-65-9	Endosulfan-II	ND	0.0080	0.0039	ug/l	
76-44-8	Heptachlor	ND	0.0080	0.0036	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0080	0.0048	ug/l	
72-43-5	Methoxychlor	ND	0.016	0.0054	ug/l	
8001-35-2	Toxaphene	ND	0.20	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	53%		10-175%
877-09-8	Tetrachloro-m-xylene	59%		10-175%
2051-24-3	Decachlorobiphenyl	19%		10-128%
2051-24-3	Decachlorobiphenyl	21%		10-128%

(a) Sample extracted outside the holding time.
(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
Method:	SW846 8082A SW846 3510C	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	XX2509693.D	1	01/15/24 00:27	CP	01/13/24 11:30	OP51738	GXX8422
Run #2							

	Initial Volume	Final Volume
Run #1	250 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.40	0.16	ug/l	
11104-28-2	Aroclor 1221	ND	0.40	0.34	ug/l	
11141-16-5	Aroclor 1232	ND	0.40	0.21	ug/l	
53469-21-9	Aroclor 1242	ND	0.40	0.37	ug/l	
12672-29-6	Aroclor 1248	ND	0.40	0.35	ug/l	
11097-69-1	Aroclor 1254	ND	0.40	0.33	ug/l	
11096-82-5	Aroclor 1260	ND	0.40	0.33	ug/l	
11100-14-4	Aroclor 1268	ND	0.40	0.14	ug/l	
37324-23-5	Aroclor 1262	ND	0.40	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	63%		10-169%
877-09-8	Tetrachloro-m-xylene	57%		10-169%
2051-24-3	Decachlorobiphenyl	41%		10-130%
2051-24-3	Decachlorobiphenyl	47%		10-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
		Percent Solids:	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	35900	200	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Antimony	< 6.0	6.0	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Arsenic	5.7	3.0	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Barium	408	200	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Beryllium	2.8	1.0	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Cadmium	< 3.0	3.0	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Calcium	99100	5000	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Chromium	159	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Cobalt	< 50	50	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Copper	16.7	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Iron	77400	100	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Lead	146	3.0	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Magnesium	29300	5000	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Manganese	1400	15	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Mercury [a]	1.2	1.2	ug/l	1	01/15/24	01/15/24	LM	SW846 7470A [1]	SW846 7470A [4]
Nickel	80.0	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Potassium	< 10000	10000	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Selenium	< 10	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Silver	< 10	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Sodium	143000	10000	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Thallium	< 10	10	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Vanadium	121	50	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]
Zinc	273	20	ug/l	1	01/12/24	01/15/24	MM	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA55386
(2) Instrument QC Batch: MA55391
(3) Prep QC Batch: MP44228
(4) Prep QC Batch: MP44245

(a) Analyzed beyond Holdtime.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	GW101		
Lab Sample ID:	JD79009-4R	**Date Sampled:**	12/14/23
Matrix:	AQ - Ground Water	**Date Received:**	12/15/23
		Percent Solids:	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide [a]	< 0.010	0.010	mg/l	1	01/16/24 17:12	JD	EPA 335.4/LACHAT

(a) Analysis done out of holding time.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	TB2023/12/14		
Lab Sample ID:	JD79009-5R	**Date Sampled:**	12/14/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	12/15/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2J8110.D	1	01/12/24 12:00	ED	n/a	n/a	V2J261
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB2023/12/14		
Lab Sample ID:	JD79009-5R	**Date Sampled:**	12/14/23
Matrix:	AQ - Trip Blank Soil	**Date Received:**	12/15/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	87%		80-120%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	102%		82-114%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.51	14	ug/l	J
	Total TIC, Volatile		0	ug/l	

(a) Sample analyzed outside the holding time per client's request.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS

SO
SLL
AQ TB

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #:
Bottle Order Control #: Prem-hr-121323-129
SGS Quote #:
SGS Job #: JD79009

Client / Reporting Information	Project Information	
Company Name: SESI	Project Name: FRANKLIN COURTS	
Street Address: 959 US 46	Street: " "	Billing Information (if different from Report to)
City / State / Zip: PARSIPPANY NJ	City / State: TARRYTOWN NY	Company Name: CLIENT
Project Contact / E-mail: STEVE GUSTEMS ssg@sesi.org	Project #: 12345	Street Address:
Phone #: 973-808-9050	Client Purchase Order #: Phase 8.1	City / State / Zip:
Sampler(s) Name(s) / Phone #: MELISSA MAYFIELD	Project Manager: STEVE GUSTEMS	Attention:

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; SED - Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB - Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	TCL +30 / TAL (-cyanide)	VOCs	PFAS (1633)	LAB USE ONLY
1	SB115 (3.5-4)		12/14/23	11:00	MHM	G	N	SOIL	4					✓			✓	✓			
2	SB117 (9-9.5)		↓	8:45	MHM	G	N	SOIL	4					✓			✓	✓			
	~~SV101~~ M.M.																				
3	SB116 (11-11.5')			3:00	MHM	G	N	SOIL	4					✓			✓	✓			
4	GW101	•			MHM				12	✓		✓		✓				✓		✓	
5	TB2023/12/14		↓		MHM														✓		

Turn Around Time (Business Days)

- ☐ 10 Business Days
- ☒ 5 Business Days — 1 week
- ☐ 3 Business Days*
- ☐ 2 Business Days* — SESI Standard
- ☐ 1 Business Day*
- ☐ Other

All data available via SGS Engage

Approved By (SGS PM) / Date:

* Approval needed for 1-3 BD TAT

Deliverable

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ NJ Reduced (Level 3)
- ☐ Full Tier I (Level 4)
- ☐ Commercial "C"
- ☐ NJ DKQP
- ☐ NYASP Category A
- ☒ NYASP Category B
- ☐ MA MCP Criteria ____
- ☐ CT RCP Criteria ____
- ☐ State Forms
- ☐ EDD Format ____

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Initial Assessment 3AEW
Label Verification ____

Comments / Special Instructions: • 4x 250ml NP EXT
SGS courier

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature]	12/15/23	1 TC 12/15/23 9:21	2 TC 12/15/23	15:29	2 J Garcia
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact ☐ Absent	Therm ID: On Ice ☒ Cooler Temp. °C 5.0

See Sample Receipt Summary

IR40

EHSA-QAC-0023-05 Rev.Date:8/5/22

SGS Sample Receipt Summary

Job Number: JD79009 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, NY

Date / Time Received: 12/15/2023 6:29:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (0.5);

Cooler Temps (Corrected) °C: Cooler 1: (0.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☑		☐	☐
2. Trip Blank listed on COC:	☑		☐	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☑		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments -4 No collection time on COC. Time on labels is 11:45. Please confirm.

Responded to by: Kelly Ramos

Response Date: 12/18

Please proceed with time on label

Job Change Order: JD79009

Requested Date:	1/12/2024	**Received Date:**	12/15/2023
Account Name:	SESI Consulting Engineers	**Due Date:**	1/15/2024
Project Description:	99 Franklin Courts, Tarrytown, NY	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** KR	**TAT (Days):**	1

==========

Sample #: JD79009-4 **Dept:**

Client ID: GW101 **TAT:** 1

Change: Relog for LCID1633LIST40.

==========

Sample #: JD79009-5 **Dept:**

Client ID: TB2023/12/14 **TAT:** 1

Change: Relog for V8260TCL20+

Above Changes Per: **Date/Time:** 1/12/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

Job Change Order: JD79009

Requested Date:	1/12/2024	**Received Date:**	12/15/2023
Account Name:	SESI Consulting Engineers	**Due Date:**	1/15/2024
Project Description:	99 Franklin Courts, Tarrytown, NY	**Deliverable:**	NYASPB
C/O Initiated By:	MARIE_MEI **PM:** KR	**TAT (Days):**	1

==========

Sample #: JD79009-4 **Dept:**

Client ID: GW101 **TAT:** 1

Change: Relog for XLVTCL20+ and BLV8270SIM14DIOX.

Above Changes Per: **Date/Time:** 1/12/2024

To Client: This Change Order is confirmation of the revisions, previously discussed with the Client Service Representative.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

99 Franklin Courts, Tarrytown, NY

12345.8.1

SGS Job Number: JD79054

Sampling Date: 12/14/23

Report to:

SESI Consulting Engineers

ssg@sesi.org

ATTN: Steven Gustems

Total number of pages in report: **120**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Table of Contents

Sample Summary

SESI Consulting Engineers

Job No: JD79054

99 Franklin Courts, Tarrytown, NY
Project No: 12345.8.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD79054-1	12/14/23	13:30	MM	12/15/23	AIR	Soil Vapor Comp.	SV101

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No:**	JD79054
Site:	99 Franklin Courts, Tarrytown, NY	**Report Date**	12/26/2023 11:04:00 A

On 12/15/2023, 1 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS). The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD79054 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V3W3300

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD78965-1DUP were used as the QC samples indicated.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD79054
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/14/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD79054-1	**SV101**					
Acetone (2-Propanone)		9.4	0.80	0.58	ppbv	TO-15
Benzene		0.79 J	0.80	0.58	ppbv	TO-15
Carbon disulfide		0.87	0.80	0.18	ppbv	TO-15
Cyclohexane		1.7	0.80	0.18	ppbv	TO-15
Dichlorodifluoromethane		0.48 J	0.80	0.42	ppbv	TO-15
Ethylbenzene		0.86	0.80	0.24	ppbv	TO-15
Ethyl Acetate		71.0	0.80	0.42	ppbv	TO-15
Heptane		2.3	0.80	0.18	ppbv	TO-15
Hexane		2.1	0.80	0.21	ppbv	TO-15
Isopropyl Alcohol		0.79 J	0.80	0.56	ppbv	TO-15
Methyl ethyl ketone		1.4	0.80	0.44	ppbv	TO-15
Propylene		1.3 J	2.0	0.57	ppbv	TO-15
2,2,4-Trimethylpentane		0.50 J	0.80	0.16	ppbv	TO-15
Tertiary Butyl Alcohol		0.70 J	0.80	0.37	ppbv	TO-15
Toluene		1.4	0.80	0.23	ppbv	TO-15
m,p-Xylene		2.4	0.80	0.56	ppbv	TO-15
o-Xylene		0.81	0.80	0.31	ppbv	TO-15
Xylenes (total)		3.2	0.80	0.31	ppbv	TO-15
Acetone (2-Propanone)		22	1.9	1.4	ug/m3	TO-15
Benzene		2.5 J	2.6	1.9	ug/m3	TO-15
Carbon disulfide		2.7	2.5	0.56	ug/m3	TO-15
Cyclohexane		5.9	2.8	0.62	ug/m3	TO-15
Dichlorodifluoromethane		2.4 J	4.0	2.1	ug/m3	TO-15
Ethylbenzene		3.7	3.5	1.0	ug/m3	TO-15
Ethyl Acetate		256	2.9	1.5	ug/m3	TO-15
Heptane		9.4	3.3	0.74	ug/m3	TO-15
Hexane		7.4	2.8	0.74	ug/m3	TO-15
Isopropyl Alcohol		1.9 J	2.0	1.4	ug/m3	TO-15
Methyl ethyl ketone		4.1	2.4	1.3	ug/m3	TO-15
Propylene		2.2 J	3.4	0.98	ug/m3	TO-15
2,2,4-Trimethylpentane		2.3 J	3.7	0.75	ug/m3	TO-15
Tertiary Butyl Alcohol		2.1 J	2.4	1.1	ug/m3	TO-15
Toluene		5.3	3.0	0.87	ug/m3	TO-15
m,p-Xylene		10	3.5	2.4	ug/m3	TO-15
o-Xylene		3.5	3.5	1.3	ug/m3	TO-15
Xylenes (total)		14	3.5	1.3	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SV101
Lab Sample ID: JD79054-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A1897
Method: TO-15
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3W83801.D	1	12/20/23 21:28	TCH	n/a	n/a	V3W3300
Run #2							

	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	9.4	0.80	0.58	ppbv		22	1.9	1.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.34	ppbv		ND	1.8	0.75	ug/m3
71-43-2	78.11	Benzene	0.79	0.80	0.58	ppbv	J	2.5	2.6	1.9	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.40	0.12	ppbv		ND	2.7	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.16	0.28	ppbv		ND	1.7	2.9	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.28	ppbv		ND	3.1	1.1	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.24	ppbv		ND	3.5	1.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.50	ppbv		ND	4.1	2.6	ug/m3
75-15-0	76.14	Carbon disulfide	0.87	0.80	0.18	ppbv		2.7	2.5	0.56	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.30	ppbv		ND	3.7	1.4	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.27	ppbv		ND	2.1	0.71	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.15	ppbv		ND	3.9	0.73	ug/m3
74-87-3	50.49	Chloromethane	ND	0.80	0.36	ppbv		ND	1.7	0.74	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.33	ppbv		ND	2.5	1.0	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.29	ppbv		ND	4.1	1.5	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.16	0.16	ppbv		ND	1.0	1.0	ug/m3
110-82-7	84.16	Cyclohexane	1.7	0.80	0.18	ppbv		5.9	2.8	0.62	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.23	ppbv		ND	3.2	0.93	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.16	0.24	ppbv		ND	0.63	0.95	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.28	ppbv		ND	3.2	1.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.25	ppbv		ND	3.7	1.2	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.47	ppbv		ND	2.9	1.7	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.48	0.80	0.42	ppbv	J	2.4	4.0	2.1	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.40	0.21	ppbv		ND	3.4	1.8	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.11	ppbv		ND	3.2	0.44	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.16	0.12	ppbv		ND	0.63	0.48	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.25	ppbv		ND	3.6	1.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.40	0.16	ppbv		ND	2.4	0.96	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.16	0.28	ppbv		ND	0.96	1.7	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.40	0.32	ppbv		ND	2.4	1.9	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.40	ppbv		ND	3.6	1.8	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SV101
Lab Sample ID: JD79054-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A1897
Method: TO-15
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/14/23
Date Received: 12/15/23
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	2.0	1.6	ppbv		ND	3.8	3.0	ug/m3
100-41-4	106.2	Ethylbenzene	0.86	0.80	0.24	ppbv		3.7	3.5	1.0	ug/m3
141-78-6	88	Ethyl Acetate	71.0	0.80	0.42	ppbv		256	2.9	1.5	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.80	0.38	ppbv		ND	3.9	1.9	ug/m3
76-13-1	187.4	Freon 113	ND	0.40	0.12	ppbv		ND	3.1	0.92	ug/m3
76-14-2	170.9	Freon 114	ND	0.40	0.20	ppbv		ND	2.8	1.4	ug/m3
142-82-5	100.2	Heptane	2.3	0.80	0.18	ppbv		9.4	3.3	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.36	0.25	ppbv		ND	3.8	2.7	ug/m3
110-54-3	86.18	Hexane	2.1	0.80	0.21	ppbv		7.4	2.8	0.74	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.58	ppbv		ND	3.3	2.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.79	0.80	0.56	ppbv	J	1.9	2.0	1.4	ug/m3
75-09-2	84.94	Methylene chloride	ND	0.80	0.22	ppbv		ND	2.8	0.76	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.4	0.80	0.44	ppbv		4.1	2.4	1.3	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.29	ppbv		ND	3.3	1.2	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.32	ppbv		ND	2.9	1.2	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.28	ppbv		ND	3.3	1.1	ug/m3
115-07-1	42	Propylene	1.3	2.0	0.57	ppbv	J	2.2	3.4	0.98	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.21	ppbv		ND	3.4	0.89	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.40	0.19	ppbv		ND	2.7	1.3	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	0.15	ppbv		ND	2.2	0.82	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.40	0.48	ppbv		ND	3.0	3.6	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.80	0.35	ppbv		ND	3.9	1.7	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.80	0.32	ppbv		ND	3.9	1.6	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.50	0.80	0.16	ppbv	J	2.3	3.7	0.75	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.70	0.80	0.37	ppbv	J	2.1	2.4	1.1	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.16	0.056	ppbv		ND	1.1	0.38	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.36	ppbv		ND	2.4	1.1	ug/m3
108-88-3	92.14	Toluene	1.4	0.80	0.23	ppbv		5.3	3.0	0.87	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.076	ppbv		ND	0.86	0.41	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.40	0.62	ppbv		ND	2.2	3.5	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.16	0.28	ppbv		ND	0.41	0.72	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.45	ppbv		ND	2.8	1.6	ug/m3
	106.2	m,p-Xylene	2.4	0.80	0.56	ppbv		10	3.5	2.4	ug/m3
95-47-6	106.2	o-Xylene	0.81	0.80	0.31	ppbv		3.5	3.5	1.3	ug/m3
1330-20-7	106.2	Xylenes (total)	3.2	0.80	0.31	ppbv		14	3.5	1.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

SGS Air

AIR CHAIN OF CUSTODY

PAGE 1 OF 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking #: | Bottle Order Control #: PREM-KK-121323-130
SGS Quote #: | SGS Job #: JD79054

Client / Reporting Information

Company Name: SESI
Address: 959 US 46
City: PARSIPPANY State: NJ Zip:
Project Contact: STEVE GUSTUMS E-mail: ssg@sesi.org
Phone #: 973-808-9050 Fax #:

Project Information

Project Name: FRANKLIN COURTS
Street:
City: State:
Project #: 12345.8.1
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 8:00 Maximum: 41°
Stop: 3:00 Minimum: 28°

Atmoshpheric Pressure (inches of Hg)
Start: 8:00 Maximum: 30.56
Stop: 3:00 Minimum:

Other weather comment:

Sampler(s) Name(s): MELISSA MAYFIELD

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor (I) Soil Vap (SV) Ambient (A)	Sampling Equipment Info: Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Requested Analysis: TO-15
1	SV101	SV	A1897	1.4	FC1197	12/14/23	1:15PM	29		MM	12/14/23	1:30PM	3		MM	X

Initial Assessment SAC CB
Validation

Turnaround Time (Business days)

- Standard - 15 Days
- 10 Day
- [X] 5 Day — 1 week — SESI STANDARD
- 3 Day
- 2 Day
- 1 Day
- Other

Approved By:
Date:

Data Deliverable Information

All NJDEP TO-15 is Mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other:
DKQP reporting

Comments / Remarks

Can ID A1521 DO NOT SAMPLE

Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	12/13/23	1 TC 12/15/23 9:21	2 TC 12/15/23	18:41	2
Relinquished by: 3	Date Time: 12/14/23	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

Form:SM088-03D (revised 2-12-18)

http://www.sgs.com/en/terms-and-conditions

JD79054: Chain of Custody
Page 1 of 3

AIR SAMPLING EQUIPMENT RETURN FORM

CLIENT: SESI

PROJECT: Franklin Courts

CONTROL# PREM-KR-121323-130

JOB # JD79054

ADDITIONAL SUMMA CANISTERS	ADDITIONAL CONTROLLERS
2 A1621	FC1276

RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
1		2	
RELINQUISHED BY:	DATE & TIME:	RECEIVED BY:	DATE & TIME:
3		4	
CUSTODY SEAL #'S:		# OF BOXES OR PIECES IN DELIVERY	

NOTES:

SM086-03
Pub date: 3/12/18

JD79054: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: JD79054 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, N

Date / Time Received: 12/15/2023 6:41:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

Summa Canister and Flow Controller Log

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/15/23

SUMMA CANISTERS

Shipping							Receiving					
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1897	1.4	29.4	12/13/23	DG	CP12549	7W04533.D	JD79054-1	12/19/23	TS		1		1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC1276	12/13/23	DG	71	.25	12/23/23	ML	72	1.4	Flow Controller

SGS Bottle Order(s):
PREM-KR-121323-130

Prep Date	Room Temp(F)	Bar Pres "Hg
12/13/23	70	29.92

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD79054

99 Franklin Courts, Tarrytown, NY
Project No: 12345.8.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD79054-1	Collected: 14-DEC-23 13:30 By: MM		Received: 15-DEC-23 By: JK			
SV101						
JD79054-1	TO-15	20-DEC-23 21:28	TCH			VTO15STD

SGS Internal Chain of Custody

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/15/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79054-1.1	Aleandi Rodriguez	Secured Storage	12/16/23 14:50	Return to Storage

METHODRE	LOGINNUM	DATE RECALC	INSTRUMEI	PARM_STC	PARM_SYN	MDLVALUE CURRENT	RDLVALUE	UNITS
TO-15	JD37733	5/4/2023 0:00	GCMS5W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	71-55-6	1,1,1-Trichloroethane	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-34-3	1,1-Dichloroethane	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-35-4	1,1-Dichloroethylene	0.059	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	96-18-4	1,2,3-Trichloropropane	0.05	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	120-82-1	1,2,4-Trichlorobenzene	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	106-93-4	1,2-Dibromoethane (EDB)	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-06-2	1,2-Dichloroethane	0.07	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS2W	78-87-5	1,2-Dichloropropane	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-67-8	1,3,5-Trimethylbenzene	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	106-99-0	1,3-Butadiene	0.084	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	142-28-9	1,3-Dichloropropane	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	123-91-1	1,4-Dioxane	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	540-84-1	2,2,4-Trimethylpentane	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	565-59-3	2,3-Dimethylpentane	0.036	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-08-7	2,4-Dimethylpentane	0.048	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-49-8	2-Chlorotoluene	0.072	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	591-78-6	2-Hexanone	0.15	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-05-1	3-Chloropropene	0.083	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	622-96-8	4-Ethyltoluene	0.095	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	67-64-1	Acetone (2-Propanone)	0.15	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-05-8	Acetonitrile	0.17	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-02-8	Acrolein	0.088	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	107-13-1	Acrylonitrile	0.091	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	71-43-2	Benzene	0.146	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	100-44-7	Benzyl Chloride	0.125	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	108-86-1	Bromobenzene	0.055	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-27-4	Bromodichloromethane	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	593-60-2	Bromoethene	0.061	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-25-2	Bromoform	0.071	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-83-9	Bromomethane	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	75-15-0	Carbon disulfide	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	56-23-5	Carbon tetrachloride	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	108-90-7	Chlorobenzene	0.074	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-45-6	Chlorodifluoromethane	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-00-3	Chloroethane	0.068	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	67-66-3	Chloroform	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-87-3	Chloromethane	0.09	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-38-9	Chlorotrifluoroethene	0.024	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	110-82-7	Cyclohexane	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-20-3	Di-Isopropyl ether	0.082	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	124-48-1	Dibromochloromethane	0.052	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-95-3	Dibromomethane	0.053	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-71-8	Dichlorodifluoromethane	0.104	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-43-4	Dichlorofluoromethane	0.066	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	141-78-6	Ethyl Acetate	0.1	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	140-88-5	Ethyl Acrylate	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	100-41-4	Ethylbenzene	0.061	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	76-13-1	Freon 113	0.031	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	76-14-2	Freon 114	0.05	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	306-83-2	Freon 123	0.035	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	354-23-4	Freon 123A	0.031	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-68-3	Freon 142B	0.07	0.2	ppbv

TO-15	JD37733	5/4/2023 0:00	GCMS2W	75-37-6	Freon 152A	0.06	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	142-82-5	Heptane	0.045	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	87-68-3	Hexachlorobutadiene	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	67-72-1	Hexachloroethane	0.082	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	110-54-3	Hexane	0.052	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	74-88-4	Iodomethane	0.037	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS2W	67-63-0	Isopropyl Alcohol	0.19	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	98-82-8	Isopropylbenzene	0.064	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	1634-04-4	Methyl Tert Butyl Ether	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	78-93-3	Methyl ethyl ketone	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-09-2	Methylene chloride	0.056	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	80-62-6	Methylmethacrylate	0.07	0.2	ppbv
TO-15	JD37790	5/4/2023 0:00	GCMS7W	91-20-3	Naphthalene	0.13	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	111-84-2	Nonane	0.1	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	111-65-9	Octane	0.12	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	109-66-0	Pentane	0.14	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	115-07-1	Propylene	0.14	0.5	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	100-42-5	Styrene	0.053	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	TVHC AS EC	TVHC As Equiv Pentane	0.14	10	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	127-18-4	Tetrachloroethylene	0.014	0.04	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	109-99-9	Tetrahydrofuran	0.09	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-88-3	Toluene	0.057	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	79-01-6	Trichloroethylene	0.019	0.04	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-69-4	Trichlorofluoromethane	0.154	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	108-05-4	Vinyl Acetate	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	75-01-4	Vinyl chloride	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	156-59-2	cis-1,2-Dichloroethylene	0.03	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	M,P-XYLEN	m,p-Xylene	0.14	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	541-73-1	m-Dichlorobenzene	0.04	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	106-97-8	n-Butane	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	104-51-8	n-Butylbenzene	0.11	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	103-65-1	n-Propylbenzene	0.091	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-50-1	o-Dichlorobenzene	0.069	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	95-47-6	o-Xylene	0.077	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS5W	106-46-7	p-Dichlorobenzene	0.079	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	99-87-6	p-Isopropyltoluene	0.08	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	135-98-8	sec-Butylbenzene	0.081	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	98-06-6	tert-Butylbenzene	0.083	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	156-60-5	trans-1,2-Dichloroethylene	0.028	0.2	ppbv
TO-15	JD37733	5/4/2023 0:00	GCMS6W	10061-02-6	trans-1,3-Dichloropropene	0.1	0.2	ppbv
TO-15	JD37790	5/4/2023 0:00	GCMS7W	64-17-5	Ethanol	0.39	0.5	ppbv

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-MB	3W83792.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-MB	3W83792.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-MB	3W83792.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	79%	65-128%

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-MB	7W04527.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-MB	7W04527.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-MB	7W04527.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	93%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-BS	3W83789.D	1	12/20/23	TCH	n/a	n/a	V3W3300
V3W3300-BSD	3W83790.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.1	91	9.1	91	0	70-130/30
106-99-0	1,3-Butadiene	10	9.6	96	9.4	94	2	70-130/30
71-43-2	Benzene	10	11.1	111	11.3	113	2	70-130/30
75-27-4	Bromodichloromethane	10	12.2	122	12.3	123	1	70-130/30
75-25-2	Bromoform	10	12.0	120	12.1	121	1	70-130/30
74-83-9	Bromomethane	10	9.8	98	9.8	98	0	70-130/30
593-60-2	Bromoethene	10	9.9	99	10.0	100	1	70-130/30
100-44-7	Benzyl Chloride	10	9.5	95	9.5	95	0	70-130/30
75-15-0	Carbon disulfide	10	11.6	116	11.7	117	1	70-130/30
108-90-7	Chlorobenzene	10	9.0	90	9.1	91	1	70-130/30
75-00-3	Chloroethane	10	10.1	101	10.0	100	1	70-130/30
67-66-3	Chloroform	10	12.0	120	12.2	122	2	70-130/30
74-87-3	Chloromethane	10	9.9	99	9.8	98	1	70-130/30
107-05-1	3-Chloropropene	10	11.4	114	11.5	115	1	70-130/30
95-49-8	2-Chlorotoluene	10	8.5	85	8.5	85	0	70-130/30
56-23-5	Carbon tetrachloride	10	10.7	107	10.8	108	1	70-130/30
110-82-7	Cyclohexane	10	10.7	107	10.9	109	2	70-130/30
75-34-3	1,1-Dichloroethane	10	11.5	115	11.5	115	0	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.9	109	11.0	110	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	9.6	96	9.7	97	1	70-130/30
107-06-2	1,2-Dichloroethane	10	12.2	122	12.2	122	0	70-130/30
78-87-5	1,2-Dichloropropane	10	11.3	113	11.4	114	1	70-130/30
123-91-1	1,4-Dioxane	10	11.2	112	11.4	114	2	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.5	115	11.7	117	2	70-130/30
124-48-1	Dibromochloromethane	10	9.7	97	9.7	97	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	11.2	112	11.4	114	2	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	11.2	112	11.2	112	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	12.0	120	12.2	122	2	70-130/30
541-73-1	m-Dichlorobenzene	10	9.3	93	9.2	92	1	70-130/30
95-50-1	o-Dichlorobenzene	10	8.9	89	8.9	89	0	70-130/30
106-46-7	p-Dichlorobenzene	10	9.0	90	9.0	90	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	12.1	121	12.4	124	2	70-130/30
64-17-5	Ethanol	10	8.2	82	8.0	80	2	70-130/30
100-41-4	Ethylbenzene	10	10	100	10.1	101	1	70-130/30
141-78-6	Ethyl Acetate	10	12.3	123	12.4	124	1	70-130/30
622-96-8	4-Ethyltoluene	10	9.6	96	9.7	97	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-BS	3W83789.D	1	12/20/23	TCH	n/a	n/a	V3W3300
V3W3300-BSD	3W83790.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.4	104	10.6	106	2	70-130/30
76-14-2	Freon 114	10	11.1	111	11.0	110	1	70-130/30
142-82-5	Heptane	10	10.7	107	10.6	106	1	70-130/30
87-68-3	Hexachlorobutadiene	10	10.2	102	10.1	101	1	70-130/30
110-54-3	Hexane	10	11.2	112	11.2	112	0	70-130/30
591-78-6	2-Hexanone	10	10.6	106	10.6	106	0	70-130/30
67-63-0	Isopropyl Alcohol	10	10.3	103	10.2	102	1	70-130/30
75-09-2	Methylene chloride	10	11.1	111	11.2	112	1	70-130/30
78-93-3	Methyl ethyl ketone	10	12.5	125	12.6	126	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.7	117	11.7	117	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	12.0	120	12.1	121	1	70-130/30
80-62-6	Methylmethacrylate	10	12.1	121	12.3	123	2	70-130/30
115-07-1	Propylene	10	10.0	100	10.0	100	0	70-130/30
100-42-5	Styrene	10	9.3	93	9.3	93	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10	11.6	116	11.7	117	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.2	102	10.3	103	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	11.7	117	11.8	118	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	8.3	83	8.2	82	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	9.7	97	9.8	98	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	9.4	94	9.5	95	1	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	11.2	112	11.2	112	0	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.9	109	11.0	110	1	70-130/30
127-18-4	Tetrachloroethylene	10	9.2	92	9.3	93	1	70-130/30
109-99-9	Tetrahydrofuran	10	12.6	126	12.8	128	2	70-130/30
108-88-3	Toluene	10	11.1	111	11.2	112	1	70-130/30
79-01-6	Trichloroethylene	10	11.4	114	11.5	115	1	70-130/30
75-69-4	Trichlorofluoromethane	10	10.9	109	11.0	110	1	70-130/30
75-01-4	Vinyl chloride	10	10.1	101	10.1	101	0	70-130/30
108-05-4	Vinyl Acetate	10	11.5	115	11.7	117	2	70-130/30
	m,p-Xylene	20	18.9	95	19.0	95	1	70-130/30
95-47-6	o-Xylene	10	9.5	95	9.6	96	1	70-130/30
1330-20-7	Xylenes (total)	30	28.4	95	28.6	95	1	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3W3300-BS	3W83789.D	1	12/20/23	TCH	n/a	n/a	V3W3300
V3W3300-BSD	3W83790.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	93%	93%	65-128%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-BS	7W04524.D	1	12/13/23	TS	n/a	n/a	V7W180
V7W180-BSD	7W04525.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	10.2	102	10.0	100	2	70-130/30
106-99-0	1,3-Butadiene	10	11.3	113	11.0	110	3	70-130/30
71-43-2	Benzene	10	10.4	104	10.3	103	1	70-130/30
75-27-4	Bromodichloromethane	10	12.3	123	12.3	123	0	70-130/30
75-25-2	Bromoform	10	12.3	123	12.3	123	0	70-130/30
74-83-9	Bromomethane	10	10.5	105	10.4	104	1	70-130/30
593-60-2	Bromoethene	10	11.4	114	11.2	112	2	70-130/30
100-44-7	Benzyl Chloride	10	7.7	77	7.9	79	3	70-130/30
75-15-0	Carbon disulfide	10	11.3	113	11.2	112	1	70-130/30
108-90-7	Chlorobenzene	10	10.6	106	10.7	107	1	70-130/30
75-00-3	Chloroethane	10	11.4	114	11.3	113	1	70-130/30
67-66-3	Chloroform	10	10.8	108	10.7	107	1	70-130/30
74-87-3	Chloromethane	10	11.4	114	11.2	112	2	70-130/30
107-05-1	3-Chloropropene	10	11.1	111	10.9	109	2	70-130/30
95-49-8	2-Chlorotoluene	10	10.8	108	10.9	109	1	70-130/30
56-23-5	Carbon tetrachloride	10	12.1	121	12.0	120	1	70-130/30
110-82-7	Cyclohexane	10	10.3	103	10.4	104	1	70-130/30
75-34-3	1,1-Dichloroethane	10	10.5	105	10.3	103	2	70-130/30
75-35-4	1,1-Dichloroethylene	10	10.8	108	10.7	107	1	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.1	111	11.2	112	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.8	108	10.6	106	2	70-130/30
78-87-5	1,2-Dichloropropane	10	10.1	101	10.3	103	2	70-130/30
123-91-1	1,4-Dioxane	10	10.2	102	10.3	103	1	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.1	111	10.9	109	2	70-130/30
124-48-1	Dibromochloromethane	10	13.2	132* [a]	13.1	131* [a]	1	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	10.2	102	10.1	101	1	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	10.5	105	10.2	102	3	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	10.9	109	10.9	109	0	70-130/30
541-73-1	m-Dichlorobenzene	10	11.4	114	11.3	113	1	70-130/30
95-50-1	o-Dichlorobenzene	10	11.2	112	11.2	112	0	70-130/30
106-46-7	p-Dichlorobenzene	10	11.4	114	11.4	114	0	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	10.4	104	10.6	106	2	70-130/30
64-17-5	Ethanol	10	11.3	113	10.9	109	4	70-130/30
100-41-4	Ethylbenzene	10	10.3	103	10.4	104	1	70-130/30
141-78-6	Ethyl Acetate	10	10.3	103	10.4	104	1	70-130/30
622-96-8	4-Ethyltoluene	10	11.0	110	11.3	113	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-BS	7W04524.D	1	12/13/23	TS	n/a	n/a	V7W180
V7W180-BSD	7W04525.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	11.4	114	11.2	112	2	70-130/30
76-14-2	Freon 114	10	11.1	111	11.0	110	1	70-130/30
142-82-5	Heptane	10	9.6	96	9.6	96	0	70-130/30
87-68-3	Hexachlorobutadiene	10	10.3	103	10.5	105	2	70-130/30
110-54-3	Hexane	10	9.8	98	9.7	97	1	70-130/30
591-78-6	2-Hexanone	10	10	100	10.0	100	0	70-130/30
67-63-0	Isopropyl Alcohol	10	10.8	108	10.6	106	2	70-130/30
75-09-2	Methylene chloride	10	10.7	107	10.6	106	1	70-130/30
78-93-3	Methyl ethyl ketone	10	10.7	107	10.5	105	2	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	10.0	100	10.0	100	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.1	101	10.1	101	0	70-130/30
80-62-6	Methylmethacrylate	10	10.2	102	10.2	102	0	70-130/30
115-07-1	Propylene	10	9.3	93	9.2	92	1	70-130/30
100-42-5	Styrene	10	11.1	111	11.1	111	0	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.6	106	10.5	105	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	11.0	110	0	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.3	103	10.4	104	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.7	117	11.8	118	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	11.1	111	11.1	111	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.9	109	10.9	109	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	9.9	99	10.0	100	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.3	103	10.2	102	1	70-130/30
127-18-4	Tetrachloroethylene	10	10.7	107	10.7	107	0	70-130/30
109-99-9	Tetrahydrofuran	10	10.7	107	10.7	107	0	70-130/30
108-88-3	Toluene	10	10.2	102	10.2	102	0	70-130/30
79-01-6	Trichloroethylene	10	10.3	103	10.3	103	0	70-130/30
75-69-4	Trichlorofluoromethane	10	12.0	120	11.8	118	2	70-130/30
75-01-4	Vinyl chloride	10	11.2	112	11.0	110	2	70-130/30
108-05-4	Vinyl Acetate	10	11.7	117	11.4	114	3	70-130/30
	m,p-Xylene	20	20.5	103	20.5	103	0	70-130/30
95-47-6	o-Xylene	10	10.2	102	10.3	103	1	70-130/30
1330-20-7	Xylenes (total)	30	30.7	102	30.8	103	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-BS	7W04524.D	1	12/13/23	TS	n/a	n/a	V7W180
V7W180-BSD	7W04525.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here applies to the following samples: **Method:** TO-15

V7W180-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	94%	95%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78965-1DUP	3W83799.D	1	12/20/23	TCH	n/a	n/a	V3W3300
JD78965-1	3W83798.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	JD78965-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	68.2		70.5		3	25
106-99-0	1,3-Butadiene	30.8		31.6		3	25
71-43-2	Benzene	12.3		12.7		3	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	1.2		1.2		0	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	1.5		1.5		0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	4.4		5.2		17	25
100-41-4	Ethylbenzene	1.0		1.1		10	25
141-78-6	Ethyl Acetate	66.0		67.1		2	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78965-1DUP	3W83799.D	1	12/20/23	TCH	n/a	n/a	V3W3300
JD78965-1	3W83798.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Compound	JD78965-1 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	6.3		6.5		3	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	12.4		12.8		3	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	3.8		4.0		5	25
75-09-2	Methylene chloride	0.49	J	0.55	J	12	25
78-93-3	Methyl ethyl ketone	12.9		13.4		4	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	239	E	246	E	3	25
100-42-5	Styrene	0.44	J	0.45	J	2	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.64	J	0.65	J	2	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	8.5		8.8		3	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	1.8		1.9		5	25
95-47-6	o-Xylene	0.81		0.81		0	25
1330-20-7	Xylenes (total)	2.6		2.7		4	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD78965-1DUP	3W83799.D	1	12/20/23	TCH	n/a	n/a	V3W3300
JD78965-1	3W83798.D	1	12/20/23	TCH	n/a	n/a	V3W3300

The QC reported here applies to the following samples: **Method:** TO-15

JD79054-1

CAS No.	Surrogate Recoveries	DUP	JD78965-1	Limits
460-00-4	4-Bromofluorobenzene	91%	92%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-SCC	7W04529.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here (Summa A1447) applies to the following samples: **Method:** TO-15

Batch CP12549 cleaned 12/09/23: JD79054-1(A1897)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.15	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.045	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.030	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.10	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.028	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.030	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.069	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.079	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-SCC	7W04529.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here (Summa A1447) applies to the following samples: **Method:** TO-15

Batch CP12549 cleaned 12/09/23: JD79054-1(A1897)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.045	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.052	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.053	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.040	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.15	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V7W180-SCC	7W04529.D	1	12/13/23	TS	n/a	n/a	V7W180

The QC reported here (Summa A1447) applies to the following samples: **Method:** TO-15

Batch CP12549 cleaned 12/09/23: JD79054-1(A1897)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	65-128%

Instrument Performance Check (BFB)

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3236-BFB
Lab File ID: 3W82140.D
Instrument ID: GCMS3W
Injection Date: 09/29/23
Injection Time: 22:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	39109	23.3		Pass
75	30.0 - 66.0% of mass 95	78699	46.9		Pass
95	Base peak, 100% relative abundance	167744	100.0		Pass
96	5.0 - 9.0% of mass 95	10910	6.50		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	138421	82.5		Pass
175	4.0 - 9.01% of mass 174	10480	6.25	(7.57) [a]	Pass
176	93.0 - 101.0% of mass 174	136784	81.5	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	8860	5.28	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W3236-IC3236	3W82141.D	09/29/23	23:04	00:39	Initial cal 0.04
V3W3236-IC3236	3W82142.D	09/29/23	23:44	01:19	Initial cal 0.1
V3W3236-IC3236	3W82143.D	09/30/23	00:25	02:00	Initial cal 0.2
V3W3236-IC3236	3W82144.D	09/30/23	01:07	02:42	Initial cal 0.5
V3W3236-IC3236	3W82146.D	09/30/23	02:27	04:02	Initial cal 5
V3W3236-ICC3236	3W82147.D	09/30/23	03:08	04:43	Initial cal 10
V3W3236-IC3236	3W82148.D	09/30/23	03:50	05:25	Initial cal 20
V3W3236-IC3236	3W82149.D	09/30/23	04:36	06:11	Initial cal 40
V3W3236-IC3236	3W82150.D	09/30/23	05:24	06:59	Initial cal 50
V3W3236-ICV3236	3W82153.D	09/30/23	07:31	09:06	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3300-BFB
Lab File ID: 3W83787.D
Instrument ID: GCMS3W
Injection Date: 12/20/23
Injection Time: 08:54

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35571	24.3		Pass
75	30.0 - 66.0% of mass 95	77309	52.8		Pass
95	Base peak, 100% relative abundance	146475	100.0		Pass
96	5.0 - 9.0% of mass 95	9809	6.70		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	122491	83.6		Pass
175	4.0 - 9.01% of mass 174	9612	6.56	(7.85) [a]	Pass
176	93.0 - 101.0% of mass 174	122373	83.5	(99.9) [a]	Pass
177	5.0 - 9.0% of mass 176	8140	5.56	(6.65) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3W3300-CC3236	3W83788.D	12/20/23	09:35	00:41	Continuing cal 10
V3W3300-BS	3W83789.D	12/20/23	10:28	01:34	Blank Spike
V3W3300-BSD	3W83790.D	12/20/23	11:38	02:44	Blank Spike Duplicate
V3W3300-MB	3W83792.D	12/20/23	13:20	04:26	Method Blank
ZZZZZZ	3W83793.D	12/20/23	15:33	06:39	(unrelated sample)
ZZZZZZ	3W83794.D	12/20/23	16:23	07:29	(unrelated sample)
ZZZZZZ	3W83795.D	12/20/23	17:09	08:15	(unrelated sample)
ZZZZZZ	3W83796.D	12/20/23	17:56	09:02	(unrelated sample)
ZZZZZZ	3W83797.D	12/20/23	18:42	09:48	(unrelated sample)
JD78965-1	3W83798.D	12/20/23	19:23	10:29	(used for QC only; not part of job JD79054)
JD78965-1DUP	3W83799.D	12/20/23	20:05	11:11	Duplicate
ZZZZZZ	3W83800.D	12/20/23	20:47	11:53	(unrelated sample)
JD79054-1	3W83801.D	12/20/23	21:28	12:34	SV101
ZZZZZZ	3W83802.D	12/20/23	22:10	13:16	(unrelated sample)
ZZZZZZ	3W83803.D	12/20/23	22:52	13:58	(unrelated sample)
ZZZZZZ	3W83804.D	12/20/23	23:33	14:39	(unrelated sample)
ZZZZZZ	3W83805.D	12/21/23	00:14	15:20	(unrelated sample)
ZZZZZZ	3W83806.D	12/21/23	00:55	16:01	(unrelated sample)
ZZZZZZ	3W83807.D	12/21/23	01:34	16:40	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-BFB
Lab File ID: 7W04084.D
Instrument ID: GCMS7W
Injection Date: 11/19/23
Injection Time: 16:23

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12516	24.9		Pass
75	30.0 - 66.0% of mass 95	24856	49.4		Pass
95	Base peak, 100% relative abundance	50325	100.0		Pass
96	5.0 - 9.0% of mass 95	3542	7.04		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	32875	65.3		Pass
175	4.0 - 9.01% of mass 174	2476	4.92	(7.53) [a]	Pass
176	93.0 - 101.0% of mass 174	32467	64.5	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	2043	4.06	(6.29) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W163-IC0163	7W04085.D	11/19/23	16:57	00:34	Initial cal 0.04
V7W163-IC0163	7W04086.D	11/19/23	17:31	01:08	Initial cal 0.10
V7W163-IC0163	7W04087.D	11/19/23	18:06	01:43	Initial cal 0.20
V7W163-IC0163	7W04088.D	11/19/23	18:43	02:20	Initial cal 0.50
V7W163-IC0163	7W04090.D	11/19/23	19:50	03:27	Initial cal 5
V7W163-ICC0163	7W04091.D	11/19/23	20:26	04:03	Initial cal 10
V7W163-IC0163	7W04092.D	11/19/23	21:04	04:41	Initial cal 20
V7W163-IC0163	7W04093.D	11/19/23	21:44	05:21	Initial cal 40
V7W163-IC0163	7W04094.D	11/19/23	22:26	06:03	Initial cal 50
V7W163-ICV0163	7W04097.D	11/20/23	00:10	07:47	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	V7W180-BFB	**Injection Date:**	12/13/23
Lab File ID:	7W04522.D	**Injection Time:**	08:37
Instrument ID:	GCMS7W		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	12608	25.8		Pass
75	30.0 - 66.0% of mass 95	25904	52.9		Pass
95	Base peak, 100% relative abundance	48957	100.0		Pass
96	5.0 - 9.0% of mass 95	3352	6.85		Pass
173	Less than 2.0% of mass 174	129	0.26	(0.37) [a]	Pass
174	50.0 - 120.0% of mass 95	34469	70.4		Pass
175	4.0 - 9.01% of mass 174	2577	5.26	(7.48) [a]	Pass
176	93.0 - 101.0% of mass 174	34813	71.1	(101.0) [a]	Pass
177	5.0 - 9.0% of mass 176	2161	4.41	(6.21) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W180-CC163	7W04523.D	12/13/23	09:11	00:34	Continuing cal 10
V7W180-BS	7W04524.D	12/13/23	09:51	01:14	Blank Spike
V7W180-BSD	7W04525.D	12/13/23	10:26	01:49	Blank Spike Duplicate
V7W180-MB	7W04527.D	12/13/23	11:45	03:08	Method Blank
V7W180-SCC	7W04529.D	12/13/23	13:00	04:23	Summa Cleaning Certification
V7W180-SCC	7W04530.D	12/13/23	13:34	04:57	Summa Cleaning Certification
V7W180-SCC	7W04531.D	12/13/23	14:08	05:31	Summa Cleaning Certification
V7W180-SCC	7W04532.D	12/13/23	14:43	06:06	Summa Cleaning Certification
V7W180-SCC	7W04533.D	12/13/23	15:18	06:41	Summa Cleaning Certification
ZZZZZZ	7W04534.D	12/13/23	16:09	07:32	(unrelated sample)
ZZZZZZ	7W04535.D	12/13/23	16:55	08:18	(unrelated sample)
JD78632-1	7W04536.D	12/13/23	17:30	08:53	(used for QC only; not part of job JD79054)
JD78632-1DUP	7W04537.D	12/13/23	18:06	09:29	Duplicate
ZZZZZZ	7W04540.D	12/13/23	20:01	11:24	(unrelated sample)
ZZZZZZ	7W04541.D	12/13/23	20:45	12:08	(unrelated sample)
ZZZZZZ	7W04542.D	12/13/23	21:29	12:52	(unrelated sample)
ZZZZZZ	7W04543.D	12/13/23	22:13	13:36	(unrelated sample)
ZZZZZZ	7W04544.D	12/13/23	22:57	14:20	(unrelated sample)
ZZZZZZ	7W04545.D	12/13/23	23:32	14:55	(unrelated sample)
V7W180-SCC	7W04547.D	12/14/23	00:46	16:09	Summa Cleaning Certification
V7W180-SCC	7W04548.D	12/14/23	01:26	16:49	Summa Cleaning Certification
V7W180-SCC	7W04549.D	12/14/23	02:05	17:28	Summa Cleaning Certification
V7W180-SCC	7W04550.D	12/14/23	02:46	18:09	Summa Cleaning Certification
V7W180-SCC	7W04551.D	12/14/23	03:26	18:49	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	V7W180-BFB	**Injection Date:**	12/13/23
Lab File ID:	7W04522.D	**Injection Time:**	08:37
Instrument ID:	GCMS7W		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V7W180-SCC	7W04552.D	12/14/23	04:06	19:29	Summa Cleaning Certification
V7W180-SCC	7W04553.D	12/14/23	04:46	20:09	Summa Cleaning Certification

Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	V3W3300-CC3236	**Injection Date:**	12/20/23
Lab File ID:	3W83788.D	**Injection Time:**	09:35
Instrument ID:	GCMS3W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	96509	7.74	488900	9.44	301184	13.69
Upper Limit [a]	135113	8.07	684460	9.77	421658	14.02
Lower Limit [b]	57905	7.41	293340	9.11	180710	13.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V3W3300-BS	99578	7.74	508348	9.44	311582	13.69
V3W3300-BSD	101635	7.74	516998	9.44	320227	13.68
V3W3300-MB	105951	7.74	536999	9.43	286332	13.69
ZZZZZZ	100347	7.74	501310	9.44	291086	13.69
ZZZZZZ	109444	7.74	540660	9.43	308084	13.69
ZZZZZZ	102797	7.74	501091	9.44	275020	13.69
ZZZZZZ	105729	7.74	521402	9.44	295199	13.69
ZZZZZZ	101959	7.74	500920	9.43	282200	13.69
JD78965-1	103355	7.75	515117	9.44	288050	13.69
JD78965-1DUP	101256	7.75	502715	9.44	281654	13.69
ZZZZZZ	106915	7.74	529418	9.44	300132	13.69
JD79054-1	115577	7.74	577009	9.44	322046	13.69
ZZZZZZ	94257	7.74	494962	9.44	314269	13.69
ZZZZZZ	121719	7.74	603169	9.44	329165	13.69
ZZZZZZ	116135	7.74	577029	9.44	309933	13.69
ZZZZZZ	113039	7.74	558044	9.44	303125	13.68
ZZZZZZ	103057	7.75	520775	9.44	293513	13.69
ZZZZZZ	108737	7.74	542816	9.43	282211	13.69

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	V7W180-CC163	**Injection Date:**	12/13/23
Lab File ID:	7W04523.D	**Injection Time:**	09:11
Instrument ID:	GCMS7W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	40501	3.26	209743	4.55	192457	10.14
Upper Limit [a]	56701	3.59	293640	4.88	269440	10.47
Lower Limit [b]	24301	2.93	125846	4.22	115474	9.81

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V7W180-BS	39040	3.26	204120	4.55	187929	10.14
V7W180-BSD	39811	3.27	204872	4.55	188765	10.14
V7W180-MB	40490	3.26	211680	4.55	191360	10.14
V7W180-SCC	40453	3.26	211691	4.55	191822	10.14
V7W180-SCC	39883	3.26	209719	4.55	187982	10.14
V7W180-SCC	39836	3.26	207579	4.55	187297	10.14
V7W180-SCC	39368	3.26	205562	4.55	187486	10.14
V7W180-SCC	39264	3.26	205420	4.55	186081	10.14
ZZZZZZ	39140	3.26	206347	4.55	187833	10.14
ZZZZZZ	38526	3.26	203043	4.55	183296	10.14
JD78632-1	37139	3.27	196361	4.55	179769	10.14
JD78632-1DUP	36080	3.27	186543	4.55	171773	10.14
ZZZZZZ	38873	3.26	203950	4.55	184214	10.14
ZZZZZZ	38289	3.26	200053	4.55	182136	10.14
ZZZZZZ	38473	3.26	200977	4.55	182944	10.14
ZZZZZZ	38173	3.26	199787	4.55	182213	10.14
ZZZZZZ	37957	3.26	202041	4.55	183607	10.14
ZZZZZZ	38435	3.26	203237	4.55	183881	10.14
V7W180-SCC	38901	3.26	203704	4.55	185039	10.14
V7W180-SCC	38167	3.26	199530	4.55	180332	10.14
V7W180-SCC	37637	3.26	198210	4.55	180713	10.14
V7W180-SCC	38925	3.26	204895	4.55	185227	10.14
V7W180-SCC	37599	3.26	198001	4.55	178898	10.14
V7W180-SCC	37589	3.26	197784	4.55	179027	10.14
V7W180-SCC	37648	3.26	200048	4.55	178761	10.14

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tetrachloroethylene	13.05	13.70	0.953	ok	0.952	0.892-1.012
Trichloroethylene	10.13	9.46	1.071	ok	1.070	1.010-1.130
TVHC As Equiv Pentane	5.72	13.70	0.418	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.76	ok	7.75	7.42-8.08	127049	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	618952	ok	626186	375712-876660
Chlorobenzene-D5	13.70	ok	13.71	13.38-14.04	306048	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.37	7.75	0.693	ok	0.690	0.630-0.750
Acrolein	5.27	7.75	0.680	ok	0.678	0.618-0.738
Acrylonitrile	5.70	7.75	0.735	ok	0.733	0.673-0.793
Acetonitrile	5.18	7.75	0.668	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.75	0.596	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.70	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.08	9.46	1.066	ok	1.066	1.006-1.126
Bromoform	14.42	13.70	1.053	ok	1.053	0.993-1.113
Bromomethane	4.81	7.75	0.621	ok	0.621	0.561-0.681
Bromoethene	5.19	7.75	0.670	ok	0.668	0.608-0.728
n-Butane	4.65	7.75	0.600	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.70	1.242	ok	1.242	1.182-1.302
n-Butylbenzene	17.87	13.70	1.304	ok	1.304	1.244-1.364
sec-Butylbenzene	17.17	13.70	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.70	1.230	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.75	0.812	ok	0.811	0.751-0.871
Chlorobenzene	13.75	13.70	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.19	7.75	0.541	ok	0.539	0.479-0.599
Chloroethane	4.92	7.75	0.635	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.20	7.75	0.542	ok	0.543	0.483-0.603
Chloroform	7.86	7.75	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.75	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.75	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.70	1.172	ok	1.172	1.112-1.232
Carbon tetrachloride	9.28	7.75	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.93	7.75	0.894	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.94	7.75	0.766	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.70	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.75	1.098	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.18	9.46	1.076	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.75	0.550	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.99	7.75	0.644	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.70	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.75	0.872	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.75	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.94	9.46	1.156	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.04	13.70	1.244	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.70	1.279	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.70	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.46	9.46	1.211	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.77	7.75	1.003	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.75	1.102	ok	1.101	1.041-1.161
Ethanol	5.00	7.75	0.645	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.70	1.033	ok	1.032	0.972-1.092
Ethyl Acetate	7.80	7.75	1.006	ok	1.005	0.945-1.065
Ethyl Acrylate	9.91	9.46	1.048	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.70	1.188	ok	1.188	1.128-1.248
Freon 113	6.23	7.75	0.804	ok	0.802	0.742-0.862
Freon 114	4.43	7.75	0.572	ok	0.572	0.512-0.632
Freon 115	4.07	7.75	0.525	ok	0.525	0.465-0.585
Freon 123	5.26	7.75	0.679	ok	0.680	0.620-0.740
Freon 123A	5.31	7.75	0.685	ok	0.684	0.624-0.744
Freon 142B	4.35	7.75	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.75	0.535	ok	0.535	0.475-0.595
Heptane	10.38	9.46	1.097	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.70	1.465	ok	1.464	1.404-1.524
Hexachloroethane	18.30	13.70	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.75	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.19	13.70	0.890	ok	0.888	0.828-0.948
Iodomethane	5.90	7.75	0.761	ok	0.761	0.701-0.821
Isopropylbenzene	15.51	13.70	1.132	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.53	7.75	0.714	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.70	1.268	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.75	0.778	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.27	7.75	0.938	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	11.00	9.46	1.163	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.98	7.75	0.901	ok	0.898	0.838-0.958
Methylmethacrylate	10.31	9.46	1.090	ok	1.089	1.029-1.149
Naphthalene	19.67	13.70	1.436	ok	1.434	1.374-1.494
Nonane	15.09	13.70	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.70	0.941	ok	0.941	0.881-1.001
Pentane	5.72	7.75	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.70	1.176	ok	1.175	1.115-1.235
Propylene	4.19	7.75	0.541	ok	0.542	0.482-0.602
Styrene	14.73	13.70	1.075	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.75	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.74	13.70	1.003	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.70	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.54	13.70	1.426	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	14.99	13.70	1.094	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.37	13.70	1.268	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.86	13.70	1.231	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.38	13.70	1.196	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.98	7.75	0.772	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.70	0.953	ok	0.952	0.892-1.012
Tetrahydrofuran	8.28	7.75	1.068	ok	1.063	1.003-1.123
Toluene	11.91	9.46	1.259	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.75	0.706	ok	0.705	0.645-0.765
Vinyl chloride	4.53	7.75	0.585	ok	0.584	0.524-0.644
m,p-Xylene	14.34	13.70	1.047	ok	1.047	0.987-1.107
o-Xylene	14.85	13.70	1.084	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.70	0.418	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.75	ok	7.75	7.42-8.08	126923	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	613255	ok	626186	375712-876660
Chlorobenzene-D5	13.70	ok	13.71	13.38-14.04	306811	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.36	7.75	0.692	ok	0.690	0.630-0.750
Acrolein	5.27	7.75	0.680	ok	0.678	0.618-0.738
Acrylonitrile	5.69	7.75	0.734	ok	0.733	0.673-0.793
Acetonitrile	5.19	7.75	0.670	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.75	0.596	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.70	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.08	9.46	1.066	ok	1.066	1.006-1.126
Bromoform	14.43	13.70	1.053	ok	1.053	0.993-1.113
Bromomethane	4.82	7.75	0.622	ok	0.621	0.561-0.681
Bromoethene	5.18	7.75	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.75	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.70	1.242	ok	1.242	1.182-1.302
n-Butylbenzene	17.87	13.70	1.304	ok	1.304	1.244-1.364
sec-Butylbenzene	17.17	13.70	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.70	1.230	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.75	0.812	ok	0.811	0.751-0.871
Chlorobenzene	13.75	13.70	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.75	0.539	ok	0.539	0.479-0.599
Chloroethane	4.92	7.75	0.635	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.75	0.543	ok	0.543	0.483-0.603
Chloroform	7.86	7.75	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.75	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.75	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.70	1.172	ok	1.172	1.112-1.232
Carbon tetrachloride	9.28	7.75	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.92	7.75	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.94	7.75	0.766	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.70	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.75	1.098	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.17	9.46	1.075	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.75	0.550	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.98	7.75	0.643	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.70	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.75	0.872	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.75	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.95	9.46	1.158	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.03	13.70	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.70	1.279	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.70	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.45	9.46	1.210	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.77	7.75	1.003	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.75	1.102	ok	1.101	1.041-1.161
Ethanol	5.00	7.75	0.645	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.70	1.033	ok	1.032	0.972-1.092
Ethyl Acetate	7.80	7.75	1.006	ok	1.005	0.945-1.065
Ethyl Acrylate	9.91	9.46	1.048	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.70	1.188	ok	1.188	1.128-1.248
Freon 113	6.22	7.75	0.803	ok	0.802	0.742-0.862
Freon 114	4.44	7.75	0.573	ok	0.572	0.512-0.632
Freon 115	4.07	7.75	0.525	ok	0.525	0.465-0.585
Freon 123	5.27	7.75	0.680	ok	0.680	0.620-0.740
Freon 123A	5.30	7.75	0.684	ok	0.684	0.624-0.744
Freon 142B	4.35	7.75	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.75	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.70	1.465	ok	1.464	1.404-1.524
Hexachloroethane	18.30	13.70	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.75	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.19	13.70	0.890	ok	0.888	0.828-0.948
Iodomethane	5.90	7.75	0.761	ok	0.761	0.701-0.821
Isopropylbenzene	15.51	13.70	1.132	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.52	7.75	0.712	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.70	1.268	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.75	0.778	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.27	7.75	0.938	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	11.00	9.46	1.163	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.98	7.75	0.901	ok	0.898	0.838-0.958
Methylmethacrylate	10.31	9.46	1.090	ok	1.089	1.029-1.149
Naphthalene	19.66	13.70	1.435	ok	1.434	1.374-1.494
Nonane	15.09	13.70	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.70	0.941	ok	0.941	0.881-1.001
Pentane	5.72	7.75	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.70	1.176	ok	1.175	1.115-1.235
Propylene	4.20	7.75	0.542	ok	0.542	0.482-0.602
Styrene	14.74	13.70	1.076	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.75	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.73	13.70	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.70	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,3-Trichloropropane	14.99	13.70	1.094	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.36	13.70	1.267	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.86	13.70	1.231	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.37	13.70	1.195	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.97	7.75	0.770	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.70	0.953	ok	0.952	0.892-1.012
Tetrahydrofuran	8.26	7.75	1.066	ok	1.063	1.003-1.123
Toluene	11.90	9.46	1.258	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.75	0.706	ok	0.705	0.645-0.765
Vinyl chloride	4.52	7.75	0.583	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.75	0.906	ok	0.905	0.845-0.965
m,p-Xylene	14.34	13.70	1.047	ok	1.047	0.987-1.107
o-Xylene	14.85	13.70	1.084	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.70	0.418	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.75	ok	7.75	7.42-8.08	127757	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	619715	ok	626186	375712-876660
Chlorobenzene-D5	13.70	ok	13.71	13.38-14.04	308877	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.36	7.75	0.692	ok	0.690	0.630-0.750
Acrolein	5.26	7.75	0.679	ok	0.678	0.618-0.738
Acrylonitrile	5.69	7.75	0.734	ok	0.733	0.673-0.793
Acetonitrile	5.17	7.75	0.667	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.75	0.596	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.70	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.08	9.46	1.066	ok	1.066	1.006-1.126
Bromoform	14.43	13.70	1.053	ok	1.053	0.993-1.113
Bromomethane	4.81	7.75	0.621	ok	0.621	0.561-0.681
Bromoethene	5.18	7.75	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.75	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.70	1.242	ok	1.242	1.182-1.302
n-Butylbenzene	17.86	13.70	1.304	ok	1.304	1.244-1.364
sec-Butylbenzene	17.17	13.70	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.70	1.230	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.75	0.812	ok	0.811	0.751-0.871
Chlorobenzene	13.75	13.70	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.75	0.539	ok	0.539	0.479-0.599
Chloroethane	4.92	7.75	0.635	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.75	0.543	ok	0.543	0.483-0.603
Chloroform	7.86	7.75	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.75	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.75	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.70	1.172	ok	1.172	1.112-1.232
Carbon tetrachloride	9.28	7.75	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.92	7.75	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.95	7.75	0.768	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.70	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.75	1.098	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.16	9.46	1.074	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.75	0.550	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.98	7.75	0.643	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.70	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.75	0.872	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.75	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.94	9.46	1.156	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.03	13.70	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.70	1.279	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.70	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.46	9.46	1.211	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.76	7.75	1.001	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.75	1.102	ok	1.101	1.041-1.161
Ethanol	5.00	7.75	0.645	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.70	1.033	ok	1.032	0.972-1.092
Ethyl Acetate	7.80	7.75	1.006	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.70	1.188	ok	1.188	1.128-1.248
Freon 113	6.22	7.75	0.803	ok	0.802	0.742-0.862
Freon 114	4.44	7.75	0.573	ok	0.572	0.512-0.632
Freon 115	4.07	7.75	0.525	ok	0.525	0.465-0.585
Freon 123	5.27	7.75	0.680	ok	0.680	0.620-0.740
Freon 123A	5.30	7.75	0.684	ok	0.684	0.624-0.744
Freon 142B	4.35	7.75	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.75	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.70	1.465	ok	1.464	1.404-1.524
Hexachloroethane	18.30	13.70	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.75	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.18	13.70	0.889	ok	0.888	0.828-0.948
Iodomethane	5.90	7.75	0.761	ok	0.761	0.701-0.821
Isopropylbenzene	15.50	13.70	1.131	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.51	7.75	0.711	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.70	1.268	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.75	0.778	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.25	7.75	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.99	9.46	1.162	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.97	7.75	0.899	ok	0.898	0.838-0.958
Methylmethacrylate	10.31	9.46	1.090	ok	1.089	1.029-1.149
Naphthalene	19.66	13.70	1.435	ok	1.434	1.374-1.494
Nonane	15.09	13.70	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.70	0.941	ok	0.941	0.881-1.001
Pentane	5.72	7.75	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.70	1.176	ok	1.175	1.115-1.235
Propylene	4.21	7.75	0.543	ok	0.542	0.482-0.602
Styrene	14.73	13.70	1.075	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.75	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.73	13.70	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.70	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,3-Trichloropropane	14.99	13.70	1.094	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.36	13.70	1.267	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.85	13.70	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.37	13.70	1.195	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.96	7.75	0.769	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.70	0.953	ok	0.952	0.892-1.012
Tetrahydrofuran	8.25	7.75	1.065	ok	1.063	1.003-1.123
Toluene	11.90	9.46	1.258	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.75	0.706	ok	0.705	0.645-0.765
Vinyl chloride	4.53	7.75	0.585	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.75	0.906	ok	0.905	0.845-0.965
m,p-Xylene	14.34	13.70	1.047	ok	1.047	0.987-1.107
o-Xylene	14.85	13.70	1.084	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.70	0.418	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.75	ok	7.75	7.42-8.08	124215	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	603269	ok	626186	375712-876660
Chlorobenzene-D5	13.70	ok	13.71	13.38-14.04	303769	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	Reporting this level
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.35	7.75	0.690	ok	0.690	0.630-0.750
Acrolein	5.26	7.75	0.679	ok	0.678	0.618-0.738
Acrylonitrile	5.68	7.75	0.733	ok	0.733	0.673-0.793
Acetonitrile	5.17	7.75	0.667	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.75	0.596	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.70	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.08	9.46	1.066	ok	1.066	1.006-1.126
Bromoform	14.43	13.70	1.053	ok	1.053	0.993-1.113
Bromomethane	4.81	7.75	0.621	ok	0.621	0.561-0.681
Bromoethene	5.18	7.75	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.75	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.70	1.242	ok	1.242	1.182-1.302
n-Butylbenzene	17.86	13.70	1.304	ok	1.304	1.244-1.364
sec-Butylbenzene	17.17	13.70	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.70	1.230	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.75	0.812	ok	0.811	0.751-0.871
Chlorobenzene	13.75	13.70	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.75	0.539	ok	0.539	0.479-0.599
Chloroethane	4.93	7.75	0.636	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.75	0.543	ok	0.543	0.483-0.603
Chloroform	7.86	7.75	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.75	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.75	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.70	1.172	ok	1.172	1.112-1.232
Carbon tetrachloride	9.29	7.75	1.199	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.92	7.75	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.94	7.75	0.766	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.70	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.75	1.098	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.13	9.46	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.75	0.550	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.98	7.75	0.643	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.70	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.75	0.872	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	Reporting this level
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.75	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.94	9.46	1.156	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.03	13.70	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.70	1.279	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.70	1.250	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.45	9.46	1.210	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.76	7.75	1.001	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.75	1.102	ok	1.101	1.041-1.161
Ethanol	4.99	7.75	0.644	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.70	1.033	ok	1.032	0.972-1.092
Ethyl Acetate	7.78	7.75	1.004	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.70	1.188	ok	1.188	1.128-1.248
Freon 113	6.22	7.75	0.803	ok	0.802	0.742-0.862
Freon 114	4.44	7.75	0.573	ok	0.572	0.512-0.632
Freon 115	4.07	7.75	0.525	ok	0.525	0.465-0.585
Freon 123	5.27	7.75	0.680	ok	0.680	0.620-0.740
Freon 123A	5.31	7.75	0.685	ok	0.684	0.624-0.744
Freon 142B	4.35	7.75	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.75	0.535	ok	0.535	0.475-0.595
Heptane	10.38	9.46	1.097	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.06	13.70	1.464	ok	1.464	1.404-1.524
Hexachloroethane	18.30	13.70	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.75	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.16	13.70	0.888	ok	0.888	0.828-0.948
Iodomethane	5.90	7.75	0.761	ok	0.761	0.701-0.821
Isopropylbenzene	15.51	13.70	1.132	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.51	7.75	0.711	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.70	1.268	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.75	0.778	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.24	7.75	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.98	9.46	1.161	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.96	7.75	0.898	ok	0.898	0.838-0.958
Methylmethacrylate	10.30	9.46	1.089	ok	1.089	1.029-1.149
Naphthalene	19.65	13.70	1.434	ok	1.434	1.374-1.494
Nonane	15.09	13.70	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.70	0.941	ok	0.941	0.881-1.001
Pentane	5.72	7.75	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	Reporting this level
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.70	1.176	ok	1.175	1.115-1.235
Propylene	4.21	7.75	0.543	ok	0.542	0.482-0.602
Styrene	14.73	13.70	1.075	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.75	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.73	13.70	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.70	1.084	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.53	13.70	1.426	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	14.99	13.70	1.094	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.36	13.70	1.267	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.85	13.70	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.37	13.70	1.195	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.95	7.75	0.768	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.70	0.953	ok	0.952	0.892-1.012
Tetrahydrofuran	8.23	7.75	1.062	ok	1.063	1.003-1.123
Toluene	11.90	9.46	1.258	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.75	0.706	ok	0.705	0.645-0.765
Vinyl chloride	4.52	7.75	0.583	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.75	0.906	ok	0.905	0.845-0.965
m,p-Xylene	14.34	13.70	1.047	ok	1.047	0.987-1.107
o-Xylene	14.85	13.70	1.084	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.70	0.418	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.75	ok	7.75	7.42-8.08	124779	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	604897	ok	626186	375712-876660
Chlorobenzene-D5	13.70	ok	13.71	13.38-14.04	315841	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.35	7.75	0.690	ok	0.690	0.630-0.750
Acrolein	5.26	7.75	0.679	ok	0.678	0.618-0.738
Acrylonitrile	5.68	7.75	0.733	ok	0.733	0.673-0.793
Acetonitrile	5.16	7.75	0.666	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.75	0.596	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.71	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.08	9.46	1.066	ok	1.066	1.006-1.126
Bromoform	14.43	13.71	1.053	ok	1.053	0.993-1.113
Bromomethane	4.81	7.75	0.621	ok	0.621	0.561-0.681
Bromoethene	5.18	7.75	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.75	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.71	1.241	ok	1.242	1.182-1.302
n-Butylbenzene	17.86	13.71	1.303	ok	1.304	1.244-1.364
sec-Butylbenzene	17.17	13.71	1.252	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.71	1.229	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.75	0.812	ok	0.811	0.751-0.871
Chlorobenzene	13.75	13.71	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.75	0.539	ok	0.539	0.479-0.599
Chloroethane	4.93	7.75	0.636	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.75	0.543	ok	0.543	0.483-0.603
Chloroform	7.86	7.75	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.75	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.75	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.71	1.171	ok	1.172	1.112-1.232
Carbon tetrachloride	9.29	7.75	1.199	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.92	7.75	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.95	7.75	0.768	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.71	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.75	1.098	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.13	9.46	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.75	0.550	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.99	7.75	0.644	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.71	0.899	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.75	0.872	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.75	0.982	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.94	9.46	1.156	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.04	13.71	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.71	1.278	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.71	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.45	9.46	1.210	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.76	7.75	1.001	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.75	1.102	ok	1.101	1.041-1.161
Ethanol	5.00	7.75	0.645	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.71	1.032	ok	1.032	0.972-1.092
Ethyl Acetate	7.78	7.75	1.004	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.71	1.187	ok	1.188	1.128-1.248
Freon 113	6.22	7.75	0.803	ok	0.802	0.742-0.862
Freon 114	4.44	7.75	0.573	ok	0.572	0.512-0.632
Freon 115	4.07	7.75	0.525	ok	0.525	0.465-0.585
Freon 123	5.27	7.75	0.680	ok	0.680	0.620-0.740
Freon 123A	5.31	7.75	0.685	ok	0.684	0.624-0.744
Freon 142B	4.35	7.75	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.75	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.71	1.464	ok	1.464	1.404-1.524
Hexachloroethane	18.30	13.71	1.335	ok	1.335	1.275-1.395
Hexane	7.77	7.75	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.16	13.71	0.887	ok	0.888	0.828-0.948
Iodomethane	5.90	7.75	0.761	ok	0.761	0.701-0.821
Isopropylbenzene	15.51	13.71	1.131	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.51	7.75	0.711	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.71	1.267	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.75	0.778	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.24	7.75	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.97	9.46	1.160	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.96	7.75	0.898	ok	0.898	0.838-0.958
Methylmethacrylate	10.30	9.46	1.089	ok	1.089	1.029-1.149
Naphthalene	19.65	13.71	1.433	ok	1.434	1.374-1.494
Nonane	15.10	13.71	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.71	0.940	ok	0.941	0.881-1.001
Pentane	5.72	7.75	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.71	1.175	ok	1.175	1.115-1.235
Propylene	4.21	7.75	0.543	ok	0.542	0.482-0.602
Styrene	14.73	13.71	1.074	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.75	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.73	13.71	1.001	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.71	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.53	13.71	1.425	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	14.99	13.71	1.093	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.36	13.71	1.266	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.86	13.71	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.37	13.71	1.194	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.96	7.75	0.769	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.71	0.952	ok	0.952	0.892-1.012
Tetrahydrofuran	8.23	7.75	1.062	ok	1.063	1.003-1.123
Toluene	11.90	9.46	1.258	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.75	0.706	ok	0.705	0.645-0.765
Vinyl chloride	4.52	7.75	0.583	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.75	0.906	ok	0.905	0.845-0.965
m,p-Xylene	14.34	13.71	1.046	ok	1.047	0.987-1.107
o-Xylene	14.85	13.71	1.083	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.71	0.417	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.75	ok	7.75	7.42-8.08	125853	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	621106	ok	626186	375712-876660
Chlorobenzene-D5	13.71	ok	13.71	13.38-14.04	334567	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.35	7.76	0.689	ok	0.690	0.630-0.750
Acrolein	5.25	7.76	0.677	ok	0.678	0.618-0.738
Acrylonitrile	5.68	7.76	0.732	ok	0.733	0.673-0.793
Acetonitrile	5.16	7.76	0.665	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.76	0.595	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.71	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.09	9.46	1.067	ok	1.066	1.006-1.126
Bromoform	14.43	13.71	1.053	ok	1.053	0.993-1.113
Bromomethane	4.82	7.76	0.621	ok	0.621	0.561-0.681
Bromoethene	5.18	7.76	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.76	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.71	1.241	ok	1.242	1.182-1.302
n-Butylbenzene	17.86	13.71	1.303	ok	1.304	1.244-1.364
sec-Butylbenzene	17.18	13.71	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.71	1.229	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.76	0.811	ok	0.811	0.751-0.871
Chlorobenzene	13.76	13.71	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.76	0.539	ok	0.539	0.479-0.599
Chloroethane	4.93	7.76	0.635	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.76	0.543	ok	0.543	0.483-0.603
Chloroform	7.86	7.76	1.013	ok	1.014	0.954-1.074
Chloromethane	4.38	7.76	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.76	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	16.06	13.71	1.171	ok	1.172	1.112-1.232
Carbon tetrachloride	9.29	7.76	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.93	7.76	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.95	7.76	0.767	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.71	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.76	1.097	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.90	9.46	1.047	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.13	9.46	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.76	0.549	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.99	7.76	0.643	ok	0.643	0.583-0.703
Dibromochloromethane	12.33	13.71	0.899	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.76	0.871	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.76	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.94	9.46	1.156	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.04	13.71	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.71	1.278	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.71	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.45	9.46	1.210	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.77	7.76	1.001	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.76	1.101	ok	1.101	1.041-1.161
Ethanol	5.00	7.76	0.644	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.71	1.032	ok	1.032	0.972-1.092
Ethyl Acetate	7.78	7.76	1.003	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.71	1.187	ok	1.188	1.128-1.248
Freon 113	6.22	7.76	0.802	ok	0.802	0.742-0.862
Freon 114	4.44	7.76	0.572	ok	0.572	0.512-0.632
Freon 115	4.07	7.76	0.524	ok	0.525	0.465-0.585
Freon 123	5.27	7.76	0.679	ok	0.680	0.620-0.740
Freon 123A	5.31	7.76	0.684	ok	0.684	0.624-0.744
Freon 142B	4.35	7.76	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.76	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.71	1.464	ok	1.464	1.404-1.524
Hexachloroethane	18.31	13.71	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.76	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.16	13.71	0.887	ok	0.888	0.828-0.948
Iodomethane	5.90	7.76	0.760	ok	0.761	0.701-0.821
Isopropylbenzene	15.51	13.71	1.131	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.51	7.76	0.710	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.71	1.267	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.76	0.777	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.24	7.76	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.98	9.46	1.161	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.96	7.76	0.897	ok	0.898	0.838-0.958
Methylmethacrylate	10.30	9.46	1.089	ok	1.089	1.029-1.149
Naphthalene	19.66	13.71	1.434	ok	1.434	1.374-1.494
Nonane	15.10	13.71	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.71	0.940	ok	0.941	0.881-1.001
Pentane	5.72	7.76	0.737	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.71	1.175	ok	1.175	1.115-1.235
Propylene	4.21	7.76	0.543	ok	0.542	0.482-0.602
Styrene	14.74	13.71	1.075	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.76	1.125	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.74	13.71	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.71	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.53	13.71	1.425	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	14.99	13.71	1.093	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.37	13.71	1.267	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.86	13.71	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.37	13.71	1.194	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.96	7.76	0.768	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.71	0.952	ok	0.952	0.892-1.012
Tetrahydrofuran	8.22	7.76	1.059	ok	1.063	1.003-1.123
Toluene	11.90	9.46	1.258	ok	1.258	1.198-1.318
Trichloroethylene	10.12	9.46	1.070	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.76	0.705	ok	0.705	0.645-0.765
Vinyl chloride	4.53	7.76	0.584	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.76	0.905	ok	0.905	0.845-0.965
m,p-Xylene	14.35	13.71	1.047	ok	1.047	0.987-1.107
o-Xylene	14.85	13.71	1.083	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.71	0.417	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.76	ok	7.75	7.42-8.08	126592	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	642020	ok	626186	375712-876660
Chlorobenzene-D5	13.71	ok	13.71	13.38-14.04	362613	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.34	7.76	0.688	ok	0.690	0.630-0.750
Acrolein	5.25	7.76	0.677	ok	0.678	0.618-0.738
Acrylonitrile	5.68	7.76	0.732	ok	0.733	0.673-0.793
Acetonitrile	5.16	7.76	0.665	ok	0.667	0.607-0.727
1,3-Butadiene	4.61	7.76	0.594	ok	0.596	0.536-0.656
Benzene	9.15	9.46	0.967	ok	0.967	0.907-1.027
Bromobenzene	15.61	13.71	1.139	ok	1.139	1.079-1.199
Bromodichloromethane	10.09	9.46	1.067	ok	1.066	1.006-1.126
Bromoform	14.44	13.71	1.053	ok	1.053	0.993-1.113
Bromomethane	4.81	7.76	0.620	ok	0.621	0.561-0.681
Bromoethene	5.18	7.76	0.668	ok	0.668	0.608-0.728
n-Butane	4.65	7.76	0.599	ok	0.601	0.541-0.661
Benzyl Chloride	17.02	13.71	1.241	ok	1.242	1.182-1.302
n-Butylbenzene	17.87	13.71	1.303	ok	1.304	1.244-1.364
sec-Butylbenzene	17.18	13.71	1.253	ok	1.253	1.193-1.313
tert-Butylbenzene	16.85	13.71	1.229	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.76	0.811	ok	0.811	0.751-0.871
Chlorobenzene	13.76	13.71	1.004	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.76	0.539	ok	0.539	0.479-0.599
Chloroethane	4.92	7.76	0.634	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.76	0.543	ok	0.543	0.483-0.603
Chloroform	7.87	7.76	1.014	ok	1.014	0.954-1.074
Chloromethane	4.37	7.76	0.563	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.76	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	16.07	13.71	1.172	ok	1.172	1.112-1.232
Carbon tetrachloride	9.29	7.76	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.92	7.76	0.892	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.94	7.76	0.765	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.58	13.71	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.76	1.097	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.91	9.46	1.048	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.93	9.46	1.261	ok	1.261	1.201-1.321
1,4-Dioxane	10.13	9.46	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.76	0.549	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.98	7.76	0.642	ok	0.643	0.583-0.703
Dibromochloromethane	12.34	13.71	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.88	9.46	1.044	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.76	0.871	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.76	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.95	9.46	1.158	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.04	13.71	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.52	13.71	1.278	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.12	13.71	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.46	9.46	1.211	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.76	7.76	1.000	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.60	9.46	1.015	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.76	1.101	ok	1.101	1.041-1.161
Ethanol	5.00	7.76	0.644	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.71	1.032	ok	1.032	0.972-1.092
Ethyl Acetate	7.78	7.76	1.003	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.28	13.71	1.187	ok	1.188	1.128-1.248
Freon 113	6.21	7.76	0.800	ok	0.802	0.742-0.862
Freon 114	4.43	7.76	0.571	ok	0.572	0.512-0.632
Freon 115	4.07	7.76	0.524	ok	0.525	0.465-0.585
Freon 123	5.27	7.76	0.679	ok	0.680	0.620-0.740
Freon 123A	5.30	7.76	0.683	ok	0.684	0.624-0.744
Freon 142B	4.35	7.76	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.76	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.71	1.464	ok	1.464	1.404-1.524
Hexachloroethane	18.31	13.71	1.336	ok	1.335	1.275-1.395
Hexane	7.77	7.76	1.001	ok	1.002	0.942-1.062
2-Hexanone	12.17	13.71	0.888	ok	0.888	0.828-0.948
Iodomethane	5.90	7.76	0.760	ok	0.761	0.701-0.821
Isopropylbenzene	15.52	13.71	1.132	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.51	7.76	0.710	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.37	13.71	1.267	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.76	0.777	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.24	7.76	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.98	9.46	1.161	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.96	7.76	0.897	ok	0.898	0.838-0.958
Methylmethacrylate	10.30	9.46	1.089	ok	1.089	1.029-1.149
Naphthalene	19.66	13.71	1.434	ok	1.434	1.374-1.494
Nonane	15.10	13.71	1.101	ok	1.101	1.041-1.161
Octane	12.89	13.71	0.940	ok	0.941	0.881-1.001
Pentane	5.72	7.76	0.737	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	Reporting this level
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.71	1.175	ok	1.175	1.115-1.235
Propylene	4.20	7.76	0.541	ok	0.542	0.482-0.602
Styrene	14.74	13.71	1.075	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.73	7.76	1.125	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.74	13.71	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.85	13.71	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.54	13.71	1.425	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	14.99	13.71	1.093	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.37	13.71	1.267	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.87	13.71	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.38	13.71	1.195	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.14	9.46	1.072	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.96	7.76	0.768	ok	0.769	0.709-0.829
Tetrachloroethylene	13.05	13.71	0.952	ok	0.952	0.892-1.012
Tetrahydrofuran	8.22	7.76	1.059	ok	1.063	1.003-1.123
Toluene	11.91	9.46	1.259	ok	1.258	1.198-1.318
Trichloroethylene	10.13	9.46	1.071	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.76	0.705	ok	0.705	0.645-0.765
Vinyl chloride	4.52	7.76	0.582	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.76	0.905	ok	0.905	0.845-0.965
m,p-Xylene	14.35	13.71	1.047	ok	1.047	0.987-1.107
o-Xylene	14.86	13.71	1.084	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.71	0.417	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.76	ok	7.75	7.42-8.08	122430	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	656094	ok	626186	375712-876660
Chlorobenzene-D5	13.71	ok	13.71	13.38-14.04	403693	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	5.35	7.76	0.689	ok	0.690	0.630-0.750
Acrolein	5.26	7.76	0.678	ok	0.678	0.618-0.738
Acrylonitrile	5.68	7.76	0.732	ok	0.733	0.673-0.793
Acetonitrile	5.17	7.76	0.666	ok	0.667	0.607-0.727
1,3-Butadiene	4.62	7.76	0.595	ok	0.596	0.536-0.656
Benzene	9.16	9.46	0.968	ok	0.967	0.907-1.027
Bromobenzene	15.62	13.72	1.138	ok	1.139	1.079-1.199
Bromodichloromethane	10.10	9.46	1.068	ok	1.066	1.006-1.126
Bromoform	14.44	13.72	1.052	ok	1.053	0.993-1.113
Bromomethane	4.81	7.76	0.620	ok	0.621	0.561-0.681
Bromoethene	5.18	7.76	0.668	ok	0.668	0.608-0.728
n-Butane	4.66	7.76	0.601	ok	0.601	0.541-0.661
Benzyl Chloride	17.03	13.72	1.241	ok	1.242	1.182-1.302
n-Butylbenzene	17.88	13.72	1.303	ok	1.304	1.244-1.364
sec-Butylbenzene	17.18	13.72	1.252	ok	1.253	1.193-1.313
tert-Butylbenzene	16.86	13.72	1.229	ok	1.229	1.169-1.289
Carbon disulfide	6.29	7.76	0.811	ok	0.811	0.751-0.871
Chlorobenzene	13.76	13.72	1.003	ok	1.003	0.943-1.063
Chlorodifluoromethane	4.18	7.76	0.539	ok	0.539	0.479-0.599
Chloroethane	4.93	7.76	0.635	ok	0.635	0.575-0.695
Chlorotrifluoroethene	4.21	7.76	0.543	ok	0.543	0.483-0.603
Chloroform	7.87	7.76	1.014	ok	1.014	0.954-1.074
Chloromethane	4.38	7.76	0.564	ok	0.564	0.504-0.624
3-Chloropropene	6.12	7.76	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	16.07	13.72	1.171	ok	1.172	1.112-1.232
Carbon tetrachloride	9.29	7.76	1.197	ok	1.198	1.138-1.258
Cyclohexane	9.40	9.46	0.994	ok	0.994	0.934-1.054
1,1-Dichloroethane	6.93	7.76	0.893	ok	0.893	0.833-0.953
1,1-Dichloroethylene	5.95	7.76	0.767	ok	0.767	0.707-0.827
1,2-Dibromoethane (EDB)	12.59	13.72	0.918	ok	0.918	0.858-0.978
1,2-Dichloroethane	8.51	7.76	1.097	ok	1.098	1.038-1.158
1,2-Dichloropropane	9.91	9.46	1.048	ok	1.047	0.987-1.107
1,3-Dichloropropane	11.94	9.46	1.262	ok	1.261	1.201-1.321
1,4-Dioxane	10.13	9.46	1.071	ok	1.072	1.012-1.132
Dichlorodifluoromethane	4.26	7.76	0.549	ok	0.549	0.489-0.609
Dichlorofluoromethane	4.99	7.76	0.643	ok	0.643	0.583-0.703
Dibromochloromethane	12.35	13.72	0.900	ok	0.900	0.840-0.960
Dibromomethane	9.89	9.46	1.045	ok	1.045	0.985-1.105
trans-1,2-Dichloroethylene	6.76	7.76	0.871	ok	0.872	0.812-0.932

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	7.61	7.76	0.981	ok	0.981	0.921-1.041
cis-1,3-Dichloropropene	10.95	9.46	1.158	ok	1.157	1.097-1.217
m-Dichlorobenzene	17.05	13.72	1.243	ok	1.243	1.183-1.303
o-Dichlorobenzene	17.53	13.72	1.278	ok	1.278	1.218-1.338
p-Dichlorobenzene	17.13	13.72	1.249	ok	1.249	1.189-1.309
trans-1,3-Dichloropropene	11.46	9.46	1.211	ok	1.211	1.151-1.271
Di-Isopropyl ether	7.77	7.76	1.001	ok	1.001	0.941-1.061
2,3-Dimethylpentane	9.61	9.46	1.016	ok	1.015	0.955-1.075
2,4-Dimethylpentane	8.54	7.76	1.101	ok	1.101	1.041-1.161
Ethanol	5.00	7.76	0.644	ok	0.645	0.585-0.705
Ethylbenzene	14.15	13.72	1.031	ok	1.032	0.972-1.092
Ethyl Acetate	7.79	7.76	1.004	ok	1.005	0.945-1.065
Ethyl Acrylate	9.89	9.46	1.045	ok	1.046	0.986-1.106
4-Ethyltoluene	16.29	13.72	1.187	ok	1.188	1.128-1.248
Freon 113	6.22	7.76	0.802	ok	0.802	0.742-0.862
Freon 114	4.44	7.76	0.572	ok	0.572	0.512-0.632
Freon 115	4.07	7.76	0.524	ok	0.525	0.465-0.585
Freon 123	5.27	7.76	0.679	ok	0.680	0.620-0.740
Freon 123A	5.31	7.76	0.684	ok	0.684	0.624-0.744
Freon 142B	4.35	7.76	0.561	ok	0.561	0.501-0.621
Freon 152A	4.15	7.76	0.535	ok	0.535	0.475-0.595
Heptane	10.39	9.46	1.098	ok	1.098	1.038-1.158
Hexachlorobutadiene	20.07	13.72	1.463	ok	1.464	1.404-1.524
Hexachloroethane	18.31	13.72	1.335	ok	1.335	1.275-1.395
Hexane	7.78	7.76	1.003	ok	1.002	0.942-1.062
2-Hexanone	12.18	13.72	0.888	ok	0.888	0.828-0.948
Iodomethane	5.90	7.76	0.760	ok	0.761	0.701-0.821
Isopropylbenzene	15.52	13.72	1.131	ok	1.132	1.072-1.192
Isopropyl Alcohol	5.52	7.76	0.711	ok	0.711	0.651-0.771
p-Isopropyltoluene	17.38	13.72	1.267	ok	1.267	1.207-1.327
Methylene chloride	6.03	7.76	0.777	ok	0.778	0.718-0.838
Methyl ethyl ketone	7.24	7.76	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	10.98	9.46	1.161	ok	1.161	1.101-1.221
Methyl Tert Butyl Ether	6.96	7.76	0.897	ok	0.898	0.838-0.958
Methylmethacrylate	10.31	9.46	1.090	ok	1.089	1.029-1.149
Naphthalene	19.66	13.72	1.433	ok	1.434	1.374-1.494
Nonane	15.10	13.72	1.101	ok	1.101	1.041-1.161
Octane	12.90	13.72	0.940	ok	0.941	0.881-1.001
Pentane	5.73	7.76	0.738	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V3W3236-IC3236	3W82141.D	09/29/23 23:04	BK	0.04	GCMS3W	TO-15	
V3W3236-IC3236	3W82142.D	09/29/23 23:44	BK	0.1	GCMS3W	TO-15	
V3W3236-IC3236	3W82143.D	09/30/23 00:25	BK	0.2	GCMS3W	TO-15	
V3W3236-IC3236	3W82144.D	09/30/23 01:07	BK	0.5	GCMS3W	TO-15	
V3W3236-IC3236	3W82146.D	09/30/23 02:27	BK	5	GCMS3W	TO-15	
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	BK	10	GCMS3W	TO-15	
V3W3236-IC3236	3W82148.D	09/30/23 03:50	BK	20	GCMS3W	TO-15	
V3W3236-IC3236	3W82149.D	09/30/23 04:36	BK	40	GCMS3W	TO-15	
V3W3236-IC3236	3W82150.D	09/30/23 05:24	BK	50	GCMS3W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
n-Propylbenzene	16.11	13.72	1.174	ok	1.175	1.115-1.235
Propylene	4.21	7.76	0.543	ok	0.542	0.482-0.602
Styrene	14.74	13.72	1.074	ok	1.075	1.015-1.135
1,1,1-Trichloroethane	8.74	7.76	1.126	ok	1.126	1.066-1.186
1,1,1,2-Tetrachloroethane	13.75	13.72	1.002	ok	1.002	0.942-1.062
1,1,2,2-Tetrachloroethane	14.86	13.72	1.083	ok	1.084	1.024-1.144
1,1,2-Trichloroethane	11.63	9.46	1.229	ok	1.229	1.169-1.289
1,2,4-Trichlorobenzene	19.54	13.72	1.424	ok	1.425	1.365-1.485
1,2,3-Trichloropropane	15.00	13.72	1.093	ok	1.094	1.034-1.154
1,2,3-Trimethylbenzene	17.37	13.72	1.266	ok	1.267	1.207-1.327
1,2,4-Trimethylbenzene	16.87	13.72	1.230	ok	1.230	1.170-1.290
1,3,5-Trimethylbenzene	16.38	13.72	1.194	ok	1.195	1.135-1.255
2,2,4-Trimethylpentane	10.15	9.46	1.073	ok	1.072	1.012-1.132
Tertiary Butyl Alcohol	5.97	7.76	0.769	ok	0.769	0.709-0.829
Tetrachloroethylene	13.06	13.72	0.952	ok	0.952	0.892-1.012
Tetrahydrofuran	8.22	7.76	1.059	ok	1.063	1.003-1.123
Toluene	11.91	9.46	1.259	ok	1.258	1.198-1.318
Trichloroethylene	10.13	9.46	1.071	ok	1.070	1.010-1.130
Trichlorofluoromethane	5.47	7.76	0.705	ok	0.705	0.645-0.765
Vinyl chloride	4.53	7.76	0.584	ok	0.584	0.524-0.644
Vinyl Acetate	7.02	7.76	0.905	ok	0.905	0.845-0.965
m,p-Xylene	14.35	13.72	1.046	ok	1.047	0.987-1.107
o-Xylene	14.86	13.72	1.083	ok	1.084	1.024-1.144
TVHC As Equiv Pentane	5.72	13.72	0.417	ok	0.417	0.357-0.477

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	7.76	ok	7.75	7.42-8.08	119396	ok	124999	74999-174999
1,4-Difluorobenzene	9.46	ok	9.46	9.13-9.79	656365	ok	626186	375712-876660
Chlorobenzene-D5	13.72	ok	13.71	13.38-14.04	416746	ok	339885	203931-475839

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.84	10.14	1.365	ok	1.366	1.306-1.426
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.22	10.14	1.008	ok	1.008	0.948-1.068
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.612	1.552-1.672
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethylbenzene	11.10	10.14	1.095	ok	1.095	1.035-1.155
Ethyl Acrylate	5.05	4.56	1.107	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.555	1.495-1.615
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Heptane	5.55	4.56	1.217	ok	1.218	1.158-1.278
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.91	4.56	1.735	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.58	10.14	1.339	ok	1.340	1.280-1.400
Octane	9.16	4.56	2.009	ok	2.012	1.952-2.072
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.14	1.579	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.738	0.678-0.798
Tetrachloroethylene	9.01	4.56	1.976	ok	1.979	1.919-2.039
Toluene	7.28	4.56	1.596	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.56	1.125	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.668	0.608-0.728
m,p-Xylene	11.50	10.14	1.134	ok	1.136	1.076-1.196
o-Xylene	12.46	10.14	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	39006	ok	39169	23501-54837
1,4-Difluorobenzene	4.56	ok	4.55	4.22-4.88	203893	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	186831	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.06	3.27	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.85	10.14	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.115	1.055-1.175
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
n-Butylbenzene	17.43	10.14	1.719	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.14	1.665	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.14	1.635	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.14	1.007	ok	1.008	0.948-1.068
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
2-Chlorotoluene	14.97	10.14	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.55	1.077	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901
cis-1,2-Dichloroethylene	3.20	3.27	0.979	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.55	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.55	1.484	ok	1.483	1.423-1.543
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethylbenzene	11.10	10.14	1.095	ok	1.095	1.035-1.155
Ethyl Acrylate	5.03	4.55	1.105	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Heptane	5.54	4.55	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.91	4.55	1.738	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.98	10.14	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.02	3.27	0.924	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.23	4.55	1.369	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.55	1.198	ok	1.196	1.136-1.256
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.58	10.14	1.339	ok	1.340	1.280-1.400
Octane	9.16	4.55	2.013	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.33	10.14	1.512	ok	1.511	1.451-1.571
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.91	3.27	1.196	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.14	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.14	1.230	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.14	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.22	4.55	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.738	0.678-0.798

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tetrachloroethylene	9.00	4.55	1.978	ok	1.979	1.919-2.039
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.14	4.55	1.130	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.46	10.14	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	40304	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	208835	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	189984	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.06	3.27	0.630	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.85	10.14	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.115	1.055-1.175
Bromoform	11.34	10.14	1.118	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.14	1.645	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.14	1.719	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.14	1.665	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.14	1.635	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.21	10.14	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.97	10.14	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.15	4.55	1.791	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
1,4-Dioxane	5.26	4.55	1.156	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.81	4.55	1.716	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.06	4.55	1.332	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.55	1.484	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.55	1.033	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethylbenzene	11.10	10.14	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.35	3.27	1.024	ok	1.020	0.960-1.080
Ethyl Acrylate	5.04	4.55	1.108	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.55	4.55	1.220	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.89	4.55	1.734	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.98	10.14	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.23	4.55	1.369	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.46	4.55	1.200	ok	1.196	1.136-1.256
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.55	2.013	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.14	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.14	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.55	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.738	0.678-0.798
Tetrachloroethylene	9.01	4.55	1.980	ok	1.979	1.919-2.039
Tetrahydrofuran	3.59	3.27	1.098	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.55	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.885	0.825-0.945
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.47	10.14	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	39080	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	203445	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	189483	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.14	3.27	0.654	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.84	10.15	1.364	ok	1.366	1.306-1.426
Bromodichloromethane	5.08	4.56	1.114	ok	1.115	1.055-1.175
Bromoform	11.34	10.15	1.117	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.15	1.643	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.15	1.717	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.15	1.663	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.15	1.633	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.22	10.15	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.98	10.15	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.56	0.974	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.16	4.56	1.789	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.612	1.552-1.672
1,4-Dioxane	5.23	4.56	1.147	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.82	4.56	1.715	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.56	1.066	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.76	3.27	0.844	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.15	1.640	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.15	1.680	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.15	1.649	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.34	3.27	1.021	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	2.00	3.27	0.612	ok	0.607	0.547-0.667
Ethylbenzene	11.10	10.15	1.094	ok	1.095	1.035-1.155
Ethyl Acetate	3.34	3.27	1.021	ok	1.020	0.960-1.080
Ethyl Acrylate	5.03	4.56	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.15	1.554	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.55	4.56	1.217	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.15	1.838	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.15	1.735	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.90	4.56	1.732	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.98	10.15	1.377	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.22	3.27	0.679	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.15	1.682	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.01	3.27	0.920	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.22	4.56	1.364	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.88	3.27	0.881	ok	0.877	0.817-0.937
Methylmethacrylate	5.45	4.56	1.195	ok	1.196	1.136-1.256
Naphthalene	18.40	10.15	1.813	ok	1.814	1.754-1.874
Nonane	13.59	10.15	1.339	ok	1.340	1.280-1.400
Octane	9.16	4.56	2.009	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.32	10.15	1.509	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.25	10.15	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.23	10.15	1.008	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.47	10.15	1.229	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.15	1.808	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.15	1.257	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.15	1.675	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.15	1.634	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.01	10.15	1.577	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.43	3.27	0.743	ok	0.738	0.678-0.798
Tetrachloroethylene	9.02	4.56	1.978	ok	1.979	1.919-2.039
Tetrahydrofuran	3.58	3.27	1.095	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.56	1.125	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.19	3.27	0.670	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.885	0.825-0.945
m,p-Xylene	11.53	10.15	1.136	ok	1.136	1.076-1.196
o-Xylene	12.45	10.15	1.227	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.15	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	39101	ok	39169	23501-54837
1,4-Difluorobenzene	4.56	ok	4.55	4.22-4.88	201964	ok	201522	120913-282131
Chlorobenzene-D5	10.15	ok	10.14	9.81-10.47	184053	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	Reporting this level
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.85	10.14	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.07	4.55	1.114	ok	1.115	1.055-1.175
Bromoform	11.35	10.14	1.119	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.14	1.645	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.14	1.719	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.14	1.665	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.14	1.635	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.22	10.14	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.98	10.14	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.16	4.55	1.793	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.55	1.077	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
1,4-Dioxane	5.16	4.55	1.134	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.82	4.55	1.719	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	Reporting this level
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.55	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.55	1.484	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.69	4.55	1.031	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	1.99	3.27	0.609	ok	0.607	0.547-0.667
Ethylbenzene	11.10	10.14	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.54	4.55	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.87	4.55	1.730	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.98	10.14	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.21	3.27	0.676	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	3.00	3.27	0.917	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.19	4.55	1.360	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.196	1.136-1.256
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.55	2.013	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	Reporting this level
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.23	10.14	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.14	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.55	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.41	3.27	0.737	ok	0.738	0.678-0.798
Tetrachloroethylene	9.01	4.55	1.980	ok	1.979	1.919-2.039
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.55	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.90	3.27	0.887	ok	0.885	0.825-0.945
m,p-Xylene	11.53	10.14	1.137	ok	1.136	1.076-1.196
o-Xylene	12.47	10.14	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	39370	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	204623	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	189202	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.85	10.14	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.08	4.55	1.116	ok	1.115	1.055-1.175
Bromoform	11.34	10.14	1.118	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.14	1.645	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.14	1.719	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.14	1.665	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.14	1.635	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.22	10.14	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.98	10.14	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.16	4.55	1.793	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.89	4.55	1.075	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.81	4.55	1.716	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.55	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.14	1.642	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.14	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.14	1.651	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.55	1.484	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.55	1.033	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	1.98	3.27	0.606	ok	0.607	0.547-0.667
Ethylbenzene	11.10	10.14	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.01	4.55	1.101	ok	1.104	1.044-1.164
4-Ethyltoluene	15.77	10.14	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.54	4.55	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.98	10.14	1.379	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.20	3.27	0.673	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.14	1.683	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	2.99	3.27	0.914	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.43	4.55	1.193	ok	1.196	1.136-1.256
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.59	10.14	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.55	2.013	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.32	10.14	1.511	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.25	10.14	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.14	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.14	1.231	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.76	10.14	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.14	1.677	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.59	10.14	1.636	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.14	1.580	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.55	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.27	0.734	ok	0.738	0.678-0.798
Tetrachloroethylene	9.01	4.55	1.980	ok	1.979	1.919-2.039
Tetrahydrofuran	3.56	3.27	1.089	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.55	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.89	3.27	0.884	ok	0.885	0.825-0.945
m,p-Xylene	11.49	10.14	1.133	ok	1.136	1.076-1.196
o-Xylene	12.47	10.14	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	38723	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	196685	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	183788	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.86	10.15	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.08	4.55	1.116	ok	1.115	1.055-1.175
Bromoform	11.35	10.15	1.118	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.15	1.643	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.15	1.717	ok	1.718	1.658-1.778
sec-Butylbenzene	16.88	10.15	1.663	ok	1.664	1.604-1.724
tert-Butylbenzene	16.58	10.15	1.633	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.22	10.15	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.98	10.15	1.476	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.16	4.55	1.793	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.55	1.077	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
1,4-Dioxane	5.15	4.55	1.132	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.82	4.55	1.719	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.55	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.65	10.15	1.640	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.05	10.15	1.680	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.74	10.15	1.649	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.55	1.484	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.55	1.033	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	1.98	3.27	0.606	ok	0.607	0.547-0.667
Ethylbenzene	11.11	10.15	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.78	10.15	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.54	4.55	1.218	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.15	1.838	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.15	1.735	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.99	10.15	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.20	3.27	0.673	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.07	10.15	1.682	ok	1.683	1.623-1.743
Methylene chloride	2.43	3.27	0.743	ok	0.742	0.682-0.802
Methyl ethyl ketone	2.99	3.27	0.914	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.17	4.55	1.356	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.196	1.136-1.256
Naphthalene	18.40	10.15	1.813	ok	1.814	1.754-1.874
Nonane	13.60	10.15	1.340	ok	1.340	1.280-1.400
Octane	9.16	4.55	2.013	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.32	10.15	1.509	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.25	10.15	1.207	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.15	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.48	10.15	1.230	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.15	1.808	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.77	10.15	1.258	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.00	10.15	1.675	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.60	10.15	1.635	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.02	10.15	1.578	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.55	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.27	0.734	ok	0.738	0.678-0.798
Tetrachloroethylene	9.01	4.55	1.980	ok	1.979	1.919-2.039
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.13	4.55	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.89	3.27	0.884	ok	0.885	0.825-0.945
m,p-Xylene	11.54	10.15	1.137	ok	1.136	1.076-1.196
o-Xylene	12.47	10.15	1.229	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.15	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	38285	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	196951	ok	201522	120913-282131
Chlorobenzene-D5	10.15	ok	10.14	9.81-10.47	183926	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.13	3.27	0.651	ok	0.652	0.592-0.712
Acrolein	2.09	3.27	0.639	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.86	10.14	1.367	ok	1.366	1.306-1.426
Bromodichloromethane	5.08	4.56	1.114	ok	1.115	1.055-1.175
Bromoform	11.35	10.14	1.119	ok	1.119	1.059-1.179
Bromomethane	1.91	3.27	0.584	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.68	10.14	1.645	ok	1.644	1.584-1.704
n-Butylbenzene	17.43	10.14	1.719	ok	1.718	1.658-1.778
sec-Butylbenzene	16.89	10.14	1.666	ok	1.664	1.604-1.724
tert-Butylbenzene	16.59	10.14	1.636	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.23	10.14	1.009	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.47	3.27	0.755	ok	0.755	0.695-0.815
2-Chlorotoluene	14.99	10.14	1.478	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.56	0.974	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.17	4.56	1.792	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.56	1.075	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.56	1.610	ok	1.612	1.552-1.672
1,4-Dioxane	5.14	4.56	1.127	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.82	4.56	1.715	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.56	1.066	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.56	1.331	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.66	10.14	1.643	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.06	10.14	1.682	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.75	10.14	1.652	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.75	4.56	1.480	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.56	1.031	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	1.98	3.27	0.606	ok	0.607	0.547-0.667
Ethylbenzene	11.11	10.14	1.096	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.56	1.101	ok	1.104	1.044-1.164
4-Ethyltoluene	15.78	10.14	1.556	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.73	3.27	0.529	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.55	4.56	1.217	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.14	1.840	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.14	1.737	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.56	1.724	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.99	10.14	1.380	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.20	3.27	0.673	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.08	10.14	1.684	ok	1.683	1.623-1.743
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	2.99	3.27	0.914	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.18	4.56	1.355	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.56	1.193	ok	1.196	1.136-1.256
Naphthalene	18.40	10.14	1.815	ok	1.814	1.754-1.874
Nonane	13.60	10.14	1.341	ok	1.340	1.280-1.400
Octane	9.17	4.56	2.011	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.33	10.14	1.512	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	Reporting this level
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.26	10.14	1.209	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.14	1.010	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.49	10.14	1.232	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.56	1.515	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.35	10.14	1.810	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.77	10.14	1.259	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.01	10.14	1.678	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.60	10.14	1.637	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.03	10.14	1.581	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.56	1.147	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.27	0.734	ok	0.738	0.678-0.798
Tetrachloroethylene	9.02	4.56	1.978	ok	1.979	1.919-2.039
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.28	4.56	1.596	ok	1.599	1.539-1.659
Trichloroethylene	5.14	4.56	1.127	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.89	3.27	0.884	ok	0.885	0.825-0.945
m,p-Xylene	11.55	10.14	1.139	ok	1.136	1.076-1.196
o-Xylene	12.48	10.14	1.231	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.14	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	39741	ok	39169	23501-54837
1,4-Difluorobenzene	4.56	ok	4.55	4.22-4.88	200491	ok	201522	120913-282131
Chlorobenzene-D5	10.14	ok	10.14	9.81-10.47	187676	ok	186493	111896-261090

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.12	3.27	0.648	ok	0.652	0.592-0.712
Acrolein	2.08	3.27	0.636	ok	0.639	0.579-0.699
Acrylonitrile	2.27	3.27	0.694	ok	0.694	0.634-0.754
Acetonitrile	2.05	3.27	0.627	ok	0.628	0.568-0.688
1,3-Butadiene	1.83	3.27	0.560	ok	0.560	0.500-0.620
Benzene	4.23	3.27	1.294	ok	1.294	1.234-1.354
Bromobenzene	13.86	10.15	1.366	ok	1.366	1.306-1.426
Bromodichloromethane	5.08	4.55	1.116	ok	1.115	1.055-1.175
Bromoform	11.36	10.15	1.119	ok	1.119	1.059-1.179
Bromomethane	1.90	3.27	0.581	ok	0.584	0.524-0.644
Bromoethene	2.06	3.27	0.630	ok	0.630	0.570-0.690
n-Butane	1.85	3.27	0.566	ok	0.566	0.506-0.626
Benzyl Chloride	16.69	10.15	1.644	ok	1.644	1.584-1.704
n-Butylbenzene	17.44	10.15	1.718	ok	1.718	1.658-1.778
sec-Butylbenzene	16.89	10.15	1.664	ok	1.664	1.604-1.724
tert-Butylbenzene	16.59	10.15	1.634	ok	1.635	1.575-1.695
Carbon disulfide	2.52	3.27	0.771	ok	0.771	0.711-0.831
Chlorobenzene	10.23	10.15	1.008	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.66	3.27	0.508	ok	0.508	0.448-0.568
Chloroethane	1.96	3.27	0.599	ok	0.599	0.539-0.659
Chlorotrifluoroethene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Chloroform	3.34	3.27	1.021	ok	1.021	0.961-1.081
Chloromethane	1.73	3.27	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.46	3.27	0.752	ok	0.755	0.695-0.815
2-Chlorotoluene	14.99	10.15	1.477	ok	1.477	1.417-1.537
Carbon tetrachloride	4.34	3.27	1.327	ok	1.327	1.267-1.387
Cyclohexane	4.44	4.55	0.976	ok	0.975	0.915-1.035
1,1-Dichloroethane	2.83	3.27	0.865	ok	0.865	0.805-0.925
1,1-Dichloroethylene	2.39	3.27	0.731	ok	0.731	0.671-0.791
1,2-Dibromoethane (EDB)	8.17	4.55	1.796	ok	1.792	1.732-1.852
1,2-Dichloroethane	3.75	3.27	1.147	ok	1.147	1.087-1.207
1,2-Dichloropropane	4.90	4.55	1.077	ok	1.076	1.016-1.136
1,3-Dichloropropane	7.34	4.55	1.613	ok	1.612	1.552-1.672
1,4-Dioxane	5.14	4.55	1.130	ok	1.137	1.077-1.197
Dichlorodifluoromethane	1.69	3.27	0.517	ok	0.517	0.457-0.577
Dichlorofluoromethane	1.98	3.27	0.606	ok	0.606	0.546-0.666
Dibromochloromethane	7.82	4.55	1.719	ok	1.717	1.657-1.777
Dibromomethane	4.86	4.55	1.068	ok	1.068	1.008-1.128
trans-1,2-Dichloroethylene	2.75	3.27	0.841	ok	0.841	0.781-0.901

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	3.19	3.27	0.976	ok	0.976	0.916-1.036
cis-1,3-Dichloropropene	6.07	4.55	1.334	ok	1.333	1.273-1.393
m-Dichlorobenzene	16.66	10.15	1.641	ok	1.642	1.582-1.702
o-Dichlorobenzene	17.06	10.15	1.681	ok	1.681	1.621-1.741
p-Dichlorobenzene	16.75	10.15	1.650	ok	1.651	1.591-1.711
trans-1,3-Dichloropropene	6.76	4.55	1.486	ok	1.483	1.423-1.543
Di-Isopropyl ether	3.33	3.27	1.018	ok	1.019	0.959-1.079
2,3-Dimethylpentane	4.70	4.55	1.033	ok	1.032	0.972-1.092
2,4-Dimethylpentane	3.84	3.27	1.174	ok	1.174	1.114-1.234
Ethanol	1.98	3.27	0.606	ok	0.607	0.547-0.667
Ethylbenzene	11.11	10.15	1.095	ok	1.095	1.035-1.155
Ethyl Acetate	3.33	3.27	1.018	ok	1.020	0.960-1.080
Ethyl Acrylate	5.02	4.55	1.103	ok	1.104	1.044-1.164
4-Ethyltoluene	15.78	10.15	1.555	ok	1.555	1.495-1.615
Freon 113	2.52	3.27	0.771	ok	0.771	0.711-0.831
Freon 114	1.76	3.27	0.538	ok	0.538	0.478-0.598
Freon 123	2.10	3.27	0.642	ok	0.642	0.582-0.702
Freon 123A	2.12	3.27	0.648	ok	0.648	0.588-0.708
Freon 142B	1.72	3.27	0.526	ok	0.529	0.469-0.589
Freon 152A	1.65	3.27	0.505	ok	0.505	0.445-0.565
Heptane	5.55	4.55	1.220	ok	1.218	1.158-1.278
Hexachlorobutadiene	18.66	10.15	1.838	ok	1.840	1.780-1.900
Hexachloroethane	17.61	10.15	1.735	ok	1.736	1.676-1.796
Hexane	3.32	3.27	1.015	ok	1.015	0.955-1.075
2-Hexanone	7.86	4.55	1.727	ok	1.731	1.671-1.791
Iodomethane	2.36	3.27	0.722	ok	0.722	0.662-0.782
Isopropylbenzene	13.99	10.15	1.378	ok	1.379	1.319-1.439
Isopropyl Alcohol	2.20	3.27	0.673	ok	0.675	0.615-0.735
p-Isopropyltoluene	17.08	10.15	1.683	ok	1.683	1.623-1.743
Methylene chloride	2.42	3.27	0.740	ok	0.742	0.682-0.802
Methyl ethyl ketone	2.99	3.27	0.914	ok	0.917	0.857-0.977
Methyl Isobutyl Ketone	6.18	4.55	1.358	ok	1.361	1.301-1.421
Methyl Tert Butyl Ether	2.86	3.27	0.875	ok	0.877	0.817-0.937
Methylmethacrylate	5.44	4.55	1.196	ok	1.196	1.136-1.256
Naphthalene	18.41	10.15	1.814	ok	1.814	1.754-1.874
Nonane	13.60	10.15	1.340	ok	1.340	1.280-1.400
Octane	9.17	4.55	2.015	ok	2.012	1.952-2.072
Pentane	2.30	3.27	0.703	ok	0.703	0.643-0.763
n-Propylbenzene	15.33	10.15	1.510	ok	1.511	1.451-1.571

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V7W163-IC0163	7W04085.D	11/19/23 16:57	TS	0.04	GCMS7W	TO-15	
V7W163-IC0163	7W04086.D	11/19/23 17:31	TS	0.10	GCMS7W	TO-15	
V7W163-IC0163	7W04087.D	11/19/23 18:06	TS	0.20	GCMS7W	TO-15	
V7W163-IC0163	7W04088.D	11/19/23 18:43	TS	0.50	GCMS7W	TO-15	
V7W163-IC0163	7W04090.D	11/19/23 19:50	TS	5	GCMS7W	TO-15	
V7W163-ICC0163	7W04091.D	11/19/23 20:26	TS	10	GCMS7W	TO-15	
V7W163-IC0163	7W04092.D	11/19/23 21:04	TS	20	GCMS7W	TO-15	
V7W163-IC0163	7W04093.D	11/19/23 21:44	TS	40	GCMS7W	TO-15	
V7W163-IC0163	7W04094.D	11/19/23 22:26	TS	50	GCMS7W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	1.67	3.27	0.511	ok	0.511	0.451-0.571
Styrene	12.26	10.15	1.208	ok	1.208	1.148-1.268
1,1,1-Trichloroethane	3.92	3.27	1.199	ok	1.198	1.138-1.258
1,1,1,2-Tetrachloroethane	10.24	10.15	1.009	ok	1.009	0.949-1.069
1,1,2,2-Tetrachloroethane	12.50	10.15	1.232	ok	1.230	1.170-1.290
1,1,2-Trichloroethane	6.91	4.55	1.519	ok	1.518	1.458-1.578
1,2,4-Trichlorobenzene	18.36	10.15	1.809	ok	1.809	1.749-1.869
1,2,3-Trichloropropane	12.78	10.15	1.259	ok	1.258	1.198-1.318
1,2,3-Trimethylbenzene	17.01	10.15	1.676	ok	1.676	1.616-1.736
1,2,4-Trimethylbenzene	16.60	10.15	1.635	ok	1.636	1.576-1.696
1,3,5-Trimethylbenzene	16.03	10.15	1.579	ok	1.579	1.519-1.639
2,2,4-Trimethylpentane	5.23	4.55	1.149	ok	1.148	1.088-1.208
Tertiary Butyl Alcohol	2.40	3.27	0.734	ok	0.738	0.678-0.798
Tetrachloroethylene	9.02	4.55	1.982	ok	1.979	1.919-2.039
Tetrahydrofuran	3.55	3.27	1.086	ok	1.091	1.031-1.151
Toluene	7.28	4.55	1.600	ok	1.599	1.539-1.659
Trichloroethylene	5.14	4.55	1.130	ok	1.127	1.067-1.187
Trichlorofluoromethane	2.18	3.27	0.667	ok	0.668	0.608-0.728
Vinyl chloride	1.79	3.27	0.547	ok	0.547	0.487-0.607
Vinyl Acetate	2.89	3.27	0.884	ok	0.885	0.825-0.945
m,p-Xylene	11.55	10.15	1.138	ok	1.136	1.076-1.196
o-Xylene	12.48	10.15	1.230	ok	1.229	1.169-1.289
TVHC As Equiv Pentane	2.30	10.15	0.227	ok	0.227	0.167-0.287

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.27	ok	3.27	2.94-3.60	38913	ok	39169	23501-54837
1,4-Difluorobenzene	4.55	ok	4.55	4.22-4.88	196808	ok	201522	120913-282131
Chlorobenzene-D5	10.15	ok	10.14	9.81-10.47	183494	ok	186493	111896-261090

Surrogate Recovery Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD79054-1	3W83801.D	88
JD78965-1DUP	3W83799.D	91
V3W3300-BS	3W83789.D	93
V3W3300-BSD	3W83790.D	93
V3W3300-MB	3W83792.D	79
V7W180-SCC	7W04529.D	91
V7W180-BS	7W04524.D	94
V7W180-BSD	7W04525.D	95
V7W180-MB	7W04527.D	93

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3236-ICC3236
Lab FileID: 3W82147.D

Response Factor Report GCMS-3W

Method : C:\msdchem\1\methods\M3W3236.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Sun Oct 01 13:19:11 2023
Response via : Initial Calibration

Calibration Files
0.04=3w82141.D 0.1 =3w82142.D 0.2 =3w82143.D 0.5 =3w82144.D
5 =3w82146.D 10 =3w82147.D 20 =3w82148.D 40 =3w82149.D
50 =3w82150.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115	1.497	1.490	0.796	1.554	1.485					1.364	23.38
3) FREON 152A	0.807	0.822	0.852	0.853	0.870	0.869	0.904	0.933		0.864	4.72
4) CHLORODIFLUOROMETHANE	0.263	0.334	0.341	0.357	0.363	0.368	0.379	0.392		0.350	11.35
5) CHLOROTRIFLUOROETHENE	1.571	1.672	1.694	1.765	1.783	1.767	1.762	1.797		1.727	4.42
6) DICHLORODIFLUOROMETHANE	3.949	3.953	3.996	4.006	4.045	4.008	4.011	4.103		4.009	1.23
7) PROPYLENE	1.705	1.650	1.569	1.576	1.578	1.563	1.571	1.584		1.600	3.17
8) 1-CHLORO-1,1-DIFLUOROETHANE	2.825	2.724	2.752	2.746	2.751	2.713	2.707	2.742		2.745	1.33
9) FREON 114	2.977	3.042	3.086	3.063	3.117	3.056	2.979	2.955		3.034	1.91
10) CHLOROMETHANE	0.569	0.528	0.550	0.534	0.532	0.528	0.522	0.533		0.537	2.83
11) VINYL CHLORIDE	1.406	1.391	1.446	1.452	1.485	1.472	1.480	1.527		1.457	3.02
12) 1,3-BUTADIENE	1.129	1.165	1.189	1.247	1.275	1.253	1.246	1.262		1.221	4.32
13) n-BUTANE	4.548	3.974	3.370	2.803	2.804	2.684	2.571	2.568		3.165	23.30
14) BROMOMETHANE	1.409	1.186	1.191	1.088	1.099	1.073	1.075	1.119		1.155	9.76
15) CHLOROETHANE	0.623	0.686	0.638	0.658	0.674	0.679	0.682	0.707		0.668	4.08
16) DICHLOROFLUOROMETHANE	2.704	2.693	2.713	2.710	2.737	2.711	2.685	2.767		2.715	0.97
17) ACETONITRILE	2.574	1.655	1.546	1.539	1.521	1.505	1.530			1.696	23.02
18) ACROLEIN	0.759	0.652	0.694	0.709	0.742	0.760	0.777	0.796		0.736	6.49
19) FREON 123	2.847	2.895	2.937	2.913	2.929	2.921	2.920	2.967		2.916	1.19
20) FREON 123A	1.599	1.657	1.641	1.618	1.659	1.652	1.657	1.684		1.646	1.61
21) TRICHLOROFLUOROMETHANE	3.384	3.463	3.489	3.442	3.484	3.483	3.491	3.556		3.474	1.40
22) ISOPROPYL ALCOHOL	4.233	4.026	3.984	3.871	3.860	3.860	3.891	3.968		3.962	3.20
23) ACETONE											

```
                1.257 1.095 0.943 0.763 0.780 0.802 0.818 0.838   0.912   19.45
24)  PENTANE
                2.264 2.194 2.170 2.140 2.103 2.087 2.102 2.141   2.150    2.73
25)  IODOMETHANE
                3.408 3.401 3.426 3.526 3.583 3.579 3.550 3.554   3.503    2.24
26)  1,1-DICHLOROETHYLENE
                1.242 1.285 1.257 1.286 1.313 1.322 1.346 1.379   1.304    3.48
27)  CARBON DISULFIDE
                3.181 3.181 3.313 3.298 3.353 3.430 3.554 3.672   3.373    5.12
28)  ETHANOL
                          1.431 0.895 0.892 0.866 0.852 0.866   0.967   23.57
29)  BROMOETHENE
                0.974 0.989 0.996 1.036 1.074 1.065 1.064 1.106   1.038    4.54
30)  ACRYLONITRILE
                0.748 0.871 1.127 1.181 1.206 1.234 1.294 1.339   1.125   18.47
31)  METHYLENE CHLORIDE
                1.237 1.247 1.200 1.129 1.147 1.168 1.207 1.254   1.199    3.90
32)  3-CHLOROPROPENE
                0.590 0.598 0.643 0.643 0.660 0.675 0.701 0.732   0.655    7.35
33)  FREON 113
                2.149 2.184 2.241 2.143 2.180 2.171 2.154 2.186   2.176    1.43
34)  TRANS-1,2-DICHLOROETHYLENE
                1.045 1.102 1.181 1.275 1.326 1.354 1.425 1.486   1.274   12.14
35)  TERTIARY BUTYL ALCOHOL
                3.688 3.495 3.668 3.665 3.728 3.739 3.768 3.845   3.700    2.75
36)  METHYL TERTIARY BUTYL ETHER
                4.254 3.918 3.854 3.798 3.871 3.886 3.981 4.095   3.957    3.79
37)  TETRAHYDROFURAN
                0.476 0.565 0.634 0.635 0.665 0.687 0.728 0.763   0.644   14.14
38)  HEXANE
                2.849 2.846 2.877 2.795 2.796 2.761 2.645 2.601   2.771    3.58
39)  VINYL ACETATE
                      0.184 0.223 0.291 0.308 0.320 0.343 0.360   0.290   22.13
40)  1,1-DICHLOROETHANE
                2.822 2.812 2.842 2.831 2.851 2.854 2.925 3.003   2.868    2.25
41)  METHYL ETHYL KETONE
                0.525 0.551 0.635 0.660 0.679 0.700 0.743 0.782   0.659   13.39
42)  cis-1,2-DICHLOROETHYLENE
                1.199 1.254 1.319 1.409 1.442 1.478 1.551 1.604   1.407   10.06
43)  DIISOPROPYL ETHER
                0.614 0.740 0.780 0.799 0.819 0.815 0.807 0.805   0.772    8.93
44)  ETHYL ACETATE
                0.380 0.436 0.518 0.541 0.520 0.521 0.516 0.519   0.494   11.28
45)  METHYL ACRYLATE
                2.956 3.093 3.130 3.281 3.331 3.356 3.286 3.270   3.213    4.32
46)  CHLOROFORM
                2.728 2.784 2.824 2.801 2.809 2.860 2.963 3.047   2.852    3.65
47)  2,4-DIMETHYLPENTANE
                3.281 3.224 3.349 3.370 3.417 3.424 3.481 3.518   3.383    2.91
48)  1,1,1-TRICHLOROETHANE
                2.894 2.914 2.985 2.987 2.998 3.059 3.150 3.236   3.028    3.84
49)  CARBON TETRACHLORIDE
                2.887 3.093 3.097 3.196 3.254 3.301 3.379 3.428   3.204    5.50
50)  1,2-DICHLOROETHANE
                1.978 1.883 2.034 2.096 2.137 2.191 2.258 2.317   2.112    6.86

51) I   1,4-DIFLUOROBENZENE   ----------------ISTD---------------------
52)  BENZENE
                1.041 0.952 0.887 0.853 0.851 0.839 0.816 0.819   0.882    8.80
53)  CYCLOHEXANE
```

```
                0.488 0.415 0.395 0.374 0.374 0.368 0.363 0.364   0.393   10.78
54)  2,3-DIMETHYLPENTANE
                0.186 0.188 0.197 0.196 0.196 0.195 0.192 0.193   0.193    2.05
55)  TRICHLOROETHYLENE
           0.334 0.371 0.391 0.387 0.394 0.394 0.381 0.352 0.340   0.372    6.38
56)  1,2-DICHLOROPROPANE
                0.396 0.391 0.388 0.386 0.381 0.367 0.347 0.336   0.374    5.90
57)  DIBROMOMETHANE
                0.323 0.328 0.341 0.339 0.337 0.325 0.305 0.301   0.325    4.63
58)  ETHYL ACRYLATE
                0.697 0.737 0.793 0.855 0.867 0.852 0.789 0.758   0.794    7.73
59)  BROMODICHLOROMETHANE
                0.601 0.594 0.635 0.648 0.651 0.645 0.624 0.620   0.627    3.43
60)  2,2,4-TRIMETHYLPENTANE
                1.931 1.909 1.923 1.904 1.876 1.762 1.558 1.466   1.791   10.17
61)  1,4-DIOXANE
                0.226 0.208 0.203 0.205 0.206 0.201 0.190 0.184   0.203    6.22
62)  HEPTANE
                0.776 0.778 0.802 0.786 0.781 0.752 0.706 0.683   0.758    5.57
63)  METHYL METHACRYLATE
                0.268 0.283 0.305 0.313 0.320 0.322 0.324 0.325   0.307    6.84
64)  METHYL ISOBUTYL KETONE
                0.309 0.310 0.328 0.347 0.351 0.352 0.345 0.342   0.336    5.26
65)  cis-1,3-DICHLOROPROPENE
                0.427 0.445 0.478 0.518 0.525 0.527 0.522 0.521   0.495    8.13
66)  TOLUENE
                0.611 0.613 0.622 0.630 0.633 0.620 0.592 0.583   0.613    2.85
67)  1,3-DICHLOROPROPANE
                0.468 0.478 0.507 0.518 0.517 0.509 0.489 0.483   0.496    3.84
68)  trans-1,3-DICHLOROPROPENE
                0.357 0.362 0.420 0.477 0.487 0.493 0.491 0.493   0.448   13.28
69)  1,1,2-TRICHLOROETHANE
                0.287 0.301 0.319 0.312 0.313 0.311 0.306 0.307   0.307    3.16

70) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
71)  2-HEXANONE
                0.772 0.807 0.903 0.943 0.921 0.862 0.749 0.703   0.832   10.57
72)  ETHYL METHACRYLATE
                0.876 0.913 0.961 1.023 0.995 0.938 0.821 0.778   0.913    9.24
73)  TETRACHLOROETHYLENE
          0.892 0.897 0.903 0.870 0.843 0.804 0.738 0.635 0.604   0.799   14.32
74)  DIBROMOCHLOROMETHANE
                1.052 1.108 1.182 1.284 1.276 1.208 1.058 1.006   1.147    9.24
75)  1,2-DIBROMOETHANE
                1.002 1.029 1.088 1.117 1.098 1.042 0.922 0.884   1.023    8.19
76)  OCTANE
                2.127 2.036 2.168 2.121 2.036 1.856 1.554 1.442   1.918   14.46
77)  1,1,1,2-TETRACHLOROETHANE
                0.917 0.938 0.976 0.959 0.935 0.856 0.721 0.674   0.872   13.09
78)  CHLOROBENZENE
                1.724 1.759 1.791 1.715 1.662 1.524 1.278 1.193   1.581   14.47
79)  ETHYLBENZENE
                2.690 2.634 2.722 2.731 2.649 2.440 2.099 1.989   2.494   11.78
80)  m,p-XYLENE
                1.025 0.996 1.059 1.076 1.034 0.950 0.796 0.741   0.959   13.01
81)  o-XYLENE
                0.971 0.978 1.038 1.056 1.021 0.925 0.757 0.701   0.931   14.18
82)  STYRENE
                1.343 1.425 1.507 1.621 1.601 1.514 1.315 1.251   1.447    9.38
83)  NONANE
```

```
                2.063 2.037 2.160 2.229 2.108 1.905 1.552 1.415   1.934   15.29
 84)  BROMOFORM
                0.806 0.800 0.940 1.112 1.142 1.105 0.978 0.934   0.977   13.72
 85)  4-BROMOFLUOROBENZENE
           1.286 1.293 1.301 1.321 1.333 1.303 1.255 1.155 1.124   1.263    5.85
 86)  1,1,2,2-TETRACHLOROETHANE
                1.581 1.586 1.614 1.584 1.529 1.401 1.154 1.061   1.439   15.03
 87)  1,2,3-TRICHLOROPROPANE
                1.208 1.239 1.285 1.260 1.225 1.143 0.998 0.948   1.163   10.75
 88)  ISOPROPYLBENZENE
                3.043 3.043 3.156 3.186 3.052 2.763 2.274 2.104   2.828   14.73
 89)  BROMOBENZENE
                1.469 1.479 1.487 1.495 1.454 1.362 1.192 1.136   1.384   10.33
 90)  2-CHLOROTOLUENE
                0.763 0.763 0.800 0.824 0.802 0.744 0.637 0.599   0.741   10.93
 91)  n-PROPYLBENZENE
                0.753 0.796 0.836 0.891 0.863 0.791 0.673 0.630   0.779   11.64
 92)  4-ETHYLTOLUENE
                2.634 2.730 2.958 3.163 3.044 2.767 2.295 2.122   2.714   13.25
 93)  1,3,5-TRIMETHYLBENZENE
                2.314 2.439 2.660 2.645 2.557 2.322 1.926 1.785   2.331   13.88
 94)  ALPHA-METHYLSTYRENE
                0.950 1.042 1.188 1.370 1.338 1.237 1.047 0.979   1.144   14.19
 95)  tert-BUTYLBENZENE
                0.547 0.544 0.602 0.616 0.584 0.514 0.414 0.390   0.526   15.93
 96)  1,2,4-TRIMETHYLBENZENE
                2.184 2.385 2.626 2.698 2.552 2.247 1.762 1.633   2.261   17.32
 97)  m-DICHLOROBENZENE
                1.477 1.551 1.684 1.798 1.713 1.540 1.243 1.158   1.520   14.74
 98)  BENZYL CHLORIDE
                1.571 1.705 2.003 2.401 2.377 2.207 1.814 1.688   1.971   16.51
 99)  p-DICHLOROBENZENE
                1.485 1.611 1.752 1.844 1.772 1.601 1.315 1.231   1.576   13.94
100)  sec-BUTYLBENZENE
                0.638 0.688 0.747 0.798 0.760 0.684 0.553 0.518   0.673   14.71
101)  1,2,3-Trimethylbenzene
                2.437 2.671 2.703 2.833 2.662 2.344 1.826 1.688   2.396   17.72
102)  p-ISOPROPYLTOLUENE
                0.709 0.767 0.858 0.896 0.840 0.726 0.569 0.531   0.737   17.98
103)  o-DICHLOROBENZENE
                1.505 1.565 1.804 1.776 1.703 1.547 1.282 1.198   1.547   14.18
104)  n-BUTYLBENZENE
                0.476 0.597 0.729 0.859 0.833 0.759 0.633 0.599   0.686   19.22
105)  HEXACHLOROETHANE
                0.878 0.917 0.989 1.087 1.085 1.002 0.835 0.772   0.946   12.13
106)  HEXACHLOROBUTADIENE
                1.264 1.318 1.436 1.466 1.402 1.271 1.074 0.986   1.277   13.38
107)  1,2,4-TRICHLOROBENZENE
                0.927 1.194 1.432 1.678 1.644 1.520 1.300 1.215   1.364   18.64
108)  NAPHTHALENE
                2.412 2.658 3.267 3.822 3.740 3.418 2.796 2.553   3.083   17.84

109) I   BROMOCHLOROMETHANE (A ----------------ISTD----------------------
110)  TVHC as equiv Pentane
           1.318 1.142 1.337 1.158 1.251 1.306 1.297 1.289 1.351   1.272 E1    5.89
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M3W3236.M         Mon Oct 02 17:55:55 2023
```

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3236-ICV3236
Lab FileID: 3W82153.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 3w82153.D
Acq On : 30 Sep 2023 7:31 am
Operator : benk
Sample : icv3236-10
Misc : ms71678,v3w3236,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 02 12:47:53 2023
Quant Method : C:\msdchem\1\METHODS\M3W3236.M
Quant Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
QLast Update : Mon Oct 02 12:47:38 2023
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	102	0.00
2	FREON 115	1.364	1.408	-3.2	97	0.00
3	FREON 152A	0.864	0.854	1.2	100	0.00
4	CHLORODIFLUOROMETHANE	0.350	0.368	-5.1	104	0.00
5	CHLOROTRIFLUOROETHENE	1.727	1.811	-4.9	104	0.00
6	DICHLORODIFLUOROMETHANE	4.009	3.903	2.6	99	0.00
7	PROPYLENE	1.600	1.555	2.8	101	0.00
8	1-CHLORO-1,1-DIFLUOROETHANE	2.745	2.801	-2.0	104	0.00
9	FREON 114	3.034	2.927	3.5	96	0.00
10	CHLOROMETHANE	0.537	0.522	2.8	100	0.00
11	VINYL CHLORIDE	1.457	1.442	1.0	99	0.00
12	1,3-BUTADIENE	1.221	1.220	0.1	98	0.00
13	n-BUTANE	3.165	2.672	15.6	98	0.00
14	BROMOMETHANE	1.155	1.032	10.6	96	0.00
15	CHLOROETHANE	0.668	0.649	2.8	99	0.00
16	DICHLOROFLUOROMETHANE	2.715	2.545	6.3	95	0.00
17	ACETONITRILE	1.696	1.394	17.8	93	0.00
18	ACROLEIN	0.736	0.639	13.2	88	0.00
19	FREON 123	2.916	3.007	-3.1	105	0.00
20	FREON 123A	1.646	1.812	-10.1	112	0.00
21	TRICHLOROFLUOROMETHANE	3.474	3.362	3.2	99	0.00
22	ISOPROPYL ALCOHOL	3.962	3.760	5.1	100	0.00
23	ACETONE	0.912	0.796	12.7	105	0.00
24	PENTANE	2.150	2.119	1.4	103	0.00
25	IODOMETHANE	3.503	3.544	-1.2	101	0.00
26	1,1-DICHLOROETHYLENE	1.304	1.330	-2.0	104	0.00
27	CARBON DISULFIDE	3.373	3.633	-7.7	111	0.00
28	ETHANOL	0.967	0.766	20.8	88	0.00
29	BROMOETHENE	1.038	1.058	-1.9	101	0.00
30	ACRYLONITRILE	1.125	1.165	-3.6	99	0.00
31	METHYLENE CHLORIDE	1.199	1.142	4.8	102	0.00
32	3-CHLOROPROPENE	0.655	0.664	-1.4	103	0.00
33	FREON 113	2.176	2.170	0.3	102	0.00
34	TRANS-1,2-DICHLOROETHYLENE	1.274	1.362	-6.9	105	0.00
35	TERTIARY BUTYL ALCOHOL	3.700	3.304	10.7	91	0.00
36	METHYL TERTIARY BUTYL ETHER	3.957	3.858	2.5	102	0.00
37	TETRAHYDROFURAN	0.644	0.623	3.3	96	0.00
38	HEXANE	2.771	2.859	-3.2	105	0.00

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3236-ICV3236
Lab FileID: 3W82153.D

39		VINYL ACETATE	0.290	0.294	-1.4	98	0.00
40		1,1-DICHLOROETHANE	2.868	2.829	1.4	102	0.00
41		METHYL ETHYL KETONE	0.659	0.680	-3.2	103	0.00
42		cis-1,2-DICHLOROETHYLENE	1.407	1.435	-2.0	102	0.00
43		DIISOPROPYL ETHER	0.772	0.810	-4.9	101	0.00
44		ETHYL ACETATE	0.494	0.564	-14.2	111	0.00
45		METHYL ACRYLATE	3.213	3.332	-3.7	102	0.00
46		CHLOROFORM	2.852	2.818	1.2	103	0.00
47		2,4-DIMETHYLPENTANE	3.383	3.381	0.1	101	0.00
48		1,1,1-TRICHLOROETHANE	3.028	3.032	-0.1	104	0.00
49		CARBON TETRACHLORIDE	3.204	3.270	-2.1	103	0.00
50		1,2-DICHLOROETHANE	2.112	2.130	-0.9	102	0.00
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00
52		BENZENE	0.882	0.857	2.8	103	0.00
53		CYCLOHEXANE	0.393	0.374	4.8	102	0.00
54		2,3-DIMETHYLPENTANE	0.193	0.199	-3.1	104	0.00
55		TRICHLOROETHYLENE	0.372	0.393	-5.6	102	0.00
56		1,2-DICHLOROPROPANE	0.374	0.379	-1.3	102	0.00
57		DIBROMOMETHANE	0.325	0.339	-4.3	103	0.00
58		ETHYL ACRYLATE	0.794	0.850	-7.1	100	0.00
59		BROMODICHLOROMETHANE	0.627	0.649	-3.5	102	0.00
60		2,2,4-TRIMETHYLPENTANE	1.791	1.856	-3.6	101	0.00
61		1,4-DIOXANE	0.203	0.193	4.9	96	0.00
62		HEPTANE	0.758	0.785	-3.6	103	0.00
63		METHYL METHACRYLATE	0.307	0.311	-1.3	100	0.00
64		METHYL ISOBUTYL KETONE	0.336	0.344	-2.4	100	0.00
65		cis-1,3-DICHLOROPROPENE	0.495	0.563	-13.7	110	0.00
66		TOLUENE	0.613	0.628	-2.4	102	0.00
67		1,3-DICHLOROPROPANE	0.496	0.520	-4.8	103	0.00
68		trans-1,3-DICHLOROPROPENE	0.448	0.488	-8.9	103	0.00
69		1,1,2-TRICHLOROETHANE	0.307	0.315	-2.6	103	0.00
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	102	0.00
71		2-HEXANONE	0.832	0.881	-5.9	97	0.00
72		ETHYL METHACRYLATE	0.913	0.984	-7.8	101	0.00
73		TETRACHLOROETHYLENE	0.799	0.804	-0.6	102	0.00
74		DIBROMOCHLOROMETHANE	1.147	1.270	-10.7	101	0.00
75		1,2-DIBROMOETHANE	1.023	1.091	-6.6	101	0.00
76		OCTANE	1.918	1.996	-4.1	100	0.00
77		1,1,1,2-TETRACHLOROETHANE	0.872	0.919	-5.4	100	0.00
78		CHLOROBENZENE	1.581	1.646	-4.1	101	0.00
79		ETHYLBENZENE	2.494	2.639	-5.8	101	0.00
80		m,p-XYLENE	0.959	1.025	-6.9	101	0.00
81		o-XYLENE	0.931	1.000	-7.4	100	0.00
82		STYRENE	1.447	1.573	-8.7	100	0.00
83		NONANE	1.934	2.094	-8.3	101	0.00
84		BROMOFORM	0.977	1.110	-13.6	99	0.00
85	S	4-BROMOFLUOROBENZENE	1.263	1.297	-2.7	101	0.00
86		1,1,2,2-TETRACHLOROETHANE	1.439	1.507	-4.7	100	0.00
87		1,2,3-TRICHLOROPROPANE	1.163	1.206	-3.7	100	0.00
88		ISOPROPYLBENZENE	2.828	3.018	-6.7	101	0.00
89		BROMOBENZENE	1.384	1.421	-2.7	100	0.00
90		2-CHLOROTOLUENE	0.741	0.787	-6.2	100	0.00
91		n-PROPYLBENZENE	0.779	0.852	-9.4	101	0.00
92		4-ETHYLTOLUENE	2.714	3.010	-10.9	101	0.00
93		1,3,5-TRIMETHYLBENZENE	2.331	2.524	-8.3	101	0.00
94		ALPHA-METHYLSTYRENE	1.144	1.256	-9.8	96	0.00
95		tert-BUTYLBENZENE	0.526	0.568	-8.0	99	0.00
96		1,2,4-TRIMETHYLBENZENE	2.261	2.504	-10.7	100	0.00

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3236-ICV3236
Lab FileID: 3W82153.D

97		m-DICHLOROBENZENE	1.520	1.672	-10.0	99	0.00
98		BENZYL CHLORIDE	1.971	2.210	-12.1	95	0.00
99		p-DICHLOROBENZENE	1.576	1.728	-9.6	99	0.00
100		sec-BUTYLBENZENE	0.673	0.740	-10.0	99	0.00
101		1,2,3-Trimethylbenzene	2.396	2.548	-6.3	98	0.00
102		p-ISOPROPYLTOLUENE	0.737	0.820	-11.3	99	0.00
103		o-DICHLOROBENZENE	1.547	1.647	-6.5	99	0.00
104		n-BUTYLBENZENE	0.686	0.814	-18.7	100	0.00
105		HEXACHLOROETHANE	0.946	1.071	-13.2	101	0.00
106		HEXACHLOROBUTADIENE	1.277	1.374	-7.6	100	0.00
107		1,2,4-TRICHLOROBENZENE	1.364	1.570	-15.1	97	0.00
108		NAPHTHALENE	3.083	3.557	-15.4	97	0.00
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	102	0.00
110		TVHC as equiv Pentane	12.723	12.508	1.7	98	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M3W3236.M Mon Oct 02 13:02:51 2023

Continuing Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3300-CC3236
Lab FileID: 3W83788.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\3w\3w83788.D Vial: 2
Acq On : 20 Dec 2023 9:35 am Operator: thomash
Sample : cc3236-10 Inst : GCMS-3W
Misc : ms76261,v3w3300,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT1.P

Method : C:\msdchem\1\methods\M3W3236.M (RTE Integrator)
Title : TO15 by GCMS w/Rtx-1, 60 m X 0.32mm ID X 1.0 um
Last Update : Mon Oct 02 12:47:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	77	-0.01	7.74
2	FREON 115	1.364	1.585	-16.2	82	0.00	4.06
3	FREON 152A	0.864	1.021	-18.2	90	0.00	4.15
4	CHLORODIFLUOROMETHANE	0.350	0.461	-31.7#	97	-0.01	4.17
5	CHLOROTRIFLUOROETHENE	1.727	1.833	-6.1	79	0.00	4.20
6	DICHLORODIFLUOROMETHANE	4.009	4.853	-21.1	92	0.00	4.25
7	PROPYLENE	1.600	1.718	-7.4	83	0.00	4.20
8	1-CHLORO-1,1-DIFLUOROETHA	2.745	3.300	-20.2	92	0.00	4.35
9	FREON 114	3.034	3.547	-16.9	87	0.00	4.43
10	CHLOROMETHANE	0.537	0.559	-4.1	80	0.00	4.37
11	VINYL CHLORIDE	1.457	1.564	-7.3	81	0.00	4.52
12	1,3-BUTADIENE	1.221	1.232	-0.9	74	-0.01	4.61
13	n-BUTANE	3.165	2.634	16.8	72	-0.01	4.64
14	BROMOMETHANE	1.155	1.160	-0.4	81	0.00	4.81
15	CHLOROETHANE	0.668	0.705	-5.5	80	-0.01	4.92
16	DICHLOROFLUOROMETHANE	2.715	3.044	-12.1	85	-0.01	4.97
17	ACETONITRILE	1.696	1.396	17.7	70	0.00	5.16
18	ACROLEIN	0.736	0.706	4.1	73	-0.01	5.25
19	FREON 123	2.916	3.326	-14.1	87	-0.01	5.25
20	FREON 123A	1.646	1.663	-1.0	77	-0.01	5.30
21	TRICHLOROFLUOROMETHANE	3.474	3.925	-13.0	86	-0.01	5.46
22	ISOPROPYL ALCOHOL	3.962	4.145	-4.6	82	0.00	5.50
23	ACETONE	0.912	0.870	4.6	86	-0.01	5.34
24	PENTANE	2.150	2.243	-4.3	82	-0.01	5.71
25	IODOMETHANE	3.503	3.642	-4.0	78	-0.02	5.89
26	1,1-DICHLOROETHYLENE	1.304	1.432	-9.8	84	-0.01	5.93
27	CARBON DISULFIDE	3.373	3.951	-17.1	90	-0.02	6.28
28	ETHANOL	0.967	0.854	11.7	73	0.00	4.99
29	BROMOETHENE	1.038	1.045	-0.7	75	-0.01	5.17
30	ACRYLONITRILE	1.125	1.263	-12.3	80	-0.01	5.67
31	METHYLENE CHLORIDE	1.199	1.350	-12.6	90	-0.01	6.01
32	3-CHLOROPROPENE	0.655	0.757	-15.6	88	-0.02	6.10
33	FREON 113	2.176	2.299	-5.7	81	-0.01	6.21
34	TRANS-1,2-DICHLOROETHYLEN	1.274	1.404	-10.2	81	-0.02	6.74
35	TERTIARY BUTYL ALCOHOL	3.700	4.088	-10.5	84	-0.01	5.95
36	METHYL TERTIARY BUTYL ETH	3.957	4.774	-20.6	95	-0.01	6.94
37	TETRAHYDROFURAN	0.644	0.818	-27.0	94	-0.02	8.21
38	HEXANE	2.771	3.176	-14.6	87	-0.02	7.75
39	VINYL ACETATE	0.290	0.335	-15.5	83	-0.02	7.01
40	1,1-DICHLOROETHANE	2.868	3.341	-16.5	90	-0.01	6.91
41	METHYL ETHYL KETONE	0.659	0.822	-24.7	93	-0.02	7.22
42	cis-1,2-DICHLOROETHYLENE	1.407	1.585	-12.7	84	-0.01	7.60

Continuing Calibration Summary

Job Number: JD79054 **Sample:** V3W3300-CC3236
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 3W83788.D
Project: 99 Franklin Courts, Tarrytown, NY

43		DIISOPROPYL ETHER	0.772	0.924	-19.7	86	-0.02	7.74
44		ETHYL ACETATE	0.494	0.606	-22.7	89	-0.02	7.76
45		METHYL ACRYLATE	3.213	3.767	-17.2	87	-0.02	7.76
46		CHLOROFORM	2.852	3.452	-21.0	94	-0.02	7.84
47		2,4-DIMETHYLPENTANE	3.383	3.835	-13.4	86	-0.02	8.53
48		1,1,1-TRICHLOROETHANE	3.028	3.519	-16.2	90	-0.02	8.71
49		CARBON TETRACHLORIDE	3.204	3.459	-8.0	82	-0.02	9.26
50		1,2-DICHLOROETHANE	2.112	2.601	-23.2	93	-0.02	8.49
51	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	79	-0.02	9.44
52		BENZENE	0.882	0.990	-12.2	92	-0.02	9.13
53		CYCLOHEXANE	0.393	0.426	-8.4	89	-0.02	9.38
54		2,3-DIMETHYLPENTANE	0.193	0.233	-20.7	93	-0.02	9.58
55		TRICHLOROETHYLENE	0.372	0.427	-14.8	85	-0.02	10.10
56		1,2-DICHLOROPROPANE	0.374	0.429	-14.7	89	-0.02	9.88
57		DIBROMOMETHANE	0.325	0.374	-15.1	87	-0.02	9.86
58		ETHYL ACRYLATE	0.794	0.941	-18.5	85	-0.02	9.86
59		BROMODICHLOROMETHANE	0.627	0.775	-23.6	94	-0.02	10.07
60		2,2,4-TRIMETHYLPENTANE	1.791	2.039	-13.8	86	-0.02	10.12
61		1,4-DIOXANE	0.203	0.227	-11.8	87	-0.02	10.11
62		HEPTANE	0.758	0.823	-8.6	83	-0.02	10.36
63		METHYL METHACRYLATE	0.307	0.373	-21.5	92	-0.02	10.28
64		METHYL ISOBUTYL KETONE	0.336	0.396	-17.9	89	-0.02	10.95
65		cis-1,3-DICHLOROPROPENE	0.495	0.593	-19.8	89	-0.02	10.92
66		TOLUENE	0.613	0.679	-10.8	84	-0.02	11.88
67		1,3-DICHLOROPROPANE	0.496	0.599	-20.8	91	-0.02	11.91
68		trans-1,3-DICHLOROPROPENE	0.448	0.542	-21.0	88	-0.02	11.43
69		1,1,2-TRICHLOROETHANE	0.307	0.360	-17.3	90	-0.02	11.61
70	I	CHLOROBENZENE-D5	1.000	1.000	0.0	90	-0.02	13.69
71		2-HEXANONE	0.832	0.886	-6.5	87	-0.02	12.15
72		ETHYL METHACRYLATE	0.913	1.020	-11.7	92	-0.02	12.15
73		TETRACHLOROETHYLENE	0.799	0.736	7.9	82	-0.02	13.03
74		DIBROMOCHLOROMETHANE	1.147	1.120	2.4	79	-0.02	12.31
75		1,2-DIBROMOETHANE	1.023	0.981	4.1	80	-0.02	12.56
76		OCTANE	1.918	1.877	2.1	83	-0.02	12.87
77		1,1,1,2-TETRACHLOROETHANE	0.872	0.802	8.0	77	-0.02	13.72
78		CHLOROBENZENE	1.581	1.423	10.0	77	-0.02	13.73
79		ETHYLBENZENE	2.494	2.498	-0.2	85	-0.02	14.13
80		m,p-XYLENE	0.959	0.912	4.9	79	-0.02	14.32
81		o-XYLENE	0.931	0.890	4.4	78	-0.02	14.83
82		STYRENE	1.447	1.343	7.2	76	-0.02	14.71
83		NONANE	1.934	1.899	1.8	81	-0.02	15.07
84		BROMOFORM	0.977	1.178	-20.6	93	-0.02	14.41
85	S	4-BROMOFLUOROBENZENE	1.263	1.176	6.9	81	-0.02	15.33
86		1,1,2,2-TETRACHLOROETHANE	1.439	1.479	-2.8	87	-0.02	14.82
87		1,2,3-TRICHLOROPROPANE	1.163	1.197	-2.9	88	-0.02	14.97
88		ISOPROPYLBENZENE	2.828	2.717	3.9	80	-0.02	15.49
89		BROMOBENZENE	1.384	1.395	-0.8	86	-0.02	15.59
90		2-CHLOROTOLUENE	0.741	0.631	14.8	71	-0.02	16.05
91		n-PROPYLBENZENE	0.779	0.710	8.9	74	-0.02	16.09
92		4-ETHYLTOLUENE	2.714	2.616	3.6	77	-0.02	16.26
93		1,3,5-TRIMETHYLBENZENE	2.331	2.207	5.3	78	-0.02	16.36
94		ALPHA-METHYLSTYRENE	1.144	0.931	18.6	63	-0.02	16.54
95		tert-BUTYLBENZENE	0.526	0.476	9.5	73	-0.02	16.83
96		1,2,4-TRIMETHYLBENZENE	2.261	2.194	3.0	77	-0.02	16.84
97		m-DICHLOROBENZENE	1.520	1.398	8.0	73	-0.02	17.01
98		BENZYL CHLORIDE	1.971	1.853	6.0	70	-0.02	17.00
99		p-DICHLOROBENZENE	1.576	1.414	10.3	72	-0.02	17.10
100		sec-BUTYLBENZENE	0.673	0.608	9.7	72	-0.02	17.15

Continuing Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3W3300-CC3236
Lab FileID: 3W83788.D

101		1,2,3-Trimethylbenzene	2.396	2.297	4.1	78	-0.02	17.34
102		p-ISOPROPYLTOLUENE	0.737	0.667	9.5	71	-0.02	17.35
103		o-DICHLOROBENZENE	1.547	1.371	11.4	72	-0.02	17.50
104		n-BUTYLBENZENE	0.686	0.629	8.3	68	-0.02	17.85
105		HEXACHLOROETHANE	0.946	0.872	7.8	72	-0.02	18.28
106		HEXACHLOROBUTADIENE	1.277	1.287	-0.8	83	-0.02	20.05
107		1,2,4-TRICHLOROBENZENE	1.364	1.075	21.2	59#	-0.02	19.51
108		NAPHTHALENE	3.083	1.927	37.5#	46#	-0.02	19.63
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	77	-0.01	7.74
110		TVHC as equiv Pentane	12.723	13.910	-9.3	82	-0.01	5.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3w82147.D M3W3236.M Thu Dec 21 15:07:02 2023

Initial Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-ICC0163
Lab FileID: 7W04091.D

Response Factor Report MS7W

Method : C:\msdchem\1\methods\M7W0163.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Nov 21 13:55:34 2023
Response via : Initial Calibration

Calibration Files
0.04=7w04085.D 0.10=7w04086.D 0.20=7w04087.D 0.5 =7w04088.D
5.0 =7w04090.D 10 =7w04091.D 20 =7w04092.D 40 =7w04093.D
50 =7w04094.D =

Compound	0.04	0.10	0.20	0.5	5.0	10	20	40	50	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------										
2) FREON 115										0.000	-1.00
3) FREON 152A			0.896	0.977	0.970	0.980	0.986	0.942	0.965	0.959	3.29
4) CHLORODIFLUOROMETHANE			0.406	0.414	0.414	0.403	0.411	0.387	0.398	0.405	2.40
5) CHLOROTRIFLUOROETHENE		1.734	1.741	1.776	1.826	1.820	1.814	1.745	1.773	1.779	2.10
6) DICHLORODIFLUOROMETHANE	4.416	4.121	4.090	4.099	4.082	4.100	4.104	3.887	3.924	4.091	3.63
7) PROPYLENE		2.196	1.984	1.809	1.582	1.547	1.542	1.475	1.510	1.706	15.47
8) 1-CHLORO-1,1-DIFLUOROETHANE		2.935	3.053	2.945	2.887	2.865	2.859	2.741	2.781	2.883	3.39
9) FREON 114	3.301	3.640	3.414	3.456	3.407	3.408	3.405	3.272	3.310	3.401	3.21
10) CHLOROMETHANE		0.581	0.571	0.513	0.548	0.544	0.543	0.507	0.516	0.540	4.98
11) VINYL CHLORIDE		1.630	1.656	1.733	1.678	1.694	1.688	1.614	1.633	1.666	2.39
12) 1,3-BUTADIENE		1.531	1.404	1.492	1.459	1.448	1.426	1.365	1.393	1.440	3.77
13) N-BUTANE		3.474	3.310	2.979	2.907	2.857	2.811	2.677	2.709	2.965	9.58
14) BROMOMETHANE		1.360	1.306	1.284	1.214	1.205	1.205	1.155	1.165	1.237	5.84
15) CHLOROETHANE		0.935	0.912	0.822	0.848	0.865	0.861	0.820	0.837	0.863	4.81
16) DICHLOROFLUOROMETHANE	3.801	3.285	3.277	3.227	3.217	3.205	3.210	3.040	3.077	3.260	6.72
17) ACETONITRILE		2.533	1.986	1.906	1.801	1.783	1.775	1.661	1.683	1.891	14.83
18) ACROLEIN			1.102	1.026	0.778	0.775	0.769	0.725	0.734	0.844	18.12
19) FREON 123	3.423	3.064	3.234	3.151	3.118	3.161	3.131	2.961	2.995	3.138	4.34
20) FREON 123A		1.690	1.570	1.665	1.608	1.637	1.615	1.532	1.544	1.607	3.51
21) TRICHLOROFLUOROMETHANE	3.358	3.273	3.333	3.268	3.190	3.234	3.226	3.064	3.067	3.224	3.21
22) ISOPROPYL ALCOHOL		5.089	4.803	4.265	4.013	4.019	3.942	3.740	3.750	4.203	11.74
23) ACETONE											

			1.337	1.177	0.907	0.907	0.900	0.847	0.846	0.989	19.30
24)	PENTANE										
		2.590	2.537	2.260	2.100	2.109	2.078	1.973	1.954	2.200	11.06
25)	IODOMETHANE										
		3.307	3.029	3.058	3.019	2.998	3.044	3.043	2.901	2.909	3.034	3.87
26)	1,1-DICHLOROETHYLENE										
		1.233	1.419	1.377	1.337	1.348	1.342	1.270	1.279	1.326	4.60
27)	CARBON DISULFIDE										
		3.621	3.250	3.526	3.334	3.418	3.524	3.564	3.418	3.450	3.456	3.37
28)	ETHANOL										
					1.384	1.008	0.967	0.942	0.897	0.904	1.017	18.12
29)	BROMOETHENE										
		1.064	1.162	1.222	1.140	1.166	1.166	1.098	1.110	1.141	4.32
30)	ACRYLONITRILE										
		1.456	1.516	1.493	1.442	1.442	1.434	1.373	1.375	1.442	3.47
31)	METHYLENE CHLORIDE										
		1.494	1.360	1.330	1.228	1.247	1.233	1.175	1.189	1.282	8.34
32)	3-CHLOROPROPENE										
			0.763	0.689	0.697	0.685	0.693	0.667	0.673	0.695	4.55
33)	FREON 113										
		1.975	1.839	1.925	1.905	1.897	1.911	1.799	1.816	1.883	3.18
34)	TRANS-1,2-DICHLOROETHENE										
		1.566	1.679	1.571	1.534	1.521	1.503	1.463	1.468	1.538	4.51
35)	TERTIARY BUTYL ALCOHOL										
		4.576	4.508	4.391	4.061	4.184	4.161	4.079	3.776	3.816	4.173	6.72
36)	METHYL TERTIARY BUTYL ETHER										
		4.910	4.905	4.895	4.841	4.809	4.774	4.767	4.542	4.626	4.785	2.67
37)	TETRAHYDROFURAN										
		0.873	0.797	0.827	0.827	0.812	0.802	0.784	0.794	0.815	3.48
38)	HEXANE										
		4.781	4.019	3.815	3.505	3.514	3.442	3.437	3.283	3.324	3.680	12.90
39)	VINYL ACETATE										
			0.289	0.250	0.338	0.386	0.410	0.422	0.435	0.361	19.61
40)	1,1-DICHLOROETHANE										
		3.340	3.495	3.372	3.347	3.302	3.319	3.182	3.236	3.324	2.80
41)	METHYL ETHYL KETONE										
		0.856	0.898	0.879	0.867	0.854	0.855	0.822	0.833	0.858	2.81
42)	CIS-1,2-DICHLOROETHENE										
		1.615	1.620	1.664	1.650	1.665	1.672	1.592	1.617	1.637	1.81
43)	DIISOPROPYL ETHER										
			0.922	1.011	1.011	0.982	0.992	0.945	0.953	0.974	3.54
44)	ETHYL ACETATE										
			0.640	0.629	0.619	0.633	0.629	0.606	0.610	0.624	1.99
45)	METHYL ACRYLATE										
		4.986	4.719	4.594	4.211	4.246	4.210	4.241	4.071	4.123	4.378	7.15
46)	CHLOROFORM										
		3.493	3.258	3.251	3.142	3.218	3.205	3.216	3.078	3.110	3.219	3.73
47)	2,4-DIMETHYLPENTANE										
		5.538	4.565	4.477	4.203	4.198	4.154	4.149	3.974	4.049	4.367	10.94
48)	1,1,1-TRICHLOROETHANE										
		2.841	2.810	2.948	3.046	3.119	3.199	3.112	3.188	3.033	4.98
49)	CARBON TETRACHLORIDE										
		1.992	1.998	2.079	2.401	2.631	2.836	2.880	2.993	2.476	16.78
50)	1,2-DICHLOROETHANE										
		2.407	2.570	2.576	2.598	2.571	2.575	2.463	2.516	2.535	2.66
51)	BENZENE										
		5.531	5.357	5.169	5.087	5.061	5.003	5.028	4.815	4.901	5.106	4.34
52)	I 1,4-DIFLUOROBENZENE	----------ISTD----------									
53)	CYCLOHEXANE										

```
                0.457 0.431 0.436 0.439 0.438 0.437 0.428 0.435   0.438    1.98
54)  2,3-DIMETHYLPENTANE
                0.246 0.226 0.235 0.232 0.239 0.233 0.229 0.232   0.234    2.57
55)  TRICHLOROETHENE
          0.435 0.393 0.431 0.427 0.419 0.427 0.426 0.415 0.420   0.421    2.95
56)  1,2-DICHLOROPROPANE
                0.447 0.440 0.435 0.433 0.439 0.436 0.427 0.434   0.436    1.32
57)  DIBROMOMETHANE
                0.364 0.323 0.317 0.325 0.331 0.328 0.323 0.330   0.330    4.37
58)  ETHYL ACRYLATE
          1.097 1.082 1.045 1.061 1.040 1.054 1.045 1.031 1.048   1.056    2.02
59)  BROMODICHLOROMETHANE
                0.461 0.456 0.474 0.583 0.633 0.660 0.668 0.687   0.578   17.21
60)  2,2,4-TRIMETHYLPENTANE
          2.396 2.369 2.254 2.298 2.193 2.211 2.177 2.124 2.156   2.242    4.23
61)  1,4-DIOXANE
                      0.247 0.275 0.257 0.248 0.237 0.229 0.235   0.247    6.34
62)  HEPTANE
          1.313 0.986 0.901 0.854 0.843 0.844 0.832 0.817 0.828   0.913   17.39
63)  METHYL METHACRYLATE
                0.440 0.399 0.397 0.393 0.401 0.395 0.385 0.392   0.400    4.18
64)  METHYL ISOBUTYL KETONE
                0.479 0.486 0.482 0.449 0.444 0.435 0.421 0.425   0.453    5.79
65)  CIS-1,3-DICHLOROPROPENE
                0.394 0.466 0.454 0.513 0.553 0.569 0.573 0.585   0.513   13.45
66)  TOLUENE
          1.154 1.165 1.218 1.211 1.188 1.206 1.198 1.178 1.196   1.190    1.79
67)  1,3-DICHLOROPROPANE
          0.614 0.565 0.571 0.604 0.602 0.610 0.608 0.598 0.604   0.597    2.90
68)  TRANS-1,3-DICHLOROPROPENE
                0.371 0.373 0.388 0.453 0.493 0.515 0.524 0.541   0.457   15.55
69)  1,1,2-TRICHLOROETHANE
                0.369 0.348 0.348 0.344 0.349 0.347 0.341 0.346   0.349    2.39
70)  2-HEXANONE
          0.744 0.721 0.706 0.694 0.648 0.644 0.626 0.601 0.607   0.666    7.83
71)  ETHYL METHACRYLATE
          0.831 0.709 0.690 0.672 0.666 0.672 0.666 0.650 0.660   0.691    8.02
72)  TETRACHLOROETHENE
          0.374 0.379 0.417 0.402 0.403 0.422 0.420 0.405 0.412   0.404    4.23
73)  DIBROMOCHLOROMETHANE
                      0.245 0.275 0.423 0.498 0.557 0.596 0.620   0.459   32.90
74)  1,2-DIBROMOETHANE
                0.526 0.527 0.549 0.572 0.590 0.596 0.589 0.594   0.568    5.25
75)  OCTANE
          1.563 1.291 1.228 1.208 1.164 1.185 1.180 1.158 1.178   1.240   10.34

76) I   CHLOROBENZENE-D5      ----------------ISTD---------------------
77)  1,1,1,2-TETRACHLOROETHANE
                0.327 0.333 0.325 0.393 0.436 0.462 0.472 0.486   0.404   17.01
78)  CHLOROBENZENE
          0.988 1.045 0.964 1.007 0.974 0.972 0.976 0.955 0.972   0.984    2.76
79)  ETHYLBENZENE
          1.710 1.738 1.700 1.687 1.713 1.741 1.726 1.699 1.739   1.717    1.16
80)  M,P-XYLENE
          1.380 1.290 1.298 1.353 1.338 1.354 1.349 1.323 1.351   1.337    2.15
81)  O-XYLENE
          1.457 1.353 1.346 1.366 1.361 1.382 1.375 1.348 1.372   1.373    2.47
82)  STYRENE
          0.926 0.891 0.900 0.922 0.980 1.006 1.007 0.995 1.016   0.960    5.21
83)  NONANE
```

Initial Calibration Summary

Job Number: JD79054 **Sample:** V7W163-ICC0163
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 7W04091.D
Project: 99 Franklin Courts, Tarrytown, NY

```
          1.786 1.566 1.401 1.335 1.325 1.341 1.339 1.308 1.337   1.415   11.30
84)  BROMOFORM
                     0.222 0.203 0.324 0.398 0.490 0.557 0.594   0.398   39.23
           ---- Quadratic regression ----  Coefficient =  0.9996
             Response Ratio = -0.02358 + 0.41295 *A + 0.03728 *A^2

85)  1,1,2,2-TETRACHLOROETHANE
          0.897 0.945 0.901 0.940 0.970 0.997 1.002 1.001 1.027   0.964    4.84
86)  1,2,3-TRICHLOROPROPANE
               0.717 0.750 0.784 0.793 0.802 0.806 0.797 0.815   0.783    4.24
87)  4-BROMOFLUOROBENZENE
          0.818 0.829 0.818 0.841 0.833 0.834 0.836 0.849 0.853   0.834    1.45
88)  ISOPROPYLBENZENE
               0.424 0.433 0.492 0.478 0.489 0.484 0.478 0.484   0.470    5.62
89)  BROMOBENZENE
          0.933 0.996 0.962 0.977 0.971 0.979 0.982 0.969 0.989   0.973    1.89
90)  2-CHLOROTOLUENE
               0.364 0.421 0.426 0.434 0.440 0.440 0.435 0.443   0.425    6.13
91)  N-PROPYLBENZENE
               0.469 0.465 0.510 0.504 0.517 0.513 0.506 0.518   0.500    4.19
92)  4-ETHYLTOLUENE
          1.750 1.671 1.702 1.807 1.846 1.885 1.899 1.881 1.912   1.817    4.94
93)  1,3,5-TRIMETHYLBENZENE
          1.475 1.409 1.520 1.535 1.556 1.601 1.615 1.598 1.638   1.550    4.76
94)  ALPHA-METHYLSTYRENE
               0.666 0.677 0.722 0.776 0.804 0.815 0.811 0.832   0.763    8.62
95)  TERT-BUTYLBENZENE
               0.358 0.323 0.367 0.356 0.363 0.365 0.357 0.363   0.357    3.98
96)  1,2,4-TRIMETHYLBENZENE
          1.491 1.433 1.442 1.592 1.592 1.633 1.638 1.621 1.671   1.568    5.69
97)  BENZYL CHLORIDE
                     0.605 0.670 0.910 1.120 1.267 1.396 1.481   1.064   32.53
98)  M-DICHLOROBENZENE
          0.846 0.897 0.902 0.935 0.922 0.959 0.964 0.965 0.996   0.932    4.88
99)  P-DICHLOROBENZENE
          0.890 0.902 0.901 0.937 0.918 0.949 0.971 0.968 0.994   0.937    3.91
100)  O-DICHLOROBENZENE
          0.886 0.815 0.888 0.912 0.896 0.930 0.948 0.949 0.974   0.911    5.18
101)  SEC-BUTYLBENZENE
               0.416 0.421 0.441 0.441 0.450 0.448 0.447 0.454   0.440    3.15
102)  1,2,3-TRIMETHYLBENZENE
          1.449 1.475 1.526 1.562 1.597 1.642 1.671 1.681 1.720   1.591    5.98
103)  P-ISOPROPYLTOLUENE
               0.439 0.456 0.463 0.481 0.498 0.503 0.495 0.510   0.481    5.30
104)  N-BUTYLBENZENE
               0.445 0.430 0.455 0.455 0.473 0.490 0.486 0.503   0.467    5.36
105)  HEXACHLOROETHANE
                     0.222 0.233 0.325 0.393 0.471 0.540 0.576   0.395   35.93
           ---- Quadratic regression ----  Coefficient =  0.9998
             Response Ratio = -0.01941 + 0.39709 *A + 0.03675 *A^2

106)  HEXACHLOROBUTADIENE
               0.626 0.610 0.652 0.639 0.670 0.736 0.801 0.890   0.703   14.02
107)  1,2,4-TRICHLOROBENZENE
               0.663 0.662 0.738 0.751 0.814 0.885 0.981 1.115   0.826   19.30
108)  NAPHTHALENE
          1.754 1.625 1.682 1.860 1.908 2.073 2.271 2.584 2.980   2.082   21.81

109) I   BROMOCHLOROMETHANE (A ----------------ISTD---------------------
110)  TVHC as equiv Pentane
```

Initial Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-ICC0163
Lab FileID: 7W04091.D

```
           1.616 1.344 1.026 1.013 0.975 0.948 0.957 0.873 0.893   1.072 E1   22.98
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          M7W0163.M         Tue Nov 21 13:57:39 2023
```

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-ICV0163
Lab FileID: 7W04097.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w04097.D Vial: 4
Acq On : 20 Nov 2023 12:10 am Operator: taylors
Sample : icv0163-10 Inst : MS7W
Misc : MS74014,v7w0163,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0163.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Nov 21 13:55:34 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	101	0.00	3.27
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.959	0.997	-4.0	103	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.405	0.416	-2.7	105	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.779	1.897	-6.6	106	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.091	4.012	1.9	99	0.00	1.69
7	T	PROPYLENE	1.706	1.564	8.3	103	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	2.883	2.978	-3.3	105	0.00	1.73
9	T	FREON 114	3.401	3.321	2.4	99	0.00	1.76
10	T	CHLOROMETHANE	0.540	0.534	1.1	100	0.00	1.73
11	T	VINYL CHLORIDE	1.666	1.701	-2.1	102	0.00	1.79
12	t	1,3-BUTADIENE	1.440	1.436	0.3	101	0.00	1.83
13	T	N-BUTANE	2.965	2.868	3.3	102	0.00	1.85
14	T	BROMOMETHANE	1.237	1.190	3.8	100	0.00	1.91
15	T	CHLOROETHANE	0.863	0.867	-0.5	102	0.00	1.96
16	T	DICHLOROFLUOROMETHANE	3.260	3.078	5.6	97	0.00	1.98
17	T	ACETONITRILE	1.891	1.686	10.8	96	0.00	2.05
18	T	ACROLEIN	0.844	0.827	2.0	108	0.00	2.09
19	T	FREON 123	3.138	3.233	-3.0	104	0.00	2.10
20	T	FREON 123A	1.607	1.777	-10.6	110	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.224	3.089	4.2	97	0.00	2.18
22	T	ISOPROPYL ALCOHOL	4.203	4.009	4.6	101	0.00	2.20
23	T	ACETONE	0.989	0.926	6.4	104	0.00	2.13
24	T	PENTANE	2.200	2.151	2.2	103	0.00	2.30
25	T	IODOMETHANE	3.034	3.001	1.1	100	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.326	1.375	-3.7	103	0.00	2.39
27	T	CARBON DISULFIDE	3.456	3.801	-10.0	109	0.00	2.52
28	T	ETHANOL	1.017	0.890	12.5	93	0.00	1.99
29	T	BROMOETHENE	1.141	1.167	-2.3	102	0.00	2.06
30	T	ACRYLONITRILE	1.442	1.426	1.1	100	0.00	2.27
31	T	METHYLENE CHLORIDE	1.282	1.245	2.9	101	0.00	2.43
32	T	3-CHLOROPROPENE	0.695	0.688	1.0	102	0.00	2.46
33	T	FREON 113	1.883	1.888	-0.3	101	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.538	1.574	-2.3	105	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	4.173	3.698	11.4	90	0.00	2.41
36	t	METHYL TERTIARY BUTYL ETH	4.785	4.742	0.9	101	0.00	2.86
37	T	TETRAHYDROFURAN	0.815	0.761	6.6	95	0.00	3.55
38	T	HEXANE	3.680	3.541	3.8	104	0.00	3.32
39	T	VINYL ACETATE	0.361	0.394	-9.1	103	0.00	2.89
40	T	1,1-DICHLOROETHANE	3.324	3.319	0.2	102	0.00	2.82
41	T	METHYL ETHYL KETONE	0.858	0.850	0.9	101	0.00	2.99
42	T	CIS-1,2-DICHLOROETHENE	1.637	1.654	-1.0	101	0.00	3.19

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-ICV0163
Lab FileID: 7W04097.D

43	T	DIISOPROPYL ETHER	0.974	0.977	-0.3	101	0.00	3.33
44	T	ETHYL ACETATE	0.624	0.679	-8.8	109	0.00	3.33
45	T	METHYL ACRYLATE	4.378	4.289	2.0	103	0.00	3.31
46	T	CHLOROFORM	3.219	3.205	0.4	101	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	4.367	4.118	5.7	101	0.00	3.84
48	T	1,1,1-TRICHLOROETHANE	3.033	3.158	-4.1	103	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.476	2.760	-11.5	106	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.535	2.572	-1.5	101	0.00	3.75
51	t	BENZENE	5.106	4.975	2.6	101	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00	4.55
53	T	CYCLOHEXANE	0.438	0.440	-0.5	102	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.234	0.235	-0.4	100	0.00	4.70
55	T	TRICHLOROETHENE	0.421	0.426	-1.2	101	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.436	0.439	-0.7	102	0.00	4.90
57	T	DIBROMOMETHANE	0.330	0.335	-1.5	103	0.00	4.86
58	T	ETHYL ACRYLATE	1.056	1.067	-1.0	103	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.578	0.646	-11.8	104	0.00	5.08
60	T	2,2,4-TRIMETHYLPENTANE	2.242	2.191	2.3	101	0.00	5.23
61	T	1,4-DIOXANE	0.247	0.236	4.5	96	0.00	5.15
62	T	HEPTANE	0.913	0.848	7.1	102	0.00	5.54
63	T	METHYL METHACRYLATE	0.400	0.389	2.8	99	0.00	5.44
64	T	METHYL ISOBUTYL KETONE	0.453	0.439	3.1	101	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.513	0.602	-17.3	110	0.00	6.07
66	T	TOLUENE	1.190	1.203	-1.1	101	0.00	7.28
67	T	1,3-DICHLOROPROPANE	0.597	0.624	-4.5	104	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.457	0.515	-12.7	106	0.00	6.75
69	T	1,1,2-TRICHLOROETHANE	0.349	0.347	0.6	101	0.00	6.91
70	T	2-HEXANONE	0.666	0.638	4.2	101	0.00	7.86
71	T	ETHYL METHACRYLATE	0.691	0.669	3.2	101	0.00	7.98
72	T	TETRACHLOROETHENE	0.404	0.420	-4.0	101	0.00	9.01
73	T	DIBROMOCHLOROMETHANE	0.459	0.520	-13.3	106	0.00	7.81
74	T	1,2-DIBROMOETHANE	0.568	0.599	-5.5	103	0.00	8.15
75	T	OCTANE	1.240	1.178	5.0	101	0.00	9.16
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	100	0.00	10.14
77	T	1,1,1,2-TETRACHLOROETHANE	0.404	0.446	-10.4	103	0.00	10.23
78	T	CHLOROBENZENE	0.984	0.992	-0.8	102	0.00	10.22
79	t	ETHYLBENZENE	1.717	1.747	-1.7	101	0.00	11.10
80	t	M,P-XYLENE	1.337	1.363	-1.9	101	0.05	11.53
81	t	O-XYLENE	1.373	1.372	0.1	100	0.00	12.46
82	T	STYRENE	0.960	1.019	-6.1	102	0.00	12.26
83	T	NONANE	1.415	1.346	4.9	101	0.00	13.59
		----------	True	Calc.	% Drift	----------		
84	T	BROMOFORM	10.000	9.893	1.1	106	0.00	11.34
		----------	AvgRF	CCRF	% Dev	----------		
85	T	1,1,2,2-TETRACHLOROETHANE	0.964	1.005	-4.3	101	0.00	12.48
86	T	1,2,3-TRICHLOROPROPANE	0.783	0.801	-2.3	100	0.00	12.76
87	S	4-BROMOFLUOROBENZENE	0.834	0.840	-0.7	101	0.00	13.51
88	T	ISOPROPYLBENZENE	0.470	0.490	-4.3	101	0.00	13.98
89	T	BROMOBENZENE	0.973	0.999	-2.7	102	0.00	13.85
90	T	2-CHLOROTOLUENE	0.425	0.438	-3.1	100	0.00	14.98
91	T	N-PROPYLBENZENE	0.500	0.512	-2.4	99	0.00	15.32
92	T	4-ETHYLTOLUENE	1.817	1.900	-4.6	101	0.00	15.77
93	T	1,3,5-TRIMETHYLBENZENE	1.550	1.606	-3.6	101	0.00	16.02
94	T	ALPHA-METHYLSTYRENE	0.763	0.800	-4.8	100	0.00	16.29
95	T	TERT-BUTYLBENZENE	0.357	0.366	-2.5	101	0.00	16.58
96	T	1,2,4-TRIMETHYLBENZENE	1.568	1.639	-4.5	101	0.00	16.59

Initial Calibration Verification

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W163-ICV0163
Lab FileID: 7W04097.D

97	T	BENZYL CHLORIDE	1.064	1.216	-14.3	109	0.00	16.68
98	T	M-DICHLOROBENZENE	0.932	0.994	-6.7	104	0.00	16.65
99	T	P-DICHLOROBENZENE	0.937	1.004	-7.2	106	0.00	16.74
100	T	O-DICHLOROBENZENE	0.911	0.943	-3.5	102	0.00	17.05
101	T	SEC-BUTYLBENZENE	0.440	0.451	-2.5	101	0.00	16.88
102	T	1,2,3-TRIMETHYLBENZENE	1.591	1.607	-1.0	98	0.00	17.00
103	T	P-ISOPROPYLTOLUENE	0.481	0.496	-3.1	100	0.00	17.07
104	T	N-BUTYLBENZENE	0.467	0.475	-1.7	101	0.00	17.43
			True	Calc.	% Drift			
105	T	HEXACHLOROETHANE	10.000	10.469	-4.7	111	0.00	17.61
			AvgRF	CCRF	% Dev			
106	T	HEXACHLOROBUTADIENE	0.703	0.673	4.3	101	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.826	0.875	-5.9	108	0.00	18.35
108	T	NAPHTHALENE	2.082	2.426	-16.5	117	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	101	0.00	3.27
110		TVHC as equiv Pentane	10.718	9.909	7.5	106	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w04091.D M7W0163.M Tue Nov 21 13:57:57 2023

Continuing Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W180-CC163
Lab FileID: 7W04523.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\7w04523.D Vial: 2
Acq On : 13 Dec 2023 9:11 am Operator: taylors
Sample : cc163-10 Inst : MS7W
Misc : MS75828,v7w0180,,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\M7W0163.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Tue Nov 21 13:55:34 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	105	0.00	3.26
2	T	FREON 115		----------NA----------				
3	T	FREON 152A	0.959	0.976	-1.8	104	0.00	1.65
4	T	CHLORODIFLUOROMETHANE	0.405	0.428	-5.7	111	0.00	1.66
5	T	CHLOROTRIFLUOROETHENE	1.779	1.877	-5.5	108	0.00	1.67
6	T	DICHLORODIFLUOROMETHANE	4.091	4.381	-7.1	112	0.00	1.69
7	T	PROPYLENE	1.706	1.524	10.7	103	0.00	1.67
8	T	1-CHLORO-1,1-DIFLUOROETHA	2.883	3.163	-9.7	115	0.00	1.72
9	T	FREON 114	3.401	3.684	-8.3	113	0.00	1.76
10	T	CHLOROMETHANE	0.540	0.595	-10.2	114	0.00	1.73
11	T	VINYL CHLORIDE	1.666	1.785	-7.1	110	0.00	1.79
12	t	1,3-BUTADIENE	1.440	1.582	-9.9	114	0.00	1.83
13	T	N-BUTANE	2.965	3.242	-9.3	119	0.00	1.85
14	T	BROMOMETHANE	1.237	1.263	-2.1	110	0.00	1.90
15	T	CHLOROETHANE	0.863	0.967	-12.1	117	0.00	1.95
16	T	DICHLOROFLUOROMETHANE	3.260	3.518	-7.9	115	0.00	1.98
17	T	ACETONITRILE	1.891	2.029	-7.3	119	0.00	2.05
18	T	ACROLEIN	0.844	0.967	-14.6	130	0.00	2.08
19	T	FREON 123	3.138	3.369	-7.4	111	0.00	2.10
20	T	FREON 123A	1.607	1.761	-9.6	113	0.00	2.12
21	T	TRICHLOROFLUOROMETHANE	3.224	3.726	-15.6	121	0.00	2.18
22	T	ISOPROPYL ALCOHOL	4.203	4.375	-4.1	114	0.00	2.20
23	T	ACETONE	0.989	0.995	-0.6	115	0.00	2.12
24	T	PENTANE	2.200	2.380	-8.2	118	0.00	2.30
25	T	IODOMETHANE	3.034	3.306	-9.0	114	0.00	2.36
26	T	1,1-DICHLOROETHYLENE	1.326	1.394	-5.1	108	0.00	2.38
27	T	CARBON DISULFIDE	3.456	3.799	-9.9	113	0.00	2.52
28	T	ETHANOL	1.017	1.099	-8.1	119	0.00	1.98
29	T	BROMOETHENE	1.141	1.272	-11.5	114	0.00	2.06
30	T	ACRYLONITRILE	1.442	1.569	-8.8	114	0.00	2.26
31	T	METHYLENE CHLORIDE	1.282	1.337	-4.3	112	0.00	2.42
32	T	3-CHLOROPROPENE	0.695	0.743	-6.9	113	0.00	2.46
33	T	FREON 113	1.883	2.052	-9.0	113	0.00	2.52
34	T	TRANS-1,2-DICHLOROETHENE	1.538	1.507	2.0	104	0.00	2.75
35	T	TERTIARY BUTYL ALCOHOL	4.173	4.149	0.6	104	0.00	2.40
36	t	METHYL TERTIARY BUTYL ETH	4.785	4.721	1.3	103	0.00	2.86
37	T	TETRAHYDROFURAN	0.815	0.833	-2.2	107	0.00	3.55
38	T	HEXANE	3.680	3.510	4.6	107	0.00	3.32
39	T	VINYL ACETATE	0.361	0.398	-10.2	108	0.00	2.89
40	T	1,1-DICHLOROETHANE	3.324	3.375	-1.5	107	0.00	2.82
41	T	METHYL ETHYL KETONE	0.858	0.878	-2.3	108	0.00	2.99
42	T	CIS-1,2-DICHLOROETHENE	1.637	1.639	-0.1	103	0.00	3.19

Continuing Calibration Summary

Job Number: JD79054 **Sample:** V7W180-CC163
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 7W04523.D
Project: 99 Franklin Courts, Tarrytown, NY

43	T	DIISOPROPYL ETHER	0.974	0.990	-1.6	105	0.00	3.32
44	T	ETHYL ACETATE	0.624	0.633	-1.4	104	0.00	3.33
45	T	METHYL ACRYLATE	4.378	4.310	1.6	107	0.00	3.31
46	T	CHLOROFORM	3.219	3.384	-5.1	110	0.00	3.34
47	T	2,4-DIMETHYLPENTANE	4.367	4.198	3.9	106	0.00	3.83
48	T	1,1,1-TRICHLOROETHANE	3.033	3.079	-1.5	103	0.00	3.91
49	T	CARBON TETRACHLORIDE	2.476	2.862	-15.6	114	0.00	4.34
50	T	1,2-DICHLOROETHANE	2.535	2.677	-5.6	109	0.00	3.75
51	t	BENZENE	5.106	5.163	-1.1	108	0.00	4.23
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	107	0.00	4.55
53	T	CYCLOHEXANE	0.438	0.438	0.0	107	0.00	4.44
54	T	2,3-DIMETHYLPENTANE	0.234	0.239	-2.1	107	0.00	4.69
55	T	TRICHLOROETHENE	0.421	0.426	-1.2	106	0.00	5.13
56	T	1,2-DICHLOROPROPANE	0.436	0.433	0.7	105	0.00	4.89
57	T	DIBROMOMETHANE	0.330	0.341	-3.3	110	0.00	4.85
58	T	ETHYL ACRYLATE	1.056	1.027	2.7	104	0.00	5.01
59	T	BROMODICHLOROMETHANE	0.578	0.694	-20.1	117	0.00	5.07
60	T	2,2,4-TRIMETHYLPENTANE	2.242	2.197	2.0	106	0.00	5.23
61	T	1,4-DIOXANE	0.247	0.243	1.6	104	0.00	5.15
62	T	HEPTANE	0.913	0.855	6.4	108	0.00	5.54
63	T	METHYL METHACRYLATE	0.400	0.391	2.3	104	0.00	5.43
64	T	METHYL ISOBUTYL KETONE	0.453	0.440	2.9	106	0.00	6.18
65	T	CIS-1,3-DICHLOROPROPENE	0.513	0.542	-5.7	105	0.00	6.06
66	T	TOLUENE	1.190	1.182	0.7	105	0.00	7.28
67	T	1,3-DICHLOROPROPANE	0.597	0.630	-5.5	110	0.00	7.33
68	T	TRANS-1,3-DICHLOROPROPENE	0.457	0.456	0.2	99	0.00	6.75
69	T	1,1,2-TRICHLOROETHANE	0.349	0.354	-1.4	108	0.00	6.91
70	T	2-HEXANONE	0.666	0.643	3.5	106	0.00	7.86
71	T	ETHYL METHACRYLATE	0.691	0.646	6.5	103	0.00	7.98
72	T	TETRACHLOROETHENE	0.404	0.426	-5.4	108	0.00	9.01
73	T	DIBROMOCHLOROMETHANE	0.459	0.587	-27.9	126	0.00	7.81
74	T	1,2-DIBROMOETHANE	0.568	0.616	-8.5	111	0.00	8.15
75	T	OCTANE	1.240	1.202	3.1	108	0.00	9.16
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	105	0.00	10.14
77	T	1,1,1,2-TETRACHLOROETHANE	0.404	0.478	-18.3	115	0.00	10.23
78	T	CHLOROBENZENE	0.984	1.029	-4.6	111	0.00	10.22
79	t	ETHYLBENZENE	1.717	1.733	-0.9	104	0.00	11.10
80	t	M,P-XYLENE	1.337	1.340	-0.2	104	0.04	11.53
81	t	O-XYLENE	1.373	1.376	-0.2	104	0.00	12.47
82	T	STYRENE	0.960	1.042	-8.5	109	0.00	12.25
83	T	NONANE	1.415	1.379	2.5	108	0.00	13.59
		----------	True	Calc.	% Drift	----------		
84	T	BROMOFORM	10.000	12.085	-20.9	139	0.00	11.34
		----------	AvgRF	CCRF	% Dev	----------		
85	T	1,1,2,2-TETRACHLOROETHANE	0.964	1.026	-6.4	108	0.00	12.48
86	T	1,2,3-TRICHLOROPROPANE	0.783	0.836	-6.8	109	0.00	12.76
87	S	4-BROMOFLUOROBENZENE	0.834	0.794	4.8	100	0.00	13.50
88	T	ISOPROPYLBENZENE	0.470	0.500	-6.4	107	0.00	13.98
89	T	BROMOBENZENE	0.973	1.026	-5.4	110	0.00	13.85
90	T	2-CHLOROTOLUENE	0.425	0.450	-5.9	107	0.00	14.98
91	T	N-PROPYLBENZENE	0.500	0.526	-5.2	107	0.00	15.32
92	T	4-ETHYLTOLUENE	1.817	1.961	-7.9	109	0.00	15.77
93	T	1,3,5-TRIMETHYLBENZENE	1.550	1.657	-6.9	108	0.00	16.02
94	T	ALPHA-METHYLSTYRENE	0.763	0.810	-6.2	105	0.00	16.29
95	T	TERT-BUTYLBENZENE	0.357	0.383	-7.3	111	0.00	16.58
96	T	1,2,4-TRIMETHYLBENZENE	1.568	1.699	-8.4	109	0.00	16.59

Continuing Calibration Summary

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V7W180-CC163
Lab FileID: 7W04523.D

97	T	BENZYL CHLORIDE	1.064	0.776	27.1	73	0.00	16.68
98	T	M-DICHLOROBENZENE	0.932	1.028	-10.3	112	0.00	16.65
99	T	P-DICHLOROBENZENE	0.937	1.048	-11.8	116	0.00	16.74
100	T	O-DICHLOROBENZENE	0.911	0.997	-9.4	112	0.00	17.05
101	T	SEC-BUTYLBENZENE	0.440	0.477	-8.4	111	0.00	16.88
102	T	1,2,3-TRIMETHYLBENZENE	1.591	1.712	-7.6	109	0.00	17.00
103	T	P-ISOPROPYLTOLUENE	0.481	0.524	-8.9	110	0.00	17.07
104	T	N-BUTYLBENZENE	0.467	0.507	-8.6	112	0.00	17.43
		----------	True	Calc.	% Drift	----------		
105	T	HEXACHLOROETHANE	10.000	10.537	-5.4	117	0.00	17.61
		----------	AvgRF	CCRF	% Dev	----------		
106	T	HEXACHLOROBUTADIENE	0.703	0.708	-0.7	111	0.00	18.66
107	T	1,2,4-TRICHLOROBENZENE	0.826	0.943	-14.2	121	0.00	18.35
108	T	NAPHTHALENE	2.082	2.290	-10.0	116	0.00	18.40
109	I	BROMOCHLOROMETHANE (A)	1.000	1.000	0.0	105	0.00	3.26
110		TVHC as equiv Pentane	10.718	10.816	-0.9	119	0.00	2.30

(#) = Out of Range SPCC's out = 0 CCC's out = 0
7w04091.D M7W0163.M Wed Dec 13 17:11:27 2023

Run Sequence Report

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3W3236	**Method:** TO-15	**Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W3236-BFB	3W82140.D	09/29/23 22:25	n/a	BFB Tune
V3W3236-IC3236	3W82141.D	09/29/23 23:04	n/a	Initial cal 0.04
V3W3236-IC3236	3W82142.D	09/29/23 23:44	n/a	Initial cal 0.1
V3W3236-IC3236	3W82143.D	09/30/23 00:25	n/a	Initial cal 0.2
V3W3236-IC3236	3W82144.D	09/30/23 01:07	n/a	Initial cal 0.5
V3W3236-IC3236	3W82146.D	09/30/23 02:27	n/a	Initial cal 5
V3W3236-ICC3236	3W82147.D	09/30/23 03:08	n/a	Initial cal 10
V3W3236-IC3236	3W82148.D	09/30/23 03:50	n/a	Initial cal 20
V3W3236-IC3236	3W82149.D	09/30/23 04:36	n/a	Initial cal 40
V3W3236-IC3236	3W82150.D	09/30/23 05:24	n/a	Initial cal 50
V3W3236-ICV3236	3W82153.D	09/30/23 07:31	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3W3300	**Method:** TO-15	**Instrument ID:** GCMS3W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3W3300-BFB	3W83787.D	12/20/23 08:54	n/a	BFB Tune
V3W3300-CC3236	3W83788.D	12/20/23 09:35	n/a	Continuing cal 10
V3W3300-BS	3W83789.D	12/20/23 10:28	n/a	Blank Spike
V3W3300-BSD	3W83790.D	12/20/23 11:38	n/a	Blank Spike Duplicate
V3W3300-MB	3W83792.D	12/20/23 13:20	n/a	Method Blank
ZZZZZZ	3W83793.D	12/20/23 15:33	n/a	(unrelated sample)
ZZZZZZ	3W83794.D	12/20/23 16:23	n/a	(unrelated sample)
ZZZZZZ	3W83795.D	12/20/23 17:09	n/a	(unrelated sample)
ZZZZZZ	3W83796.D	12/20/23 17:56	n/a	(unrelated sample)
ZZZZZZ	3W83797.D	12/20/23 18:42	n/a	(unrelated sample)
JD78965-1	3W83798.D	12/20/23 19:23	n/a	(used for QC only; not part of job JD79054)
JD78965-1DUP	3W83799.D	12/20/23 20:05	n/a	Duplicate
ZZZZZZ	3W83800.D	12/20/23 20:47	n/a	(unrelated sample)
JD79054-1	3W83801.D	12/20/23 21:28	n/a	SV101
ZZZZZZ	3W83802.D	12/20/23 22:10	n/a	(unrelated sample)
ZZZZZZ	3W83803.D	12/20/23 22:52	n/a	(unrelated sample)
ZZZZZZ	3W83804.D	12/20/23 23:33	n/a	(unrelated sample)
ZZZZZZ	3W83805.D	12/21/23 00:14	n/a	(unrelated sample)
ZZZZZZ	3W83806.D	12/21/23 00:55	n/a	(unrelated sample)
ZZZZZZ	3W83807.D	12/21/23 01:34	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V7W163	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W163-BFB	7W04084.D	11/19/23 16:23	n/a	BFB Tune
V7W163-IC0163	7W04085.D	11/19/23 16:57	n/a	Initial cal 0.04
V7W163-IC0163	7W04086.D	11/19/23 17:31	n/a	Initial cal 0.10
V7W163-IC0163	7W04087.D	11/19/23 18:06	n/a	Initial cal 0.20
V7W163-IC0163	7W04088.D	11/19/23 18:43	n/a	Initial cal 0.50
V7W163-IC0163	7W04090.D	11/19/23 19:50	n/a	Initial cal 5
V7W163-ICC0163	7W04091.D	11/19/23 20:26	n/a	Initial cal 10
V7W163-IC0163	7W04092.D	11/19/23 21:04	n/a	Initial cal 20
V7W163-IC0163	7W04093.D	11/19/23 21:44	n/a	Initial cal 40
V7W163-IC0163	7W04094.D	11/19/23 22:26	n/a	Initial cal 50
V7W163-ICV0163	7W04097.D	11/20/23 00:10	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD79054
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V7W180	**Method:** TO-15	**Instrument ID:** GCMS7W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V7W180-BFB	7W04522.D	12/13/23 08:37	n/a	BFB Tune
V7W180-CC163	7W04523.D	12/13/23 09:11	n/a	Continuing cal 10
V7W180-BS	7W04524.D	12/13/23 09:51	n/a	Blank Spike
V7W180-BSD	7W04525.D	12/13/23 10:26	n/a	Blank Spike Duplicate
V7W180-MB	7W04527.D	12/13/23 11:45	n/a	Method Blank
V7W180-SCC	7W04529.D	12/13/23 13:00	n/a	Summa Cleaning Certification
V7W180-SCC	7W04530.D	12/13/23 13:34	n/a	Summa Cleaning Certification
V7W180-SCC	7W04531.D	12/13/23 14:08	n/a	Summa Cleaning Certification
V7W180-SCC	7W04532.D	12/13/23 14:43	n/a	Summa Cleaning Certification
V7W180-SCC	7W04533.D	12/13/23 15:18	n/a	Summa Cleaning Certification
ZZZZZZ	7W04534.D	12/13/23 16:09	n/a	(unrelated sample)
ZZZZZZ	7W04535.D	12/13/23 16:55	n/a	(unrelated sample)
JD78632-1	7W04536.D	12/13/23 17:30	n/a	(used for QC only; not part of job JD79054)
JD78632-1DUP	7W04537.D	12/13/23 18:06	n/a	Duplicate
ZZZZZZ	7W04540.D	12/13/23 20:01	n/a	(unrelated sample)
ZZZZZZ	7W04541.D	12/13/23 20:45	n/a	(unrelated sample)
ZZZZZZ	7W04542.D	12/13/23 21:29	n/a	(unrelated sample)
ZZZZZZ	7W04543.D	12/13/23 22:13	n/a	(unrelated sample)
ZZZZZZ	7W04544.D	12/13/23 22:57	n/a	(unrelated sample)
ZZZZZZ	7W04545.D	12/13/23 23:32	n/a	(unrelated sample)
V7W180-SCC	7W04547.D	12/14/23 00:46	n/a	Summa Cleaning Certification
V7W180-SCC	7W04548.D	12/14/23 01:26	n/a	Summa Cleaning Certification
V7W180-SCC	7W04549.D	12/14/23 02:05	n/a	Summa Cleaning Certification
V7W180-SCC	7W04550.D	12/14/23 02:46	n/a	Summa Cleaning Certification
V7W180-SCC	7W04551.D	12/14/23 03:26	n/a	Summa Cleaning Certification
V7W180-SCC	7W04552.D	12/14/23 04:06	n/a	Summa Cleaning Certification
V7W180-SCC	7W04553.D	12/14/23 04:46	n/a	Summa Cleaning Certification

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

99 Franklin Courts, Tarrytown, NY

12345; PO#PHASSE 8.1

SGS Job Number: JD79126

Sampling Dates: 12/15/23 - 12/18/23

Report to:

SESI Consulting Engineers

ssg@sesi.org

ATTN: Steven Gustems

Total number of pages in report: **305**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Table of Contents

Sample Summary

SESI Consulting Engineers

Job No: JD79126

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#PHASSE 8.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD79126-1	12/15/23	08:20	GM	12/19/23	SO	Soil	SB112 (6-6.5)
JD79126-2	12/15/23	11:45	GM	12/19/23	SO	Soil	SB111 (2.5-3)
JD79126-3	12/18/23	09:40	GM	12/19/23	SO	Soil	SB108 (3.5'-4')
JD79126-4	12/18/23	13:45	GM	12/19/23	SO	Soil	SB107 (6.5'-7')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No:**	JD79126
Site:	99 Franklin Courts, Tarrytown, NY	**Report Date**	1/2/2024 9:22:29 AM

On 12/19/2023, 4 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 3.5 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD79126 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** V3C8080

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD79126-1MS, JD79126-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The duplicate RPD(s) for Methylene chloride are outside control limits for sample JD79126-2DUP. RPD acceptable due to low DUP and sample concentrations.
- JD79126-2 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD79126-2 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD79126-3 for Chloroethane: Associated CCV outside of control limits high, sample was ND.
- JD79126-3 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for Bromoform: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for Chloroethane: Associated CCV outside of control limits high, sample was ND.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51350

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- Sample(s) JD79126-1MS, JD79126-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JD79126-2 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD79126-2 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79126-2 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD79126-1 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79126-2 for Caprolactam: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD79126-3 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for 2-Nitroaniline: Associated CCV outside of control limits high, sample was ND.
- JD79126-3 for Caprolactam: Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
- JD79126-3 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.
- JD79126-3 for Di-n-octyl phthalate: Associated CCV outside of control limits high, sample was ND.
- JD79126-4 for N-Nitroso-di-n-propylamine: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP51354

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79261-3MS, JD79261-3MSD, OP51354-MSMSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 4,4'-DDE, 4,4'-DDT, alpha-BHC, gamma-BHC (Lindane), gamma-Chlordane, Dieldrin, Endosulfan-I, Endosulfan-II, Endrin, Endrin aldehyde, Endrin ketone, Heptachlor epoxide, Methoxychlor are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- The matrix spike duplicate (MSD) recovery(s) of Dieldrin, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-Chlordane, beta-BHC, delta-BHC, Endosulfan sulfate are outside control limits. Probable cause due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, alpha-BHC, alpha-Chlordane, beta-BHC, delta-BHC, Endosulfan sulfate, Endosulfan-I, Endosulfan-II, Endrin, Endrin aldehyde, Endrin ketone, gamma-Chlordane are outside control limits for sample OP51354-MSD. Probable cause due to sample homogeneity.
- OP51354-BS1 for Decachlorobiphenyl: Outside of in house control limits.
- OP51354-BS1 for Methoxychlor: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51354-BS1 for Tetrachloro-m-xylene: Outside of in house control limits.
- OP51354-MS for Endosulfan-II: Outside control limits due to matrix interference.
- OP51354-MS for Heptachlor epoxide: Outside control limits due to matrix interference.
- OP51354-MS for Methoxychlor: Outside control limits due to matrix interference.
- OP51354-MS for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- OP51354-MSD for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- OP51354-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP51354-MS for Endrin ketone: Outside control limits due to matrix interference.
- OP51354-BS1 for Endrin aldehyde: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51354-MS for Endrin: Outside control limits due to matrix interference.
- OP51354-BS1 for Heptachlor: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51354-MS for Endosulfan-I: Outside control limits due to matrix interference.
- OP51354-MS for Dieldrin: Outside control limits due to matrix interference.
- OP51354-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JD79126-2 for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- JD79126-1 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- OP51354-MS for Endrin aldehyde: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP51355

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

Metals Analysis By Method SW846 6010D

Matrix:	SO	Batch ID:	MP43884

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79126-2MS, JD79126-2MSD, JD79126-2PS, JD79126-2SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Antimony, Calcium, Magnesium are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- The serial dilution RPD(s) for Antimony, Selenium, Silver, Sodium are outside control limits for sample MP43884-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP43884-SD1 for Sodium: Serial dilution indicates possible matrix interference.

Metals Analysis By Method SW846 7471B

Matrix:	SO	Batch ID:	MP43922

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79163-11MS, JD79163-11MSD were used as the QC samples for the metals analysis.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix:	SO	Batch ID:	GN49622

- Sample(s) JD79126-1DUP were used as the QC samples for the Solids, Percent analysis.

General Chemistry By Method SW846 9012B/LACHAT

Matrix:	SO	Batch ID:	GP51253

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79356-1DUP, JD79356-1MS were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Spike recovery indicates possible matrix interference.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD79126
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/15/23 thru 12/18/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD79126-1	**SB112 (6-6.5)**					
Acetone		31.8	8.9	3.7	ug/kg	SW846 8260D
2-Butanone (MEK)		2.9 J	8.9	2.2	ug/kg	SW846 8260D
Carbon disulfide		1.8	1.8	0.48	ug/kg	SW846 8260D
Methylene chloride		2.8 J	4.5	2.3	ug/kg	SW846 8260D
bis(2-Ethylhexyl)phthalate		45.7 J	78	9.1	ug/kg	SW846 8270E
Pyrene		17.7 J	39	13	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		8710 J			ug/kg	
4,4'-DDE [a]		0.078 J	0.47	0.057	ug/kg	SW846 8081B
4,4'-DDT		0.11 J	0.47	0.083	ug/kg	SW846 8081B
Aluminum		4290	41		mg/kg	SW846 6010D
Barium		18.5	16		mg/kg	SW846 6010D
Beryllium		0.31	0.16		mg/kg	SW846 6010D
Calcium		5630	410		mg/kg	SW846 6010D
Chromium		9.8	0.81		mg/kg	SW846 6010D
Copper		15.4	2.0		mg/kg	SW846 6010D
Iron		9390	41		mg/kg	SW846 6010D
Lead		10.4	1.6		mg/kg	SW846 6010D
Magnesium		4040	410		mg/kg	SW846 6010D
Manganese		93.7	1.2		mg/kg	SW846 6010D
Nickel		8.3	3.3		mg/kg	SW846 6010D
Potassium		813	810		mg/kg	SW846 6010D
Vanadium		17.0	4.1		mg/kg	SW846 6010D
Zinc		21.5	4.1		mg/kg	SW846 6010D
JD79126-2	**SB111 (2.5-3)**					
Methylene chloride		4.5	4.4	2.3	ug/kg	SW846 8260D
Benzo(a)anthracene		59.4	37	10	ug/kg	SW846 8270E
Benzo(a)pyrene		78.0	37	17	ug/kg	SW846 8270E
Benzo(b)fluoranthene		96.6	37	16	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		55.1	37	18	ug/kg	SW846 8270E
Benzo(k)fluoranthene		34.6 J	37	17	ug/kg	SW846 8270E
Chrysene		66.4	37	12	ug/kg	SW846 8270E
Fluoranthene		79.3	37	16	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		48.7	37	17	ug/kg	SW846 8270E
Phenanthrene		34.1 J	37	12	ug/kg	SW846 8270E
Pyrene		90.2	37	12	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		620 J			ug/kg	
4,4'-DDT [b]		0.29 J	0.44	0.077	ug/kg	SW846 8081B
Aluminum		10400	55		mg/kg	SW846 6010D
Arsenic		2.7	2.2		mg/kg	SW846 6010D
Barium		87.0	22		mg/kg	SW846 6010D
Beryllium		0.71	0.22		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD79126
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/15/23 thru 12/18/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Calcium		3980	550		mg/kg	SW846 6010D
Chromium		32.3	1.1		mg/kg	SW846 6010D
Cobalt		8.2	5.5		mg/kg	SW846 6010D
Copper		18.6	2.7		mg/kg	SW846 6010D
Iron		17000	55		mg/kg	SW846 6010D
Lead		20.2	2.2		mg/kg	SW846 6010D
Magnesium		6160	550		mg/kg	SW846 6010D
Manganese		326	1.6		mg/kg	SW846 6010D
Mercury		0.32	0.035		mg/kg	SW846 7471B
Nickel		21.1	4.4		mg/kg	SW846 6010D
Potassium		2770	1100		mg/kg	SW846 6010D
Vanadium		31.2	5.5		mg/kg	SW846 6010D
Zinc		58.0	5.5		mg/kg	SW846 6010D
JD79126-3	**SB108 (3.5'-4')**					
Acetone		39.2	11	4.7	ug/kg	SW846 8260D
2-Butanone (MEK)		8.9 J	11	2.8	ug/kg	SW846 8260D
Methylene chloride		5.5 J	5.7	3.0	ug/kg	SW846 8260D
Acenaphthylene		176	46	23	ug/kg	SW846 8270E
Anthracene		73.4	46	28	ug/kg	SW846 8270E
Benzo(a)anthracene		341	46	13	ug/kg	SW846 8270E
Benzo(a)pyrene		485	46	21	ug/kg	SW846 8270E
Benzo(b)fluoranthene		581	46	20	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		482	46	23	ug/kg	SW846 8270E
Benzo(k)fluoranthene		225	46	22	ug/kg	SW846 8270E
Carbazole		36.1 J	92	6.7	ug/kg	SW846 8270E
Caprolactam [c]		56.0 J	92	18	ug/kg	SW846 8270E
Chrysene		386	46	15	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		101	46	20	ug/kg	SW846 8270E
Fluoranthene		554	46	21	ug/kg	SW846 8270E
Fluorene		22.0 J	46	21	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		399	46	22	ug/kg	SW846 8270E
2-Methylnaphthalene		17.2 J	46	10	ug/kg	SW846 8270E
Naphthalene		34.9 J	46	13	ug/kg	SW846 8270E
Phenanthrene		184	46	16	ug/kg	SW846 8270E
Pyrene		584	46	15	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		3260 J			ug/kg	
alpha-Chlordane		0.13 J	0.54	0.073	ug/kg	SW846 8081B
4,4'-DDD		3.3	0.54	0.056	ug/kg	SW846 8081B
4,4'-DDE		1.7	0.54	0.064	ug/kg	SW846 8081B
4,4'-DDT		1.6	0.54	0.094	ug/kg	SW846 8081B
Aluminum		9060	47		mg/kg	SW846 6010D
Arsenic		3.1	1.9		mg/kg	SW846 6010D
Barium		63.5	19		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD79126
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/15/23 thru 12/18/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Beryllium		0.32	0.19		mg/kg	SW846 6010D
Calcium		2830	470		mg/kg	SW846 6010D
Chromium		16.3	0.93		mg/kg	SW846 6010D
Cobalt		6.7	4.7		mg/kg	SW846 6010D
Copper		18.2	2.3		mg/kg	SW846 6010D
Iron		13800	47		mg/kg	SW846 6010D
Lead		39.5	1.9		mg/kg	SW846 6010D
Magnesium		4100	470		mg/kg	SW846 6010D
Manganese		152	1.4		mg/kg	SW846 6010D
Mercury		0.15	0.040		mg/kg	SW846 7471B
Nickel		16.6	3.7		mg/kg	SW846 6010D
Potassium		1160	930		mg/kg	SW846 6010D
Vanadium		18.9	4.7		mg/kg	SW846 6010D
Zinc		72.8	4.7		mg/kg	SW846 6010D
JD79126-4	**SB107 (6.5'-7')**					
Acetone		7.6 J	12	4.9	ug/kg	SW846 8260D
Chloroform		4.5	2.3	0.61	ug/kg	SW846 8260D
Methylene chloride		8.0	5.9	3.1	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		2140 J			ug/kg	
Aluminum		4430	41		mg/kg	SW846 6010D
Barium		28.8	16		mg/kg	SW846 6010D
Calcium		1320	410		mg/kg	SW846 6010D
Chromium		8.5	0.82		mg/kg	SW846 6010D
Copper		7.8	2.1		mg/kg	SW846 6010D
Iron		8060	41		mg/kg	SW846 6010D
Lead		3.1	1.6		mg/kg	SW846 6010D
Magnesium		2430	410		mg/kg	SW846 6010D
Manganese		128	1.2		mg/kg	SW846 6010D
Nickel		8.9	3.3		mg/kg	SW846 6010D
Potassium		1250	820		mg/kg	SW846 6010D
Vanadium		9.3	4.1		mg/kg	SW846 6010D
Zinc		29.3	4.1		mg/kg	SW846 6010D

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(c) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C184945.D	1	12/21/23 13:30	PS	12/19/23 14:00	n/a	V3C8080
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	31.8	8.9	3.7	ug/kg	
71-43-2	Benzene	ND	0.45	0.41	ug/kg	
74-97-5	Bromochloromethane	ND	4.5	0.50	ug/kg	
75-27-4	Bromodichloromethane	ND	1.8	0.38	ug/kg	
75-25-2	Bromoform [a]	ND	4.5	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.5	0.68	ug/kg	
78-93-3	2-Butanone (MEK)	2.9	8.9	2.2	ug/kg	J
75-15-0	Carbon disulfide	1.8	1.8	0.48	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.8	0.55	ug/kg	
108-90-7	Chlorobenzene	ND	1.8	0.41	ug/kg	
75-00-3	Chloroethane [a]	ND	4.5	0.53	ug/kg	
67-66-3	Chloroform	ND	1.8	0.46	ug/kg	
74-87-3	Chloromethane	ND	4.5	1.8	ug/kg	
110-82-7	Cyclohexane	ND	1.8	0.59	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.8	0.62	ug/kg	
124-48-1	Dibromochloromethane	ND	1.8	0.50	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.89	0.38	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.89	0.49	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.89	0.44	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.89	0.44	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.5	0.65	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.89	0.44	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.89	0.42	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.89	0.59	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.89	0.75	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.89	0.55	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.8	0.42	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.8	0.42	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.8	0.41	ug/kg	
100-41-4	Ethylbenzene	ND	0.89	0.41	ug/kg	
76-13-1	Freon 113	ND	4.5	2.4	ug/kg	
591-78-6	2-Hexanone	ND	4.5	1.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.8	1.3	ug/kg	
79-20-9	Methyl Acetate	ND	4.5	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.8	0.78	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.89	0.42	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.5	2.0	ug/kg	
75-09-2	Methylene chloride	2.8	4.5	2.3	ug/kg	J
100-42-5	Styrene	ND	1.8	0.36	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.8	0.54	ug/kg	
127-18-4	Tetrachloroethene	ND	1.8	0.52	ug/kg	
108-88-3	Toluene	ND	0.89	0.47	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.5	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.5	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.8	0.43	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.8	0.50	ug/kg	
79-01-6	Trichloroethene	ND	0.89	0.68	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.5	0.61	ug/kg	
75-01-4	Vinyl chloride	ND	1.8	0.43	ug/kg	
	m,p-Xylene	ND	0.89	0.80	ug/kg	
95-47-6	o-Xylene	ND	0.89	0.41	ug/kg	
1330-20-7	Xylene (total)	ND	0.89	0.41	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-124%
17060-07-0	1,2-Dichloroethane-D4	110%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	116%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	33	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB112 (6-6.5)		
Lab Sample ID:	JD79126-1	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	84.7
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P513473.D	1	12/24/23 03:38	RS	12/22/23 12:13	OP51350	E6P4065
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	78	19	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	200	24	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	200	33	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	200	70	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	200	150	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	200	42	ug/kg	
95-48-7	2-Methylphenol	ND	78	25	ug/kg	
	3&4-Methylphenol	ND	78	32	ug/kg	
88-75-5	2-Nitrophenol	ND	200	26	ug/kg	
100-02-7	4-Nitrophenol	ND	390	100	ug/kg	
87-86-5	Pentachlorophenol	ND	160	37	ug/kg	
108-95-2	Phenol	ND	78	20	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	200	26	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	200	29	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	200	23	ug/kg	
83-32-9	Acenaphthene	ND	39	13	ug/kg	
208-96-8	Acenaphthylene	ND	39	20	ug/kg	
98-86-2	Acetophenone	ND	200	8.4	ug/kg	
120-12-7	Anthracene	ND	39	24	ug/kg	
1912-24-9	Atrazine	ND	78	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	39	11	ug/kg	
50-32-8	Benzo(a)pyrene	ND	39	18	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	39	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	39	20	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	39	18	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	78	15	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	78	9.5	ug/kg	
92-52-4	1,1'-Biphenyl	ND	78	5.4	ug/kg	
100-52-7	Benzaldehyde	ND	200	9.7	ug/kg	
91-58-7	2-Chloronaphthalene	ND	78	9.3	ug/kg	
106-47-8	4-Chloroaniline	ND	200	14	ug/kg	
86-74-8	Carbazole	ND	78	5.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	78	15	ug/kg	
218-01-9	Chrysene	ND	39	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	78	8.4	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	78	17	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	78	14	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	78	13	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	39	12	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	39	20	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	78	33	ug/kg	
123-91-1	1,4-Dioxane	ND	39	26	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	39	17	ug/kg	
132-64-9	Dibenzofuran	ND	78	16	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	78	6.4	ug/kg	
117-84-0	Di-n-octyl phthalate [a]	ND	78	9.7	ug/kg	
84-66-2	Diethyl phthalate	ND	78	8.3	ug/kg	
131-11-3	Dimethyl phthalate	ND	78	7.0	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	45.7	78	9.1	ug/kg	J
206-44-0	Fluoranthene	ND	39	17	ug/kg	
86-73-7	Fluorene	ND	39	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	78	9.9	ug/kg	
87-68-3	Hexachlorobutadiene	ND	39	16	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	390	16	ug/kg	
67-72-1	Hexachloroethane	ND	200	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	39	18	ug/kg	
78-59-1	Isophorone	ND	78	8.4	ug/kg	
91-57-6	2-Methylnaphthalene	ND	39	8.8	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	200	9.2	ug/kg	
99-09-2	3-Nitroaniline	ND	200	9.8	ug/kg	
100-01-6	4-Nitroaniline	ND	200	10	ug/kg	
91-20-3	Naphthalene	ND	39	11	ug/kg	
98-95-3	Nitrobenzene	ND	78	15	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	78	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	200	14	ug/kg	
85-01-8	Phenanthrene	ND	39	13	ug/kg	
129-00-0	Pyrene	17.7	39	13	ug/kg	J
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	200	9.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	62%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	66%		10-96%
118-79-6	2,4,6-Tribromophenol	75%		10-123%
4165-60-0	Nitrobenzene-d5	65%		10-109%
321-60-8	2-Fluorobiphenyl	61%		11-109%
1718-51-0	Terphenyl-d14	66%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.64	410	ug/kg	J
	System artifact/aldol-condensation	3.69	230	ug/kg	J
	System artifact	3.77	450	ug/kg	J
	Unknown	4.19	180	ug/kg	J
	Unknown	4.26	540	ug/kg	J
	Unknown	4.45	240	ug/kg	J
	Unknown	9.63	220	ug/kg	J
	Alkane	10.28	290	ug/kg	J
	Unknown	10.39	250	ug/kg	J
	Unknown	10.56	210	ug/kg	J
	Unknown	10.61	360	ug/kg	J
	Unknown	10.74	560	ug/kg	J
	Unknown	10.91	400	ug/kg	J
	Unknown	11.17	230	ug/kg	J
	Unknown	11.23	200	ug/kg	J
	Unknown	11.35	390	ug/kg	J
	Unknown	11.61	320	ug/kg	J
	Unknown	11.72	320	ug/kg	J
	Unknown	11.77	460	ug/kg	J
	Unknown	11.93	500	ug/kg	J
	Unknown	12.09	400	ug/kg	J
	Unknown	12.34	190	ug/kg	J
	Unknown	12.39	230	ug/kg	J
	Unknown	12.46	550	ug/kg	J
	Unknown	12.69	190	ug/kg	J
	Unknown	12.94	640	ug/kg	J
	Unknown	13.00	580	ug/kg	J
	Unknown	13.95	260	ug/kg	J
	Total TIC, Semi-Volatile		8710	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB112 (6-6.5)		
Lab Sample ID:	JD79126-1	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	84.7
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94814.D	1	12/27/23 02:18	CP	12/22/23 11:15	OP51354	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.47	0.092	ug/kg	
319-84-6	alpha-BHC	ND	0.47	0.054	ug/kg	
319-85-7	beta-BHC	ND	0.47	0.068	ug/kg	
319-86-8	delta-BHC	ND	0.47	0.071	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.47	0.083	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.47	0.064	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.47	0.071	ug/kg	
60-57-1	Dieldrin	ND	0.47	0.076	ug/kg	
72-54-8	4,4'-DDD	ND	0.47	0.050	ug/kg	
72-55-9	4,4'-DDE [a]	0.078	0.47	0.057	ug/kg	J
50-29-3	4,4'-DDT	0.11	0.47	0.083	ug/kg	J
72-20-8	Endrin	ND	0.47	0.068	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.47	0.057	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.47	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.47	0.064	ug/kg	
33213-65-9	Endosulfan-II	ND	0.47	0.066	ug/kg	
76-44-8	Heptachlor	ND	0.47	0.061	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.47	0.085	ug/kg	
72-43-5	Methoxychlor	ND	0.47	0.19	ug/kg	
53494-70-5	Endrin ketone	ND	0.47	0.076	ug/kg	
8001-35-2	Toxaphene	ND	5.9	3.9	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	100%		66-150%
877-09-8	Tetrachloro-m-xylene	113%		66-150%
2051-24-3	Decachlorobiphenyl	59%		40-150%
2051-24-3	Decachlorobiphenyl	69%		40-150%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB112 (6-6.5)		
Lab Sample ID:	JD79126-1	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	84.7
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17547.D	1	12/26/23 14:02	RK	12/21/23 19:00	OP51355	GRM390
Run #2							

	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	24	10	ug/kg	
11104-28-2	Aroclor 1221	ND	24	7.9	ug/kg	
11141-16-5	Aroclor 1232	ND	24	20	ug/kg	
53469-21-9	Aroclor 1242	ND	24	14	ug/kg	
12672-29-6	Aroclor 1248	ND	24	5.1	ug/kg	
11097-69-1	Aroclor 1254	ND	24	2.6	ug/kg	
11096-82-5	Aroclor 1260	ND	24	8.1	ug/kg	
11100-14-4	Aroclor 1268	ND	24	2.4	ug/kg	
37324-23-5	Aroclor 1262	ND	24	2.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	116%		42-159%
877-09-8	Tetrachloro-m-xylene	133%		42-159%
2051-24-3	Decachlorobiphenyl	90%		18-154%
2051-24-3	Decachlorobiphenyl	95%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4290	41	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 1.6	1.6	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	< 1.6	1.6	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	18.5	16	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.31	0.16	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.41	0.41	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	5630	410	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	9.8	0.81	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 4.1	4.1	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	15.4	2.0	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	9390	41	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	10.4	1.6	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	4040	410	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	93.7	1.2	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.037	0.037	mg/kg	1	12/26/23	12/26/23	CB	SW846 7471B [2]	SW846 7471B [4]
Nickel	8.3	3.3	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	813	810	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 1.6	1.6	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.41	0.41	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 810	810	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 0.81	0.81	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	17.0	4.1	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	21.5	4.1	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA55287
(2) Instrument QC Batch: MA55288
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP43922

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB112 (6-6.5)
Lab Sample ID: JD79126-1
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 84.7

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.24	0.24	mg/kg	1	12/26/23 19:51	SS	SW846 9012B/LACHAT
Solids, Percent	84.7		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB111 (2.5-3)
Lab Sample ID: JD79126-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 89.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C184946.D	1	12/21/23 13:55	PS	12/19/23 14:00	n/a	V3C8080
Run #2							

	Initial Weight
Run #1	6.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	8.7	3.6	ug/kg	
71-43-2	Benzene	ND	0.44	0.40	ug/kg	
74-97-5	Bromochloromethane	ND	4.4	0.49	ug/kg	
75-27-4	Bromodichloromethane	ND	1.7	0.37	ug/kg	
75-25-2	Bromoform [a]	ND	4.4	1.2	ug/kg	
74-83-9	Bromomethane	ND	4.4	0.67	ug/kg	
78-93-3	2-Butanone (MEK)	ND	8.7	2.1	ug/kg	
75-15-0	Carbon disulfide	ND	1.7	0.47	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.7	0.54	ug/kg	
108-90-7	Chlorobenzene	ND	1.7	0.40	ug/kg	
75-00-3	Chloroethane [a]	ND	4.4	0.52	ug/kg	
67-66-3	Chloroform	ND	1.7	0.45	ug/kg	
74-87-3	Chloromethane	ND	4.4	1.7	ug/kg	
110-82-7	Cyclohexane	ND	1.7	0.57	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.7	0.61	ug/kg	
124-48-1	Dibromochloromethane	ND	1.7	0.49	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.87	0.37	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.87	0.48	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.87	0.43	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.87	0.43	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.4	0.63	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.87	0.43	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.87	0.41	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.87	0.57	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.87	0.73	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.87	0.53	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.7	0.41	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.7	0.41	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.7	0.40	ug/kg	
100-41-4	Ethylbenzene	ND	0.87	0.39	ug/kg	
76-13-1	Freon 113	ND	4.4	2.3	ug/kg	
591-78-6	2-Hexanone	ND	4.4	1.8	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB111 (2.5-3)
Lab Sample ID: JD79126-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 89.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.7	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.4	1.2	ug/kg	
108-87-2	Methylcyclohexane	ND	1.7	0.76	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.87	0.41	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.4	2.0	ug/kg	
75-09-2	Methylene chloride	4.5	4.4	2.3	ug/kg	
100-42-5	Styrene	ND	1.7	0.35	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.7	0.52	ug/kg	
127-18-4	Tetrachloroethene	ND	1.7	0.51	ug/kg	
108-88-3	Toluene	ND	0.87	0.46	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.4	2.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.4	2.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.7	0.42	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.7	0.48	ug/kg	
79-01-6	Trichloroethene	ND	0.87	0.66	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.4	0.60	ug/kg	
75-01-4	Vinyl chloride	ND	1.7	0.42	ug/kg	
	m,p-Xylene	ND	0.87	0.78	ug/kg	
95-47-6	o-Xylene	ND	0.87	0.40	ug/kg	
1330-20-7	Xylene (total)	ND	0.87	0.40	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		80-124%
17060-07-0	1,2-Dichloroethane-D4	110%		75-133%
2037-26-5	Toluene-D8	99%		79-125%
460-00-4	4-Bromofluorobenzene	117%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	35	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB111 (2.5-3)		
Lab Sample ID:	JD79126-2	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	89.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P513462.D	1	12/24/23 00:05	RS	12/22/23 12:13	OP51350	E6P4065
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	73	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	23	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	31	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	65	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	180	140	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	180	39	ug/kg	
95-48-7	2-Methylphenol	ND	73	23	ug/kg	
	3&4-Methylphenol	ND	73	30	ug/kg	
88-75-5	2-Nitrophenol	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	370	98	ug/kg	
87-86-5	Pentachlorophenol	ND	150	34	ug/kg	
108-95-2	Phenol	ND	73	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	22	ug/kg	
83-32-9	Acenaphthene	ND	37	13	ug/kg	
208-96-8	Acenaphthylene	ND	37	19	ug/kg	
98-86-2	Acetophenone	ND	180	7.9	ug/kg	
120-12-7	Anthracene	ND	37	23	ug/kg	
1912-24-9	Atrazine	ND	73	16	ug/kg	
56-55-3	Benzo(a)anthracene	59.4	37	10	ug/kg	
50-32-8	Benzo(a)pyrene	78.0	37	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	96.6	37	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	55.1	37	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	34.6	37	17	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	73	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	73	9.0	ug/kg	
92-52-4	1,1'-Biphenyl	ND	73	5.0	ug/kg	
100-52-7	Benzaldehyde	ND	180	9.1	ug/kg	
91-58-7	2-Chloronaphthalene	ND	73	8.7	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	73	5.3	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB111 (2.5-3)
Lab Sample ID: JD79126-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 89.6

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	73	15	ug/kg	
218-01-9	Chrysene	66.4	37	12	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	73	7.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	73	16	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	73	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	73	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	37	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	37	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	73	31	ug/kg	
123-91-1	1,4-Dioxane	ND	37	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	37	16	ug/kg	
132-64-9	Dibenzofuran	ND	73	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	73	6.0	ug/kg	
117-84-0	Di-n-octyl phthalate [a]	ND	73	9.1	ug/kg	
84-66-2	Diethyl phthalate	ND	73	7.8	ug/kg	
131-11-3	Dimethyl phthalate	ND	73	6.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	73	8.6	ug/kg	
206-44-0	Fluoranthene	79.3	37	16	ug/kg	
86-73-7	Fluorene	ND	37	17	ug/kg	
118-74-1	Hexachlorobenzene	ND	73	9.3	ug/kg	
87-68-3	Hexachlorobutadiene	ND	37	15	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	370	15	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	48.7	37	17	ug/kg	
78-59-1	Isophorone	ND	73	7.9	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	8.3	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	180	8.7	ug/kg	
99-09-2	3-Nitroaniline	ND	180	9.2	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.5	ug/kg	
91-20-3	Naphthalene	ND	37	10	ug/kg	
98-95-3	Nitrobenzene	ND	73	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	73	11	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	34.1	37	12	ug/kg	J
129-00-0	Pyrene	90.2	37	12	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	50%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB111 (2.5-3)
Lab Sample ID: JD79126-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 89.6

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	56%		10-96%
118-79-6	2,4,6-Tribromophenol	63%		10-123%
4165-60-0	Nitrobenzene-d5	57%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	73%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.19	200	ug/kg	J
	Unknown	4.26	150	ug/kg	J
	Unknown	4.75	270	ug/kg	J
	Total TIC, Semi-Volatile		620	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB111 (2.5-3)		
Lab Sample ID:	JD79126-2	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	89.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94815.D	1	12/27/23 02:38	CP	12/22/23 11:15	OP51354	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.44	0.085	ug/kg	
319-84-6	alpha-BHC	ND	0.44	0.050	ug/kg	
319-85-7	beta-BHC	ND	0.44	0.063	ug/kg	
319-86-8	delta-BHC	ND	0.44	0.066	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.44	0.077	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.44	0.059	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.44	0.066	ug/kg	
60-57-1	Dieldrin	ND	0.44	0.070	ug/kg	
72-54-8	4,4'-DDD	ND	0.44	0.046	ug/kg	
72-55-9	4,4'-DDE	ND	0.44	0.053	ug/kg	
50-29-3	4,4'-DDT [a]	0.29	0.44	0.077	ug/kg	J
72-20-8	Endrin	ND	0.44	0.063	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.44	0.053	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.44	0.13	ug/kg	
959-98-8	Endosulfan-I	ND	0.44	0.059	ug/kg	
33213-65-9	Endosulfan-II	ND	0.44	0.061	ug/kg	
76-44-8	Heptachlor	ND	0.44	0.057	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.44	0.079	ug/kg	
72-43-5	Methoxychlor	ND	0.44	0.17	ug/kg	
53494-70-5	Endrin ketone	ND	0.44	0.070	ug/kg	
8001-35-2	Toxaphene	ND	5.5	3.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		66-150%
877-09-8	Tetrachloro-m-xylene	120%		66-150%
2051-24-3	Decachlorobiphenyl	52%		40-150%
2051-24-3	Decachlorobiphenyl	84%		40-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB111 (2.5-3)		
Lab Sample ID:	JD79126-2	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	89.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17548.D	1	12/26/23 14:19	RK	12/21/23 19:00	OP51355	GRM390
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	22	9.3	ug/kg	
11104-28-2	Aroclor 1221	ND	22	7.4	ug/kg	
11141-16-5	Aroclor 1232	ND	22	18	ug/kg	
53469-21-9	Aroclor 1242	ND	22	13	ug/kg	
12672-29-6	Aroclor 1248	ND	22	4.7	ug/kg	
11097-69-1	Aroclor 1254	ND	22	2.4	ug/kg	
11096-82-5	Aroclor 1260	ND	22	7.5	ug/kg	
11100-14-4	Aroclor 1268	ND	22	2.2	ug/kg	
37324-23-5	Aroclor 1262	ND	22	1.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		42-159%
877-09-8	Tetrachloro-m-xylene	130%		42-159%
2051-24-3	Decachlorobiphenyl	92%		18-154%
2051-24-3	Decachlorobiphenyl	97%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB111 (2.5-3)
Lab Sample ID: JD79126-2
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/15/23
Date Received: 12/19/23
Percent Solids: 89.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	10400	55	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.2	2.2	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	2.7	2.2	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	87.0	22	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.71	0.22	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.55	0.55	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	3980	550	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	32.3	1.1	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	8.2	5.5	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	18.6	2.7	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	17000	55	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	20.2	2.2	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	6160	550	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	326	1.6	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	0.32	0.035	mg/kg	1	12/26/23	12/26/23	CB	SW846 7471B [2]	SW846 7471B [4]
Nickel	21.1	4.4	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	2770	1100	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.2	2.2	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.55	0.55	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1100	1100	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.1	1.1	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	31.2	5.5	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	58.0	5.5	mg/kg	1	12/22/23	12/22/23	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA55287
(2) Instrument QC Batch: MA55288
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP43922

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB111 (2.5-3)		
Lab Sample ID:	JD79126-2	**Date Sampled:**	12/15/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
		Percent Solids:	89.6
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.29	0.29	mg/kg	1	12/26/23 19:52	SS	SW846 9012B/LACHAT
Solids, Percent	89.6		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB108 (3.5'-4')
Lab Sample ID: JD79126-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/18/23
Date Received: 12/19/23
Percent Solids: 71.6

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C184947.D	1	12/21/23 14:20	PS	12/19/23 14:00	n/a	V3C8080
Run #2							

	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	39.2	11	4.7	ug/kg	
71-43-2	Benzene	ND	0.57	0.52	ug/kg	
74-97-5	Bromochloromethane	ND	5.7	0.64	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.49	ug/kg	
75-25-2	Bromoform [a]	ND	5.7	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.7	0.87	ug/kg	
78-93-3	2-Butanone (MEK)	8.9	11	2.8	ug/kg	J
75-15-0	Carbon disulfide	ND	2.3	0.61	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.71	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.53	ug/kg	
75-00-3	Chloroethane [a]	ND	5.7	0.68	ug/kg	
67-66-3	Chloroform	ND	2.3	0.59	ug/kg	
74-87-3	Chloromethane	ND	5.7	2.2	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.75	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.79	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.64	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.1	0.48	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.1	0.63	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.1	0.57	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.1	0.57	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.7	0.83	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.1	0.57	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.1	0.54	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.1	0.75	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.1	0.96	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.1	0.70	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.54	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.52	ug/kg	
100-41-4	Ethylbenzene	ND	1.1	0.52	ug/kg	
76-13-1	Freon 113	ND	5.7	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.7	2.4	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB108 (3.5'-4')
Lab Sample ID: JD79126-3
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/18/23
Date Received: 12/19/23
Percent Solids: 71.6

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	1.6	ug/kg	
79-20-9	Methyl Acetate	ND	5.7	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.1	0.54	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.7	2.6	ug/kg	
75-09-2	Methylene chloride	5.5	5.7	3.0	ug/kg	J
100-42-5	Styrene	ND	2.3	0.46	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.69	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.66	ug/kg	
108-88-3	Toluene	ND	1.1	0.60	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.7	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.7	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.55	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.63	ug/kg	
79-01-6	Trichloroethene	ND	1.1	0.87	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.7	0.78	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.55	ug/kg	
	m,p-Xylene	ND	1.1	1.0	ug/kg	
95-47-6	o-Xylene	ND	1.1	0.52	ug/kg	
1330-20-7	Xylene (total)	ND	1.1	0.52	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		80-124%
17060-07-0	1,2-Dichloroethane-D4	114%		75-133%
2037-26-5	Toluene-D8	100%		79-125%
460-00-4	4-Bromofluorobenzene	118%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	54	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P513463.D	1	12/24/23 00:24	RS	12/22/23 12:13	OP51350	E6P4065
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	92	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	230	28	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	230	39	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	230	82	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	230	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	230	49	ug/kg	
95-48-7	2-Methylphenol	ND	92	30	ug/kg	
	3&4-Methylphenol	ND	92	38	ug/kg	
88-75-5	2-Nitrophenol	ND	230	31	ug/kg	
100-02-7	4-Nitrophenol	ND	460	120	ug/kg	
87-86-5	Pentachlorophenol	ND	180	43	ug/kg	
108-95-2	Phenol	ND	92	24	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	230	31	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	230	35	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	230	28	ug/kg	
83-32-9	Acenaphthene	ND	46	16	ug/kg	
208-96-8	Acenaphthylene	176	46	23	ug/kg	
98-86-2	Acetophenone	ND	230	9.9	ug/kg	
120-12-7	Anthracene	73.4	46	28	ug/kg	
1912-24-9	Atrazine	ND	92	20	ug/kg	
56-55-3	Benzo(a)anthracene	341	46	13	ug/kg	
50-32-8	Benzo(a)pyrene	485	46	21	ug/kg	
205-99-2	Benzo(b)fluoranthene	581	46	20	ug/kg	
191-24-2	Benzo(g,h,i)perylene	482	46	23	ug/kg	
207-08-9	Benzo(k)fluoranthene	225	46	22	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	92	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	92	11	ug/kg	
92-52-4	1,1'-Biphenyl	ND	92	6.3	ug/kg	
100-52-7	Benzaldehyde	ND	230	11	ug/kg	
91-58-7	2-Chloronaphthalene	ND	92	11	ug/kg	
106-47-8	4-Chloroaniline	ND	230	17	ug/kg	
86-74-8	Carbazole	36.1	92	6.7	ug/kg	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	56.0	92	18	ug/kg	J
218-01-9	Chrysene	386	46	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	92	9.9	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	92	20	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	92	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	92	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	46	14	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	46	23	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	92	39	ug/kg	
123-91-1	1,4-Dioxane	ND	46	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	101	46	20	ug/kg	
132-64-9	Dibenzofuran	ND	92	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	92	7.5	ug/kg	
117-84-0	Di-n-octyl phthalate [b]	ND	92	12	ug/kg	
84-66-2	Diethyl phthalate	ND	92	9.9	ug/kg	
131-11-3	Dimethyl phthalate	ND	92	8.2	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	92	11	ug/kg	
206-44-0	Fluoranthene	554	46	21	ug/kg	
86-73-7	Fluorene	22.0	46	21	ug/kg	J
118-74-1	Hexachlorobenzene	ND	92	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	46	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	460	18	ug/kg	
67-72-1	Hexachloroethane	ND	230	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	399	46	22	ug/kg	
78-59-1	Isophorone	ND	92	9.9	ug/kg	
91-57-6	2-Methylnaphthalene	17.2	46	10	ug/kg	J
88-74-4	2-Nitroaniline [b]	ND	230	11	ug/kg	
99-09-2	3-Nitroaniline	ND	230	12	ug/kg	
100-01-6	4-Nitroaniline	ND	230	12	ug/kg	
91-20-3	Naphthalene	34.9	46	13	ug/kg	J
98-95-3	Nitrobenzene	ND	92	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [b]	ND	92	13	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	230	17	ug/kg	
85-01-8	Phenanthrene	184	46	16	ug/kg	
129-00-0	Pyrene	584	46	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	230	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	63%		10-96%
118-79-6	2,4,6-Tribromophenol	70%		10-123%
4165-60-0	Nitrobenzene-d5	59%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	76%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Unknown	4.26	260	ug/kg	J
	Unknown	4.45	190	ug/kg	J
	Unknown	4.75	230	ug/kg	J
57-10-3	n-Hexadecanoic acid	8.08	240	ug/kg	JN
	Alkane	10.57	200	ug/kg	J
	Unknown	11.01	240	ug/kg	J
	Unknown PAH substance	11.18	240	ug/kg	J
	Unknown	11.21	320	ug/kg	J
	Unknown PAH substance	11.36	370	ug/kg	J
	Unknown PAH substance	12.57	190	ug/kg	J
	-Sitosterol	13.18	280	ug/kg	J
	Unknown PAH substance	13.27	210	ug/kg	J
	Unknown	13.57	290	ug/kg	J
	Total TIC, Semi-Volatile		3260	ug/kg	J

(a) Associated CCV outside of control limits high. Estimated value, due to corresponding failure in the batch associated CCV.
(b) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94816.D	1	12/27/23 02:59	CP	12/22/23 11:15	OP51354	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.54	0.10	ug/kg	
319-84-6	alpha-BHC	ND	0.54	0.062	ug/kg	
319-85-7	beta-BHC	ND	0.54	0.078	ug/kg	
319-86-8	delta-BHC	ND	0.54	0.081	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.54	0.094	ug/kg	
5103-71-9	alpha-Chlordane	0.13	0.54	0.073	ug/kg	J
5103-74-2	gamma-Chlordane	ND	0.54	0.081	ug/kg	
60-57-1	Dieldrin	ND	0.54	0.086	ug/kg	
72-54-8	4,4'-DDD	3.3	0.54	0.056	ug/kg	
72-55-9	4,4'-DDE	1.7	0.54	0.064	ug/kg	
50-29-3	4,4'-DDT	1.6	0.54	0.094	ug/kg	
72-20-8	Endrin	ND	0.54	0.078	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.54	0.064	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.54	0.16	ug/kg	
959-98-8	Endosulfan-I	ND	0.54	0.073	ug/kg	
33213-65-9	Endosulfan-II	ND	0.54	0.075	ug/kg	
76-44-8	Heptachlor	ND	0.54	0.070	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.54	0.097	ug/kg	
72-43-5	Methoxychlor	ND	0.54	0.21	ug/kg	
53494-70-5	Endrin ketone	ND	0.54	0.086	ug/kg	
8001-35-2	Toxaphene	ND	6.7	4.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	98%		66-150%
877-09-8	Tetrachloro-m-xylene	109%		66-150%
2051-24-3	Decachlorobiphenyl	60%		40-150%
2051-24-3	Decachlorobiphenyl	92%		40-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17549.D	1	12/26/23 14:35	RK	12/21/23 19:00	OP51355	GRM390
Run #2							

	Initial Weight	Final Volume
Run #1	5.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	27	11	ug/kg	
11104-28-2	Aroclor 1221	ND	27	9.0	ug/kg	
11141-16-5	Aroclor 1232	ND	27	22	ug/kg	
53469-21-9	Aroclor 1242	ND	27	16	ug/kg	
12672-29-6	Aroclor 1248	ND	27	5.8	ug/kg	
11097-69-1	Aroclor 1254	ND	27	2.9	ug/kg	
11096-82-5	Aroclor 1260	ND	27	9.3	ug/kg	
11100-14-4	Aroclor 1268	ND	27	2.7	ug/kg	
37324-23-5	Aroclor 1262	ND	27	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		42-159%
877-09-8	Tetrachloro-m-xylene	135%		42-159%
2051-24-3	Decachlorobiphenyl	96%		18-154%
2051-24-3	Decachlorobiphenyl	125%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB108 (3.5'-4')
Lab Sample ID: JD79126-3
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/18/23
Date Received: 12/19/23
Percent Solids: 71.6

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	9060	47	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 1.9	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	3.1	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	63.5	19	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	0.32	0.19	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.47	0.47	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	2830	470	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	16.3	0.93	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	6.7	4.7	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	18.2	2.3	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	13800	47	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	39.5	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	4100	470	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	152	1.4	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	0.15	0.040	mg/kg	1	12/26/23	12/26/23	CB	SW846 7471B [1]	SW846 7471B [4]
Nickel	16.6	3.7	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1160	930	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 1.9	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.47	0.47	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 930	930	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 0.93	0.93	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	18.9	4.7	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	72.8	4.7	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55288
(2) Instrument QC Batch: MA55290
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP43922

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB108 (3.5'-4')		
Lab Sample ID:	JD79126-3	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
		Percent Solids:	71.6
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.34	0.34	mg/kg	1	12/26/23 19:52	SS	SW846 9012B/LACHAT
Solids, Percent	71.6		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3C184948.D	1	12/21/23 14:45	PS	12/19/23 14:00	n/a	V3C8080
Run #2							

	Initial Weight
Run #1	5.4 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	7.6	12	4.9	ug/kg	J
71-43-2	Benzene	ND	0.59	0.53	ug/kg	
74-97-5	Bromochloromethane	ND	5.9	0.66	ug/kg	
75-27-4	Bromodichloromethane	ND	2.3	0.50	ug/kg	
75-25-2	Bromoform [a]	ND	5.9	1.6	ug/kg	
74-83-9	Bromomethane	ND	5.9	0.90	ug/kg	
78-93-3	2-Butanone (MEK)	ND	12	2.9	ug/kg	
75-15-0	Carbon disulfide	ND	2.3	0.63	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.3	0.73	ug/kg	
108-90-7	Chlorobenzene	ND	2.3	0.54	ug/kg	
75-00-3	Chloroethane [a]	ND	5.9	0.69	ug/kg	
67-66-3	Chloroform	4.5	2.3	0.61	ug/kg	
74-87-3	Chloromethane	ND	5.9	2.3	ug/kg	
110-82-7	Cyclohexane	ND	2.3	0.77	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.3	0.81	ug/kg	
124-48-1	Dibromochloromethane	ND	2.3	0.66	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.2	0.49	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.2	0.64	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.2	0.58	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.2	0.58	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.9	0.85	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.2	0.58	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.2	0.55	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.2	0.77	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.2	0.99	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.2	0.72	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.3	0.56	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.3	0.56	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.3	0.54	ug/kg	
100-41-4	Ethylbenzene	ND	1.2	0.53	ug/kg	
76-13-1	Freon 113	ND	5.9	3.1	ug/kg	
591-78-6	2-Hexanone	ND	5.9	2.5	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8260D SW846 5035	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.3	1.7	ug/kg	
79-20-9	Methyl Acetate	ND	5.9	1.6	ug/kg	
108-87-2	Methylcyclohexane	ND	2.3	1.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.2	0.55	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.9	2.7	ug/kg	
75-09-2	Methylene chloride	8.0	5.9	3.1	ug/kg	
100-42-5	Styrene	ND	2.3	0.47	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.3	0.70	ug/kg	
127-18-4	Tetrachloroethene	ND	2.3	0.68	ug/kg	
108-88-3	Toluene	ND	1.2	0.62	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.9	2.9	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.9	2.9	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.3	0.57	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.3	0.65	ug/kg	
79-01-6	Trichloroethene	ND	1.2	0.89	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.9	0.80	ug/kg	
75-01-4	Vinyl chloride	ND	2.3	0.56	ug/kg	
	m,p-Xylene	ND	1.2	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.2	0.54	ug/kg	
1330-20-7	Xylene (total)	ND	1.2	0.54	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		80-124%
17060-07-0	1,2-Dichloroethane-D4	105%		75-133%
2037-26-5	Toluene-D8	100%		79-125%
460-00-4	4-Bromofluorobenzene	116%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	45	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P513464.D	1	12/24/23 00:44	RS	12/22/23 12:13	OP51350	E6P4065
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	84	21	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	210	26	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	210	36	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	210	75	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	210	160	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	210	45	ug/kg	
95-48-7	2-Methylphenol	ND	84	27	ug/kg	
	3&4-Methylphenol	ND	84	35	ug/kg	
88-75-5	2-Nitrophenol	ND	210	28	ug/kg	
100-02-7	4-Nitrophenol	ND	420	110	ug/kg	
87-86-5	Pentachlorophenol	ND	170	40	ug/kg	
108-95-2	Phenol	ND	84	22	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	210	28	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	210	32	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	210	25	ug/kg	
83-32-9	Acenaphthene	ND	42	15	ug/kg	
208-96-8	Acenaphthylene	ND	42	21	ug/kg	
98-86-2	Acetophenone	ND	210	9.1	ug/kg	
120-12-7	Anthracene	ND	42	26	ug/kg	
1912-24-9	Atrazine	ND	84	18	ug/kg	
56-55-3	Benzo(a)anthracene	ND	42	12	ug/kg	
50-32-8	Benzo(a)pyrene	ND	42	19	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	42	19	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	42	21	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	42	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	84	16	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	84	10	ug/kg	
92-52-4	1,1'-Biphenyl	ND	84	5.8	ug/kg	
100-52-7	Benzaldehyde	ND	210	10	ug/kg	
91-58-7	2-Chloronaphthalene	ND	84	10	ug/kg	
106-47-8	4-Chloroaniline	ND	210	15	ug/kg	
86-74-8	Carbazole	ND	84	6.1	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam [a]	ND	84	17	ug/kg	
218-01-9	Chrysene	ND	42	13	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	84	9.0	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	84	18	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	84	15	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	84	14	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	42	13	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	42	21	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	84	35	ug/kg	
123-91-1	1,4-Dioxane	ND	42	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	42	19	ug/kg	
132-64-9	Dibenzofuran	ND	84	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	84	6.9	ug/kg	
117-84-0	Di-n-octyl phthalate [a]	ND	84	10	ug/kg	
84-66-2	Diethyl phthalate	ND	84	9.0	ug/kg	
131-11-3	Dimethyl phthalate	ND	84	7.5	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	84	9.9	ug/kg	
206-44-0	Fluoranthene	ND	42	19	ug/kg	
86-73-7	Fluorene	ND	42	19	ug/kg	
118-74-1	Hexachlorobenzene	ND	84	11	ug/kg	
87-68-3	Hexachlorobutadiene	ND	42	17	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	420	17	ug/kg	
67-72-1	Hexachloroethane	ND	210	21	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	42	20	ug/kg	
78-59-1	Isophorone	ND	84	9.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	42	9.5	ug/kg	
88-74-4	2-Nitroaniline [a]	ND	210	9.9	ug/kg	
99-09-2	3-Nitroaniline	ND	210	11	ug/kg	
100-01-6	4-Nitroaniline	ND	210	11	ug/kg	
91-20-3	Naphthalene	ND	42	12	ug/kg	
98-95-3	Nitrobenzene	ND	84	16	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine [a]	ND	84	12	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	210	15	ug/kg	
85-01-8	Phenanthrene	ND	42	14	ug/kg	
129-00-0	Pyrene	ND	42	13	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	210	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	41%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	46%		10-96%
118-79-6	2,4,6-Tribromophenol	56%		10-123%
4165-60-0	Nitrobenzene-d5	43%		10-109%
321-60-8	2-Fluorobiphenyl	42%		11-109%
1718-51-0	Terphenyl-d14	66%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.64	410	ug/kg	J
	System artifact/aldol-condensation	3.69	210	ug/kg	J
	System artifact	3.76	440	ug/kg	J
	Unknown	9.77	180	ug/kg	J
	Unknown	10.04	290	ug/kg	J
	-Dibenzopyrene	10.32	270	ug/kg	J
	-Dibenzopyrene	10.93	220	ug/kg	J
	-Dibenzopyrene	11.14	200	ug/kg	J
	Unknown	11.18	400	ug/kg	J
	Unknown	11.26	180	ug/kg	J
	-Dibenzopyrene	11.42	180	ug/kg	J
	Unknown	11.67	220	ug/kg	J
	Total TIC, Semi-Volatile		2140	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94817.D	1	12/27/23 03:19	CP	12/22/23 11:15	OP51354	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.50	0.097	ug/kg	
319-84-6	alpha-BHC	ND	0.50	0.057	ug/kg	
319-85-7	beta-BHC	ND	0.50	0.072	ug/kg	
319-86-8	delta-BHC	ND	0.50	0.075	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.50	0.087	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.50	0.067	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.50	0.075	ug/kg	
60-57-1	Dieldrin	ND	0.50	0.080	ug/kg	
72-54-8	4,4'-DDD	ND	0.50	0.052	ug/kg	
72-55-9	4,4'-DDE	ND	0.50	0.060	ug/kg	
50-29-3	4,4'-DDT	ND	0.50	0.087	ug/kg	
72-20-8	Endrin	ND	0.50	0.072	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.50	0.060	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.50	0.14	ug/kg	
959-98-8	Endosulfan-I	ND	0.50	0.067	ug/kg	
33213-65-9	Endosulfan-II	ND	0.50	0.070	ug/kg	
76-44-8	Heptachlor	ND	0.50	0.065	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.50	0.089	ug/kg	
72-43-5	Methoxychlor	ND	0.50	0.20	ug/kg	
53494-70-5	Endrin ketone	ND	0.50	0.080	ug/kg	
8001-35-2	Toxaphene	ND	6.2	4.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	92%		66-150%
877-09-8	Tetrachloro-m-xylene	128%		66-150%
2051-24-3	Decachlorobiphenyl	58%		40-150%
2051-24-3	Decachlorobiphenyl	87%		40-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RM17550.D	1	12/26/23 14:52	RK	12/21/23 19:00	OP51355	GRM390
Run #2							

	Initial Weight	Final Volume
Run #1	5.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	25	11	ug/kg	
11104-28-2	Aroclor 1221	ND	25	8.4	ug/kg	
11141-16-5	Aroclor 1232	ND	25	21	ug/kg	
53469-21-9	Aroclor 1242	ND	25	15	ug/kg	
12672-29-6	Aroclor 1248	ND	25	5.4	ug/kg	
11097-69-1	Aroclor 1254	ND	25	2.7	ug/kg	
11096-82-5	Aroclor 1260	ND	25	8.6	ug/kg	
11100-14-4	Aroclor 1268	ND	25	2.5	ug/kg	
37324-23-5	Aroclor 1262	ND	25	2.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		42-159%
877-09-8	Tetrachloro-m-xylene	136%		42-159%
2051-24-3	Decachlorobiphenyl	105%		18-154%
2051-24-3	Decachlorobiphenyl	102%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB107 (6.5'-7')
Lab Sample ID: JD79126-4
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/18/23
Date Received: 12/19/23
Percent Solids: 78.9

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	4430	41	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Antimony	< 1.6	1.6	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Arsenic	< 1.6	1.6	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Barium	28.8	16	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Beryllium	< 0.16	0.16	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cadmium	< 0.41	0.41	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Calcium	1320	410	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Chromium	8.5	0.82	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Cobalt	< 4.1	4.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Copper	7.8	2.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Iron	8060	41	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Lead	3.1	1.6	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Magnesium	2430	410	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Manganese	128	1.2	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	12/26/23	12/26/23	CB	SW846 7471B [1]	SW846 7471B [4]
Nickel	8.9	3.3	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Potassium	1250	820	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Selenium	< 1.6	1.6	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Silver	< 0.41	0.41	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Sodium	< 820	820	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Thallium	< 0.82	0.82	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Vanadium	9.3	4.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]
Zinc	29.3	4.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA55288
(2) Instrument QC Batch: MA55290
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP43922

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB107 (6.5'-7')		
Lab Sample ID:	JD79126-4	**Date Sampled:**	12/18/23
Matrix:	SO - Soil	**Date Received:**	12/19/23
		Percent Solids:	78.9
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.27	0.27	mg/kg	1	12/26/23 19:53	SS	SW846 9012B/LACHAT
Solids, Percent	78.9		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

SO
SLL

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 1 PN

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #		Bottle Order Control #	KP-121223-111
SGS Quote #		SGS Job #	JD79126

Client / Reporting Information	Project Information	
Company Name: SESI	Project Name: Franklin Courts	
Street Address: 959 US 46E	Street: " "	Billing Information (if different from Report to)
City: Parsippany State: NJ Zip:	City: Tarrytown State: NY	Company Name
Project Contact / E-mail: Steve Gustems / Ken Farah	Project #: 12345	Street Address
Phone #: 973-808-9050	Client Purchase Order #: Phase 8.1	City / State / Zip: jen.morganti@sesi.org
Sampler(s) Name(s): Gerald Madden Phone #	Project Manager: Steve Gustems	Attention: Kenneth.farah@sesi.org

Requested Analysis: TCL+30 / TAL (cyanide); VOCs; PFAS (1633)

Matrix Codes: DW - Drinking Water, GW - Ground Water, WW - Water, SW - Surface Water, SO - Soil, SL- Sludge, SED-Sediment, OI - Oil, LIQ - Other Liquid, AIR - Air, SOL - Other Solid, WP - Wipe, FB - Field Blank, EB-Equipment Blank, RB - Rinse Blank, TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCL+30 / TAL (cyanide)	VOCs	PFAS (1633)	LAB USE ONLY
1	SB112 (6-6.5)	8:20AM	12/15/23		GM	G	N		4					✓			✓				D63
2	SB111 (2.5-3)	11:45AM	12/15/23		GM	G	N		4					✓			✓				1444
3	SB108 (3.5'-4')	9:40AM	12/18/23		GM	G	N		4					✓			✓				4900
4	SB107 (6.5'-7')	1:45PM	12/18/23		GM	G	N		4					✓			✓				

Turn Around Time (Business Days)

- ☐ 10 Business Days
- ☒ 5 Business Days
- ☐ 3 Business Days*
- ☐ 2 Business Days*
- ☐ 1 Business Day*
- ☐ Other

1 week SESI standard

Approved By (SGS PM): / Date:

All data available via Lablink
* Approval needed for 1-3 Business Day TAT

Deliverable

- ☐ Commercial "A" (Level 1)
- ☐ Commercial "B" (Level 2)
- ☐ NJ Reduced (Level 3)
- ☐ Full Tier I (Level 4)
- ☐ Commercial "C"
- ☐ NJ DKQP
- ☐ NYASP Category A
- ☒ NYASP Category B
- ☐ MA MCP Criteria
- ☐ CT RCP Criteria
- ☐ State Forms
- ☐ EDD Format
- ☐ DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

• 3x5g ENCORE

Initial Assessment 3AHR

Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [illegible signature]	12/19/2023 - 9:00	1 K. Pawlakos	2 K. Pawlakos	12/19 1230	2 [illegible signature]
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not intact ☐ Absent	Therm ID: See Sample Receipt Summary	On Ice ☒ Cooler Temp. °C 3.5 IR48

JD79126: Chain of Custody
Page 1 of 3

5.1
5

SGS Sample Receipt Summary

Job Number: JD79126 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, NY

Date / Time Received: 12/19/2023 12:30:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (3.5);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments -1 to -4 No analyses marked on COC. Please confirm. Did not receive separate volume for PFAS.

Responded to by: Michelle

Response Date: 12/20

Please have all samples run for XTCL20+, PFAS not needed

JD79126: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD79126

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#PHASSE 8.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD79126-1 Collected: 15-DEC-23 08:20 By: GM Received: 19-DEC-23 By: JK SB112 (6-6.5)						
JD79126-1	SW846 8260D	21-DEC-23 13:30	PS			V8260TCL20+
JD79126-1	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79126-1	SW846 6010D	22-DEC-23 17:02	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79126-1	SW846 8270E	24-DEC-23 03:38	RS	22-DEC-23	GL	AB8270TCL20+
JD79126-1	SW846 8082A	26-DEC-23 14:02	RK	21-DEC-23	NT	P8082PCB11AO
JD79126-1	SW846 9012B/LACHAT	26-DEC-23 19:51	SS	22-DEC-23	MB	CN
JD79126-1	SW846 7471B	26-DEC-23 20:48	CB	26-DEC-23	CB	HG
JD79126-1	SW846 8081B	27-DEC-23 02:18	CP	22-DEC-23	TG	P8081PESTTCL
JD79126-2 Collected: 15-DEC-23 11:45 By: GM Received: 19-DEC-23 By: JK SB111 (2.5-3)						
JD79126-2	SW846 8260D	21-DEC-23 13:55	PS			V8260TCL20+
JD79126-2	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79126-2	SW846 6010D	22-DEC-23 16:47	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79126-2	SW846 8270E	24-DEC-23 00:05	RS	22-DEC-23	GL	AB8270TCL20+
JD79126-2	SW846 8082A	26-DEC-23 14:19	RK	21-DEC-23	NT	P8082PCB11AO
JD79126-2	SW846 9012B/LACHAT	26-DEC-23 19:52	SS	22-DEC-23	MB	CN
JD79126-2	SW846 7471B	26-DEC-23 20:50	CB	26-DEC-23	CB	HG
JD79126-2	SW846 8081B	27-DEC-23 02:38	CP	22-DEC-23	TG	P8081PESTTCL
JD79126-3 Collected: 18-DEC-23 09:40 By: GM Received: 19-DEC-23 By: JK SB108 (3.5'-4')						
JD79126-3	SW846 8260D	21-DEC-23 14:20	PS			V8260TCL20+
JD79126-3	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79126-3	SW846 8270E	24-DEC-23 00:24	RS	22-DEC-23	GL	AB8270TCL20+
JD79126-3	SW846 6010D	26-DEC-23 11:11	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79126-3	SW846 8082A	26-DEC-23 14:35	RK	21-DEC-23	NT	P8082PCB11AO
JD79126-3	SW846 9012B/LACHAT	26-DEC-23 19:52	SS	22-DEC-23	MB	CN
JD79126-3	SW846 7471B	26-DEC-23 20:52	CB	26-DEC-23	CB	HG

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD79126

99 Franklin Courts, Tarrytown, NY
Project No: 12345; PO#PHASSE 8.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD79126-3	SW846 8081B	27-DEC-23 02:59	CP	22-DEC-23	TG	P8081PESTTCL
JD79126-4	Collected: 18-DEC-23 13:45 By: GM			Received: 19-DEC-23	By: JK	
SB107 (6.5'-7')						
JD79126-4	SW846 8260D	21-DEC-23 14:45	PS			V8260TCL20+
JD79126-4	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79126-4	SW846 8270E	24-DEC-23 00:44	RS	22-DEC-23	GL	AB8270TCL20+
JD79126-4	SW846 6010D	26-DEC-23 11:16	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79126-4	SW846 8082A	26-DEC-23 14:52	RK	21-DEC-23	NT	P8082PCB11AO
JD79126-4	SW846 9012B/LACHAT	26-DEC-23 19:53	SS	22-DEC-23	MB	CN
JD79126-4	SW846 7471B	26-DEC-23 20:55	CB	26-DEC-23	CB	HG
JD79126-4	SW846 8081B	27-DEC-23 03:19	CP	22-DEC-23	TG	P8081PESTTCL

SGS Internal Chain of Custody

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/19/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79126-1.1	Naomi Baxter	Secured Storage	12/19/23 13:42	Return to Storage
JD79126-1.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79126-1.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79126-1.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79126-1.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79126-1.1	Secured Storage	Melanie Buen	12/22/23 15:34	Retrieve from Storage
JD79126-1.1	Melanie Buen	Secured Storage	12/22/23 16:59	Return to Storage
JD79126-1.1	Secured Storage	Christopher Bruning	12/26/23 15:53	Retrieve from Storage
JD79126-1.1	Christopher Bruning	Secured Storage	12/28/23 15:38	Return to Storage
JD79126-1.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:54	Extract from JD79126-1.1
JD79126-1.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79126-1.1
JD79126-1.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79126-1.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:55	Extract from JD79126-1.1
JD79126-1.1.2	Organics Prep	Naisha Torres	12/22/23 16:30	Extract from JD79126-1.1
JD79126-1.1.2	Naisha Torres	Extract Storage	12/22/23 16:30	Return to Storage
JD79126-1.1.2	Extract Storage	Christine Phillips	12/27/23 02:56	Retrieve from Storage
JD79126-1.1.2	Christine Phillips	GC5G	12/27/23 02:56	Load on Instrument
JD79126-1.1.2	GC5G	Christine Phillips	12/27/23 03:00	Unload from Instrument
JD79126-1.1.2	Christine Phillips	Extract Storage	12/27/23 03:00	Return to Storage
JD79126-1.1.2	Extract Storage	Christine Phillips	12/27/23 03:01	Retrieve from Storage
JD79126-1.1.2	Christine Phillips	GC5G	12/27/23 03:01	Load on Instrument
JD79126-1.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:31	Extract from JD79126-1.1
JD79126-1.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79126-1.1
JD79126-1.1.3	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:26	Return to Storage
JD79126-1.2	Secured Storage	Naomi Baxter	12/19/23 13:57	Retrieve from Storage
JD79126-1.2	Naomi Baxter	Secured Storage	12/19/23 13:57	Return to Storage
JD79126-1.2	Secured Storage	Naomi Baxter	12/19/23 13:58	Retrieve from Storage
JD79126-1.2	Naomi Baxter		12/19/23 13:58	Depleted
JD79126-1.3	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-1.4	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-1.4	Secured Storage	Prashant Shukla	12/21/23 12:22	Retrieve from Storage
JD79126-1.4	Prashant Shukla	GCMS3C	12/21/23 12:22	Load on Instrument
JD79126-1.4	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument
JD79126-1.4	Prashant Shukla		12/22/23 10:04	Depleted
JD79126-1.5	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-1.5	Secured Storage	Prashant Shukla	12/21/23 15:10	Retrieve from Storage
JD79126-1.5	Prashant Shukla	GCMS3C	12/21/23 15:10	Load on Instrument

SGS Internal Chain of Custody

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/19/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79126-1.5	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument
JD79126-1.5	Prashant Shukla		12/22/23 10:04	Depleted
JD79126-2.1	Naomi Baxter	Secured Storage	12/19/23 13:42	Return to Storage
JD79126-2.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79126-2.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79126-2.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79126-2.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79126-2.1	Secured Storage	Melanie Buen	12/22/23 15:34	Retrieve from Storage
JD79126-2.1	Melanie Buen	Secured Storage	12/22/23 16:59	Return to Storage
JD79126-2.1	Secured Storage	Christopher Bruning	12/26/23 15:53	Retrieve from Storage
JD79126-2.1	Christopher Bruning	Secured Storage	12/28/23 15:38	Return to Storage
JD79126-2.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:54	Extract from JD79126-2.1
JD79126-2.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79126-2.1
JD79126-2.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79126-2.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:55	Extract from JD79126-2.1
JD79126-2.1.2	Organics Prep	Naisha Torres	12/22/23 16:30	Extract from JD79126-2.1
JD79126-2.1.2	Naisha Torres	Extract Storage	12/22/23 16:30	Return to Storage
JD79126-2.1.2	Extract Storage	Christine Phillips	12/27/23 02:56	Retrieve from Storage
JD79126-2.1.2	Christine Phillips	GC5G	12/27/23 02:56	Load on Instrument
JD79126-2.1.2	GC5G	Christine Phillips	12/27/23 03:00	Unload from Instrument
JD79126-2.1.2	Christine Phillips	Extract Storage	12/27/23 03:00	Return to Storage
JD79126-2.1.2	Extract Storage	Christine Phillips	12/27/23 03:01	Retrieve from Storage
JD79126-2.1.2	Christine Phillips	GC5G	12/27/23 03:01	Load on Instrument
JD79126-2.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:31	Extract from JD79126-2.1
JD79126-2.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79126-2.1
JD79126-2.1.3	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:26	Return to Storage
JD79126-2.2	Secured Storage	Naomi Baxter	12/19/23 13:57	Retrieve from Storage
JD79126-2.2	Naomi Baxter	Secured Storage	12/19/23 13:57	Return to Storage
JD79126-2.2	Secured Storage	Naomi Baxter	12/19/23 13:58	Retrieve from Storage
JD79126-2.2	Naomi Baxter		12/19/23 13:58	Depleted
JD79126-2.3	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-2.4	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-2.4	Secured Storage	Prashant Shukla	12/21/23 12:22	Retrieve from Storage
JD79126-2.4	Prashant Shukla	GCMS3C	12/21/23 12:22	Load on Instrument
JD79126-2.4	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument
JD79126-2.4	Prashant Shukla		12/22/23 10:04	Depleted

SGS Internal Chain of Custody

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/19/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79126-2.5	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-2.5	Secured Storage	Prashant Shukla	12/21/23 15:10	Retrieve from Storage
JD79126-2.5	Prashant Shukla	GCMS3C	12/21/23 15:10	Load on Instrument
JD79126-2.5	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument
JD79126-2.5	Prashant Shukla		12/22/23 10:04	Depleted
JD79126-3.1	Naomi Baxter	Secured Storage	12/19/23 13:42	Return to Storage
JD79126-3.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79126-3.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79126-3.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79126-3.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79126-3.1	Secured Storage	Melanie Buen	12/22/23 15:34	Retrieve from Storage
JD79126-3.1	Melanie Buen	Secured Storage	12/22/23 16:59	Return to Storage
JD79126-3.1	Secured Storage	Christopher Bruning	12/26/23 15:53	Retrieve from Storage
JD79126-3.1	Christopher Bruning	Secured Storage	12/28/23 15:38	Return to Storage
JD79126-3.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:54	Extract from JD79126-3.1
JD79126-3.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79126-3.1
JD79126-3.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79126-3.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:55	Extract from JD79126-3.1
JD79126-3.1.2	Organics Prep	Naisha Torres	12/22/23 16:30	Extract from JD79126-3.1
JD79126-3.1.2	Naisha Torres	Extract Storage	12/22/23 16:30	Return to Storage
JD79126-3.1.2	Extract Storage	Christine Phillips	12/27/23 02:56	Retrieve from Storage
JD79126-3.1.2	Christine Phillips	GC5G	12/27/23 02:56	Load on Instrument
JD79126-3.1.2	GC5G	Christine Phillips	12/27/23 03:00	Unload from Instrument
JD79126-3.1.2	Christine Phillips	Extract Storage	12/27/23 03:00	Return to Storage
JD79126-3.1.2	Extract Storage	Christine Phillips	12/27/23 03:01	Retrieve from Storage
JD79126-3.1.2	Christine Phillips	GC5G	12/27/23 03:01	Load on Instrument
JD79126-3.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:31	Extract from JD79126-3.1
JD79126-3.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79126-3.1
JD79126-3.1.3	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:26	Return to Storage
JD79126-3.2	Secured Storage	Naomi Baxter	12/19/23 13:57	Retrieve from Storage
JD79126-3.2	Naomi Baxter	Secured Storage	12/19/23 13:57	Return to Storage
JD79126-3.2	Secured Storage	Naomi Baxter	12/19/23 13:58	Retrieve from Storage
JD79126-3.2	Naomi Baxter		12/19/23 13:58	Depleted
JD79126-3.3	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-3.4	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-3.4	Secured Storage	Prashant Shukla	12/21/23 12:22	Retrieve from Storage
JD79126-3.4	Prashant Shukla	GCMS3C	12/21/23 12:22	Load on Instrument

SGS Internal Chain of Custody

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/19/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79126-3.4	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument
JD79126-3.4	Prashant Shukla		12/22/23 10:04	Depleted
JD79126-3.5	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-4.1	Naomi Baxter	Secured Storage	12/19/23 13:42	Return to Storage
JD79126-4.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79126-4.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79126-4.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79126-4.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79126-4.1	Secured Storage	Melanie Buen	12/22/23 15:34	Retrieve from Storage
JD79126-4.1	Melanie Buen	Secured Storage	12/22/23 16:59	Return to Storage
JD79126-4.1	Secured Storage	Christopher Bruning	12/26/23 15:53	Retrieve from Storage
JD79126-4.1	Christopher Bruning	Secured Storage	12/28/23 15:38	Return to Storage
JD79126-4.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:54	Extract from JD79126-4.1
JD79126-4.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79126-4.1
JD79126-4.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79126-4.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:55	Extract from JD79126-4.1
JD79126-4.1.2	Organics Prep	Naisha Torres	12/22/23 16:30	Extract from JD79126-4.1
JD79126-4.1.2	Naisha Torres	Extract Storage	12/22/23 16:30	Return to Storage
JD79126-4.1.2	Extract Storage	Christine Phillips	12/27/23 02:56	Retrieve from Storage
JD79126-4.1.2	Christine Phillips	GC5G	12/27/23 02:56	Load on Instrument
JD79126-4.1.2	GC5G	Christine Phillips	12/27/23 03:00	Unload from Instrument
JD79126-4.1.2	Christine Phillips	Extract Storage	12/27/23 03:00	Return to Storage
JD79126-4.1.2	Extract Storage	Christine Phillips	12/27/23 03:01	Retrieve from Storage
JD79126-4.1.2	Christine Phillips	GC5G	12/27/23 03:01	Load on Instrument
JD79126-4.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:31	Extract from JD79126-4.1
JD79126-4.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79126-4.1
JD79126-4.1.3	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:26	Return to Storage
JD79126-4.2	Secured Storage	Naomi Baxter	12/19/23 13:57	Retrieve from Storage
JD79126-4.2	Naomi Baxter	Secured Storage	12/19/23 13:57	Return to Storage
JD79126-4.2	Secured Storage	Naomi Baxter	12/19/23 13:58	Retrieve from Storage
JD79126-4.2	Naomi Baxter		12/19/23 13:58	Depleted
JD79126-4.3	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-4.4	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage
JD79126-4.4	Secured Storage	Prashant Shukla	12/21/23 12:22	Retrieve from Storage
JD79126-4.4	Prashant Shukla	GCMS3C	12/21/23 12:22	Load on Instrument
JD79126-4.4	GCMS3C	Prashant Shukla	12/22/23 10:04	Unload from Instrument

SGS Internal Chain of Custody

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/19/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79126-4.4	Prashant Shukla		12/22/23 10:04	Depleted
JD79126-4.5	Naomi Baxter	Secured Storage	12/19/23 13:59	Return to Storage

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8080-MB	3C184944.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8080-MB	3C184944.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	80-124%
17060-07-0	1,2-Dichloroethane-D4	103%	75-133%
2037-26-5	Toluene-D8	99%	79-125%
460-00-4	4-Bromofluorobenzene	118%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	.84	35	ug/kg	J
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8080-BS	3C184942.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	208	104	52-156
71-43-2	Benzene	50	49.1	98	82-119
74-97-5	Bromochloromethane	50	51.2	102	82-123
75-27-4	Bromodichloromethane	50	56.5	113	83-121
75-25-2	Bromoform	50	63.3	127	74-138
74-83-9	Bromomethane	50	42.1	84	56-150
78-93-3	2-Butanone (MEK)	200	238	119	72-138
75-15-0	Carbon disulfide	50	48.7	97	67-131
56-23-5	Carbon tetrachloride	50	51.6	103	72-130
108-90-7	Chlorobenzene	50	48.0	96	83-114
75-00-3	Chloroethane	50	57.9	116	67-141
67-66-3	Chloroform	50	54.3	109	76-115
74-87-3	Chloromethane	50	47.9	96	57-141
110-82-7	Cyclohexane	50	52.9	106	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	58.0	116	72-131
124-48-1	Dibromochloromethane	50	52.9	106	80-128
106-93-4	1,2-Dibromoethane	50	54.3	109	58-145
95-50-1	1,2-Dichlorobenzene	50	50.3	101	83-117
541-73-1	1,3-Dichlorobenzene	50	49.3	99	82-114
106-46-7	1,4-Dichlorobenzene	50	48.7	97	79-114
75-71-8	Dichlorodifluoromethane	50	49.3	99	49-146
75-34-3	1,1-Dichloroethane	50	52.4	105	76-126
107-06-2	1,2-Dichloroethane	50	55.8	112	76-118
75-35-4	1,1-Dichloroethene	50	49.2	98	72-125
156-59-2	cis-1,2-Dichloroethene	50	51.0	102	80-118
156-60-5	trans-1,2-Dichloroethene	50	49.0	98	76-122
78-87-5	1,2-Dichloropropane	50	53.0	106	82-123
10061-01-5	cis-1,3-Dichloropropene	50	58.4	117	83-123
10061-02-6	trans-1,3-Dichloropropene	50	60.9	122	83-123
100-41-4	Ethylbenzene	50	48.8	98	83-115
76-13-1	Freon 113	50	44.8	90	65-132
591-78-6	2-Hexanone	200	235	118	73-138
98-82-8	Isopropylbenzene	50	50.6	101	81-122
79-20-9	Methyl Acetate	50	65.3	131	63-142
108-87-2	Methylcyclohexane	50	48.1	96	73-126
1634-04-4	Methyl Tert Butyl Ether	50	58.1	116	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V3C8080-BS	3C184942.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	244	122	71-138
75-09-2	Methylene chloride	50	50.3	101	73-122
100-42-5	Styrene	50	55.2	110	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	52.1	104	75-127
127-18-4	Tetrachloroethene	50	43.4	87	73-125
108-88-3	Toluene	50	48.3	97	82-118
87-61-6	1,2,3-Trichlorobenzene	50	47.5	95	68-132
120-82-1	1,2,4-Trichlorobenzene	50	46.9	94	72-133
71-55-6	1,1,1-Trichloroethane	50	52.5	105	77-124
79-00-5	1,1,2-Trichloroethane	50	53.4	107	83-122
79-01-6	Trichloroethene	50	49.3	99	80-122
75-69-4	Trichlorofluoromethane	50	56.3	113	69-132
75-01-4	Vinyl chloride	50	54.2	108	60-144
	m,p-Xylene	100	99.6	100	82-119
95-47-6	o-Xylene	50	51.2	102	84-120
1330-20-7	Xylene (total)	150	151	101	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	80-124%
17060-07-0	1,2-Dichloroethane-D4	112%	75-133%
2037-26-5	Toluene-D8	99%	79-125%
460-00-4	4-Bromofluorobenzene	111%	58-148%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79126-1MS	3C184950.D	1	12/21/23	PS	n/a	n/a	V3C8080
JD79126-1	3C184945.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	31.8		184	166	73	10-170
71-43-2	Benzene	ND		46.1	50.2	109	61-132
74-97-5	Bromochloromethane	ND		46.1	49.1	106	68-126
75-27-4	Bromodichloromethane	ND		46.1	54.8	119	65-129
75-25-2	Bromoform	ND		46.1	49.5	107	52-136
74-83-9	Bromomethane	ND		46.1	43.5	94	23-158
78-93-3	2-Butanone (MEK)	2.9	J	184	195	104	45-142
75-15-0	Carbon disulfide	1.8		46.1	48.6	101	50-140
56-23-5	Carbon tetrachloride	ND		46.1	51.6	112	54-139
108-90-7	Chlorobenzene	ND		46.1	44.5	96	57-127
75-00-3	Chloroethane	ND		46.1	58.6	127	30-157
67-66-3	Chloroform	ND		46.1	55.1	119	59-127
74-87-3	Chloromethane	ND		46.1	52.7	114	49-145
110-82-7	Cyclohexane	ND		46.1	49.9	108	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		46.1	46.0	100	35-140
124-48-1	Dibromochloromethane	ND		46.1	48.0	104	63-129
106-93-4	1,2-Dibromoethane	ND		46.1	47.7	103	45-141
95-50-1	1,2-Dichlorobenzene	ND		46.1	39.0	85	38-136
541-73-1	1,3-Dichlorobenzene	ND		46.1	38.3	83	37-135
106-46-7	1,4-Dichlorobenzene	ND		46.1	37.9	82	36-134
75-71-8	Dichlorodifluoromethane	ND		46.1	53.1	115	33-152
75-34-3	1,1-Dichloroethane	ND		46.1	53.8	117	68-131
107-06-2	1,2-Dichloroethane	ND		46.1	54.0	117	64-119
75-35-4	1,1-Dichloroethene	ND		46.1	53.2	115	60-133
156-59-2	cis-1,2-Dichloroethene	ND		46.1	51.8	112	58-133
156-60-5	trans-1,2-Dichloroethene	ND		46.1	52.6	114	62-130
78-87-5	1,2-Dichloropropane	ND		46.1	52.2	113	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		46.1	54.2	118	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		46.1	54.2	118	61-127
100-41-4	Ethylbenzene	ND		46.1	45.4	98	51-133
76-13-1	Freon 113	ND		46.1	45.3	98	46-138
591-78-6	2-Hexanone	ND		184	179	97	45-144
98-82-8	Isopropylbenzene	ND		46.1	41.9	91	44-142
79-20-9	Methyl Acetate	ND		46.1	54.8	119	14-192
108-87-2	Methylcyclohexane	ND		46.1	38.0	82	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		46.1	53.1	115	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79126-1MS	3C184950.D	1	12/21/23	PS	n/a	n/a	V3C8080
JD79126-1	3C184945.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		184	199	108	50-138
75-09-2	Methylene chloride	2.8	J	46.1	50.3	103	63-127
100-42-5	Styrene	ND		46.1	46.8	101	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		46.1	45.4	98	44-135
127-18-4	Tetrachloroethene	ND		46.1	40.5	88	38-146
108-88-3	Toluene	ND		46.1	46.2	100	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		46.1	26.3	57	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		46.1	27.9	60	10-158
71-55-6	1,1,1-Trichloroethane	ND		46.1	55.1	119	61-134
79-00-5	1,1,2-Trichloroethane	ND		46.1	48.0	104	62-133
79-01-6	Trichloroethene	ND		46.1	48.3	105	52-144
75-69-4	Trichlorofluoromethane	ND		46.1	58.1	126	50-141
75-01-4	Vinyl chloride	ND		46.1	60.0	130	48-151
	m,p-Xylene	ND		92.2	89.9	97	51-135
95-47-6	o-Xylene	ND		46.1	46.3	100	52-137
1330-20-7	Xylene (total)	ND		138	136	98	50-138

CAS No.	Surrogate Recoveries	MS	JD79126-1	Limits
1868-53-7	Dibromofluoromethane	108%	108%	80-124%
17060-07-0	1,2-Dichloroethane-D4	108%	110%	75-133%
2037-26-5	Toluene-D8	98%	99%	79-125%
460-00-4	4-Bromofluorobenzene	113%	116%	58-148%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79126-2DUP	3C184952.D	1	12/21/23	PS	n/a	n/a	V3C8080
JD79126-2	3C184946.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-2 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	ND		ND		nc	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79126-2DUP	3C184952.D	1	12/21/23	PS	n/a	n/a	V3C8080
JD79126-2	3C184946.D	1	12/21/23	PS	n/a	n/a	V3C8080

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-2 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	4.5		3.7	J	20* [a]	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	ND		ND		nc	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JD79126-2	Limits
1868-53-7	Dibromofluoromethane	111%	110%	80-124%
17060-07-0	1,2-Dichloroethane-D4	112%	110%	75-133%
2037-26-5	Toluene-D8	97%	99%	79-125%
460-00-4	4-Bromofluorobenzene	117%	117%	58-148%

(a) RPD acceptable due to low DUP and sample concentrations.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	V3C8069-BFB	**Injection Date:**	12/11/23
Lab File ID:	3C184621.D	**Injection Time:**	21:57
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	52381	21.4		Pass
75	30.0 - 60.0% of mass 95	134123	54.8		Pass
95	Base peak, 100% relative abundance	244715	100.0		Pass
96	5.0 - 9.0% of mass 95	16900	6.91		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	251200	102.7		Pass
175	5.0 - 9.0% of mass 174	20493	8.37	(8.16) [a]	Pass
176	95.0 - 101.0% of mass 174	240533	98.3	(95.8) [a]	Pass
177	5.0 - 9.0% of mass 176	16141	6.60	(6.71) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8069-IC8069	3C184622.D	12/11/23	22:24	00:27	Initial cal 0.2
V3C8069-IC8069	3C184623.D	12/11/23	22:50	00:53	Initial cal 0.5
V3C8069-IC8069	3C184624.D	12/11/23	23:14	01:17	Initial cal 1
V3C8069-IC8069	3C184625.D	12/11/23	23:39	01:42	Initial cal 2
V3C8069-IC8069	3C184626.D	12/12/23	00:05	02:08	Initial cal 4
V3C8069-IC8069	3C184627.D	12/12/23	00:30	02:33	Initial cal 8
V3C8069-IC8069	3C184628.D	12/12/23	00:55	02:58	Initial cal 20
V3C8069-ICC8069	3C184629.D	12/12/23	01:19	03:22	Initial cal 50
V3C8069-IC8069	3C184630.D	12/12/23	01:44	03:47	Initial cal 100
V3C8069-IC8069	3C184631.D	12/12/23	02:10	04:13	Initial cal 200
V3C8069-ICV8069	3C184634.D	12/12/23	03:25	05:28	Initial cal verification 50
V3C8069-ICV8069	3C184635.D	12/12/23	03:50	05:53	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	V3C8069-BFB2	**Injection Date:**	12/12/23
Lab File ID:	3C184638.D	**Injection Time:**	15:56
Instrument ID:	GCMS3C		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	51843	21.0		Pass
75	30.0 - 60.0% of mass 95	133448	54.1		Pass
95	Base peak, 100% relative abundance	246699	100.0		Pass
96	5.0 - 9.0% of mass 95	16782	6.80		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	249941	101.3		Pass
175	5.0 - 9.0% of mass 174	19592	7.94	(7.84) [a]	Pass
176	95.0 - 101.0% of mass 174	238016	96.5	(95.2) [a]	Pass
177	5.0 - 9.0% of mass 176	15774	6.39	(6.63) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V3C8069-ICV8069	3C184639.D	12/12/23	16:23	00:27	Initial cal verification 50
V3C8071-CC8069	3C184657.D	12/13/23	11:09	19:13	Continuing cal 50
V3C8071-CC8069	3C184658.D	12/13/23	12:17	20:21	Continuing cal 4
V3C8071-BS	3C184659.D	12/13/23	12:42	20:46	Blank Spike
V3C8071-MB	3C184661.D	12/13/23	13:48	21:52	Method Blank
ZZZZZZ	3C184662.D	12/13/23	14:13	22:17	(unrelated sample)
JD78605-1	3C184663.D	12/13/23	14:38	22:42	(used for QC only; not part of job JD79126)
JD78605-2	3C184664.D	12/13/23	15:03	23:07	(used for QC only; not part of job JD79126)
ZZZZZZ	3C184665.D	12/13/23	15:28	23:32	(unrelated sample)
ZZZZZZ	3C184666.D	12/13/23	15:53	23:57	(unrelated sample)
JD78605-1MS	3C184667.D	12/13/23	16:18	24:22	Matrix Spike

Internal Standard Area Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	V3C8080-CC8069	**Injection Date:**	12/21/23
Lab File ID:	3C184941.D	**Injection Time:**	11:23
Instrument ID:	GCMS3C	**Method:**	SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	276827	2.27	595410	3.63	1121066	4.25	1034944	7.00	645581	8.96
Upper Limit [a]	553654	2.77	1190820	4.13	2242132	4.75	2069888	7.50	1291162	9.46
Lower Limit [b]	138414	1.77	297705	3.13	560533	3.75	517472	6.50	322791	8.46

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
V3C8080-BS	206561	2.27	609751	3.63	1132333	4.25	1045203	7.00	664608	8.96
V3C8080-MB	144821	2.27	543052	3.63	1006635	4.25	913474	7.00	476871	8.95
JD79126-1	246736	2.27	564611	3.63	1042963	4.25	949080	7.00	504609	8.95
JD79126-2	165686	2.27	524305	3.63	980942	4.25	887095	7.00	472425	8.95
JD79126-3	174494	2.27	512692	3.63	963479	4.25	862767	7.00	459074	8.95
JD79126-4	146819	2.27	512241	3.63	946404	4.25	857657	7.00	457334	8.95
ZZZZZZ	174743	2.27	513695	3.63	965007	4.25	896221	7.00	481606	8.95
JD79126-1MS	136830[c]	2.27	540172	3.63	1014395	4.25	949716	7.00	559091	8.96
JD79126-2DUP	204459	2.27	542562	3.63	1025543	4.25	951178	7.00	499746	8.95
ZZZZZZ	170537	2.27	512505	3.63	952064	4.25	878257	7.01	471446	8.95
ZZZZZZ	173995	2.27	513680	3.63	961804	4.25	874501	7.00	452282	8.95
ZZZZZZ	176596	2.27	494841	3.63	923434	4.25	824368	7.00	428876	8.96
ZZZZZZ	158525	2.27	496364	3.63	927830	4.25	829268	7.00	426636	8.95
ZZZZZZ	256358	2.27	528457	3.63	987556	4.25	900678	7.00	466349	8.95
ZZZZZZ	164327	2.27	512948	3.63	970324	4.25	879527	7.00	465951	8.96
ZZZZZZ	152768	2.27	481384	3.63	915380	4.25	830262	7.00	440808	8.95
ZZZZZZ	229595	2.27	526521	3.63	990983	4.25	898213	7.00	473930	8.95
ZZZZZZ	140168	2.27	496218	3.63	933349	4.25	837902	7.00	441047	8.95
ZZZZZZ	144056	2.27	483043	3.63	910803	4.25	825135	7.00	439748	8.95
ZZZZZZ	163137	2.27	495529	3.63	932493	4.25	844190	7.00	453866	8.95
ZZZZZZ	267773	2.27	505352	3.63	954230	4.25	872502	7.00	448398	8.95
ZZZZZZ	157931	2.27	485254	3.63	911374	4.25	822965	7.00	418725	8.96
ZZZZZZ	167255	2.27	483261	3.63	919785	4.25	848221	7.00	445473	8.95

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Outside control limits. No associated compounds reported under this internal standard.

Surrogate Recovery Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD79126-1	3C184945.D	108	110	99	116
JD79126-2	3C184946.D	110	110	99	117
JD79126-3	3C184947.D	109	114	100	118
JD79126-4	3C184948.D	108	105	100	116
JD79126-1MS	3C184950.D	108	108	98	113
JD79126-2DUP	3C184952.D	111	112	97	117
V3C8080-BS	3C184942.D	108	112	99	111
V3C8080-MB	3C184944.D	106	103	99	118

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICC8069
Lab FileID: 3C184629.D

Response Factor Report GCMS3C

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Initial Calibration

Calibration Files
4 =3C184626.D 8 =3C184627.D 0.5 =3C184623.D 50 =3C184629.D
100 =3C184630.D 1 =3C184624.D 200 =3C184631.D 20 =3C184628.D
2 =3C184625.D 0.2 =3C184622.D = =

Compound	4	8	0.5	50	100	1	200	20	2	0.2	Avg	%RSD
1) I tert butyl alcohol-d9	ISTD											
2) ethanol	0.188	0.175		0.105	0.169		0.161	0.167			0.161	17.80
3) tertiary butyl alcohol *This compound fails initial calibration criteria.*	1.083	0.889		0.567	0.910		0.607	0.894			0.825	24.04
----- Quadratic regression ----- Coefficient = 0.9606												
Response Ratio = 0.00583 + 0.85016 *A + -0.10972 *A^2												
4) 1,4-dioxane *This compound fails initial calibration criteria.*	0.149	0.139		0.078	0.122		0.077	0.124			0.115	26.48
----- Quadratic regression ----- Coefficient = 0.9590												
Response Ratio = 0.00587 + 0.11770 *A + -0.00377 *A^2												
5) I pentafluorobenzene	ISTD											
6) dichlorodifluoromethane	0.466	0.429	0.396	0.388	0.415	0.439	0.386	0.414	0.446		0.420	6.52
7) chlorodifluoromethane	0.427	0.423		0.365	0.389	0.470	0.368	0.375	0.407		0.403	9.00
8) chloromethane	0.480	0.443		0.374	0.388	0.487	0.369	0.409	0.465		0.427	11.30
9) 1,3-butadiene	0.378	0.355	0.378	0.309	0.335	0.324	0.315	0.295	0.288		0.331	10.09
10) vinyl chloride	0.447	0.454	0.394	0.393	0.428	0.458	0.403	0.422	0.445		0.427	6.05
11) bromomethane	0.525	0.489	0.667	0.693	0.775	0.648	0.730	0.482	0.514		0.614	18.27
12) chloroethane	0.354	0.345		0.399	0.489	0.303		0.325	0.303		0.360	18.29
13) trichlorofluoromethane	0.691	0.722	0.725	0.727	0.819	0.700	0.987	0.681	0.724	0.766	0.754	12.06
14) ethyl ether	0.182	0.180	0.217	0.173	0.185	0.192	0.189	0.166	0.179		0.185	7.79
15) acrolein	0.049	0.047		0.040	0.044		0.045	0.041			0.045	7.77
16) freon 113	0.285	0.264	0.314	0.249	0.275	0.303	0.271	0.246	0.260		0.274	8.40
17) 1,1-dichloroethene	0.299	0.273	0.247	0.258	0.281	0.270	0.282	0.256	0.260	0.275	0.270	5.72
18) acetone	0.021	0.021		0.019	0.020		0.022	0.019	0.027		0.021	12.25
19) acetonitrile	0.039	0.033		0.030	0.032		0.033	0.031	0.032		0.033	8.20
20) iodomethane												

0.301 0.331 0.379 0.431 0.433 0.350 0.371 14.47

21) carbon disulfide
1.082 0.994 0.904 0.999 1.000 0.909 1.016 0.986 6.31

22) methylene chloride
0.352 0.339 0.307 0.325 0.390 0.323 0.307 0.421 0.346 11.78

23) methyl acetate
0.040 0.045 0.040 0.040 0.042 0.039 0.041 5.74

24) methyl tert butyl ether
0.896 0.865 0.895 0.807 0.871 0.988 0.902 0.786 0.767 0.796 0.857 7.94

25) trans-1,2-dichloroethene
0.326 0.335 0.352 0.310 0.331 0.375 0.339 0.290 0.292 0.328 8.35

26) hexane
0.595 0.563 0.507 0.548 0.598 0.529 0.517 0.574 0.554 6.21

27) di-isopropyl ether
0.988 0.936 1.060 0.920 1.000 1.018 1.025 0.902 0.916 1.053 0.982 6.02

28) ethyl tert-butyl ether
0.902 0.867 0.918 0.863 0.953 1.011 0.983 0.830 0.806 1.001 0.913 7.91

29) 2-butanone
0.031 0.033 0.030 0.031 0.032 0.029 0.029 0.031 4.97

30) 1,1-dichloroethane
0.576 0.542 0.629 0.527 0.581 0.681 0.597 0.528 0.528 0.576 9.17

31) chloroprene
0.468 0.460 0.437 0.504 0.460 0.518 0.425 0.423 0.462 7.54

32) acrylonitrile
0.085 0.085 0.076 0.082 0.085 0.083 0.083 0.083 3.57

33) vinyl acetate
0.048 0.048 0.050 0.053 0.068 0.044 0.050 0.052 14.75

34) ethyl acetate
0.038 0.041 0.039 0.042 0.042 0.041 0.041 3.83

35) 2,2-dichloropropane
0.412 0.404 0.466 0.416 0.474 0.439 0.491 0.389 0.373 0.429 9.44

36) cis-1,2-dichloroethene
0.385 0.373 0.344 0.374 0.457 0.373 0.342 0.360 0.376 9.58

37) propionitrile
0.039 0.036 0.034 0.036 0.032 0.037 0.032 0.034 0.035 6.72

38) bromochloromethane
0.243 0.223 0.268 0.209 0.223 0.253 0.222 0.205 0.220 0.230 9.12

39) tetrahydrofuran
0.114 0.086 0.089 0.083 0.088 0.097 0.099 0.094 11.40

40) chloroform
0.639 0.609 0.539 0.599 0.600 0.546 0.623 0.594 6.34

41) tert-butyl formate *This compound fails initial calibration criteria.*
0.065 0.054 0.060 0.069 0.080 0.047 0.060 0.062 17.26

42) isobutyl alcohol
0.051 0.048 0.045 0.050 0.049 0.043 0.048 6.68

43) dibromofluoromethane (s)
0.500 0.489 0.493 0.497 0.487 0.498 0.496 0.482 0.495 0.489 0.493 1.16

44) methacrylonitrile
0.107 0.102 0.105 0.112 0.112 0.104 0.118 0.109 5.11

45) 1,1,1-trichloroethane
0.536 0.508 0.568 0.490 0.551 0.606 0.558 0.480 0.478 0.539 0.531 7.88

46) cyclohexane
0.558 0.545 0.564 0.504 0.558 0.495 0.553 0.500 0.512 0.532 5.42

47) 1,1-dichloropropene
0.191 0.171 0.165 0.180 0.175 0.169 0.209 0.180 8.44

48) tert-amyl alcohol
0.021 0.022 0.021 0.025 0.025 0.018 0.022 0.022 11.05

49) carbon tetrachloride
0.456 0.433 0.397 0.459 0.472 0.401 0.453 0.439 6.75

```
50) I   1,4-difluorobenzene   ----------------ISTD---------------------
51)  1,2-dichloroethane-d4 (s)
      0.262 0.268 0.266 0.274 0.278 0.265 0.297 0.272 0.265 0.269  0.272    3.76
52)  2,2,4-trimethylpentane
      0.774 0.766 0.876 0.691 0.792 0.821 0.761 0.696 0.705        0.765    8.02
53)  tert-amyl methyl ether
      0.528 0.533 0.540 0.546 0.627 0.571 0.681 0.511 0.490 0.515  0.554   10.52
54)  n-butyl alcohol
      0.002 0.002       0.003 0.004       0.005 0.003              0.003   34.87
         ----- Quadratic regression -----                Coefficient =  0.9985
              Response Ratio = -0.00717 + 0.00330 *A + 0.00001 *A^2

55)  benzene
      0.779 0.745 0.897 0.718 0.826 0.814 0.853 0.733 0.688 0.882  0.793    9.05
56)  heptane
      0.177 0.164       0.151 0.167 0.183 0.161 0.152 0.153        0.163    7.23
57)  isopropyl acetate
      0.161 0.148       0.158 0.185 0.180 0.196 0.154 0.144        0.166   11.35
58)  1,2-dichloroethane
      0.225 0.230       0.222 0.248 0.274 0.264 0.212 0.234        0.239    8.95
59)  trichloroethene
      0.202 0.198 0.227 0.184 0.211 0.232 0.209 0.190 0.184        0.204    8.59
60)  ethyl acrylate
      0.166 0.158       0.190 0.210 0.190 0.205 0.164 0.150        0.179   12.51
61)  2-nitropropane
            0.036       0.035 0.039       0.039 0.030              0.036   10.56
62)  2-chloroethyl vinyl ether
      0.089 0.091 0.106 0.089 0.099 0.093 0.108 0.088 0.082        0.094    9.15
63)  methyl methacrylate
      0.051 0.043       0.042 0.047       0.049 0.042 0.037        0.044   11.15
64)  1,2-dichloropropane
      0.202 0.183       0.171 0.188 0.173 0.190 0.175 0.178        0.182    5.64
65)  methylcyclohexane
      0.370 0.367 0.372 0.337 0.381 0.406 0.367 0.331 0.347        0.364    6.36
66)  dibromomethane
      0.121 0.115 0.118 0.106 0.116 0.109 0.120 0.105 0.107        0.113    5.48
67)  bromodichloromethane
      0.232 0.238       0.236 0.267 0.243 0.268 0.230 0.229        0.243    6.54
68)  epichlorohydrin
      0.014 0.013       0.013 0.015       0.016 0.013 0.013        0.014    7.42
69)  cis-1,3-dichloropropene
      0.294 0.281       0.291 0.332 0.289 0.336 0.285 0.269        0.297    8.09
70)  4-methyl-2-pentanone
      0.027 0.027 0.030 0.027 0.029 0.023 0.031 0.025 0.023        0.027   10.74
71)  3-methyl-1-butanol
      0.003 0.003       0.004 0.006       0.008 0.003              0.004   45.23
         ----- Quadratic regression -----                Coefficient =  0.9989
              Response Ratio = -0.00308 + 0.00376 *A + 0.00005 *A^2


72) I   chlorobenzene-d5      ----------------ISTD---------------------
73)  toluene-d8 (s)
      1.365 1.359 1.360 1.361 1.354 1.380 1.345 1.368 1.357 1.371  1.362    0.71
74)  toluene
      0.586 0.573 0.642 0.547 0.621 0.612 0.637 0.540 0.597 0.651  0.601    6.50
75)  trans-1,3-dichloropropene
      0.256 0.271 0.256 0.285 0.327 0.269 0.334 0.272 0.223        0.277   12.66
76)  ethyl methacrylate
      0.213 0.208       0.228 0.255 0.224 0.262 0.215 0.174        0.222   12.41
77)  1,1,2-trichloroethane
```

```
      0.166 0.142       0.148 0.161       0.163 0.146 0.154        0.154    5.99
 78)  2-hexanone
      0.062 0.062 0.067 0.062 0.068 0.058 0.072 0.060 0.056        0.063    8.21
 79)  tetrachloroethene
      0.278 0.264 0.310 0.239 0.263 0.261 0.262 0.239 0.238 0.248  0.260    8.45
 80)  1,3-dichloropropane
      0.322 0.303 0.330 0.285 0.310 0.348 0.308 0.286 0.305        0.311    6.55
 81)  butyl acetate
      0.100 0.099       0.101 0.116 0.124 0.122 0.099 0.113        0.109    9.88
 82)  dibromochloromethane
      0.198 0.197 0.258 0.213 0.240 0.208 0.244 0.195 0.189 0.260  0.220   12.45
 83)  1,2-dibromoethane
      0.177 0.182 0.185 0.172 0.190 0.194 0.187 0.171 0.163        0.180    5.61
 84)  n-butyl ether
      0.887 0.888 0.920 0.887 1.068 0.956 1.201 0.868 0.799 0.975  0.945   12.20
 85)  chlorobenzene
      0.680 0.668 0.800 0.622 0.693 0.764 0.701 0.618 0.624        0.686    9.26
 86)  1,1,1,2-tetrachloroethane
      0.200 0.206 0.229 0.214 0.256 0.239 0.280 0.199 0.175 0.230  0.223   13.85
 87)  ethylbenzene
      1.138 1.081 1.257 1.074 1.303 1.212 1.477 1.061 1.086 1.263  1.195   11.17
 88)  m,p-xylene
      0.468 0.449 0.471 0.435 0.522 0.504 0.585 0.421 0.418 0.508  0.478   10.90
 89)  o-xylene
      0.857 0.830 1.003 0.829 0.976 0.884 1.092 0.813 0.789 1.006  0.908   11.37
 90)  styrene
      0.700 0.693 0.660 0.700 0.842 0.722 0.937 0.672 0.636        0.729   13.35
 91)  bromoform
      0.109 0.124       0.129 0.157 0.092       0.119 0.103        0.119   17.78
 92)  butyl acrylate
      0.243 0.270       0.333 0.413             0.298 0.217        0.296   23.83
         ----- Quadratic regression -----                Coefficient =  0.9999
              Response Ratio = -0.00193 + 0.26572 *A + 0.07388 *A^2

 93)  isopropylbenzene
      1.048 1.018 1.206 1.018 1.209 1.120 1.291 0.996 0.990 1.112  1.101    9.53
 94)  cis-1,4-dichloro-2-butene
      0.054 0.062       0.068 0.079       0.087 0.062 0.054        0.067   18.56

 95) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 96)  4-bromofluorobenzene (s)
      0.720 0.702 0.714 0.686 0.680 0.714 0.674 0.703 0.716 0.720  0.703    2.43
 97)  bromobenzene
      0.508 0.490       0.441 0.488 0.525 0.480 0.460 0.496        0.486    5.43
 98)  1,1,2,2-tetrachloroethane
      0.410 0.401 0.471 0.382 0.427 0.443 0.449 0.382 0.388 0.419  0.417    7.24
 99)  trans-1,4-dichloro-2-butene
      0.044 0.052       0.053 0.060       0.063 0.045              0.053   14.58
100)  1,2,3-trichloropropane
      0.130 0.130       0.114 0.124       0.123 0.117 0.134        0.124    5.85
101)  n-propylbenzene
      2.350 2.295 2.505 2.106 2.442 2.531 2.487 2.164 2.196        2.342    6.82
102)  2-chlorotoluene
      0.511 0.464 0.539 0.433 0.480 0.447 0.477 0.442 0.515        0.479    7.63
103)  4-chlorotoluene
      0.534 0.516       0.458 0.526 0.572 0.531 0.475 0.513        0.515    6.89
104)  1,3,5-trimethylbenzene
      1.578 1.553 1.644 1.469 1.714 1.696 1.766 1.498 1.503        1.602    6.67
105)  tert-butylbenzene
      1.534 1.497 1.549 1.399 1.613 1.670 1.629 1.407 1.458 1.477  1.523    6.10
```

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICC8069
Lab FileID: 3C184629.D

106) 1,2,4-trimethylbenzene
1.702 1.658 1.664 1.577 1.839 1.760 1.930 1.561 1.527 1.809 1.703 7.71
107) sec-butylbenzene
2.307 2.220 2.626 2.063 2.451 2.287 2.446 2.124 2.037 2.517 2.308 8.67
108) 1,3-dichlorobenzene
1.021 1.002 1.092 0.947 1.144 1.157 1.279 0.951 0.944 1.060 10.99
109) p-isopropyltoluene
2.003 1.991 2.051 1.920 2.371 2.070 2.573 1.888 1.875 2.295 2.104 11.06
110) 1,4-dichlorobenzene
1.103 1.014 0.940 1.093 1.273 1.144 0.960 1.085 1.076 9.94
111) 1,2,3-trimethylbenzene
1.684 1.619 1.755 1.615 1.906 1.835 2.023 1.576 1.545 1.883 1.744 9.28
112) 1,2-dichlorobenzene
0.949 0.943 1.078 0.894 1.007 1.059 1.030 0.885 0.932 1.084 0.986 7.60
113) n-butylbenzene
0.930 0.874 1.015 0.873 1.030 0.924 1.035 0.873 0.845 0.933 8.04
114) 1,2-dibromo-3-chloropropane
0.080 0.101 0.094 0.103 0.077 0.100 0.087 0.075 0.090 12.51
115) 1,3,5-trichlorobenzene
0.807 0.793 0.695 0.767 0.921 0.730 0.716 0.741 0.771 9.24
116) 1,2,4-trichlorobenzene
0.734 0.686 0.617 0.668 0.814 0.629 0.646 0.692 0.686 9.33
117) hexachlorobutadiene
0.362 0.323 0.377 0.298 0.322 0.409 0.292 0.307 0.357 0.339 11.77
118) naphthalene
1.612 1.541 1.882 1.494 1.559 1.702 1.494 1.534 1.492 1.590 8.10
119) 1,2,3-trichlorobenzene
0.653 0.620 0.563 0.592 0.740 0.564 0.592 0.556 0.610 10.15
120) hexachloroethane
0.170 0.170 0.203 0.247 0.170 0.250 0.172 0.153 0.192 19.66
121) benzyl chloride
0.406 0.423 0.615 0.776 0.435 0.496 0.374 0.504 28.55
----- Quadratic regression ----- Coefficient = 0.9997
Response Ratio = -0.00135 + 0.43025 *A + 0.17446 *A^2

122) 2-methylnaphthalene
0.793 0.830 0.802 0.825 0.856 0.748 0.827 0.709 0.799 6.10

123) pentafluorobenzene(a) ----------ISTD----------
124) vinyl bromide
0.000 -1.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

M3C8069.M Tue Dec 12 17:11:23 2023 RPT1

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\V3C8069\3C184634.D Vial: 15
Acq On : 12 Dec 2023 3:25 am Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	67	0.00	2.27
2	ethanol	0.161	0.168	-4.3	108	0.00	1.74
		True	Calc.	% Drift			
3	tertiary butyl alcohol	250.000	262.384	-5.0	100	0.00	2.33
4	1,4-dioxane	1250.000	1580.745	-26.5	118	0.00	4.83
		AvgRF	CCRF	% Dev			
5 I	pentafluorobenzene	1.000	1.000	0.0	93	0.00	3.63
6	dichlorodifluoromethane	0.420	0.470	-11.9	113	0.00	0.94
7	chlorodifluoromethane		NA				
8	chloromethane	0.427	0.472	-10.5	118	0.00	1.09
9	1,3-butadiene	0.331	0.291	12.1	88	0.00	1.14
10	vinyl chloride	0.427	0.511	-19.7	121	0.00	1.13
11	bromomethane		NA				
12	chloroethane	0.360	0.452	-25.6	106	0.00	1.40
13	trichlorofluoromethane	0.754	0.857	-13.7	110	0.00	1.54
14	ethyl ether	0.185	0.189	-2.2	102	0.00	1.74
15	acrolein	0.045	0.048	-6.7	111	0.00	1.87
16	freon 113	0.274	0.275	-0.4	103	0.00	1.87
17	1,1-dichloroethene	0.270	0.293	-8.5	106	0.00	1.89
18	acetone	0.021	0.021	0.0	102	0.00	1.97
19	acetonitrile	0.033	0.039	-18.2	121	0.00	2.20
20	iodomethane	0.371	0.392	-5.7	96	0.00	2.00
21	carbon disulfide	0.986	0.994	-0.8	103	0.00	2.02
22	methylene chloride	0.346	0.337	2.6	102	0.00	2.26
23	methyl acetate	0.041	0.047	-14.6	109	0.00	2.16
24	methyl tert butyl ether	0.857	0.906	-5.7	105	0.00	2.39
25	trans-1,2-dichloroethene	0.328	0.341	-4.0	103	0.00	2.41
26	hexane	0.554	0.580	-4.7	107	0.00	2.54
27	di-isopropyl ether	0.982	1.090	-11.0	111	0.00	2.73
28	ethyl tert-butyl ether	0.913	0.958	-4.9	104	0.00	3.00
29	2-butanone	0.031	0.035	-12.9	110	0.00	3.21
30	1,1-dichloroethane	0.576	0.582	-1.0	103	0.00	2.74
31	chloroprene	0.462	0.500	-8.2	107	0.00	2.78
32	acrylonitrile	0.083	0.089	-7.2	109	0.00	2.47
33	vinyl acetate	0.052	0.054	-3.8	101	0.00	2.77
34	ethyl acetate	0.041	0.045	-9.8	107	0.00	3.23
35	2,2-dichloropropane	0.429	0.487	-13.5	109	0.00	3.16
36	cis-1,2-dichloroethene	0.376	0.380	-1.1	103	0.00	3.19
37	propionitrile	0.035	0.038	-8.6	105	0.00	3.32

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

38		bromochloromethane	0.230	0.229	0.4	102	0.00	3.39
39		tetrahydrofuran	0.094	0.095	-1.1	100	0.00	3.39
40		chloroform	0.594	0.622	-4.7	108	0.00	3.45
41		tert-butyl formate	0.062	0.112	-80.6#	173	0.00	3.45
42		isobutyl alcohol	0.048	0.049	-2.1	100	0.00	3.85
43	S	dibromofluoromethane (s)	0.493	0.488	1.0	92	0.00	3.59
44		methacrylonitrile	0.109	0.119	-9.2	106	0.00	3.41
45		1,1,1-trichloroethane	0.531	0.554	-4.3	105	0.00	3.55
46		cyclohexane	0.532	0.629	-18.2	117	0.00	3.53
47		1,1-dichloropropene	0.180	0.182	-1.1	103	0.00	3.69
48		tert-amyl alcohol	0.022	0.025	-13.6	109	0.00	3.92
49		carbon tetrachloride	0.439	0.449	-2.3	106	0.00	3.66
50	I	1,4-difluorobenzene	1.000	1.000	0.0	92	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.274	-0.7	92	0.00	3.89
52		2,2,4-trimethylpentane	0.765	0.780	-2.0	104	0.00	3.84
53		tert-amyl methyl ether	0.554	0.609	-9.9	102	0.00	3.94
			True	Calc.	% Drift			
54		n-butyl alcohol	2500.000	2821.500	-12.9	111	0.00	4.47
			AvgRF	CCRF	% Dev			
55		benzene	0.793	0.819	-3.3	105	0.00	3.86
56		heptane	0.163	0.172	-5.5	105	0.00	4.03
57		isopropyl acetate	0.166	0.180	-8.4	104	0.00	3.94
58		1,2-dichloroethane	0.239	0.252	-5.4	104	0.00	3.95
59		trichloroethene	0.204	0.213	-4.4	106	0.00	4.46
60		ethyl acrylate	0.179	0.210	-17.3	101	0.00	4.59
61		2-nitropropane	0.036	0.032	11.1	84	0.00	5.30
62		2-chloroethyl vinyl ether	0.094	0.121	-28.7	125	0.00	5.32
63		methyl methacrylate	0.044	0.048	-9.1	106	0.00	4.82
64		1,2-dichloropropane	0.182	0.193	-6.0	104	0.00	4.71
65		methylcyclohexane	0.364	0.388	-6.6	106	0.00	4.55
66		dibromomethane	0.113	0.119	-5.3	102	0.00	4.83
67		bromodichloromethane	0.243	0.264	-8.6	103	0.00	4.99
68		epichlorohydrin	0.014	0.016	-14.3	108	0.00	5.40
69		cis-1,3-dichloropropene	0.297	0.333	-12.1	105	0.00	5.45
70		4-methyl-2-pentanone	0.027	0.032	-18.5	109	0.00	5.60
			True	Calc.	% Drift			
71		3-methyl-1-butanol	1000.000	1194.206	-19.4	117	0.00	5.71
			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	92	0.00	7.01
73	S	toluene-d8 (s)	1.362	1.374	-0.9	93	0.00	5.65
74		toluene	0.601	0.605	-0.7	102	0.00	5.71
75		trans-1,3-dichloropropene	0.277	0.323	-16.6	104	0.00	6.02
76		ethyl methacrylate	0.222	0.266	-19.8	108	0.00	6.06
77		1,1,2-trichloroethane	0.154	0.170	-10.4	106	0.00	6.19
78		2-hexanone	0.063	0.073	-15.9	108	0.00	6.40
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane	0.311	0.328	-5.5	106	0.00	6.34
81		butyl acetate	0.109	0.124	-13.8	113	0.00	6.51
82		dibromochloromethane	0.220	0.237	-7.7	102	0.00	6.52
83		1,2-dibromoethane	0.180	0.197	-9.4	105	0.00	6.62
84		n-butyl ether	0.945	1.001	-5.9	104	0.00	7.10
85		chlorobenzene	0.686	0.690	-0.6	102	0.00	7.03
86		1,1,1,2-tetrachloroethane	0.223	0.243	-9.0	105	0.00	7.12
87		ethylbenzene	1.195	1.210	-1.3	104	0.00	7.10

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184634.D

88		m,p-xylene	0.478	0.489	-2.3	103	0.00	7.21
89		o-xylene	0.908	0.935	-3.0	104	0.00	7.55
90		styrene	0.729	0.789	-8.2	104	0.00	7.58
91		bromoform	0.119	0.151	-26.9	107	0.00	7.76
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate	50.000	55.304	-10.6	106	0.00	7.56
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene	1.101	1.164	-5.7	105	0.00	7.86
94		cis-1,4-dichloro-2-butene	0.067	0.072	-7.5	98	0.00	7.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.691	1.7	91	0.00	8.02
97		bromobenzene	0.486	0.494	-1.6	102	0.00	8.13
98		1,1,2,2-tetrachloroethane	0.417	0.427	-2.4	101	0.00	8.19
99		trans-1,4-dichloro-2-bute	0.053	0.063	-18.9	108	0.00	8.24
100		1,2,3-trichloropropane	0.124	0.134	-8.1	107	0.00	8.22
101		n-propylbenzene	2.342	2.382	-1.7	103	0.00	8.19
102		2-chlorotoluene	0.479	0.494	-3.1	104	0.00	8.28
103		4-chlorotoluene	0.515	0.521	-1.2	103	0.00	8.38
104		1,3,5-trimethylbenzene	1.602	1.654	-3.2	102	0.00	8.35
105		tert-butylbenzene	1.523	1.568	-3.0	102	0.00	8.60
106		1,2,4-trimethylbenzene	1.703	1.770	-3.9	102	0.00	8.66
107		sec-butylbenzene	2.308	2.333	-1.1	103	0.00	8.78
108		1,3-dichlorobenzene	1.060	1.062	-0.2	102	0.00	8.90
109		p-isopropyltoluene	2.104	2.165	-2.9	102	0.00	8.90
110		1,4-dichlorobenzene	1.076	1.040	3.3	101	0.00	8.97
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene	0.986	0.986	0.0	100	0.00	9.27
113		n-butylbenzene	0.933	0.958	-2.7	100	0.00	9.23
114		1,2-dibromo-3-chloropropa	0.090	0.108	-20.0	105	0.00	9.91
115		1,3,5-trichlorobenzene	0.771	0.803	-4.2	105	0.00	10.02
116		1,2,4-trichlorobenzene	0.686	0.671	2.2	99	0.00	10.51
117		hexachlorobutadiene	0.339	0.337	0.6	103	0.00	10.61
118		naphthalene	1.590	1.694	-6.5	103	0.00	10.70
119		1,2,3-trichlorobenzene	0.610	0.643	-5.4	104	0.00	10.89
120		hexachloroethane	0.192	0.234	-21.9	105	0.00	9.42
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride	50.000	55.104	-10.2	101	0.00	9.09
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene	0.799	0.954	-19.4	108	0.00	11.55
123		pentafluorobenzene(a)	1.000	1.000	0.0	93	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3C184629.D M3C8069.M Tue Dec 12 17:12:52 2023 RPT1

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V3C8069\3C184635.D Vial: 16
Acq On : 12 Dec 2023 3:50 am Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	71	0.00	2.27
2	ethanol		----------NA----------				
	---------- True	Calc.	% Drift	----------			
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
	---------- AvgRF	CCRF	% Dev	----------			
5 I	pentafluorobenzene	1.000	1.000	0.0	92	0.00	3.63
6	dichlorodifluoromethane		----------NA----------				
7	chlorodifluoromethane	0.403	0.499	-23.8	126	0.00	0.98
8	chloromethane		----------NA----------				
9	1,3-butadiene		----------NA----------				
10	vinyl chloride		----------NA----------				
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile	0.033	0.035	-6.1	104	0.00	2.20
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane		----------NA----------				
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile	0.083	0.094	-13.3	113	0.00	2.47
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.493	0.496	-0.6	92	0.00	3.59
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane		----------NA----------				
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	91	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.270	0.7	89	0.00	3.89
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
54		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	89	0.00	7.01
73	S	toluene-d8 (s)	1.362	1.368	-0.4	90	0.00	5.65
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene	0.260	0.267	-2.7	100	0.00	6.21
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184635.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	82	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.729	-3.7	87	0.00	8.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene	1.744	1.823	-4.5	92	0.00	8.99
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	92	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

3C184629.D M3C8069.M Tue Dec 12 17:15:45 2023 RPT1

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\V3C8069\3C184639.D Vial: 20
Acq On : 12 Dec 2023 4:23 pm Operator: PrashanS
Sample : ICV8069-50 Inst : GCMS3C
Misc : MS75499,V3C8069,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	56	0.00	2.27
2	ethanol		----------NA----------				
	---------- True	Calc.	% Drift	----------			
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
	---------- AvgRF	CCRF	% Dev	----------			
5 I	pentafluorobenzene	1.000	1.000	0.0	88	0.00	3.63
6	dichlorodifluoromethane	0.420	0.390	7.1	88	0.00	0.94
7	chlorodifluoromethane		----------NA----------				
8	chloromethane	0.427	0.391	8.4	92	0.00	1.09
9	1,3-butadiene		----------NA----------				
10	vinyl chloride	0.427	0.416	2.6	93	0.00	1.13
11	bromomethane	0.614	0.438	28.7	55	0.00	1.34
12	chloroethane	0.360	0.321	10.8	70	0.00	1.41
13	trichlorofluoromethane	0.754	0.660	12.5	79	0.00	1.54
14	ethyl ether		----------NA----------				
15	acrolein		----------NA----------				
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	acetonitrile		----------NA----------				
20	iodomethane		----------NA----------				
21	carbon disulfide		----------NA----------				
22	methylene chloride		----------NA----------				
23	methyl acetate		----------NA----------				
24	methyl tert butyl ether		----------NA----------				
25	trans-1,2-dichloroethene		----------NA----------				
26	hexane	0.554	0.475	14.3	82	0.00	2.54
27	di-isopropyl ether		----------NA----------				
28	ethyl tert-butyl ether		----------NA----------				
29	2-butanone		----------NA----------				
30	1,1-dichloroethane		----------NA----------				
31	chloroprene		----------NA----------				
32	acrylonitrile		----------NA----------				
33	vinyl acetate		----------NA----------				
34	ethyl acetate		----------NA----------				
35	2,2-dichloropropane		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

38		bromochloromethane		----------NA----------				
39		tetrahydrofuran		----------NA----------				
40		chloroform		----------NA----------				
41		tert-butyl formate		----------NA----------				
42		isobutyl alcohol		----------NA----------				
43	S	dibromofluoromethane (s)	0.493	0.489	0.8	86	0.00	3.59
44		methacrylonitrile		----------NA----------				
45		1,1,1-trichloroethane		----------NA----------				
46		cyclohexane	0.532	0.495	7.0	86	0.00	3.53
47		1,1-dichloropropene		----------NA----------				
48		tert-amyl alcohol		----------NA----------				
49		carbon tetrachloride		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	87	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.270	0.7	86	0.00	3.89
52		2,2,4-trimethylpentane		----------NA----------				
53		tert-amyl methyl ether		----------NA----------				
		----------	True	Calc.	% Drift	----------		
54		n-butyl alcohol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
55		benzene		----------NA----------				
56		heptane		----------NA----------				
57		isopropyl acetate		----------NA----------				
58		1,2-dichloroethane		----------NA----------				
59		trichloroethene		----------NA----------				
60		ethyl acrylate		----------NA----------				
61		2-nitropropane		----------NA----------				
62		2-chloroethyl vinyl ether		----------NA----------				
63		methyl methacrylate		----------NA----------				
64		1,2-dichloropropane		----------NA----------				
65		methylcyclohexane		----------NA----------				
66		dibromomethane		----------NA----------				
67		bromodichloromethane		----------NA----------				
68		epichlorohydrin		----------NA----------				
69		cis-1,3-dichloropropene		----------NA----------				
70		4-methyl-2-pentanone		----------NA----------				
		----------	True	Calc.	% Drift	----------		
71		3-methyl-1-butanol		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
72	I	chlorobenzene-d5	1.000	1.000	0.0	86	0.00	7.00
73	S	toluene-d8 (s)	1.362	1.354	0.6	86	0.00	5.65
74		toluene		----------NA----------				
75		trans-1,3-dichloropropene		----------NA----------				
76		ethyl methacrylate		----------NA----------				
77		1,1,2-trichloroethane		----------NA----------				
78		2-hexanone		----------NA----------				
79		tetrachloroethene		----------NA----------				
80		1,3-dichloropropane		----------NA----------				
81		butyl acetate		----------NA----------				
82		dibromochloromethane		----------NA----------				
83		1,2-dibromoethane		----------NA----------				
84		n-butyl ether		----------NA----------				
85		chlorobenzene		----------NA----------				
86		1,1,1,2-tetrachloroethane		----------NA----------				
87		ethylbenzene		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8069-ICV8069
Lab FileID: 3C184639.D

88		m,p-xylene		----------NA----------				
89		o-xylene		----------NA----------				
90		styrene		----------NA----------				
91		bromoform		----------NA----------				
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene		----------NA----------				
94		cis-1,4-dichloro-2-butene		----------NA----------				
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	77	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.727	-3.4	82	0.00	8.02
97		bromobenzene		----------NA----------				
98		1,1,2,2-tetrachloroethane		----------NA----------				
99		trans-1,4-dichloro-2-bute		----------NA----------				
100		1,2,3-trichloropropane		----------NA----------				
101		n-propylbenzene		----------NA----------				
102		2-chlorotoluene		----------NA----------				
103		4-chlorotoluene		----------NA----------				
104		1,3,5-trimethylbenzene		----------NA----------				
105		tert-butylbenzene		----------NA----------				
106		1,2,4-trimethylbenzene		----------NA----------				
107		sec-butylbenzene		----------NA----------				
108		1,3-dichlorobenzene		----------NA----------				
109		p-isopropyltoluene		----------NA----------				
110		1,4-dichlorobenzene		----------NA----------				
111		1,2,3-trimethylbenzene		----------NA----------				
112		1,2-dichlorobenzene		----------NA----------				
113		n-butylbenzene		----------NA----------				
114		1,2-dibromo-3-chloropropa		----------NA----------				
115		1,3,5-trichlorobenzene		----------NA----------				
116		1,2,4-trichlorobenzene		----------NA----------				
117		hexachlorobutadiene		----------NA----------				
118		naphthalene		----------NA----------				
119		1,2,3-trichlorobenzene		----------NA----------				
120		hexachloroethane		----------NA----------				
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride		----------NA----------				
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene		----------NA----------				
123		pentafluorobenzene(a)	1.000	1.000	0.0	88	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C184629.D M3C8069.M Tue Dec 12 17:19:10 2023 RPT1

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8080-CC8069
Lab FileID: 3C184941.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\a...23\v3c8080\3C184941.D Vial: 3
Acq On : 21 Dec 2023 11:23 am Operator: PrashanS
Sample : CC8069-50 Inst : GCMS3C
Misc : MS76271,V3C8080,5.0,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\methods\M3C8069.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi624 20m x 0.18mm x 1.0um
Last Update : Tue Dec 12 12:12:09 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	106	0.00	2.27
2	ethanol	0.161	0.112	30.4#	112	0.00	1.74
		True	Calc.	% Drift			
3	tertiary butyl alcohol	250.000	177.973	28.8#	110	0.00	2.33
4	1,4-dioxane	1250.000	1085.978	13.1	132	0.00	4.83
		AvgRF	CCRF	% Dev			
5 I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	3.63
6	dichlorodifluoromethane	0.420	0.418	0.5	107	0.00	0.94
7	chlorodifluoromethane	0.403	0.371	7.9	102	0.00	0.97
8	chloromethane	0.427	0.406	4.9	109	0.00	1.09
9	1,3-butadiene	0.331	0.326	1.5	105	0.00	1.14
10	vinyl chloride	0.427	0.461	-8.0	117	0.00	1.13
11	bromomethane	0.614	0.561	8.6	81	0.00	1.34
12	chloroethane	0.360	0.443	-23.1#	111	0.00	1.40
13	trichlorofluoromethane	0.754	0.866	-14.9	119	0.00	1.54
14	ethyl ether	0.185	0.199	-7.6	115	0.00	1.74
15	acrolein	0.045	0.042	6.7	105	0.00	1.87
16	freon 113	0.274	0.253	7.7	101	0.00	1.87
17	1,1-dichloroethene	0.270	0.271	-0.4	105	0.00	1.89
18	acetone	0.021	0.020	4.8	106	0.00	1.97
19	acetonitrile	0.033	0.035	-6.1	116	0.00	2.20
20	iodomethane	0.371	0.351	5.4	93	0.00	2.00
21	carbon disulfide	0.986	0.970	1.6	107	0.00	2.02
22	methylene chloride	0.346	0.350	-1.2	114	0.00	2.25
23	methyl acetate	0.041	0.047	-14.6	118	0.00	2.16
24	methyl tert butyl ether	0.857	0.961	-12.1	119	0.00	2.38
25	trans-1,2-dichloroethene	0.328	0.331	-0.9	107	0.00	2.41
26	hexane	0.554	0.520	6.1	102	0.00	2.54
27	di-isopropyl ether	0.982	1.052	-7.1	114	0.00	2.72
28	ethyl tert-butyl ether	0.913	1.014	-11.1	117	0.00	3.00
29	2-butanone	0.031	0.035	-12.9	116	0.00	3.21
30	1,1-dichloroethane	0.576	0.607	-5.4	115	0.00	2.74
31	chloroprene	0.462	0.492	-6.5	112	0.00	2.78
32	acrylonitrile	0.083	0.086	-3.6	113	0.00	2.47
33	vinyl acetate	0.052	0.064	-23.1#	127	0.00	2.77
34	ethyl acetate	0.041	0.046	-12.2	116	0.00	3.23
35	2,2-dichloropropane	0.429	0.496	-15.6	119	0.00	3.16
36	cis-1,2-dichloroethene	0.376	0.385	-2.4	112	0.00	3.19
37	propionitrile	0.035	0.039	-11.4	115	0.00	3.31

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8080-CC8069
Lab FileID: 3C184941.D

38		bromochloromethane	0.230	0.234	-1.7	112	0.00	3.39
39		tetrahydrofuran	0.094	0.090	4.3	101	0.00	3.38
40		chloroform	0.594	0.638	-7.4	118	0.00	3.45
41		tert-butyl formate	0.062	0.082	-32.3#	135	0.00	3.45
42		isobutyl alcohol	0.048	0.047	2.1	105	0.00	3.84
43	S	dibromofluoromethane (s)	0.493	0.532	-7.9	107	0.00	3.58
44		methacrylonitrile	0.109	0.129	-18.3	123	0.00	3.41
45		1,1,1-trichloroethane	0.531	0.569	-7.2	116	0.00	3.55
46		cyclohexane	0.532	0.584	-9.8	116	0.00	3.53
47		1,1-dichloropropene	0.180	0.167	7.2	101	0.00	3.69
48		tert-amyl alcohol	0.022	0.026	-18.2	120	0.00	3.92
49		carbon tetrachloride	0.439	0.459	-4.6	116	0.00	3.65
50	I	1,4-difluorobenzene	1.000	1.000	0.0	107	0.00	4.25
51	S	1,2-dichloroethane-d4 (s)	0.272	0.299	-9.9	117	0.00	3.89
52		2,2,4-trimethylpentane	0.765	0.711	7.1	110	0.00	3.84
53		tert-amyl methyl ether	0.554	0.632	-14.1	124	0.00	3.93

			True	Calc.	% Drift			
54		n-butyl alcohol	2500.000	2625.096	-5.0	119	0.00	4.47

			AvgRF	CCRF	% Dev			
55		benzene	0.793	0.781	1.5	116	0.00	3.86
56		heptane	0.163	0.156	4.3	111	0.00	4.03
57		isopropyl acetate	0.166	0.185	-11.4	125	0.00	3.94
58		1,2-dichloroethane	0.239	0.261	-9.2	126	0.00	3.95
59		trichloroethene	0.204	0.200	2.0	116	0.00	4.46
60		ethyl acrylate	0.179	0.202	-12.8	113	0.00	4.59
61		2-nitropropane	0.036	0.040	-11.1	121	0.00	5.29
62		2-chloroethyl vinyl ether	0.094	0.105	-11.7	126	0.00	5.32
63		methyl methacrylate	0.044	0.046	-4.5	118	0.00	4.82
64		1,2-dichloropropane	0.182	0.192	-5.5	120	0.00	4.71
65		methylcyclohexane	0.364	0.357	1.9	113	0.00	4.55
66		dibromomethane	0.113	0.122	-8.0	122	0.00	4.83
67		bromodichloromethane	0.243	0.271	-11.5	123	0.00	4.99
68		epichlorohydrin	0.014	0.016	-14.3	133	0.00	5.40
69		cis-1,3-dichloropropene	0.297	0.339	-14.1	124	0.00	5.45
70		4-methyl-2-pentanone	0.027	0.031	-14.8	126	0.00	5.60

			True	Calc.	% Drift			
71		3-methyl-1-butanol	1000.000	1103.954	-10.4	124	0.00	5.71

			AvgRF	CCRF	% Dev			
72	I	chlorobenzene-d5	1.000	1.000	0.0	112	0.00	7.00
73	S	toluene-d8 (s)	1.362	1.364	-0.1	112	0.00	5.65
74		toluene	0.601	0.570	5.2	117	0.00	5.71
75		trans-1,3-dichloropropene	0.277	0.324	-17.0	127	0.00	6.02
76		ethyl methacrylate	0.222	0.257	-15.8	127	0.00	6.06
77		1,1,2-trichloroethane	0.154	0.160	-3.9	121	0.00	6.19
78		2-hexanone	0.063	0.072	-14.3	130	0.00	6.40
79		tetrachloroethene	0.260	0.229	11.9	107	0.00	6.21
80		1,3-dichloropropane	0.311	0.330	-6.1	130	0.00	6.34
81		butyl acetate	0.109	0.110	-0.9	123	0.00	6.50
82		dibromochloromethane	0.220	0.228	-3.6	120	0.00	6.52
83		1,2-dibromoethane	0.180	0.192	-6.7	125	0.00	6.62
84		n-butyl ether	0.945	0.922	2.4	117	0.00	7.10
85		chlorobenzene	0.686	0.642	6.4	116	0.00	7.03
86		1,1,1,2-tetrachloroethane	0.223	0.228	-2.2	120	0.00	7.12
87		ethylbenzene	1.195	1.149	3.8	120	0.00	7.10

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: V3C8080-CC8069
Lab FileID: 3C184941.D

88		m,p-xylene	0.478	0.470	1.7	121	0.00	7.21
89		o-xylene	0.908	0.913	-0.6	124	0.00	7.55
90		styrene	0.729	0.777	-6.6	125	0.00	7.58
91		bromoform	0.119	0.143	-20.2#	124	0.00	7.75
		----------	True	Calc.	% Drift	----------		
92		butyl acrylate	50.000	52.571	-5.1	121	0.00	7.56
		----------	AvgRF	CCRF	% Dev	----------		
93		isopropylbenzene	1.101	1.081	1.8	119	0.00	7.85
94		cis-1,4-dichloro-2-butene	0.067	0.077	-14.9	127	0.00	7.99
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	8.96
96	S	4-bromofluorobenzene (s)	0.703	0.766	-9.0	129	0.00	8.02
97		bromobenzene	0.486	0.435	10.5	114	0.00	8.13
98		1,1,2,2-tetrachloroethane	0.417	0.429	-2.9	130	0.00	8.19
99		trans-1,4-dichloro-2-bute	0.053	0.064	-20.8#	141	0.00	8.24
100		1,2,3-trichloropropane	0.124	0.133	-7.3	135	0.00	8.22
101		n-propylbenzene	2.342	2.267	3.2	124	0.00	8.19
102		2-chlorotoluene	0.479	0.451	5.8	120	0.00	8.28
103		4-chlorotoluene	0.515	0.511	0.8	129	0.00	8.38
104		1,3,5-trimethylbenzene	1.602	1.601	0.1	126	0.00	8.35
105		tert-butylbenzene	1.523	1.458	4.3	120	0.00	8.60
106		1,2,4-trimethylbenzene	1.703	1.763	-3.5	129	0.00	8.65
107		sec-butylbenzene	2.308	2.231	3.3	125	0.00	8.78
108		1,3-dichlorobenzene	1.060	1.014	4.3	124	0.00	8.90
109		p-isopropyltoluene	2.104	2.102	0.1	127	0.00	8.90
110		1,4-dichlorobenzene	1.076	1.027	4.6	126	0.00	8.97
111		1,2,3-trimethylbenzene	1.744	1.861	-6.7	133	0.00	8.99
112		1,2-dichlorobenzene	0.986	0.973	1.3	126	0.00	9.27
113		n-butylbenzene	0.933	1.015	-8.8	134	0.00	9.23
114		1,2-dibromo-3-chloropropa	0.090	0.102	-13.3	125	0.00	9.90
115		1,3,5-trichlorobenzene	0.771	0.701	9.1	117	0.00	10.01
116		1,2,4-trichlorobenzene	0.686	0.630	8.2	118	0.00	10.51
117		hexachlorobutadiene	0.339	0.280	17.4	109	0.00	10.61
118		naphthalene	1.590	1.566	1.5	121	0.00	10.69
119		1,2,3-trichlorobenzene	0.610	0.565	7.4	116	0.00	10.89
120		hexachloroethane	0.192	0.204	-6.2	116	0.00	9.42
		----------	True	Calc.	% Drift	----------		
121		benzyl chloride	50.000	59.846	-19.7	144	0.00	9.09
		----------	AvgRF	CCRF	% Dev	----------		
122		2-methylnaphthalene	0.799	0.815	-2.0	117	0.00	11.55
123		pentafluorobenzene(a)	1.000	1.000	0.0	100	0.00	3.63
124		vinyl bromide		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
3C184629.D M3C8069.M Fri Dec 22 06:10:02 2023

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3C8069	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8069-BFB	3C184621.D	12/11/23 21:57	n/a	BFB Tune
V3C8069-IC8069	3C184622.D	12/11/23 22:24	n/a	Initial cal 0.2
V3C8069-IC8069	3C184623.D	12/11/23 22:50	n/a	Initial cal 0.5
V3C8069-IC8069	3C184624.D	12/11/23 23:14	n/a	Initial cal 1
V3C8069-IC8069	3C184625.D	12/11/23 23:39	n/a	Initial cal 2
V3C8069-IC8069	3C184626.D	12/12/23 00:05	n/a	Initial cal 4
V3C8069-IC8069	3C184627.D	12/12/23 00:30	n/a	Initial cal 8
V3C8069-IC8069	3C184628.D	12/12/23 00:55	n/a	Initial cal 20
V3C8069-ICC8069	3C184629.D	12/12/23 01:19	n/a	Initial cal 50
V3C8069-IC8069	3C184630.D	12/12/23 01:44	n/a	Initial cal 100
V3C8069-IC8069	3C184631.D	12/12/23 02:10	n/a	Initial cal 200
V3C8069-ICV8069	3C184634.D	12/12/23 03:25	n/a	Initial cal verification 50
V3C8069-ICV8069	3C184635.D	12/12/23 03:50	n/a	Initial cal verification 50
V3C8069-BFB2	3C184638.D	12/12/23 15:56	n/a	BFB Tune
V3C8069-ICV8069	3C184639.D	12/12/23 16:23	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: V3C8080	**Method:** SW846 8260D	**Instrument ID:** GCMS3C

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V3C8080-CC8069	3C184941.D	12/21/23 11:23	n/a	Continuing cal 50
V3C8080-BS	3C184942.D	12/21/23 11:54	n/a	Blank Spike
V3C8080-MB	3C184944.D	12/21/23 13:05	n/a	Method Blank
JD79126-1	3C184945.D	12/21/23 13:30	n/a	SB112 (6-6.5)
JD79126-2	3C184946.D	12/21/23 13:55	n/a	SB111 (2.5-3)
JD79126-3	3C184947.D	12/21/23 14:20	n/a	SB108 (3.5'-4')
JD79126-4	3C184948.D	12/21/23 14:45	n/a	SB107 (6.5'-7')
ZZZZZZ	3C184949.D	12/21/23 15:10	n/a	(unrelated sample)
JD79126-1MS	3C184950.D	12/21/23 15:35	n/a	Matrix Spike
JD79126-2DUP	3C184952.D	12/21/23 16:25	n/a	Duplicate
ZZZZZZ	3C184953.D	12/21/23 16:50	n/a	(unrelated sample)
ZZZZZZ	3C184954.D	12/21/23 17:15	n/a	(unrelated sample)
ZZZZZZ	3C184955.D	12/21/23 17:48	n/a	(unrelated sample)
ZZZZZZ	3C184956.D	12/21/23 18:13	n/a	(unrelated sample)
ZZZZZZ	3C184957.D	12/21/23 18:38	n/a	(unrelated sample)
ZZZZZZ	3C184958.D	12/21/23 19:03	n/a	(unrelated sample)
ZZZZZZ	3C184959.D	12/21/23 19:28	n/a	(unrelated sample)
ZZZZZZ	3C184960.D	12/21/23 19:53	n/a	(unrelated sample)
ZZZZZZ	3C184961.D	12/21/23 20:18	n/a	(unrelated sample)
ZZZZZZ	3C184962.D	12/21/23 20:43	n/a	(unrelated sample)
ZZZZZZ	3C184963.D	12/21/23 21:08	n/a	(unrelated sample)
ZZZZZZ	3C184964.D	12/21/23 21:33	n/a	(unrelated sample)
ZZZZZZ	3C184965.D	12/21/23 21:58	n/a	(unrelated sample)
ZZZZZZ	3C184966.D	12/21/23 22:23	n/a	(unrelated sample)

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MB1	6P513460.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MB1	6P513460.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MB1	6P513460.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	63%	10-99%
4165-62-2	Phenol-d5	65%	10-96%
118-79-6	2,4,6-Tribromophenol	56%	10-123%
4165-60-0	Nitrobenzene-d5	65%	10-109%
321-60-8	2-Fluorobiphenyl	58%	11-109%
1718-51-0	Terphenyl-d14	80%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-BS1	6P513461.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1140	68	10-135
59-50-7	4-Chloro-3-methyl phenol	1670	1250	75	10-141
120-83-2	2,4-Dichlorophenol	1670	1130	68	10-139
105-67-9	2,4-Dimethylphenol	1670	1220	73	10-141
51-28-5	2,4-Dinitrophenol	3330	1680	50	10-138
534-52-1	4,6-Dinitro-o-cresol	1670	1020	61	10-156
95-48-7	2-Methylphenol	1670	1170	70	10-139
	3&4-Methylphenol	3330	2460	74	10-174
88-75-5	2-Nitrophenol	1670	1200	72	10-142
100-02-7	4-Nitrophenol	1670	1330	80	10-144
87-86-5	Pentachlorophenol	3330	2200	66	10-165
108-95-2	Phenol	1670	1180	71	23-115
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1120	67	10-146
95-95-4	2,4,5-Trichlorophenol	1670	1150	69	13-136
88-06-2	2,4,6-Trichlorophenol	1670	1110	67	10-142
83-32-9	Acenaphthene	1670	1200	72	10-141
208-96-8	Acenaphthylene	1670	1470	88	10-133
98-86-2	Acetophenone	1670	1150	69	23-115
120-12-7	Anthracene	1670	1270	76	10-144
1912-24-9	Atrazine	1670	1340	80	17-149
56-55-3	Benzo(a)anthracene	1670	1340	80	11-139
50-32-8	Benzo(a)pyrene	1670	1390	83	13-141
205-99-2	Benzo(b)fluoranthene	1670	1460	88	14-140
191-24-2	Benzo(g,h,i)perylene	1670	1360	82	13-138
207-08-9	Benzo(k)fluoranthene	1670	1470	88	12-140
101-55-3	4-Bromophenyl phenyl ether	1670	1280	77	10-146
85-68-7	Butyl benzyl phthalate	1670	1510	91	10-150
92-52-4	1,1'-Biphenyl	1670	1150	69	10-141
100-52-7	Benzaldehyde	1670	979	59	10-146
91-58-7	2-Chloronaphthalene	1670	1120	67	10-142
106-47-8	4-Chloroaniline	1670	765	46	10-108
86-74-8	Carbazole	1670	1270	76	10-145
105-60-2	Caprolactam	1670	1490	89	10-187
218-01-9	Chrysene	1670	1240	74	11-139
111-91-1	bis(2-Chloroethoxy)methane	1670	1190	71	10-144
111-44-4	bis(2-Chloroethyl)ether	1670	1150	69	10-145

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-BS1	6P513461.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	1100	66	10-145
7005-72-3	4-Chlorophenyl phenyl ether	1670	1150	69	10-145
121-14-2	2,4-Dinitrotoluene	1670	1380	83	10-148
606-20-2	2,6-Dinitrotoluene	1670	1370	82	12-145
91-94-1	3,3'-Dichlorobenzidine	1670	943	57	10-100
123-91-1	1,4-Dioxane	1670	622	37	10-97
53-70-3	Dibenzo(a,h)anthracene	1670	1360	82	14-142
132-64-9	Dibenzofuran	1670	1180	71	10-140
84-74-2	Di-n-butyl phthalate	1670	1360	82	11-147
117-84-0	Di-n-octyl phthalate	1670	1980	119	15-145
84-66-2	Diethyl phthalate	1670	1270	76	10-145
131-11-3	Dimethyl phthalate	1670	1210	73	10-144
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1570	94	26-132
206-44-0	Fluoranthene	1670	1290	77	10-147
86-73-7	Fluorene	1670	1230	74	12-139
118-74-1	Hexachlorobenzene	1670	1190	71	10-144
87-68-3	Hexachlorobutadiene	1670	1000	60	10-142
77-47-4	Hexachlorocyclopentadiene	3330	3070	92	10-120
67-72-1	Hexachloroethane	1670	992	60	10-141
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1360	82	13-144
78-59-1	Isophorone	1670	1220	73	10-139
91-57-6	2-Methylnaphthalene	1670	1140	68	10-140
88-74-4	2-Nitroaniline	1670	1450	87	10-148
99-09-2	3-Nitroaniline	1670	986	59	10-127
100-01-6	4-Nitroaniline	1670	1140	68	10-143
91-20-3	Naphthalene	1670	1110	67	10-141
98-95-3	Nitrobenzene	1670	1220	73	10-139
621-64-7	N-Nitroso-di-n-propylamine	1670	1260	76	10-143
86-30-6	N-Nitrosodiphenylamine	1670	1220	73	10-145
85-01-8	Phenanthrene	1670	1240	74	10-142
129-00-0	Pyrene	1670	1340	80	13-141
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1060	64	10-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-BS1	6P513461.D	1	12/23/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	71%	10-99%
4165-62-2	Phenol-d5	76%	10-96%
118-79-6	2,4,6-Tribromophenol	83%	10-123%
4165-60-0	Nitrobenzene-d5	73%	10-109%
321-60-8	2-Fluorobiphenyl	68%	11-109%
1718-51-0	Terphenyl-d14	81%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MS	6P513471.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
OP51350-MSD	6P513472.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
JD79126-1	6P513473.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1940	1120	58	1940	1070	55	5	10-137/86
59-50-7	4-Chloro-3-methyl phenol	ND		1940	1270	65	1940	1290	66	2	10-146/84
120-83-2	2,4-Dichlorophenol	ND		1940	1130	58	1940	1160	60	3	10-145/86
105-67-9	2,4-Dimethylphenol	ND		1940	1230	63	1940	1240	64	1	10-148/87
51-28-5	2,4-Dinitrophenol	ND		3880	623	16	3880	591	15	5	10-118/90
534-52-1	4,6-Dinitro-o-cresol	ND		1940	475	24	1940	384	20	21	10-131/97
95-48-7	2-Methylphenol	ND		1940	1190	61	1940	1190	61	0	10-143/86
	3&4-Methylphenol	ND		3880	2490	64	3880	2490	64	0	10-162/87
88-75-5	2-Nitrophenol	ND		1940	1130	58	1940	994	51	13	10-147/93
100-02-7	4-Nitrophenol	ND		1940	1310	67	1940	1220	63	7	10-152/85
87-86-5	Pentachlorophenol	ND		3880	1910	49	3880	1890	49	1	10-146/89
108-95-2	Phenol	ND		1940	1190	61	1940	1180	61	1	10-118/84
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1940	1060	55	1940	1040	54	2	10-139/87
95-95-4	2,4,5-Trichlorophenol	ND		1940	1130	58	1940	1130	58	0	10-140/86
88-06-2	2,4,6-Trichlorophenol	ND		1940	1120	58	1940	1110	57	1	10-141/86
83-32-9	Acenaphthene	ND		1940	1210	62	1940	1210	62	0	10-156/87
208-96-8	Acenaphthylene	ND		1940	1480	76	1940	1490	77	1	10-143/84
98-86-2	Acetophenone	ND		1940	1120	58	1940	1060	55	6	10-130/90
120-12-7	Anthracene	ND		1940	1260	65	1940	1250	64	1	10-166/88
1912-24-9	Atrazine	ND		1940	1310	67	1940	1340	69	2	10-148/86
56-55-3	Benzo(a)anthracene	ND		1940	1350	70	1940	1390	72	3	10-163/88
50-32-8	Benzo(a)pyrene	ND		1940	1380	71	1940	1380	71	0	10-163/89
205-99-2	Benzo(b)fluoranthene	ND		1940	1410	73	1940	1360	70	4	10-156/91
191-24-2	Benzo(g,h,i)perylene	ND		1940	1260	65	1940	1240	64	2	10-158/89
207-08-9	Benzo(k)fluoranthene	ND		1940	1360	70	1940	1400	72	3	10-157/86
101-55-3	4-Bromophenyl phenyl ether	ND		1940	1250	64	1940	1300	67	4	10-143/87
85-68-7	Butyl benzyl phthalate	ND		1940	1500	77	1940	1600	82	6	10-161/89
92-52-4	1,1'-Biphenyl	ND		1940	1170	60	1940	1170	60	0	10-143/86
100-52-7	Benzaldehyde	ND		1940	943	49	1940	814	42	15	10-148/88
91-58-7	2-Chloronaphthalene	ND		1940	1160	60	1940	1150	59	1	10-145/86
106-47-8	4-Chloroaniline	ND		1940	690	36	1940	765	39	10	10-109/87
86-74-8	Carbazole	ND		1940	1230	63	1940	1240	64	1	10-158/87
105-60-2	Caprolactam	ND		1940	1370	71	1940	1410	73	3	10-150/82
218-01-9	Chrysene	ND		1940	1280	66	1940	1310	67	2	10-164/87
111-91-1	bis(2-Chloroethoxy)methane	ND		1940	1190	61	1940	1180	61	1	10-152/86
111-44-4	bis(2-Chloroethyl)ether	ND		1940	1130	58	1940	1040	54	8	10-147/86

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MS	6P513471.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
OP51350-MSD	6P513472.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
JD79126-1	6P513473.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79126-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		1940	1070	55	1940	1010	52	6	10-134/88
7005-72-3	4-Chlorophenyl phenyl ether	ND		1940	1140	59	1940	1150	59	1	10-142/87
121-14-2	2,4-Dinitrotoluene	ND		1940	1350	70	1940	1340	69	1	10-147/86
606-20-2	2,6-Dinitrotoluene	ND		1940	1370	71	1940	1350	70	1	10-147/88
91-94-1	3,3'-Dichlorobenzidine	ND		1940	1050	54	1940	1130	58	7	10-106/93
123-91-1	1,4-Dioxane	ND		1940	561	29	1940	480	25	16	10-102/85
53-70-3	Dibenzo(a,h)anthracene	ND		1940	1290	66	1940	1280	66	1	10-149/89
132-64-9	Dibenzofuran	ND		1940	1180	61	1940	1180	61	0	10-155/86
84-74-2	Di-n-butyl phthalate	ND		1940	1400	72	1940	1440	74	3	10-158/86
117-84-0	Di-n-octyl phthalate	ND		1940	1870	96	1940	1880	97	1	10-154/84
84-66-2	Diethyl phthalate	ND		1940	1270	65	1940	1270	65	0	10-148/84
131-11-3	Dimethyl phthalate	ND		1940	1210	62	1940	1220	63	1	10-144/85
117-81-7	bis(2-Ethylhexyl)phthalate	45.7	J	1940	1540	77	1940	1610	81	4	10-153/84
206-44-0	Fluoranthene	ND		1940	1270	65	1940	1250	64	2	10-165/93
86-73-7	Fluorene	ND		1940	1190	61	1940	1200	62	1	10-158/87
118-74-1	Hexachlorobenzene	ND		1940	1110	57	1940	1130	58	2	10-139/85
87-68-3	Hexachlorobutadiene	ND		1940	996	51	1940	970	50	3	10-139/88
77-47-4	Hexachlorocyclopentadiene	ND		3880	1540	40	3880	1370	35	12	10-116/30
67-72-1	Hexachloroethane	ND		1940	893	46	1940	835	43	7	10-141/93
193-39-5	Indeno(1,2,3-cd)pyrene	ND		1940	1280	66	1940	1270	65	1	10-160/91
78-59-1	Isophorone	ND		1940	1230	63	1940	1220	63	1	10-150/86
91-57-6	2-Methylnaphthalene	ND		1940	1150	59	1940	1150	59	0	10-145/86
88-74-4	2-Nitroaniline	ND		1940	1540	79	1940	1590	82	3	10-152/77
99-09-2	3-Nitroaniline	ND		1940	1120	58	1940	1140	59	2	10-136/83
100-01-6	4-Nitroaniline	ND		1940	1100	57	1940	1140	59	4	10-140/81
91-20-3	Naphthalene	ND		1940	1100	57	1940	1080	56	2	10-146/87
98-95-3	Nitrobenzene	ND		1940	1230	63	1940	1150	59	7	10-146/88
621-64-7	N-Nitroso-di-n-propylamine	ND		1940	1330	68	1940	1320	68	1	10-147/77
86-30-6	N-Nitrosodiphenylamine	ND		1940	1220	63	1940	1310	67	7	10-159/78
85-01-8	Phenanthrene	ND		1940	1220	63	1940	1210	62	1	10-158/95
129-00-0	Pyrene	17.7	J	1940	1240	63	1940	1290	66	4	10-176/90
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1940	1090	56	1940	1070	55	2	10-137/87

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51350-MS	6P513471.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
OP51350-MSD	6P513472.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065
JD79126-1	6P513473.D	1	12/24/23	RS	12/22/23	OP51350	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Surrogate Recoveries	MS	MSD	JD79126-1	Limits
367-12-4	2-Fluorophenol	63%	60%	62%	10-99%
4165-62-2	Phenol-d5	68%	69%	66%	10-96%
118-79-6	2,4,6-Tribromophenol	72%	74%	75%	10-123%
4165-60-0	Nitrobenzene-d5	66%	64%	65%	10-109%
321-60-8	2-Fluorobiphenyl	62%	64%	61%	11-109%
1718-51-0	Terphenyl-d14	64%	70%	66%	10-120%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-DFTPP
Lab File ID: 6P513200.D
Instrument ID: GCMS6P
Injection Date: 12/12/23
Injection Time: 02:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73352	49.1		Pass
68	Less than 2.0% of mass 69	1184	0.79	(1.74) [a]	Pass
69	Mass 69 relative abundance	68227	45.7		Pass
70	Less than 2.0% of mass 69	619	0.41	(0.91) [a]	Pass
127	40.0 - 60.0% of mass 198	77016	51.6		Pass
197	Less than 1.0% of mass 198	1428	0.96		Pass
198	Base peak, 100% relative abundance	149272	100.0		Pass
199	5.0 - 9.0% of mass 198	10464	7.01		Pass
275	10.0 - 30.0% of mass 198	40471	27.1		Pass
365	1.0 - 100.0% of mass 198	5208	3.49		Pass
441	Present, but less than mass 443	16389	11.0	(83.9) [b]	Pass
442	40.0 - 100.0% of mass 198	105744	70.8		Pass
443	17.0 - 23.0% of mass 442	19528	13.1	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4054-ICC4054	6P513202.D	12/12/23	02:46	00:36	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23	03:08	00:58	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23	03:30	01:20	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23	03:53	01:43	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23	04:15	02:05	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23	04:37	02:27	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23	05:00	02:50	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23	05:22	03:12	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23	05:45	03:35	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23	06:07	03:57	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23	06:29	04:19	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	E6P4055-DFTPP	**Injection Date:**	12/12/23
Lab File ID:	6P513214.D	**Injection Time:**	08:47
Instrument ID:	GCMS6P		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	46606	47.9		Pass
68	Less than 2.0% of mass 69	788	0.81	(1.88) [a]	Pass
69	Mass 69 relative abundance	41983	43.2		Pass
70	Less than 2.0% of mass 69	270	0.28	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	49451	50.8		Pass
197	Less than 1.0% of mass 198	868	0.89		Pass
198	Base peak, 100% relative abundance	97253	100.0		Pass
199	5.0 - 9.0% of mass 198	6791	6.98		Pass
275	10.0 - 30.0% of mass 198	26771	27.5		Pass
365	1.0 - 100.0% of mass 198	3604	3.71		Pass
441	Present, but less than mass 443	11500	11.8	(86.3) [b]	Pass
442	40.0 - 100.0% of mass 198	72365	74.4		Pass
443	17.0 - 23.0% of mass 442	13333	13.7	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4055-ICC4055	6P513215.D	12/12/23	09:00	00:13	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23	09:22	00:35	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23	09:43	00:56	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23	10:05	01:18	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23	10:26	01:39	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23	10:48	02:01	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23	11:09	02:22	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23	11:30	02:43	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23	11:52	03:05	Initial cal verification 50

Internal Standard Area Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: E6P4065-CC4054 **Injection Date:** 12/23/23
Lab File ID: 6P513455.D **Injection Time:** 20:42
Instrument ID: GCMS6P **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	133746	4.67	525775	5.38	276236	6.53	505958	7.72	453673	10.19	586129	11.59
Check Std [b]	141618	4.61	574504	5.32	293714	6.45	535920	7.63	544529	10.10	616139	11.48
Upper Limit [c]	283236	4.78	1149008	5.49	587428	6.62	1071840	7.80	1089058	10.27	1232278	11.65
Lower Limit [d]	70809	4.44	287252	5.15	146857	6.28	267960	7.46	272265	9.93	308070	11.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP51352-MB1	172976	4.61	698061	5.32	367961	6.45	653718	7.63	505172	10.10	548827	11.47
OP51352-BS1	183827	4.61	742094	5.32	384449	6.45	665853	7.63	588384	10.10	552254	11.47
OP51350-MB1	175555	4.61	714074	5.32	371986	6.45	671448	7.63	521281	10.10	540080	11.47
OP51350-BS1	167628	4.61	680329	5.32	348928	6.45	623185	7.63	541551	10.10	507667	11.47
JD79126-2	186363	4.61	768807	5.32	396700	6.45	703711	7.63	523520	10.10	536383	11.47
JD79126-3	183200	4.61	757381	5.32	393071	6.45	697515	7.63	523508	10.10	564185	11.48
JD79126-4	164280	4.61	670686	5.32	345431	6.45	621098	7.63	479723	10.10	489797	11.47
ZZZZZZ	173026	4.61	713057	5.32	372166	6.45	663630	7.63	506809	10.10	501122	11.47
ZZZZZZ	179439	4.61	732221	5.32	380035	6.45	672707	7.63	506177	10.10	512807	11.48
ZZZZZZ	187272	4.61	758173	5.32	390415	6.45	670534	7.63	510289	10.10	608446	11.48
OP51352-MS	187750	4.61	765833	5.33	390945	6.45	671434	7.64	539570	10.11	623737	11.49
OP51352-MSD	191215	4.61	778907	5.33	395947	6.45	687296	7.64	554329	10.11	642836	11.49
JD79233-2	177466	4.61	725492	5.33	375146	6.45	660579	7.64	538102	10.11	646088	11.49
OP51350-MS	176564	4.61	714559	5.33	362263	6.45	645927	7.64	598345	10.11	689235	11.50
OP51350-MSD	190584	4.61	758353	5.33	388305	6.45	663626	7.64	585859	10.11	696994	11.50
JD79126-1	188689	4.61	767152	5.33	387964	6.45	649263	7.64	594472	10.12	720161	11.51
ZZZZZZ	175117	4.61	707373	5.33	364497	6.46	640032	7.64	632803	10.12	731403	11.51
ZZZZZZ	187702	4.62	753635	5.33	388473	6.46	655541	7.65	670093	10.13	734501	11.52
OP51361-MS	228811	4.62	944010	5.33	492929	6.46	889470	7.65	814815	10.12	840919	11.51
OP51361-MSD	247366	4.62	1008956	5.33	508887	6.46	866093	7.65	753970	10.13	800154	11.52
JD79291-1	237996	4.62	955819	5.33	500038	6.46	885610	7.65	780582	10.13	854218	11.52

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E6P4054-ICC4054 6P513202.D 12/12/23 02:46
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD79126-1	6P513473.D	62	66	75	65	61	66
JD79126-2	6P513462.D	50	56	63	57	55	73
JD79126-3	6P513463.D	57	63	70	59	58	76
JD79126-4	6P513464.D	41	46	56	43	42	66
OP51350-BS1	6P513461.D	71	76	83	73	68	81
OP51350-MB1	6P513460.D	63	65	56	65	58	80
OP51350-MS	6P513471.D	63	68	72	66	62	64
OP51350-MSD	6P513472.D	60	69	74	64	64	70

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-99%
S2 = Phenol-d5	10-96%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	10-109%
S5 = 2-Fluorobiphenyl	11-109%
S6 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Initial Calibration

Calibration Files
2 =6p513204.D 5 =6p513205.D 25 =6p513207.D 80 =6p513208.D
100 =6p513209.D 50 =6p513202.D 1 =6p513203.D 10 =6p513206.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.435	0.488	0.444	0.527	0.512	0.443	0.497	0.524	0.484	7.86
3) Pyridine	1.250	1.242	1.223	1.438	1.444	1.251	1.449	1.424	1.340	7.91
4) N-Nitrosodim	0.606	0.610	0.608	0.737	0.745	0.647	0.674	0.713	0.668	8.79
5) 2-Fluorophen	1.021	1.136	1.054	1.286	1.287	1.210	1.205	1.203	1.175	8.37
6) Indene	2.137	2.160	1.904	2.393	2.467	2.239	2.311	2.202	2.227	7.78
7) Cumene	2.810	2.868	2.556	3.148	3.135	2.928	3.058	2.919	2.928	6.63
8) Phenol-d5	1.397	1.446	1.284	1.574	1.609	1.500	1.549	1.446	1.476	7.17
9) Phenol	1.562	1.564	1.376	1.687	1.719	1.610	1.636	1.608	1.595	6.53
10) Aniline	1.815	1.888	1.663	2.050	2.100	2.032	2.024	1.967	1.942	7.51
11) bis(2-Chloro	1.218	1.248	1.083	1.291	1.335	1.268	1.344	1.287	1.259	6.54
12) 2-Chlorophen	1.266	1.295	1.181	1.520	1.557	1.387	1.400	1.377	1.373	9.16
13) Decane	1.688	1.725	1.511	1.914	1.907	1.775	1.872	1.709	1.763	7.69
14) 1,3-Dichloro	1.402	1.458	1.277	1.566	1.574	1.482	1.483	1.450	1.461	6.45
15) 1,4-Dichloro	1.436	1.477	1.296	1.591	1.603	1.488	1.646	1.499	1.505	7.40
16) Benzyl alcoh	0.820	0.810	0.704	0.888	0.933	0.870	0.874	0.826	0.841	8.16
17) 1,2-Dichloro	1.373	1.370	1.218	1.488	1.513	1.410	1.475	1.407	1.407	6.62
18) Acetophenone	1.805	1.827	1.555	1.953	2.072	1.890	2.041	1.902	1.881	8.59
19) 2-Methylphen	1.093	1.121	0.983	1.198	1.251	1.167	1.246	1.155	1.152	7.62
20) 2,2'-oxybis(	0.385	0.383	0.332	0.417	0.435	0.395	0.431	0.390	0.396	8.31
21) 3&4-Methylph	1.193	1.166	1.045	1.319	1.375	1.273	1.297	1.241	1.239	8.33
22) n-Nitroso-di	0.890	0.883	0.753	0.990	1.072	0.961	1.023	0.933	0.938	10.50
23) Hexachloroet	0.490	0.460	0.415	0.517	0.523	0.489	0.483	0.476	0.482	7.05
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.309	0.317	0.300	0.365	0.367	0.343	0.351	0.320	0.334	7.76
26) Nitrobenzene	0.319	0.325	0.297	0.364	0.369	0.344	0.323	0.334	0.334	7.18
27) Quinoline	0.581	0.577	0.515	0.618	0.640	0.607	0.667	0.620	0.603	7.65
28) Isophorone	0.589	0.581	0.524	0.640	0.673	0.643	0.637	0.613	0.613	7.67
29) 2-Nitropheno	0.149	0.159	0.151	0.207	0.215	0.187	0.158	0.166	0.174	14.82
30) 2,4-Dimethyl	0.304	0.316	0.285	0.357	0.363	0.338	0.340	0.323	0.328	8.09
31) Benzoic acid		0.190	0.199	0.261	0.270	0.242		0.233	0.232	13.98
32) bis(2-Chloro	0.368	0.372	0.335	0.407	0.417	0.399	0.406	0.385	0.386	7.00
33) 2,4-Dichloro	0.254	0.258	0.233	0.292	0.297	0.272	0.256	0.260	0.265	7.87
34) 2,6-Dichloro	0.260	0.246	0.232	0.300	0.309	0.275	0.267	0.256	0.268	9.64
35) 1,3,5-Trichl	0.306	0.299	0.281	0.352	0.355	0.315	0.324	0.304	0.317	8.09
36) 1,2,4-Trichl	0.282	0.288	0.259	0.318	0.320	0.294	0.317	0.288	0.296	7.26
37) 1,2,3-Trichl	0.284	0.280	0.250	0.303	0.303	0.285	0.310	0.283	0.287	6.54
38) Naphthalene	0.984	0.995	0.878	1.075	1.090	1.012	1.031	0.990	1.007	6.46
39) 4-Chloroanil	0.379	0.379	0.357	0.462	0.475	0.424	0.401	0.396	0.409	10.22
40) 2,3-Dichloro	0.291	0.290	0.260	0.337	0.356	0.319	0.330	0.306	0.311	9.88
41) Hydroquinone	0.241	0.233	0.221	0.280	0.287	0.272	0.352	0.253	0.267	15.38
42) Hexachlorobu	0.164	0.162	0.141	0.178	0.179	0.167	0.167	0.160	0.165	7.25
43) 4-Chloro-3-m	0.246	0.250	0.223	0.277	0.282	0.273	0.273	0.260	0.261	7.66
44) 2-Methylnaph	0.548	0.549	0.502	0.618	0.644	0.587	0.620	0.571	0.580	8.06
45) 1-Methylnaph	0.582	0.572	0.508	0.642	0.666	0.578	0.624	0.589	0.595	8.22

```
46) I   Acenaphthene-d10      ----------------ISTD---------------------
47) Hexachlorocy       0.240 0.243 0.331 0.341 0.297       0.248 0.283  16.22
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.00114 + 0.23412 *A + 0.02250 *A^2

48) 1,2,4,5-tetr 0.546 0.573 0.511 0.617 0.621 0.566 0.592 0.556 0.573   6.41
49) 2,4,6-Trichl 0.333 0.364 0.327 0.417 0.440 0.387 0.368 0.367 0.375  10.22
50) 2,4,5-Trichl 0.353 0.371 0.355 0.424 0.413 0.384 0.420 0.387 0.388   7.25
51) 2-Fluorobiph 1.320 1.374 1.217 1.476 1.487 1.381 1.502 1.366 1.390   6.93
52) 2-Chloronaph 1.117 1.162 1.019 1.217 1.218 1.128 1.187 1.137 1.148   5.65
53) Biphenyl     1.488 1.513 1.374 1.673 1.697 1.540 1.589 1.541 1.552   6.65
54) 2-Nitroanili 0.284 0.288 0.278 0.357 0.364 0.341 0.323 0.298 0.317  10.79
55) Dimethylphth 1.225 1.259 1.114 1.348 1.384 1.313 1.360 1.302 1.288   6.82
56) Acenaphthyle 1.358 1.416 1.278 1.571 1.588 1.471 1.506 1.432 1.453   7.21
57) 2,6-Dinitrot 0.192 0.214 0.217 0.289 0.293 0.275 0.238 0.236 0.244  15.43
58) 3-Nitroanili 0.239 0.253 0.261 0.338 0.347 0.312 0.261 0.288 0.287  14.20
59) Acenaphthene 1.241 1.258 1.146 1.420 1.453 1.312 1.349 1.294 1.309   7.57
60) 2,4-Dinitrop 0.075 0.096 0.119 0.194 0.201 0.176       0.126 0.141  35.11
            ---- Quadratic regression ----  Coefficient =  0.9971
              Response Ratio = -0.00642 + 0.12539 *A + 0.01637 *A^2

61) 4-Nitropheno 0.129 0.130 0.138 0.182 0.186 0.170 0.150 0.156 0.155  14.46
62) Dibenzofuran 1.552 1.603 1.429 1.767 1.837 1.618 1.769 1.620 1.649   8.11
63) 2,4-Dinitrot 0.260 0.293 0.298 0.405 0.435 0.380 0.290 0.324 0.336  18.76
64) 2,3,4,6-Tetr 0.294 0.316 0.281 0.359 0.366 0.347 0.355 0.317 0.329   9.63
65) Diethylphtha 1.203 1.194 1.095 1.380 1.435 1.333 1.368 1.290 1.287   8.90
66) Fluorene     1.227 1.290 1.135 1.454 1.499 1.345 1.385 1.289 1.328   8.96
67) 4-Chlorophen 0.587 0.589 0.518 0.657 0.680 0.615 0.673 0.606 0.615   8.74
68) 4-Nitroanili 0.259 0.264 0.270 0.340 0.346 0.320 0.259 0.302 0.295  12.39

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.084 0.095 0.132 0.140 0.126       0.091 0.111  21.75
            ---- Quadratic regression ----  Coefficient =  0.9982
              Response Ratio = -0.00292 + 0.09941 *A + 0.01721 *A^2

71) n-Nitrosodip 0.555 0.646 0.537 0.647 0.670 0.606 0.623 0.583 0.609   7.72
72) 1,2-Diphenyl 0.672 0.769 0.646 0.766 0.798 0.725 0.704 0.708 0.723   7.16
73) pentachloron 0.028 0.036 0.032 0.044 0.046 0.041       0.036 0.038# 17.33
74) 2,4,6-Tribro 0.088 0.110 0.088 0.109 0.113 0.104 0.094 0.095 0.100  10.02
75) 4-Bromopheny 0.165 0.206 0.164 0.201 0.211 0.195 0.198 0.186 0.191   9.39
76) Hexachlorobe 0.233 0.254 0.206 0.248 0.256 0.237 0.247 0.229 0.239   6.95
77) Pentachlorop 0.125 0.147 0.131 0.181 0.195 0.167       0.139 0.155  16.98
78) Phenanthrene 1.021 1.005 0.909 1.112 1.158 1.062 1.150 1.038 1.057   7.85
79) Anthracene   0.999 0.980 0.919 1.136 1.181 1.073 1.093 1.042 1.053   8.15
80) Carbazole    0.894 0.915 0.832 1.035 1.074 0.996 0.974 0.945 0.958   8.20
81) Di-n-butylph 1.007 1.014 0.997 1.290 1.386 1.245 1.162 1.132 1.154  12.54
82) Fluoranthene 0.876 0.987 0.952 1.243 1.309 1.114 1.051 1.091 1.078  13.47
83) Octadecane   0.474 0.528 0.447 0.563 0.591 0.536 0.505 0.472 0.514   9.56

84) I   Chrysene-d12          ----------------ISTD---------------------
85) benzidine    0.381 0.420 0.442 0.659       0.570       0.443 0.486  21.80
            ---- Quadratic regression ----  Coefficient =  0.9993
              Response Ratio = 0.00067 + 0.38164 *A + 0.13973 *A^2

86) Pyrene       1.214 1.252 1.115 1.216 1.257 1.301 1.318 1.224 1.237   5.05
87) Terphenyl-d1 0.927 0.990 0.863 0.957 1.009 0.973 0.972 0.971 0.958   4.72
88) Butylbenzylp 0.425 0.462 0.444 0.532 0.552 0.535 0.487 0.484 0.490   9.43
89) Benzo[a]anth 1.185 1.196 1.100 1.274 1.273 1.225 1.373 1.238 1.233   6.44
90) 3,3'-Dichlor 0.361 0.383 0.388 0.482 0.478 0.452 0.426 0.419 0.424  10.60
```

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

```
 91) Chrysene     1.131 1.161 1.027 1.158 1.147 1.113 1.254 1.174 1.146   5.55
 92) bis(2-Ethylh 0.704 0.727 0.724 0.878 0.906 0.877 0.881 0.813 0.814  10.25

 93) I   Perylene-d12          ----------------ISTD--------------------
 94) Di-n-octylph 0.827 0.877 0.934 1.223       1.103 0.908 1.032 0.986  14.23
 95) Benzo[b]fluo 1.008 1.036 1.019 1.353 1.365 1.216 1.129 1.149 1.159  12.28
 96) Benzo[k]fluo 0.949 0.968 0.899 1.072 1.174 1.023 1.013 0.988 1.011   8.30
 97) Benzo[a]pyre 0.821 0.864 0.805 1.020 1.055 0.941 1.052 0.898 0.932  10.85
 98) Indeno[1,2,3 1.174 1.210 1.131 1.400 1.380 1.281 1.502 1.178 1.282  10.31
 99) Dibenz(a,h)a 0.819 0.869 0.809 1.022 1.003 0.930 1.054 0.855 0.920  10.44
100) Dibenz[a,h]a 1.048 1.068 0.998 1.237 1.238 1.126 1.302 1.048 1.133   9.85
101) 7,12-Dimethy 0.353 0.368 0.373 0.509 0.543 0.475       0.411 0.433  17.44
102) Benzo[g,h,i] 1.084 1.076 0.986 1.179 1.152 1.097 1.285 1.032 1.111   8.37


 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M6P4054.M         Sat Dec 16 09:23:58 2023
```

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513210.D Vial: 11
Acq On : 12 Dec 2023 5:45 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	4.67
2	t	1,4-Dioxane	0.484	0.557	-15.1	109	0.00	2.96
6	t	Indene	2.227	2.520	-13.2	98	0.00	4.81
7	t	Cumene	2.928	3.325	-13.6	99	0.00	4.23
11	t	bis(2-Chloroethyl)ether	1.259	1.376	-9.3	94	0.00	4.51
13	t	Decane	1.763	1.965	-11.5	96	0.00	4.55
14	t	1,3-Dichlorobenzene	1.461	1.657	-13.4	97	0.00	4.64
15	t	1,4-Dichlorobenzene	1.505	1.687	-12.1	99	0.00	4.68
16	t	Benzyl alcohol	0.841	0.918	-9.2	92	0.00	4.74
17	t	1,2-Dichlorobenzene	1.407	1.571	-11.7	97	0.00	4.76
18	t	Acetophenone	1.881	1.972	-4.8	91	0.00	4.89
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.435	-9.8	96	0.00	4.80
23	t	Hexachloroethane	0.482	0.545	-13.1	97	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	83	0.00	5.38
26	t	Nitrobenzene	0.334	0.380	-13.8	92	0.00	4.98
27	t	Quinoline	0.603	0.683	-13.3	94	-0.02	5.60
28	t	Isophorone	0.613	0.700	-14.2	90	-0.01	5.11
32	t	bis(2-Chloroethoxy)methan	0.386	0.430	-11.4	90	0.00	5.22
35		1,3,5-Trichlorobenzene	0.317	0.361	-13.9	95	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.296	0.340	-14.9	96	0.00	5.34
37		1,2,3-Trichlorobenzene	0.287	0.323	-12.5	94	0.00	5.48
38	t	Naphthalene	1.007	1.151	-14.3	95	0.00	5.39
40	t	2,3-Dichloroaniline	0.311	0.328	-5.5	85	0.00	6.00
42	t	Hexachlorobutadiene	0.165	0.189	-14.5	94	0.00	5.45
44	t	2-Methylnaphthalene	0.580	0.652	-12.4	92	0.00	5.82
45	t	1-Methylnaphthalene	0.595	0.639	-7.4	92	0.00	5.88
46	I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00	6.53
		---------- True Calc. % Drift ----------						
47	t	Hexachlorocyclopentadiene	100.000	121.846	-21.8	95	0.00	5.90
		---------- AvgRF CCRF % Dev ----------						
48		1,2,4,5-tetrachlorobenzen	0.573	0.669	-16.8	91	0.00	5.92
52	t	2-Chloronaphthalene	1.148	1.344	-17.1	91	0.00	6.14
53	t	Biphenyl	1.552	1.804	-16.2	90	0.00	6.12
55	t	Dimethylphthalate	1.288	1.450	-12.6	85	0.00	6.32
56	t	Acenaphthylene	1.453	1.701	-17.1	89	0.00	6.43

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

57	t	2,6-Dinitrotoluene	0.244	0.293	-20.1	82	0.00	6.37
59	t	Acenaphthene	1.309	1.527	-16.7	89	0.00	6.55
			AvgRF	CCRF	% Dev			
62	t	Dibenzofuran	1.649	1.872	-13.5	89	0.00	6.68
63	t	2,4-Dinitrotoluene	0.336	0.381	-13.4	77	0.00	6.66
65	t	Diethylphthalate	1.287	1.459	-13.4	84	-0.01	6.83
66	t	Fluorene	1.328	1.531	-15.3	87	0.00	6.94
67	t	4-Chlorophenyl-phenylethe	0.615	0.693	-12.7	86	0.00	6.93
69	I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00	7.72
			AvgRF	CCRF	% Dev			
72	t	1,2-Diphenylhydrazine	0.723	0.844	-16.7	85	0.00	7.06
73		pentachloronitrobenzene	0.038	0.043#	-13.2	78	0.00	7.54
75	t	4-Bromophenyl-phenylether	0.191	0.223	-16.8	83	0.00	7.33
76	t	Hexachlorobenzene	0.239	0.269	-12.6	83	0.00	7.37
78	t	Phenanthrene	1.057	1.216	-15.0	83	0.00	7.74
79	t	Anthracene	1.053	1.219	-15.8	83	0.00	7.79
80	t	Carbazole	0.958	1.120	-16.9	82	0.00	7.92
81	t	Di-n-butylphthalate	1.154	1.350	-17.0	79	0.00	8.22
82	t	Fluoranthene	1.078	1.291	-19.8	84	0.00	8.82
83	t	Octadecane	0.514	0.609	-18.5	83	0.00	7.58
84	I	Chrysene-d12	1.000	1.000	0.0	77	0.00	10.19
			AvgRF	CCRF	% Dev			
86	t	Pyrene	1.237	1.415	-14.4	83	0.00	9.03
88	t	Butylbenzylphthalate	0.490	0.593	-21.0	85	0.00	9.64
89	t	Benzo[a]anthracene	1.233	1.401	-13.6	88	0.00	10.18
91	t	Chrysene	1.146	1.333	-16.3	92	0.00	10.21
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.953	-17.1	83	0.00	10.19
93	I	Perylene-d12	1.000	1.000	0.0	73	0.00	11.58
94	t	Di-n-octylphthalate	0.986	1.261	-27.9	84	0.00	10.80
95	t	Benzo[b]fluoranthene	1.159	1.345	-16.0	81	0.00	11.19
96	t	Benzo[k]fluoranthene	1.011	1.235	-22.2	88	0.00	11.22
97	t	Benzo[a]pyrene	0.932	1.098	-17.8	86	0.00	11.52
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.565	-22.1	90	0.00	12.87
99	t	Dibenz(a,h)acridine	0.920	1.122	-22.0	88	0.00	12.56
100	t	Dibenz[a,h]anthracene	1.133	1.372	-21.1	89	0.00	12.90
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.510	-17.8	79	0.00	11.18
102	t	Benzo[g,h,i]perylene	1.111	1.341	-20.7	90	0.00	13.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:19 2023

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513211.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513211.D Vial: 12
Acq On : 12 Dec 2023 6:07 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	4.67
9	t	Phenol	1.595	1.533	3.9	95	0.00	4.45
12	t	2-Chlorophenol	1.373	1.338	2.5	97	0.00	4.55
19	t	2-Methylphenol	1.152	1.125	2.3	97	0.00	4.78
21	t	3&4-Methylphenol	1.239	1.254	-1.2	99	0.00	4.87
24	I	Naphthalene-d8	1.000	1.000	0.0	100	0.00	5.38
29	t	2-Nitrophenol	0.174	0.173	0.6	92	0.00	5.16
30	t	2,4-Dimethylphenol	0.328	0.330	-0.6	97	0.00	5.16
31	t	Benzoic acid	0.232	0.244	-5.2	100	0.00	5.26
33	t	2,4-Dichlorophenol	0.265	0.263	0.8	96	0.00	5.28
34	t	2,6-Dichlorophenol	0.268	0.265	1.1	96	0.00	5.42
41	t	Hydroquinone	0.267	0.284	-6.4	104	0.00	5.66
43	t	4-Chloro-3-methylphenol	0.261	0.258	1.1	94	0.00	5.70
46	I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00	6.53
		----------	AvgRF	CCRF	% Dev		----------	
49	t	2,4,6-Trichlorophenol	0.375	0.408	-8.8	98	0.00	5.99
50	t	2,4,5-Trichlorophenol	0.388	0.378	2.6	91	0.00	6.02
		----------	True	Calc.	% Drift		----------	
60	t	2,4-Dinitrophenol	100.000	102.318	-2.3	89	0.00	6.57
		----------	AvgRF	CCRF	% Dev		----------	
61	t	4-Nitrophenol	0.155	0.172	-11.0	94	0.00	6.59
64		2,3,4,6-Tetrachlorophenol	0.329	0.346	-5.2	92	0.00	6.76
69	I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00	7.72
		----------	True	Calc.	% Drift		----------	
70	t	4,6-Dinitro-2-methylpheno	50.000	49.385	1.2	88	-0.01	6.97
77	t	Pentachlorophenol	0.155	0.161	-3.9	92	0.00	7.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:23 2023

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513212.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513212.D Vial: 13
Acq On : 12 Dec 2023 6:29 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	4.67
3 t	Pyridine	1.340	1.316	1.8	114	0.00	3.19
4 t	N-Nitrosodimethylamine	0.668	0.696	-4.2	117	0.00	3.16
10	Aniline	1.942	1.977	-1.8	106	0.00	4.49
22 t	n-Nitroso-di-n-propylamin	0.938	0.904	3.6	102	-0.01	4.88
24 I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	5.38
39 t	4-Chloroaniline	0.409	0.398	2.7	103	0.00	5.42
46 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	6.53
54 t	2-Nitroaniline	0.317	0.322	-1.6	99	0.00	6.21
58 t	3-Nitroaniline	0.287	0.315	-9.8	106	-0.01	6.50
68 t	4-Nitroaniline	0.295	0.297	-0.7	97	-0.01	6.96
69 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	7.72
	---------- True Calc. % Drift ----------						
	---------- AvgRF CCRF % Dev ----------						
71 t	n-Nitrosodiphenylamine	0.609	0.620	-1.8	106	0.00	7.02
84 I	Chrysene-d12	1.000	1.000	0.0	94	0.00	10.18
	---------- True Calc. % Drift ----------						
85	benzidine	50.000	64.151	-28.3	129	0.00	8.95
90 t	3,3'-Dichlorobenzidine	0.424	0.492	-16.0	102	0.00	10.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:27 2023

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICC4055
Lab FileID: 6P513215.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4055.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Initial Calibration

Calibration Files
2 =6p513217.D 5 =6p513219.D 25 =6p513218.D 80 =6p513222.D
100 =6p513221.D 50 =6p513215.D 1 =6p513216.D 10 =6p513220.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
103) 1,4-Dichlorobenzene-d	ISTD								
104) Benzaldehyde	1.254	1.009	1.016	1.103	1.404	1.109	0.924	1.038	1.107 13.91
105) Phenanthrene-d10a	ISTD								
106) Atrazine	0.095	0.070	0.080	0.092	0.117	0.090	0.076	0.069	0.086 18.28
107) I Naphthalene-d8a	ISTD								
108) Caprolactam	0.164	0.115	0.125	0.138	0.171	0.136	0.103	0.116	0.134 17.96
109) Phenanthrene-d10b	ISTD								
110) 1-chloroocta	0.271	0.241	0.290	0.336		0.319	0.222	0.237	0.274 15.91
111) o-terphenyl	0.595	0.483	0.503	0.577	0.741	0.552	0.461	0.434	0.543 18.04

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4054.M Sat Dec 16 10:28:35 2023

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICV4055
Lab FileID: 6P513223.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4055\6p513223.D Vial: 10
Acq On : 12 Dec 2023 11:52 am Operator: kaleigh
Sample : icv4055-50 Inst : GCMS6P
Misc : op50594,e6p4055,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.67
104	Benzaldehyde	1.107	1.124	-1.5	96	0.00	4.44
105	Phenanthrene-d10a	1.000	1.000	0.0	100	0.00	7.71
106	Atrazine	0.086	0.090	-4.7	101	0.00	7.45
107 I	Naphthalene-d8a	1.000	1.000	0.0	96	0.00	5.38
108 T	Caprolactam	0.134	0.140	-4.5	99	0.00	5.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513215a.D M6P4054.M Sat Dec 16 10:28:52 2023

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4065\6p513455.d Vial: 2
Acq On : 23 Dec 2023 8:42 pm Operator: rocquans
Sample : cc4054-50 Inst : GCMS6P
Misc : op50815,e6p4065,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Mon Dec 25 12:45:19 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.61
2	t	1,4-Dioxane	0.484	0.525	-8.5	126	0.00	2.82
3	t	Pyridine	1.340	1.449	-8.1	123	0.00	3.06
4	t	N-Nitrosodimethylamine	0.668	0.751	-12.4	123	0.00	3.04
5	S	2-Fluorophenol	1.175	1.236	-5.2	108	0.00	3.87
6	t	Indene	2.227	2.401	-7.8	114	0.00	4.75
7	t	Cumene	2.928	3.137	-7.1	113	0.00	4.16
8	S	Phenol-d5	1.476	1.618	-9.6	114	0.00	4.39
9	t	Phenol	1.595	1.740	-9.1	114	0.00	4.39
10		Aniline	1.942	2.115	-8.9	110	0.00	4.43
11	t	bis(2-Chloroethyl)ether	1.259	1.374	-9.1	115	0.00	4.46
12	t	2-Chlorophenol	1.373	1.494	-8.8	114	0.00	4.49
13	t	Decane	1.763	2.231	-26.5#	133	0.00	4.49
14	t	1,3-Dichlorobenzene	1.461	1.490	-2.0	106	0.00	4.58
15	t	1,4-Dichlorobenzene	1.505	1.534	-1.9	109	0.00	4.62
16	t	Benzyl alcohol	0.841	0.900	-7.0	110	0.00	4.68
17	t	1,2-Dichlorobenzene	1.407	1.430	-1.6	107	0.00	4.70
18	t	Acetophenone	1.881	2.024	-7.6	113	0.00	4.83
19	t	2-Methylphenol	1.152	1.264	-9.7	115	0.00	4.73
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.420	-6.1	112	0.00	4.75
21	t	3&4-Methylphenol	1.239	1.406	-13.5	117	0.00	4.82
22	t	n-Nitroso-di-n-propylamin	0.938	1.132	-20.7#	125	0.00	4.83
23	t	Hexachloroethane	0.482	0.477	1.0	103	0.00	4.89
24	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00	5.32
25	S	Nitrobenzene-d5	0.334	0.376	-12.6	120	0.00	4.92
26	t	Nitrobenzene	0.334	0.374	-12.0	119	0.00	4.93
27	t	Quinoline	0.603	0.609	-1.0	110	0.00	5.55
28	t	Isophorone	0.613	0.670	-9.3	114	0.00	5.06
29	t	2-Nitrophenol	0.174	0.198	-13.8	115	0.00	5.11
30	t	2,4-Dimethylphenol	0.328	0.360	-9.8	117	0.00	5.11
31	t	Benzoic acid	0.232	0.204	12.1	92	0.00	5.19
32	t	bis(2-Chloroethoxy)methan	0.386	0.411	-6.5	113	0.00	5.16
33	t	2,4-Dichlorophenol	0.265	0.268	-1.1	108	0.00	5.23
34	t	2,6-Dichlorophenol	0.268	0.276	-3.0	110	0.00	5.36
35		1,3,5-Trichlorobenzene	0.317	0.315	0.6	109	0.00	5.10
36	t	1,2,4-Trichlorobenzene	0.296	0.285	3.7	106	0.00	5.28
37		1,2,3-Trichlorobenzene	0.287	0.271	5.6	104	0.00	5.41
38	t	Naphthalene	1.007	1.027	-2.0	111	0.00	5.34
39	t	4-Chloroaniline	0.409	0.425	-3.9	110	0.00	5.36
40	t	2,3-Dichloroaniline	0.311	0.319	-2.6	109	0.00	5.93
41	t	Hydroquinone	0.267	0.250	6.4	101	0.00	5.55

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

42	t	Hexachlorobutadiene	0.165	0.155	6.1	102	0.00	5.38
43	t	4-Chloro-3-methylphenol	0.261	0.284	-8.8	113	0.00	5.64
44	t	2-Methylnaphthalene	0.580	0.600	-3.4	112	0.00	5.75
45	t	1-Methylnaphthalene	0.595	0.622	-4.5	118	0.00	5.81
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	6.45
			True	Calc.	% Drift			
47	t	Hexachlorocyclopentadiene	100.000	103.907	-3.9	109	0.00	5.83
			AvgRF	CCRF	% Dev			
48		1,2,4,5-tetrachlorobenzen	0.573	0.543	5.2	102	0.00	5.85
49	t	2,4,6-Trichlorophenol	0.375	0.371	1.1	102	0.00	5.92
50	t	2,4,5-Trichlorophenol	0.388	0.387	0.3	107	0.00	5.95
51	S	2-Fluorobiphenyl	1.390	1.393	-0.2	107	0.00	5.98
52	t	2-Chloronaphthalene	1.148	1.140	0.7	108	0.00	6.07
53	t	Biphenyl	1.552	1.583	-2.0	109	0.00	6.05
54	t	2-Nitroaniline	0.317	0.397	-25.2#	124	0.00	6.14
55	t	Dimethylphthalate	1.288	1.283	0.4	104	0.00	6.25
56	t	Acenaphthylene	1.453	1.515	-4.3	109	0.00	6.35
57	t	2,6-Dinitrotoluene	0.244	0.275	-12.7	106	0.00	6.30
58	t	3-Nitroaniline	0.287	0.316	-10.1	108	0.00	6.43
59	t	Acenaphthene	1.309	1.388	-6.0	112	0.00	6.48
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	112.397	-12.4	115	0.00	6.50
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.180	-16.1	113	0.00	6.52
62	t	Dibenzofuran	1.649	1.672	-1.4	110	0.00	6.60
63	t	2,4-Dinitrotoluene	0.336	0.391	-16.4	110	0.00	6.59
64		2,3,4,6-Tetrachlorophenol	0.329	0.325	1.2	100	0.00	6.68
65	t	Diethylphthalate	1.287	1.364	-6.0	109	0.00	6.75
66	t	Fluorene	1.328	1.380	-3.9	109	0.00	6.86
67	t	4-Chlorophenyl-phenylethe	0.615	0.594	3.4	103	0.00	6.84
68	t	4-Nitroaniline	0.295	0.296	-0.3	99	0.00	6.89
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	7.63
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	54.687	-9.4	111	0.00	6.90
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.609	0.622	-2.1	109	0.00	6.94
72	t	1,2-Diphenylhydrazine	0.723	0.853	-18.0	125	0.00	6.97
73		pentachloronitrobenzene	0.038	0.042#	-10.5	110	0.00	7.46
74	S	2,4,6-Tribromophenol	0.100	0.113	-13.0	114	0.00	7.05
75	t	4-Bromophenyl-phenylether	0.191	0.195	-2.1	106	0.00	7.24
76	t	Hexachlorobenzene	0.239	0.227	5.0	101	0.00	7.29
77	t	Pentachlorophenol	0.155	0.160	-3.2	102	0.00	7.45
78	t	Phenanthrene	1.057	1.078	-2.0	108	0.00	7.65
79	t	Anthracene	1.053	1.087	-3.2	107	0.00	7.69
80	t	Carbazole	0.958	0.988	-3.1	105	0.00	7.84
81	t	Di-n-butylphthalate	1.154	1.292	-12.0	110	0.00	8.12
82	t	Fluoranthene	1.078	1.157	-7.3	110	0.00	8.73
83	t	Octadecane	0.514	0.658	-28.0#	130	0.00	7.48
84	I	Chrysene-d12	1.000	1.000	0.0	120	0.00	10.10
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

85		benzidine	50.000	57.419	-14.8	141	0.00	8.86
			AvgRF	CCRF	% Dev			
86	t	Pyrene	1.237	1.206	2.5	111	0.00	8.94
87	S	Terphenyl-d14	0.958	0.925	3.4	114	0.00	9.08
88	t	Butylbenzylphthalate	0.490	0.545	-11.2	122	0.00	9.55
89	t	Benzo[a]anthracene	1.233	1.282	-4.0	126	0.00	10.09
90	t	3,3'-Dichlorobenzidine	0.424	0.436	-2.8	116	0.00	10.07
91	t	Chrysene	1.146	1.108	3.3	120	0.00	10.12
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.955	-17.3	131	0.00	10.09
93	I	Perylene-d12	1.000	1.000	0.0	105	0.00	11.48
94	t	Di-n-octylphthalate	0.986	1.259	-27.7#	120	0.00	10.70
95	t	Benzo[b]fluoranthene	1.159	1.269	-9.5	110	0.00	11.09
96	t	Benzo[k]fluoranthene	1.011	1.012	-0.1	104	0.00	11.12
97	t	Benzo[a]pyrene	0.932	0.949	-1.8	106	0.00	11.42
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.280	0.2	105	0.00	12.72
99	t	Dibenz(a,h)acridine	0.920	0.925	-0.5	105	0.00	12.42
100	t	Dibenz[a,h]anthracene	1.133	1.138	-0.4	106	0.00	12.74
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.462	-6.7	102	0.00	11.08
102	t	Benzo[g,h,i]perylene	1.111	1.068	3.9	102	0.00	13.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513456.d M6P4054.M Mon Dec 25 12:45:31 2023

7.2.7

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4055
Lab FileID: 6P513456.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4065\6p513456.d Vial: 3
Acq On : 23 Dec 2023 9:02 pm Operator: rocquans
Sample : cc4055-50 Inst : GCMS6P
Misc : op50815,e6p4065,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Mon Dec 25 12:45:19 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	167	0.00	4.61
104	Benzaldehyde	1.107	1.142	-3.2	172	0.00	4.37
105	Phenanthrene-d10a	1.000	1.000	0.0	188	0.00	7.63
106	Atrazine	0.086	0.095	-10.5	200	0.00	7.37
107 I	Naphthalene-d8a	1.000	1.000	0.0	174	0.00	5.32
108 T	Caprolactam	0.134	0.170	-26.9#	218#	0.00	5.58
109	Phenanthrene-d10b	1.000	1.000	0.0	188	0.00	7.63
110 s	1-chlorooctadecane	0.274	0.429	-56.6#	253#	0.00	8.58
111 s	o-terphenyl	0.543	0.577	-6.3	196	0.00	7.95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513456.d M6P4054.M Mon Dec 25 12:45:33 2023

7.7.8

7

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4054	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4054-DFTPP	6P513200.D	12/12/23 02:10	n/a	DFTPP Tune
E6P4054-ICC4054	6P513202.D	12/12/23 02:46	n/a	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23 03:08	n/a	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23 03:30	n/a	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23 03:53	n/a	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23 04:15	n/a	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23 04:37	n/a	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23 05:00	n/a	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23 05:22	n/a	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23 05:45	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23 06:07	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23 06:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4055	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4055-DFTPP	6P513214.D	12/12/23 08:47	n/a	DFTPP Tune
E6P4055-ICC4055	6P513215.D	12/12/23 09:00	n/a	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23 09:22	n/a	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23 09:43	n/a	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23 10:05	n/a	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23 10:26	n/a	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23 10:48	n/a	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23 11:09	n/a	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23 11:30	n/a	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23 11:52	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4065	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4065-CC4054	6P513455.D	12/23/23 20:42	n/a	Continuing cal 50
E6P4065-CC4055	6P513456.D	12/23/23 21:02	n/a	Continuing cal 50
OP51352-MB1	6P513458.D	12/23/23 22:48	OP51352	Method Blank
OP51352-BS1	6P513459.D	12/23/23 23:07	OP51352	Blank Spike
OP51350-MB1	6P513460.D	12/23/23 23:26	OP51350	Method Blank
OP51350-BS1	6P513461.D	12/23/23 23:46	OP51350	Blank Spike
JD79126-2	6P513462.D	12/24/23 00:05	OP51350	SB111 (2.5-3)
JD79126-3	6P513463.D	12/24/23 00:24	OP51350	SB108 (3.5'-4')
JD79126-4	6P513464.D	12/24/23 00:44	OP51350	SB107 (6.5'-7')
ZZZZZZ	6P513465.D	12/24/23 01:03	OP51361	(unrelated sample)
ZZZZZZ	6P513466.D	12/24/23 01:22	OP51361	(unrelated sample)
ZZZZZZ	6P513467.D	12/24/23 01:42	OP51361	(unrelated sample)
OP51352-MS	6P513468.D	12/24/23 02:01	OP51352	Matrix Spike
OP51352-MSD	6P513469.D	12/24/23 02:21	OP51352	Matrix Spike Duplicate
JD79233-2	6P513470.D	12/24/23 02:40	OP51352	(used for QC only; not part of job JD79126)
OP51350-MS	6P513471.D	12/24/23 02:59	OP51350	Matrix Spike
OP51350-MSD	6P513472.D	12/24/23 03:19	OP51350	Matrix Spike Duplicate
JD79126-1	6P513473.D	12/24/23 03:38	OP51350	SB112 (6-6.5)
ZZZZZZ	6P513474.D	12/24/23 03:57	OP51350	(unrelated sample)
ZZZZZZ	6P513475.D	12/24/23 04:17	OP51350	(unrelated sample)
OP51361-MS	6P513476.D	12/24/23 04:36	OP51361	Matrix Spike
OP51361-MSD	6P513477.D	12/24/23 04:55	OP51361	Matrix Spike Duplicate
JD79291-1	6P513478.D	12/24/23 05:15	OP51361	(used for QC only; not part of job JD79126)

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51354-MB1	6G94812.D	1	12/27/23	CP	12/22/23	OP51354	G6G3519

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	112%	66-150%
877-09-8	Tetrachloro-m-xylene	138%	66-150%
2051-24-3	Decachlorobiphenyl	104%	40-150%
2051-24-3	Decachlorobiphenyl	117%	40-150%

Method Blank Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51355-MB1	RM17541.D	1	12/26/23	RK	12/21/23	OP51355	GRM390

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.7	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.3	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	6.9	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.0	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	111%	42-159%
877-09-8	Tetrachloro-m-xylene	129%	42-159%
2051-24-3	Decachlorobiphenyl	89%	18-154%
2051-24-3	Decachlorobiphenyl	87%	18-154%

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51354-BS1	6G94813.D	1	12/27/23	CP	12/22/23	OP51354	G6G3519

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	7.1	142	75-150
319-84-6	alpha-BHC	5	6.7	134	72-150
319-85-7	beta-BHC	5	6.3	126	75-150
319-86-8	delta-BHC	5	6.4	128	58-150
58-89-9	gamma-BHC (Lindane)	5	6.3	126	72-150
5103-71-9	alpha-Chlordane	5	7.1	142	68-150
5103-74-2	gamma-Chlordane	5	7.1	142	72-150
60-57-1	Dieldrin	5	6.8	136	72-150
72-54-8	4,4'-DDD	5	4.9	98	67-150
72-55-9	4,4'-DDE	5	6.3	126	72-150
50-29-3	4,4'-DDT	5	5.3	106	48-150
72-20-8	Endrin	5	6.6	132	73-150
1031-07-8	Endosulfan sulfate	5	6.8	136	69-150
7421-93-4	Endrin aldehyde	5	7.4	148 [a]	36-150
959-98-8	Endosulfan-I	5	6.7	134	70-150
33213-65-9	Endosulfan-II	5	6.7	134	75-150
76-44-8	Heptachlor	5	6.2	124 [a]	70-150
1024-57-3	Heptachlor epoxide	5	5.0	100	73-150
72-43-5	Methoxychlor	5	6.8	136 [a]	54-150
53494-70-5	Endrin ketone	5	6.3	126	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	145%	66-150%
877-09-8	Tetrachloro-m-xylene	173%* [b]	66-150%
2051-24-3	Decachlorobiphenyl	105%	40-150%
2051-24-3	Decachlorobiphenyl	152%* [b]	40-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
(b) Outside of in house control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51355-BS1	RM17542.D	1	12/26/23	RK	12/21/23	OP51355	GRM390

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	40	41.0	103	74-153
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	40	36.4	91	68-147
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	120%	42-159%
877-09-8	Tetrachloro-m-xylene	134%	42-159%
2051-24-3	Decachlorobiphenyl	95%	18-154%
2051-24-3	Decachlorobiphenyl	92%	18-154%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51354-MS	6G94826.D	5	12/27/23	CP	12/22/23	OP51354	G6G3519
OP51354-MSD	6G94827.D	5	12/27/23	CP	12/22/23	OP51354	G6G3519
JD79261-3	6G94828.D	5	12/27/23	CP	12/22/23	OP51354	G6G3519
JD79261-3	5G134587.D	25	12/28/23	CP	12/22/23	OP51354	G5G3468

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79261-3 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		5.42	5.1	94	5.42	5.3	98	4	10-200/38
319-84-6	alpha-BHC	11.0		5.42	56.3	835* [a]	5.42	17.0	111	107* [b]	43-183/37
319-85-7	beta-BHC	ND		5.42	9.2	170	5.42	104	1918* [c]	167* [b]	10-202/52
319-86-8	delta-BHC	ND		5.42	8.1	149	5.42	39.1	721* [c]	131* [b]	10-191/28
58-89-9	gamma-BHC (Lindane)	32.7		5.42	30.6	-39* [a]	5.42	30.8	-35* [a]	1	43-168/33
5103-71-9	alpha-Chlordane	ND		5.42	4.4	81	5.42	12.2	225* [c]	94* [b]	10-194/46
5103-74-2	gamma-Chlordane	56.3		5.42	23.0	-489* [a]	5.42	45.8	-68* [a]	66* [b]	10-180/40
60-57-1	Dieldrin	ND		5.42	13.4	247* [c]	5.42	12.1	223* [c]	10	12-197/40
72-54-8	4,4'-DDD	5.8		5.42	14.1	153	5.42	2.5	-61* [c]	140* [b]	10-193/47
72-55-9	4,4'-DDE	22.0		5.42	4.7	-319* [a]	5.42	11.9	-186* [a]	87* [b]	10-207/50
50-29-3	4,4'-DDT	50.8		5.42	4.7	-850* [a]	5.42	49.8	-18* [a]	166* [b]	10-241/60
72-20-8	Endrin	ND		5.42	29.4	542* [c]	5.42	12.8	236* [c]	79* [b]	21-214/48
1031-07-8	Endosulfan sulfate	ND		5.42	6.0	111	5.42	10.7	197* [c]	56* [b]	10-183/53
7421-93-4	Endrin aldehyde	ND		5.42	27.0	498* [c]	5.42	3.8	70	151* [b]	10-205/53
959-98-8	Endosulfan-I	ND		5.42	17.4	321* [c]	5.42	8.9	164	65* [b]	10-186/40
33213-65-9	Endosulfan-II	ND		5.42	27.5	507* [c]	5.42	9.9	183	94* [b]	10-185/44
76-44-8	Heptachlor	3.5		5.42	6.3	52	5.42	5.3	33	17	10-184/41
1024-57-3	Heptachlor epoxide	9.3 [d]		5.42	146	2543* [c]	5.42	183	3225* [c]	22	10-210/35
72-43-5	Methoxychlor	ND		5.42	22.8	420* [c]	5.42	18.0	332* [c]	24	10-222/65
53494-70-5	Endrin ketone	ND		5.42	29.5	544* [c]	5.42	13.6	251* [c]	74* [b]	10-230/53
8001-35-2	Toxaphene	ND			ND			ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JD79261-3	JD79261-3	Limits
877-09-8	Tetrachloro-m-xylene	2373%* [c]	2765%* [c]	3080%* [c]	11574%* [e]	66-150%
877-09-8	Tetrachloro-m-xylene	233%* [c]	245%* [c]	243%* [c]	6250%* [e]	66-150%
2051-24-3	Decachlorobiphenyl	330%* [c]	136%	191%* [c]	836%* [e]	40-150%
2051-24-3	Decachlorobiphenyl	1455%* [c]	224%* [c]	253%* [c]	239%* [e]	40-150%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Analytical precision exceeds in-house control limits.
(c) Outside control limits due to matrix interference.
(d) Result is from Run #2.
(e) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51355-MS	RM17545.D	1	12/26/23	RK	12/22/23	OP51355	GRM390
OP51355-MSD	RM17546.D	1	12/26/23	RK	12/22/23	OP51355	GRM390
JD79261-4	RM17568.D	1	12/26/23	RK	12/22/23	OP51355	GRM390

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79126-1, JD79126-2, JD79126-3, JD79126-4

CAS No.	Compound	JD79261-4 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		48.9	52.4	107	48.9	60.6	124	15	41-167/46
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/17
12672-29-6	Aroclor 1248	ND			ND			ND		nc	50-150/16
11097-69-1	Aroclor 1254	ND			ND			ND		nc	10-165/38
11096-82-5	Aroclor 1260	ND		48.9	48.8	100	48.9	49.0	100	0	13-183/49
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	50-150/11

CAS No.	Surrogate Recoveries	MS	MSD	JD79261-4	Limits
877-09-8	Tetrachloro-m-xylene	109%	108%	116%	42-159%
877-09-8	Tetrachloro-m-xylene	120%	118%	131%	42-159%
2051-24-3	Decachlorobiphenyl	95%	93%	95%	18-154%
2051-24-3	Decachlorobiphenyl	97%	95%	99%	18-154%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	3174086983	5.15	3093893090	4.83
Check Std [b]	2752470261	5.16	2739435204	4.83
Upper Limit [c]	4761130475	5.66	4640839635	5.33
Lower Limit [d]	1587043492	4.66	1546946545	4.33

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP51356-MB1	2764034834	5.17	2711958214	4.84
OP51356-BS1	2647976027	5.15	2610572964	4.83
OP51354-MB1	2698641350	5.15	2606076966	4.82
OP51354-BS1	2797426261	5.15	2646505890	4.82
JD79126-1	2913279291	5.15	2423928449	4.82
JD79126-2	2519095305	5.15	2505715602	4.82
JD79126-3	2773965091	5.15	2509392361	4.82
JD79126-4	2553337307	5.15	2834471672	4.82
OP51356-MS	1929027515	5.15	1823860876	4.82
OP51356-MSD	1980801426	5.15	1874397658	4.82
ZZZZZZ	2446796484	5.15	2378370561	4.82
ZZZZZZ	2543138042	5.15	2567865037	4.82
ZZZZZZ	2402283531	5.15	2526250391	4.82
ZZZZZZ	2529329014	5.15	2364261890	4.82
ZZZZZZ	1886904757	5.15	1963566479	4.82
OP51354-MS	1978435681	5.16	1563925393	4.83
OP51354-MSD	2448524848	5.15	2050069573	4.82
JD79261-3	2264295705	5.15	1756726466	4.82

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G6G3507-ICC3507 6G94536.D 12/16/23 11:45. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3507-DDT	**Injection Date:**	12/16/23
Lab File ID:	6G94529.D	**Injection Time:**	08:38
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	140695484	192918052
4,4'-DDE	43252764	32942373
4,4'-DDT	5379879047	4099774513
DDT Breakdown [a]	3.3 %	5.2 %
Endrin aldehyde	185385071	120589837
Endrin ketone	197910551	132848267
Endrin	3534337055	2522910325
Endrin Breakdown [b]	9.8 %	9.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3507-IC3507	6G94533.D	12/16/23	10:44	02:06	Initial cal 0.2
G6G3507-IC3507	6G94534.D	12/16/23	11:04	02:26	Initial cal 0.5
G6G3507-IC3507	6G94535.D	12/16/23	11:25	02:47	Initial cal 1.0
G6G3507-ICC3507	6G94536.D	12/16/23	11:45	03:07	Initial cal 2.5
G6G3507-IC3507	6G94537.D	12/16/23	12:06	03:28	Initial cal 5.0
G6G3507-IC3507	6G94538.D	12/16/23	12:26	03:48	Initial cal 7.5
G6G3507-IC3507	6G94539.D	12/16/23	12:47	04:09	Initial cal 10
G6G3507-IC3507	6G94540.D	12/16/23	13:07	04:29	Initial cal 50
G6G3507-IC3507	6G94541.D	12/16/23	13:27	04:49	Initial cal 50
G6G3507-ICV3507	6G94542.D	12/16/23	13:48	05:10	Initial cal verification 2.5
G6G3507-ICV3507	6G94543.D	12/16/23	14:08	05:30	Initial cal verification 50
G6G3507-ICV3507	6G94544.D	12/16/23	14:29	05:51	Initial cal verification 50
G6G3508-CC3507	6G94545.D	12/16/23	15:08	06:30	Continuing cal 2.5
OP51141-MB1	6G94547.D	12/16/23	16:06	07:28	Method Blank
OP51141-BS1	6G94548.D	12/16/23	16:26	07:48	Blank Spike
OP51145-MB1	6G94549.D	12/16/23	16:47	08:09	Method Blank
OP51145-BS1	6G94550.D	12/16/23	17:07	08:29	Blank Spike
OP51145-MS	6G94551.D	12/16/23	17:27	08:49	Matrix Spike
OP51145-MSD	6G94552.D	12/16/23	17:47	09:10	Matrix Spike Duplicate
ZZZZZZ	6G94553.D	12/16/23	18:08	09:30	(unrelated sample)
ZZZZZZ	6G94554.D	12/16/23	18:28	09:50	(unrelated sample)
JD78688-1	6G94555.D	12/16/23	18:49	10:11	(used for QC only; not part of job JD79126)
OP51141-MS	6G94556.D	12/16/23	19:09	10:32	Matrix Spike
OP51141-MSD	6G94557.D	12/16/23	19:30	10:52	Matrix Spike Duplicate

DDT/Endrin Breakdown Check

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3507-DDT	**Injection Date:**	12/16/23
Lab File ID:	6G94529.D	**Injection Time:**	08:38
Instrument ID:	GC6G		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	6G94558.D	12/16/23	19:50	11:13	(unrelated sample)
ZZZZZZ	6G94559.D	12/16/23	20:11	11:33	(unrelated sample)
ZZZZZZ	6G94560.D	12/16/23	20:31	11:54	(unrelated sample)
JD78651-3	6G94564.D	12/16/23	21:53	13:15	(used for QC only; not part of job JD79126)

DDT/Endrin Breakdown Check

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3519-DDT	**Injection Date:**	12/26/23
Lab File ID:	6G94807.D	**Injection Time:**	23:30
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	35109684	78221630
4,4'-DDE	9520443	13790960
4,4'-DDT	4601401177	5763823807
DDT Breakdown [a]	1 %	1.6 %
Endrin aldehyde	32439081	18839475
Endrin ketone	49174172	41903666
Endrin	3115509633	3320329086
Endrin Breakdown [b]	2.6 %	1.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3519-CC3507	6G94808.D	12/26/23	23:51	00:20	Continuing cal 25
OP51356-MB1	6G94810.D	12/27/23	00:56	01:26	Method Blank
OP51356-BS1	6G94811.D	12/27/23	01:16	01:46	Blank Spike
OP51354-MB1	6G94812.D	12/27/23	01:37	02:07	Method Blank
OP51354-BS1	6G94813.D	12/27/23	01:57	02:27	Blank Spike
JD79126-1	6G94814.D	12/27/23	02:18	02:47	SB112 (6-6.5)
JD79126-2	6G94815.D	12/27/23	02:38	03:07	SB111 (2.5-3)
JD79126-3	6G94816.D	12/27/23	02:59	03:28	SB108 (3.5'-4')
JD79126-4	6G94817.D	12/27/23	03:19	03:49	SB107 (6.5'-7')
OP51356-MS	6G94818.D	12/27/23	03:40	04:09	Matrix Spike
OP51356-MSD	6G94819.D	12/27/23	04:00	04:30	Matrix Spike Duplicate
ZZZZZZ	6G94821.D	12/27/23	04:41	05:10	(unrelated sample)
ZZZZZZ	6G94822.D	12/27/23	05:01	05:31	(unrelated sample)
ZZZZZZ	6G94823.D	12/27/23	05:22	05:52	(unrelated sample)
ZZZZZZ	6G94824.D	12/27/23	05:42	06:11	(unrelated sample)
ZZZZZZ	6G94825.D	12/27/23	06:03	06:32	(unrelated sample)
OP51354-MS	6G94826.D	12/27/23	06:23	06:52	Matrix Spike
OP51354-MSD	6G94827.D	12/27/23	06:44	07:13	Matrix Spike Duplicate
JD79261-3	6G94828.D	12/27/23	07:04	07:33	(used for QC only; not part of job JD79126)

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JD79126-1	**Injection Date:**	12/27/23
Lab File ID:	6G94814.D	**Injection Time:**	02:18
Client ID:	SB112 (6-6.5)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDE [a]	1 [b]	8.31	8.32	0.078	J	ug/kg	63.2
4,4'-DDE [a]	2	9.89	9.89	0.15	J	ug/kg	
4,4'-DDT [c]	1	9.56	9.56	0.13	J	ug/kg	16.7
4,4'-DDT [c]	2 [b]	11.39	11.40	0.11	J	ug/kg	

(a) More than 40 % RPD for detected concentrations between the two GC columns.
(b) Final result reported from this column.
(c) Associated CCV outside of control limits low.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JD79126-2	**Injection Date:**	12/27/23
Lab File ID:	6G94815.D	**Injection Time:**	02:38
Client ID:	SB111 (2.5-3)		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
4,4'-DDT [a]	1	9.56	9.56	0.18	J	ug/kg	46.8
4,4'-DDT [b]	2 [c]	11.41	11.40	0.29	J	ug/kg	

(a) Associated CCV outside of control limits low.
(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
(c) Final result reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	JD79126-3	**Injection Date:**	12/27/23
Lab File ID:	6G94816.D	**Injection Time:**	02:59
Client ID:	SB108 (3.5'-4')		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
alpha-Chlordane	1	8.17	8.21	0.19	J	ug/kg	37.5
alpha-Chlordane	2 [a]	9.62	9.63	0.13	J	ug/kg	
4,4'-DDD [b]	1	9.14	9.15	2.6		ug/kg	23.7
4,4'-DDD [b]	2 [a]	10.85	10.86	3.3		ug/kg	
4,4'-DDE	1 [a]	8.31	8.32	1.7		ug/kg	25.6
4,4'-DDE	2	9.89	9.89	2.2		ug/kg	
4,4'-DDT [b]	1	9.55	9.56	2.1		ug/kg	27.0
4,4'-DDT [b]	2 [a]	11.40	11.40	1.6		ug/kg	

(a) Final result reported from this column.
(b) Associated CCV outside of control limits low.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51354-BS1	**Injection Date:**	12/27/23
Lab File ID:	6G94813.D	**Injection Time:**	01:57
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1	7.16	7.16	7.3		ug/kg	2.8
Aldrin	2 [a]	8.27	8.27	7.1		ug/kg	
alpha-BHC	1	6.00	6.01	7.6		ug/kg	12.6
alpha-BHC	2 [a]	6.75	6.76	6.7		ug/kg	
beta-BHC	1	6.39	6.39	7.1		ug/kg	11.9
beta-BHC	2 [a]	7.29	7.30	6.3		ug/kg	
delta-BHC	1	6.58	6.59	6.8		ug/kg	6.1
delta-BHC	2 [a]	7.71	7.71	6.4		ug/kg	
gamma-BHC (Lindane)	1	6.31	6.31	7.4		ug/kg	16.1
gamma-BHC (Lindane)	2 [a]	7.21	7.21	6.3		ug/kg	
alpha-Chlordane	1 [a]	8.21	8.21	7.1		ug/kg	11.9
alpha-Chlordane	2	9.63	9.63	8.0		ug/kg	
gamma-Chlordane	1 [a]	8.04	8.04	7.1		ug/kg	14.4
gamma-Chlordane	2	9.40	9.41	8.2		ug/kg	
Dieldrin	1 [a]	8.71	8.71	6.8		ug/kg	18.7
Dieldrin	2	10.18	10.18	8.2		ug/kg	
4,4'-DDD	1 [a]	9.15	9.15	4.9		ug/kg	43.2
4,4'-DDD [b]	2	10.86	10.86	7.6		ug/kg	
4,4'-DDE	1 [a]	8.32	8.32	6.3		ug/kg	25.0
4,4'-DDE	2	9.89	9.89	8.1		ug/kg	
4,4'-DDT	1 [a]	9.56	9.56	5.3		ug/kg	44.1
4,4'-DDT [b]	2	11.40	11.40	8.3		ug/kg	
Endrin	1 [a]	9.03	9.03	6.6		ug/kg	21.6
Endrin [b]	2	10.69	10.69	8.2		ug/kg	
Endosulfan sulfate	1 [a]	10.65	10.65	6.8		ug/kg	23.4
Endosulfan sulfate	2	12.09	12.09	8.6		ug/kg	
Endrin aldehyde	1	9.97	9.97	7.1		ug/kg	4.1
Endrin aldehyde [b]	2 [a]	11.62	11.62	7.4		ug/kg	
Endosulfan-I	1 [a]	8.39	8.39	6.7		ug/kg	11.3
Endosulfan-I	2	9.74	9.74	7.5		ug/kg	
Endosulfan-II	1 [a]	9.36	9.36	6.7		ug/kg	18.9
Endosulfan-II	2	11.05	11.05	8.1		ug/kg	
Heptachlor	1	6.82	6.82	5.8		ug/kg	6.7
Heptachlor [b]	2 [a]	7.80	7.80	6.2		ug/kg	
Heptachlor epoxide	1 [a]	7.88	7.88	5.0		ug/kg	45.0
Heptachlor epoxide [b]	2	9.11	9.12	7.9		ug/kg	
Methoxychlor	1	10.35	10.35	5.1		ug/kg	28.6
Methoxychlor [b]	2 [a]	12.64	12.64	6.8		ug/kg	
Endrin ketone	1 [a]	11.09	11.09	6.3		ug/kg	16.1
Endrin ketone	2	13.04	13.04	7.4		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51354-BS1	**Injection Date:**	12/27/23
Lab File ID:	6G94813.D	**Injection Time:**	01:57
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51354-MS	**Injection Date:**	12/27/23
Lab File ID:	6G94826.D	**Injection Time:**	06:23
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.14	7.16	5.1		ug/kg	43.1
Aldrin	2	8.26	8.27	7.9		ug/kg	
alpha-BHC	1	6.02	6.01	15.6		ug/kg	113.2
alpha-BHC	2 [a]	6.81	6.76	56.3		ug/kg	
beta-BHC	1 [a]	6.40	6.39	9.2		ug/kg	124.7
beta-BHC	2	7.26	7.30	39.7		ug/kg	
delta-BHC	1 [a]	6.61	6.59	8.1		ug/kg	130.6
delta-BHC	2	7.72	7.71	1.7	J	ug/kg	
gamma-BHC (Lindane)	1	6.27	6.31	16.9		ug/kg	57.7
gamma-BHC (Lindane)	2 [a]	7.24	7.21	30.6		ug/kg	
alpha-Chlordane	1 [a]	8.24	8.21	4.4		ug/kg	29.1
alpha-Chlordane	2	9.65	9.63	5.9		ug/kg	
gamma-Chlordane	1 [a]	8.05	8.04	23.0		ug/kg	62.3
gamma-Chlordane	2	9.44	9.41	43.8		ug/kg	
Dieldrin	1 [a]	8.69	8.71	13.4		ug/kg	150.0
Dieldrin	2	10.19	10.18	93.8		ug/kg	
4,4'-DDD	1	9.17	9.15	8.2		ug/kg	52.9
4,4'-DDD	2 [a]	10.84	10.86	14.1		ug/kg	
4,4'-DDE	1	8.34	8.32	6.2		ug/kg	27.5
4,4'-DDE	2 [a]	9.90	9.89	4.7		ug/kg	
4,4'-DDT	1	9.59	9.56	8.5		ug/kg	57.6
4,4'-DDT	2 [a]	11.40	11.40	4.7		ug/kg	
Endrin	1	9.03	9.03	9.6		ug/kg	101.5
Endrin	2 [a]	10.65	10.69	29.4		ug/kg	
Endosulfan sulfate	1 [a]	10.65	10.65	6.0		ug/kg	50.0
Endosulfan sulfate	2	12.09	12.09	10		ug/kg	
Endrin aldehyde	1	9.96	9.97	0.69	J	ug/kg	190.0
Endrin aldehyde	2 [a]	11.61	11.62	27.0		ug/kg	
Endosulfan-I	1 [a]	8.41	8.39	17.4		ug/kg	69.8
Endosulfan-I	2	9.72	9.74	8.4		ug/kg	
Endosulfan-II	1 [a]	9.36	9.36	27.5		ug/kg	3.2
Endosulfan-II	2	11.09	11.05	28.4		ug/kg	
Heptachlor	1	6.82	6.82	5.2		ug/kg	19.1
Heptachlor	2 [a]	7.79	7.80	6.3		ug/kg	
Heptachlor epoxide	1	7.87	7.88	8.7		ug/kg	177.5
Heptachlor epoxide	2 [a]	9.09	9.12	146	E	ug/kg	
Methoxychlor	1	10.36	10.35	29.6		ug/kg	26.0
Methoxychlor	2 [a]	12.57	12.64	22.8		ug/kg	
Endrin ketone	1 [a]	11.12	11.09	29.5		ug/kg	15.3
Endrin ketone	2	13.03	13.04	25.3		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51354-MSD	**Injection Date:**	12/27/23
Lab File ID:	6G94827.D	**Injection Time:**	06:44
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.19	7.16	5.3		ug/kg	36.9
Aldrin	2	8.28	8.27	7.7		ug/kg	
alpha-BHC	1	6.03	6.01	261	E	ug/kg	175.5
alpha-BHC	2 [a]	6.78	6.76	17.0		ug/kg	
beta-BHC	1 [a]	6.36	6.39	104		ug/kg	195.4
beta-BHC	2	7.29	7.30	1.2	J	ug/kg	
delta-BHC	1 [a]	6.62	6.59	39.1		ug/kg	98.5
delta-BHC	2	7.67	7.71	115	E	ug/kg	
gamma-BHC (Lindane)	1	6.35	6.31	58.9		ug/kg	62.7
gamma-BHC (Lindane)	2 [a]	7.22	7.21	30.8		ug/kg	
alpha-Chlordane	1 [a]	8.24	8.21	12.2		ug/kg	4.0
alpha-Chlordane	2	9.60	9.63	12.7		ug/kg	
gamma-Chlordane	1 [a]	8.04	8.04	45.8		ug/kg	26.0
gamma-Chlordane	2	9.41	9.41	59.5		ug/kg	
Dieldrin	1 [a]	8.76	8.71	12.1		ug/kg	5.6
Dieldrin	2	10.20	10.18	12.8		ug/kg	
4,4'-DDD	1	9.16	9.15	22.5		ug/kg	160.0
4,4'-DDD	2 [a]	10.85	10.86	2.5		ug/kg	
4,4'-DDE	1	8.29	8.32	25.8		ug/kg	73.7
4,4'-DDE	2 [a]	9.90	9.89	11.9		ug/kg	
4,4'-DDT	1	9.57	9.56	40.3		ug/kg	21.1
4,4'-DDT	2 [a]	11.44	11.40	49.8		ug/kg	
Endrin	1	9.03	9.03	4.1		ug/kg	103.0
Endrin	2 [a]	10.72	10.69	12.8		ug/kg	
Endosulfan sulfate	1 [a]	10.62	10.65	10.7		ug/kg	32.2
Endosulfan sulfate	2	12.11	12.09	14.8		ug/kg	
Endrin aldehyde	1	9.99	9.97	4.6		ug/kg	19.0
Endrin aldehyde	2 [a]	11.62	11.62	3.8		ug/kg	
Endosulfan-I	1 [a]	8.41	8.39	8.9		ug/kg	98.9
Endosulfan-I	2	9.78	9.74	26.3		ug/kg	
Endosulfan-II	1 [a]	9.33	9.36	9.9		ug/kg	102.7
Endosulfan-II	2	11.06	11.05	30.8		ug/kg	
Heptachlor	1	6.83	6.82	20.6		ug/kg	118.1
Heptachlor	2 [a]	7.80	7.80	5.3		ug/kg	
Heptachlor epoxide	1	7.91	7.88	6.4		ug/kg	186.5
Heptachlor epoxide	2 [a]	9.14	9.12	183	E	ug/kg	
Methoxychlor	1	10.34	10.35	20.2		ug/kg	11.5
Methoxychlor	2 [a]	12.66	12.64	18.0		ug/kg	
Endrin ketone	1 [a]	11.08	11.09	13.6		ug/kg	73.4
Endrin ketone	2	13.06	13.04	6.3		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM390-CC284	**Injection Date:**	12/26/23
Lab File ID:	RM17533.D	**Injection Time:**	09:56
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51355-BS1	**Injection Date:**	12/26/23
Lab File ID:	RM17542.D	**Injection Time:**	12:39
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1			47.0		ug/kg	13.6
Aroclor 1016	2 [a]			41.0		ug/kg	
AR1016-A	1	3.51	3.50	56.1		ug/kg	
AR1016-A	2	3.91	3.91	42.4		ug/kg	
AR1016-B	1	3.72	3.72	50.0		ug/kg	
AR1016-B	2	4.21	4.21	47.3		ug/kg	
AR1016-C	1	4.10	4.08	29.4		ug/kg	
AR1016-C	2	4.60	4.60	36.1		ug/kg	
AR1016-D	1	4.17	4.16	54.9		ug/kg	
AR1016-D	2	4.71	4.70	42.7		ug/kg	
AR1016-E	1	4.46	4.46	44.7		ug/kg	
AR1016-E	2	5.11	5.11	36.5		ug/kg	
Aroclor 1260	1 [a]			36.4		ug/kg	4.8
Aroclor 1260	2			38.2		ug/kg	
AR1260-A	1	6.29	6.28	35.6		ug/kg	
AR1260-A	2	7.63	7.62	39.6		ug/kg	
AR1260-B	1	6.44	6.43	33.6		ug/kg	
AR1260-B	2	7.74	7.73	39.5		ug/kg	
AR1260-C	1	6.84	6.84	37.4		ug/kg	
AR1260-C	2	8.08	8.08	39.9		ug/kg	
AR1260-D	1	7.34	7.34	38.1		ug/kg	
AR1260-D	2	8.36	8.35	37.3		ug/kg	
AR1260-E	1	7.74	7.74	37.5		ug/kg	
AR1260-E	2	8.71	8.71	34.7		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM390-CC284	**Injection Date:**	12/26/23
Lab File ID:	RM17543.D	**Injection Time:**	12:56
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51355-MS	**Injection Date:**	12/26/23
Lab File ID:	RM17545.D	**Injection Time:**	13:29
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			52.4		ug/kg	5.9
Aroclor 1016	2			55.6		ug/kg	
AR1016-A	1	3.48	3.50	38.6		ug/kg	
AR1016-A	2	3.90	3.91	51.1		ug/kg	
AR1016-B	1	3.71	3.72	57.3		ug/kg	
AR1016-B	2	4.21	4.21	59.8		ug/kg	
AR1016-C	1	4.06	4.09	54.6		ug/kg	
AR1016-C	2	4.59	4.60	54.2		ug/kg	
AR1016-D	1	4.15	4.17	55.6		ug/kg	
AR1016-D	2	4.70	4.71	52.0		ug/kg	
AR1016-E	1	4.45	4.46	55.9		ug/kg	
AR1016-E	2	5.10	5.11	60.9		ug/kg	
Aroclor 1260	1 [a]			48.8		ug/kg	5.6
Aroclor 1260	2			51.6		ug/kg	
AR1260-A	1	6.26	6.29	50.3		ug/kg	
AR1260-A	2	7.62	7.63	53.5		ug/kg	
AR1260-B	1	6.42	6.44	45.4		ug/kg	
AR1260-B	2	7.73	7.74	51.8		ug/kg	
AR1260-C	1	6.83	6.85	50.8		ug/kg	
AR1260-C	2	8.07	8.08	55.3		ug/kg	
AR1260-D	1	7.32	7.34	48.3		ug/kg	
AR1260-D	2	8.35	8.36	49.8		ug/kg	
AR1260-E	1	7.70	7.74	49.2		ug/kg	
AR1260-E	2	8.71	8.71	47.5		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM390-CC284	**Injection Date:**	12/26/23
Lab File ID:	RM17543.D	**Injection Time:**	12:56
Instrument ID:	GCRM	**Method:**	SW846 8082A

Sample ID:	OP51355-MSD	**Injection Date:**	12/26/23
Lab File ID:	RM17546.D	**Injection Time:**	13:45
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			60.6		ug/kg	1.2
Aroclor 1016	2			59.9		ug/kg	
AR1016-A	1	3.48	3.50	62.2		ug/kg	
AR1016-A	2	3.90	3.91	54.2		ug/kg	
AR1016-B	1	3.71	3.72	57.4		ug/kg	
AR1016-B	2	4.21	4.21	62.1		ug/kg	
AR1016-C	1	4.05	4.09	58.6		ug/kg	
AR1016-C	2	4.59	4.60	58.1		ug/kg	
AR1016-D	1	4.15	4.17	59.3		ug/kg	
AR1016-D	2	4.69	4.71	54.5		ug/kg	
AR1016-E	1	4.45	4.46	65.2		ug/kg	
AR1016-E	2	5.10	5.11	70.3		ug/kg	
Aroclor 1260	1 [a]			49.0		ug/kg	3.2
Aroclor 1260	2			50.6		ug/kg	
AR1260-A	1	6.26	6.29	50.1		ug/kg	
AR1260-A	2	7.62	7.63	52.8		ug/kg	
AR1260-B	1	6.42	6.44	47.5		ug/kg	
AR1260-B	2	7.73	7.74	50.4		ug/kg	
AR1260-C	1	6.83	6.85	50.3		ug/kg	
AR1260-C	2	8.07	8.08	53.5		ug/kg	
AR1260-D	1	7.32	7.34	47.2		ug/kg	
AR1260-D	2	8.35	8.36	49.0		ug/kg	
AR1260-E	1	7.70	7.74	49.7		ug/kg	
AR1260-E	2	8.71	8.71	47.2		ug/kg	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79126-1	6G94814.D	100	113	59	69
JD79126-2	6G94815.D	86	120	52	84
JD79126-3	6G94816.D	98	109	60	92
JD79126-4	6G94817.D	92	128	58	87
OP51354-BS1	6G94813.D	145	173* [c]	105	152* [c]
OP51354-MB1	6G94812.D	112	138	104	117
OP51354-MS	6G94826.D	2373* [d]	233* [d]	330* [d]	1455* [d]
OP51354-MSD	6G94827.D	2765* [d]	245* [d]	136	224* [d]

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	66-150%
S2 = Decachlorobiphenyl	40-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside of in house control limits.
(d) Outside control limits due to matrix interference.

Surrogate Recovery Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79126-1	RM17547.D	116	133	90	95
JD79126-2	RM17548.D	114	130	92	97
JD79126-3	RM17549.D	117	135	96	125
JD79126-4	RM17550.D	117	136	105	102
OP51355-BS1	RM17542.D	120	134	95	92
OP51355-MB1	RM17541.D	111	129	89	87
OP51355-MS	RM17545.D	109	120	95	97
OP51355-MSD	RM17546.D	108	118	93	95

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	42-159%
S2 = Decachlorobiphenyl	18-154%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.50	6.05	12.88	14.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51356-MB1	6G94810.D	12/27/23	00:56	5.52	6.06	12.89	14.62
OP51356-BS1	6G94811.D	12/27/23	01:16	5.50	6.04	12.88	14.62
OP51354-MB1	6G94812.D	12/27/23	01:37	5.49	6.04	12.88	14.62
OP51354-BS1	6G94813.D	12/27/23	01:57	5.49	6.04	12.88	14.62
JD79126-1	6G94814.D	12/27/23	02:18	5.49	6.04	12.88	14.62
JD79126-2	6G94815.D	12/27/23	02:38	5.49	6.04	12.87	14.62
JD79126-3	6G94816.D	12/27/23	02:59	5.49	6.04	12.88	14.63
JD79126-4	6G94817.D	12/27/23	03:19	5.49	6.04	12.88	14.62
OP51356-MS	6G94818.D	12/27/23	03:40	5.49	6.05	12.91	14.64
OP51356-MSD	6G94819.D	12/27/23	04:00	5.50	6.05	12.92	14.64
ZZZZZZ	6G94821.D	12/27/23	04:41	5.49	6.04	12.88	14.63
ZZZZZZ	6G94822.D	12/27/23	05:01	5.49	6.04	12.88	14.62
ZZZZZZ	6G94823.D	12/27/23	05:22	5.49	6.04	12.88	14.62
ZZZZZZ	6G94824.D	12/27/23	05:42	5.49	6.04	12.88	14.64
ZZZZZZ	6G94825.D	12/27/23	06:03	5.49	6.05	12.85	14.62
OP51354-MS	6G94826.D	12/27/23	06:23	5.50	6.06	12.91	14.62
OP51354-MSD	6G94827.D	12/27/23	06:44	5.50	6.06	12.86	14.64
JD79261-3	6G94828.D	12/27/23	07:04	5.49	6.05	12.86	14.64

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM390-CC284	**Injection Date:**	12/26/23
Lab File ID:	RM17533.D	**Injection Time:**	09:56
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.23	3.55	8.85	9.68

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51376-MB1	RM17535.D	12/26/23	10:43	3.24	3.55	8.86	9.69
OP51376-BS1	RM17536.D	12/26/23	10:59	3.24	3.55	8.86	9.69
OP51376-MS	RM17537.D	12/26/23	11:16	3.23	3.54	8.85	9.68
OP51376-MSD	RM17538.D	12/26/23	11:33	3.23	3.54	8.85	9.68
JD79184-18	RM17539.D	12/26/23	11:49	3.23	3.54	8.85	9.68
OP51355-MB1	RM17541.D	12/26/23	12:22	3.24	3.55	8.85	9.68
OP51355-BS1	RM17542.D	12/26/23	12:39	3.24	3.55	8.85	9.68

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRM390-CC284	**Injection Date:**	12/26/23
Lab File ID:	RM17543.D	**Injection Time:**	12:56
Instrument ID:	GCRM	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.24	3.55	8.86	9.68

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51355-MS	RM17545.D	12/26/23	13:29	3.23	3.54	8.85	9.68
OP51355-MSD	RM17546.D	12/26/23	13:45	3.23	3.54	8.85	9.68
JD79126-1	RM17547.D	12/26/23	14:02	3.23	3.54	8.85	9.68
JD79126-2	RM17548.D	12/26/23	14:19	3.23	3.54	8.85	9.68
JD79126-3	RM17549.D	12/26/23	14:35	3.23	3.54	8.85	9.68
JD79126-4	RM17550.D	12/26/23	14:52	3.23	3.55	8.85	9.68
ZZZZZZ	RM17551.D	12/26/23	15:09	3.23	3.54	8.85	9.68

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICC3507
Lab FileID: 6G94536.D

Response Factor Report GC6G

Method : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 16:30:51 2023
Response via : Initial Calibration

Calibration Files
2 =6g94533.d 5 =6g94534.d 10 =6g94535.d 25 =6g94536.d
50 =6g94537.d 100 =6g94539.d 75 =6g94538.d =

Compound	2	5	10	25	50	100	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD								
2) Tetrachloro-	1.081	1.056	0.960	0.994	0.999	0.973	0.968	1.004	4.62
3) hexachlorobe	1.439	1.455	1.359	1.277	1.275	1.262	1.274	1.334	6.27
4) alpha-BHC	1.781	1.752	1.638	1.601	1.648	1.663	1.664	1.678	3.83
5) gamma-BHC	1.589	1.580	1.471	1.409	1.520	1.479	1.470	1.503	4.32
6) Heptachlor	1.593	1.619	1.390	1.317	1.332	1.322	1.331	1.415	9.39
7) beta-BHC	0.805	0.771	0.697	0.597	0.601	0.597	0.600	0.667	13.59
8) delta-BHC	1.593	1.708	1.533	1.373	1.433	1.485	1.469	1.513	7.30
----- Quadratic regression ----- Coefficient = 0.9998									
Response Ratio = 0.02128 + 1.34629 *A + 0.06559 *A^2									
9) Aldrin	1.677	1.615	1.406	1.335	1.364	1.364	1.370	1.447	9.56
10) alachlor		0.212	0.174	0.154	0.140		0.131	0.162	19.79
11) Heptachlor E	1.013	0.959	0.972	0.906	0.959	0.947	0.945	0.957	3.36
12) gamma-Chlord	1.546	1.501	1.379	1.280	1.291	1.320	1.316	1.376	7.71
13) alpha-Chlord	1.549	1.484	1.337	1.245	1.247	1.262	1.263	1.341	9.33
14) Endosulfan I	1.547	1.478	1.315	1.209	1.182	1.154	1.178	1.295	12.26
15) 4,4'-DDE	1.405	1.360	1.220	1.157	1.170	1.169	1.172	1.236	8.31
16) Dieldrin	1.652	1.598	1.432	1.327	1.362	1.321	1.308	1.429	9.89
17) Endrin	1.345	1.301	1.162	1.083	1.082	1.070	1.075	1.160	10.04
18) 4,4'-DDD	1.094	1.008	0.940	0.893	0.899	0.894	0.899	0.947	8.16
19) Endosulfan I	1.460	1.409	1.245	1.143	1.109	1.075	1.096	1.220	12.91
20) 4,4'-DDT	0.909	0.909	0.865	0.846	0.874	0.885	0.878	0.881	2.58
21) Endrin Aldeh	1.642	1.502	1.170	0.952	0.907	0.824	0.851	1.121	29.47
----- Quadratic regression ----- Coefficient = 0.9996									
Response Ratio = 0.04644 + 0.90371 *A + -0.05220 *A^2									
22) Endosulfan S	1.416	1.334	1.178	1.075	1.041	1.004	1.027	1.154	14.13
23) Methoxychlor	0.446	0.406	0.395	0.372	0.350	0.353	0.348	0.381	9.57
24) Mirex	1.046	1.001	0.953	0.908	0.880	0.872	0.876	0.934	7.35
25) Endrin Keton	1.623	1.572	1.391	1.273	1.211	1.161	1.194	1.347	13.92
26) Decachlorobi			1.238	1.116	1.054	1.010	1.037	1.091	8.33
27) I 1-bromo-2-nitrobenzen	ISTD								
28) Toxaphene{A}				0.008				0.008	0.00
29) Toxaphene{B}				0.024				0.024	0.00
30) Toxaphene{C}				0.028				0.028	0.00
31) Toxaphene{D}				0.017				0.017	0.00
32) Toxaphene{E}				0.027				0.027	0.00
33) I 1-bromo-2-nitrobenzen	ISTD								
34) Chlordane {A				0.068				0.068	0.00
35) Chlordane {B				0.035				0.035	0.00
36) Chlordane {C				0.150				0.150	0.00
37) Chlordane {D				0.222				0.222	0.00
38) Chlordane {E				0.032				0.032	0.00

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICC3507
Lab FileID: 6G94536.D

Signal #2

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
2)	Tetrachloro-	0.670	0.696	0.806	0.752	0.803	0.779	0.811	0.759	7.45
3)	hexachlorobe	1.550	1.443	1.389	1.269	1.301	1.245	1.267	1.352	8.39
4)	alpha-BHC	1.730	1.721	1.549	1.535	1.557	1.549	1.561	1.600	5.38
5)	gamma-BHC	1.571	1.527	1.356	1.291	1.319	1.327	1.337	1.390	7.99
6)	Heptachlor	1.474	1.447	1.260	1.156	1.139	1.120	1.146	1.249	12.15
7)	beta-BHC	0.820	0.730	0.628	0.563	0.551	0.540	0.551	0.626	17.43
8)	delta-BHC	1.671	1.487	1.282	1.186	1.279	1.280	1.290	1.354	12.33
	----- Quadratic regression ----- Coefficient = 0.9995									
	Response Ratio = 0.01070 + 1.23238 *A + 0.02410 *A^2									
9)	Aldrin	1.460	1.343	1.172	1.073	1.078	1.064	1.084	1.182	13.37
10)	alachlor		0.183	0.168	0.144	0.134		0.125	0.151	16.09
11)	Heptachlor E	1.312	1.167	1.008	0.902	0.888	0.859	0.884	1.003	17.30
12)	gamma-Chlord	1.208	1.124	0.984	0.892	0.920	0.885	0.899	0.987	13.04
13)	alpha-Chlord	1.183	1.079	0.944	0.851	0.902	0.869	0.894	0.960	12.90
14)	Endosulfan I	1.318	1.107	0.939	0.834	0.865	0.813	0.854	0.961	19.34
15)	4,4'-DDE	1.236	1.131	0.999	0.907	0.931	0.891	0.908	1.000	13.32
16)	Dieldrin	1.319	1.183	1.037	0.934	0.929	0.896	0.915	1.030	15.74
17)	Endrin	1.096	0.968	0.838	0.769	0.855	0.756	0.766	0.864	14.62
18)	4,4'-DDD	1.193	0.978	0.865	0.772	0.768	0.750	0.766	0.870	18.84
19)	Endosulfan I	1.235	1.070	0.927	0.827	0.813	0.777	0.800	0.921	18.62
20)	4,4'-DDT	0.698	0.655	0.616	0.603	0.643	0.660	0.653	0.647	4.79
21)	Endrin Aldeh	1.214	1.356	0.856	0.663	0.671	0.587	0.631	0.854	36.20
	----- Quadratic regression ----- Coefficient = 0.9979									
	Response Ratio = 0.03698 + 0.67687 *A + -0.05241 *A^2									
22)	Endosulfan S	1.011	0.893	0.791	0.724	0.726	0.708	0.724	0.797	14.38
23)	Methoxychlor	0.423	0.380	0.336	0.317	0.329	0.315	0.327	0.347	11.56
24)	Mirex	0.665	0.656	0.608	0.582	0.576	0.573	0.582	0.606	6.46
25)	Endrin Keton	1.065	1.034	0.906	0.841	0.844	0.822	0.843	0.908	11.07
26)	Decachlorobi			0.690	0.647	0.637	0.636	0.643	0.651	3.47
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
28)	Toxaphene{A}					0.005			0.005	0.00
29)	Toxaphene{B}					0.006			0.006	0.00
30)	Toxaphene{C}					0.012			0.012	0.00
31)	Toxaphene{D}					0.023			0.023	0.00
32)	Toxaphene{E}					0.009			0.009	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
34)	Chlordane {A					0.054			0.054	0.00
35)	Chlordane {B					0.025			0.025	0.00
36)	Chlordane {C					0.096			0.096	0.00
37)	Chlordane {D					0.119			0.119	0.00
38)	Chlordane {E					0.021			0.021	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

6PSTLVI3507.M Sat Dec 16 17:12:32 2023

8.9.1

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g6g3507\6g94542.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\g6g3507\6g94542.d\ECD2B.CH
Acq On : 16 Dec 2023 13:48 pm Operator: rebeccak
Sample : icv3507-2.5(pest mix) Inst : GC6G
Misc : op51101,g6g3507,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 16:30:51 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.076	-7.2	112	0.00	5.48- 5.54
3		hexachlorobenzene	1.334	1.124	15.7	91	0.00	5.83- 5.89
4	A	alpha-BHC	1.678	1.450	13.6	94	0.00	5.98- 6.04
5	MA	gamma-BHC	1.503	1.323	12.0	97	0.00	6.30- 6.36
6	MA	Heptachlor	1.415	1.268	10.4	100	0.00	6.81- 6.87
7	B	beta-BHC	0.667	0.567	15.0	98	0.00	6.39- 6.45
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.002	19.9	86	0.00	6.58- 6.64
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.447	1.250	13.6	97	0.00	7.15- 7.21
10		alachlor	0.162	0.149	8.0	100	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	0.957	0.823	14.0	94	0.00	7.88- 7.94
12	B	gamma-Chlordane	1.376	1.229	10.7	99	0.00	8.04- 8.10
13	B	alpha-Chlordane	1.341	1.193	11.0	99	0.00	8.21- 8.27
14	A	Endosulfan I	1.295	1.131	12.7	97	0.00	8.39- 8.45
15	B	4,4'-DDE	1.236	1.118	9.5	100	0.00	8.32- 8.38
16	MA	Dieldrin	1.429	1.285	10.1	100	0.00	8.71- 8.77
17	MA	Endrin	1.160	1.076	7.2	103	0.00	9.04- 9.10
18	A	4,4'-DDD	0.947	0.868	8.3	101	0.00	9.15- 9.21
19	B	Endosulfan II	1.220	1.043	14.5	94	0.00	9.36- 9.42
20	MA	4,4'-DDT	0.881	0.858	2.6	105	0.00	9.57- 9.63
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.641	-5.6	111	0.00	9.98-10.04
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.154	0.993	14.0	96	0.00	10.66-10.72
23	A	Methoxychlor	0.381	0.364	4.5	101	0.00	10.36-10.42
24		Mirex	0.934	0.928	0.6	106	0.00	10.53-10.59
25	B	Endrin Ketone	1.347	1.187	11.9	96	0.00	11.10-11.16
26	SA	Decachlorobiphenyl	1.091	1.230	-12.7	114	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.759	0.773	-1.8	106	0.00	6.02- 6.08
3		hexachlorobenzene	1.352	1.149	15.0	94	0.00	6.57- 6.63
4	A	alpha-BHC	1.600	1.414	11.6	95	0.00	6.74- 6.80
5	MA	gamma-BHC	1.390	1.230	11.5	98	0.00	7.19- 7.25
6	MA	Heptachlor	1.249	1.114	10.8	100	0.00	7.79- 7.85
7	B	beta-BHC	0.626	0.506	19.2	93	0.00	7.28- 7.34
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.127	14.9	94	0.00	7.70- 7.76
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	1.048	11.3	101	0.00	8.26- 8.32
10		alachlor	0.151	0.135	10.6	96	0.00	8.07- 8.13
11	B	Heptachlor Epoxide	1.003	0.892	11.1	102	0.00	9.11- 9.17
12	B	gamma-Chlordane	0.987	0.883	10.5	102	0.00	9.40- 9.46
13	B	alpha-Chlordane	0.960	0.835	13.0	101	0.00	9.63- 9.69
14	A	Endosulfan I	0.961	0.814	15.3	101	0.00	9.73- 9.79
15	B	4,4'-DDE	1.000	0.897	10.3	102	0.00	9.89- 9.95
16	MA	Dieldrin	1.030	0.927	10.0	103	0.00	10.17-10.23
17	MA	Endrin	0.864	0.793	8.2	107	0.00	10.69-10.75
18	A	4,4'-DDD	0.870	0.750	13.8	100	0.00	10.85-10.91
19	B	Endosulfan II	0.921	0.791	14.1	99	0.00	11.04-11.10
20	MA	4,4'-DDT	0.647	0.632	2.3	108	0.00	11.39-11.45
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.374	5.0	108	0.00	11.62-11.68
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.670	15.9	96	0.00	12.09-12.15
23	A	Methoxychlor	0.347	0.319	8.1	104	0.00	12.64-12.70
24		Mirex	0.606	0.562	7.3	100	0.00	12.97-13.03
25	B	Endrin Ketone	0.908	0.769	15.3	95	0.00	13.03-13.09
26	SA	Decachlorobiphenyl	0.651	0.751	-15.4	120	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

8.9.2

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Sat Dec 16 17:11:37 2023

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\g6g3507\6g94543.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\g6g3507\6g94543.d\ECD2B.CH
Acq On    : 16 Dec 2023  14:08 pm                    Operator: rebeccak
Sample    : icv3507-50(chlordane)                    Inst    : GC6G
Misc      : op51101,g6g3507,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Sat Dec 16 16:30:51 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.182	-17.7	131	0.00	5.48- 5.54
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True	Calc.	% Drift ----------				
8	B	delta-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	1.091	1.316	-20.6#	139	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

8.9.3

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.33- 5.33
34		Chlordane {A}	0.068	0.078	-14.7	90	0.00	6.74- 6.94
35		Chlordane {B}	0.035	0.043	-22.9#	96	0.00	7.22- 7.42
36		Chlordane {C}	0.150	0.170	-13.3	89	0.00	7.97- 8.17
37		Chlordane {D}	0.222	0.261	-17.6	92	0.00	8.13- 8.33
38		Chlordane {E}	0.032	0.039	-21.9#	96	0.00	9.19- 9.39

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.759	0.776	-2.2	110	0.00	6.02- 6.08
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True	Calc.	% Drift ----------				
8	B	delta-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.651	0.764	-17.4	137	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.65- 5.65
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.65- 5.65
34		Chlordane {A}	0.054	0.064	-18.5	93	0.00	7.72- 7.92
35		Chlordane {B}	0.025	0.031	-24.0#	96	0.00	8.39- 8.59
36		Chlordane {C}	0.096	0.109	-13.5	89	0.00	9.33- 9.53
37		Chlordane {D}	0.119	0.146	-22.7#	96	0.00	9.56- 9.76
38		Chlordane {E}	0.021	0.026	-23.8#	97	0.00	11.05-11.25

8.9.3

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94537.d 6PSTLVI3507.M Sat Dec 16 17:12:10 2023

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94544.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\6g94544.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\6g94544.d\ECD2B.CH
Acq On : 16 Dec 2023 2:29 pm Operator: rebeccak
Sample : icv3507-50(toxaphene) Inst : GC6G
Misc : op51101,g6g3507,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 18 07:30:35 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.135	-13.0	111	0.00	5.48- 5.54
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
8	B	delta-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	1.091	1.295	-18.7	119	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.33- 5.33
28	L8	Toxaphene{A}	0.008	0.010	-25.0#	107	-0.03	8.84- 9.04
29	L8	Toxaphene{B}	0.024	0.030	-25.0#	113	0.00	9.78- 9.98
30	L8	Toxaphene{C}	0.028	0.019	32.1#	63	0.03	10.11-10.31
31	L8	Toxaphene{D}	0.017	0.020	-17.6	103	0.00	10.28-10.48
32	L8	Toxaphene{E}	0.027	0.029	-7.4	97	0.00	10.43-10.63

8.9.4

8

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.759	0.616	18.8	75	0.00	6.02- 6.08
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
8	B	delta-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.651	0.750	-15.2	114	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.65- 5.65
28	L8	Toxaphene{A}	0.005	0.005	0.0	82	0.00	9.43- 9.63
29	L8	Toxaphene{B}	0.006	0.007	-16.7	111	0.00	10.23-10.43
30	L8	Toxaphene{C}	0.012	0.014	-16.7	105	0.00	11.42-11.62
31	L8	Toxaphene{D}	0.023	0.032	-39.1#	124	0.00	11.54-11.74
32	L8	Toxaphene{E}	0.009	0.008	11.1	81	0.00	12.64-12.84
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	66	0.00	4.65- 5.65
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94544.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94537.d 6PSTLVI3507.M Mon Dec 18 07:03:53 2023

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\la...19\6g94808.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\laylan...6g3519\6g94808.d\ECD2B.CH
Acq On    : 26-Dec-23, 23:51:03                    Operator: christp
Sample    : cc3507-25                              Inst    : GC6G
Misc      : op51156,g6g3519,5.0,,,10,1             Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\msdchem\1\dat...19\6PSTLVI3507.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Wed Dec 27 15:28:04 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	0.999	0.5	95	0.00	5.47- 5.53
3		hexachlorobenzene	1.334	1.525	-14.3	113	0.00	5.83- 5.89
4	A	alpha-BHC	1.678	1.708	-1.8	101	0.00	5.98- 6.04
5	MA	gamma-BHC	1.503	1.475	1.9	99	0.00	6.28- 6.34
6	MA	Heptachlor	1.415	1.122	20.7#	81	0.00	6.79- 6.85
7	B	beta-BHC	0.667	0.617	7.5	98	0.00	6.36- 6.42
		---------- True	Calc.	% Drift	----------			
8	B	delta-BHC	2.500	2.497	0.1	98	0.00	6.56- 6.62
		---------- AvgRF	CCRF	% Dev	----------			
9	MB	Aldrin	1.447	1.431	1.1	102	0.00	7.13- 7.19
10		alachlor	0.162	0.128	21.0#	79	0.00	7.27- 7.33
11	B	Heptachlor Epoxide	0.957	0.617	35.5#	64	0.00	7.85- 7.91
12	B	gamma-Chlordane	1.376	1.403	-2.0	104	0.00	8.01- 8.07
13	B	alpha-Chlordane	1.341	1.346	-0.4	102	0.00	8.18- 8.24
14	A	Endosulfan I	1.295	1.316	-1.6	103	0.00	8.36- 8.42
15	B	4,4'-DDE	1.236	1.064	13.9	87	0.00	8.29- 8.35
16	MA	Dieldrin	1.429	1.344	5.9	96	0.00	8.68- 8.74
17	MA	Endrin	1.160	0.911	21.5#	80	0.00	9.00- 9.06
18	A	4,4'-DDD	0.947	0.612	35.4#	65	0.00	9.12- 9.18
19	B	Endosulfan II	1.220	1.157	5.2	96	0.00	9.33- 9.39
20	MA	4,4'-DDT	0.881	0.606	31.2#	68	0.00	9.53- 9.59
		---------- True	Calc.	% Drift	----------			
21	B	Endrin Aldehyde	2.500	1.984	20.6#	79	0.00	9.94-10.00
		---------- AvgRF	CCRF	% Dev	----------			
22	B	Endosulfan Sulfate	1.154	1.099	4.8	97	0.00	10.62-10.68
23	A	Methoxychlor	0.381	0.238	37.5#	61	0.00	10.32-10.38
24		Mirex	0.934	0.939	-0.5	98	0.00	10.49-10.55
25	B	Endrin Ketone	1.347	1.090	19.1	81	0.00	11.06-11.12
26	SA	Decachlorobiphenyl	1.091	0.924	15.3	78	0.00	12.85-12.91
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.759	0.954	-25.7#	118	0.00	6.02- 6.08
3		hexachlorobenzene	1.352	1.307	3.3	95	0.00	6.56- 6.62
4	A	alpha-BHC	1.600	1.533	4.2	93	0.00	6.73- 6.79
5	MA	gamma-BHC	1.390	1.203	13.5	86	0.00	7.18- 7.24
6	MA	Heptachlor	1.249	1.171	6.2	94	0.00	7.77- 7.83
7	B	beta-BHC	0.626	0.580	7.3	96	0.00	7.27- 7.33
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.507	-0.3	99	0.00	7.68- 7.74
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	1.241	-5.0	107	0.00	8.24- 8.30
10		alachlor	0.151	0.166	-9.9	107	0.00	8.04- 8.10
11	B	Heptachlor Epoxide	1.003	1.170	-16.7	120	0.00	9.09- 9.15
12	B	gamma-Chlordane	0.987	1.221	-23.7#	127	0.00	9.38- 9.44
13	B	alpha-Chlordane	0.960	1.145	-19.3	125	0.00	9.60- 9.66
14	A	Endosulfan I	0.961	1.103	-14.8	123	0.00	9.71- 9.77
15	B	4,4'-DDE	1.000	1.179	-17.9	120	0.00	9.86- 9.92
16	MA	Dieldrin	1.030	1.209	-17.4	120	0.00	10.15-10.21
17	MA	Endrin	0.864	0.948	-9.7	114	0.00	10.66-10.72
18	A	4,4'-DDD	0.870	0.905	-4.0	109	0.00	10.83-10.89
19	B	Endosulfan II	0.921	1.037	-12.6	116	0.00	11.02-11.08
20	MA	4,4'-DDT	0.647	0.710	-9.7	109	0.00	11.37-11.43
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.274	9.0	93	0.00	11.59-11.65
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.979	-22.8#	125	0.00	12.06-12.12
23	A	Methoxychlor	0.347	0.280	19.3	82	0.00	12.61-12.67
24		Mirex	0.606	0.628	-3.6	100	0.00	12.95-13.01
25	B	Endrin Ketone	0.908	0.879	3.2	97	0.00	13.01-13.07
26	SA	Decachlorobiphenyl	0.651	0.659	-1.2	94	0.00	14.59-14.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Wed Dec 27 15:41:48 2023

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...21\6g94841.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\chrisc2\g6g3521\6g94841.d\ECD2B.CH
Acq On : 28-Dec-23, 00:28:30 Operator: christp
Sample : cc3507-2.5 Inst : GC6G
Misc : op51354,g6g3521,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...21\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 28 14:23:51 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
2	SAB	Tetrachloro-m-xylene	1.004	0.960	4.4	90	0.00	5.50- 5.56
3		hexachlorobenzene	1.334	1.475	-10.6	107	0.00	5.86- 5.92
4	A	alpha-BHC	1.678	1.537	8.4	89	0.00	6.01- 6.07
5	MA	gamma-BHC	1.503	1.387	7.7	92	0.00	6.32- 6.38
6	MA	Heptachlor	1.415	1.092	22.8#	77	0.00	6.84- 6.90
7	B	beta-BHC	0.667	0.512	23.2#	80	0.00	6.41- 6.47
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.334	6.6	90	0.00	6.60- 6.66
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.447	1.287	11.1	90	0.00	7.18- 7.24
10		alachlor	0.162	0.151	6.8	91	0.00	7.31- 7.37
11	B	Heptachlor Epoxide	0.957	0.627	34.5#	64	0.00	7.90- 7.96
12	B	gamma-Chlordane	1.376	1.232	10.5	89	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.341	1.213	9.5	91	0.00	8.23- 8.29
14	A	Endosulfan I	1.295	1.150	11.2	88	0.00	8.41- 8.47
15	B	4,4'-DDE	1.236	1.114	9.9	89	0.00	8.34- 8.40
16	MA	Dieldrin	1.429	1.282	10.3	90	0.00	8.74- 8.80
17	MA	Endrin	1.160	1.051	9.4	90	0.00	9.06- 9.12
18	A	4,4'-DDD	0.947	0.832	12.1	87	0.00	9.17- 9.23
19	B	Endosulfan II	1.220	1.083	11.2	88	0.00	9.38- 9.44
20	MA	4,4'-DDT	0.881	0.541	38.6#	59	0.00	9.59- 9.65
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	1.959	21.6#	77	0.00	10.00-10.06
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.154	0.884	23.4#	76	0.00	10.55-10.61
23	A	Methoxychlor	0.381	0.245	35.7#	61	0.00	10.37-10.43
24		Mirex	0.934	0.884	5.4	91	0.00	10.55-10.61
25	B	Endrin Ketone	1.347	1.129	16.2	82	0.00	11.12-11.18
26	SA	Decachlorobiphenyl	1.091	1.071	1.8	89	0.00	12.90-12.96
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

8.9.6

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
2	SAB	Tetrachloro-m-xylene	0.759	0.901	-18.7	117	0.00	6.06- 6.12
3		hexachlorobenzene	1.352	1.149	15.0	88	0.00	6.60- 6.66
4	A	alpha-BHC	1.600	1.335	16.6	85	0.00	6.77- 6.83
5	MA	gamma-BHC	1.390	1.033	25.7#	78	0.00	7.22- 7.28
6	MA	Heptachlor	1.249	0.953	23.7#	80	0.00	7.82- 7.88
7	B	beta-BHC	0.626	0.463	26.0#	80	0.00	7.31- 7.37
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.128	14.9	89	0.00	7.73- 7.79
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	0.969	18.0	88	0.00	8.29- 8.35
10		alachlor	0.151	0.141	6.6	95	0.00	8.09- 8.15
11	B	Heptachlor Epoxide	1.003	0.903	10.0	97	0.00	9.14- 9.20
12	B	gamma-Chlordane	0.987	0.938	5.0	102	0.00	9.43- 9.49
13	B	alpha-Chlordane	0.960	0.952	0.8	109	0.00	9.66- 9.72
14	A	Endosulfan I	0.961	0.926	3.6	108	0.00	9.76- 9.82
15	B	4,4'-DDE	1.000	0.966	3.4	104	0.00	9.92- 9.98
16	MA	Dieldrin	1.030	1.009	2.0	105	0.00	10.20-10.26
17	MA	Endrin	0.864	0.863	0.1	109	0.00	10.72-10.78
18	A	4,4'-DDD	0.870	0.822	5.5	104	0.00	10.88-10.94
19	B	Endosulfan II	0.921	0.890	3.4	105	0.00	11.07-11.13
20	MA	4,4'-DDT	0.647	0.523	19.2	84	0.00	11.42-11.48
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.103	15.9	92	0.00	11.65-11.71
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.868	-8.9	117	0.00	12.12-12.18
23	A	Methoxychlor	0.347	0.250	28.0#	77	0.00	12.66-12.72
24		Mirex	0.606	0.611	-0.8	102	0.00	13.01-13.07
25	B	Endrin Ketone	0.908	0.848	6.6	98	0.00	13.06-13.12
26	SA	Decachlorobiphenyl	0.651	0.600	7.8	90	0.00	14.63-14.69
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

8.9.6

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Thu Dec 28 15:28:31 2023

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

Response Factor Report GCRM

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Initial Calibration

Calibration Files
50 =rm12952.D 250 =rm12954.D 500 =rm12955.D 1000=rm12956.D
2000=rm12957.D 3000=rm12958.D 5000=rm12959.D 10k =rm12960.D
20k =rm12961.D 100 =rm12953.D = =

Compound	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	8.384	9.535	9.819	9.310						9.110	9.232 E7	5.88
2) AR1221-A				7.188							7.188 E5	0.00
3) AR1221-B				1.064							1.064 E6	0.00
4) AR1221-C				3.471							3.471 E6	0.00
5) AR1221-D				9.972							9.972 E5	0.00
6) AR1221-E				7.239							7.239 E5	0.00
7) AR1232-A				2.639							2.639 E6	0.00
8) AR1232-B				1.539							1.539 E6	0.00
9) AR1232-C				3.024							3.024 E6	0.00
10) AR1232-D				1.380							1.380 E6	0.00
11) AR1232-E				1.161							1.161 E6	0.00
12) AR1242-A				1.516							1.516 E6	0.00
13) AR1242-B				2.841							2.841 E6	0.00
14) AR1242-C				2.163							2.163 E6	0.00
15) AR1242-D				5.818							5.818 E6	0.00
16) AR1242-E				2.434							2.434 E6	0.00
17) AR1248-A				1.219							1.219 E6	0.00
18) AR1248-B				3.133							3.133 E6	0.00
19) AR1248-C				3.321							3.321 E6	0.00
20) AR1248-D				3.477							3.477 E6	0.00
21) AR1248-E				3.788							3.788 E6	0.00
22) AR1248-F				5.645							5.645 E6	0.00
23) AR1248-G												

8.9.7

8

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

				5.128							5.128 E6	0.00
24)	AR1254-A												
				3.783							3.783 E6	0.00
25)	AR1254-B												
				9.661							9.661 E6	0.00
26)	AR1254-C												
				4.720							4.720 E6	0.00
27)	AR1254-D												
				6.889							6.889 E6	0.00
28)	AR1254-E												
				5.708							5.708 E6	0.00
29)	AR1254-F												
				5.819							5.819 E6	0.00
30)	AR1254-G												
				6.784							6.784 E6	0.00
31)	AR1262-A												
				8.168							8.168 E6	0.00
32)	AR1262-B												
				7.908							7.908 E6	0.00
33)	AR1262-C												
				6.239							6.239 E6	0.00
34)	AR1262-D												
				1.567							1.567 E7	0.00
35)	AR1262-E												
				1.594							1.594 E7	0.00
36)	AR1268-A												
				1.488							1.488 E7	0.00
37)	AR1268-B												
				1.644							1.644 E7	0.00
38)	AR1268-C												
				1.178							1.178 E7	0.00
39)	AR1268-D												
				4.791							4.791 E6	0.00
40)	AR1268-E												
				3.145							3.145 E7	0.00
41)	AR1016-A												
		1.608	1.824	1.764	1.636	1.632	1.624	1.627	1.588	1.969	1.697 E6	7.59
42)	AR1016-B												
		3.197	3.368	3.327	3.071	3.045	2.983	2.885	2.704	4.451	3.226 E6	15.64
43)	AR1016-C												
		6.366	6.951	7.013	6.667	6.731	6.721	6.560	6.080	7.621	6.746 E6	6.44
44)	AR1016-D												
		2.700	2.874	2.836	2.629	2.611	2.600	2.539	2.403	3.229	2.713 E6	8.88
45)	AR1016-E												
		2.939	3.018	2.927	2.710	2.724	2.714	2.672	2.563	3.832	2.900 E6	13.09
46)	AR1260-A												
		6.865	7.851	7.913	7.196	7.216	7.156	7.021	6.616	7.589	7.269 E6	6.01
47)	AR1260-B												
		4.978	5.560	5.530	5.170	5.162	5.047	4.823	4.831	5.412	5.168 E6	5.42
48)	AR1260-C												
		4.155	4.659	4.576	4.333	4.405	4.368	4.267	4.011	4.597	4.374 E6	4.89
49)	AR1260-D												
		1.191	1.299	1.316	1.217	1.192	1.154	1.058	0.933	1.287	1.183 E7	10.45
50)	AR1260-E												
		1.065	1.150	1.171	1.069	1.061	1.052	0.996	0.926	1.181	1.075 E7	7.74
51)	Decachlorobiphenyl												
		6.427	6.931	6.953	6.228					7.282	6.764 E7	6.33

Signal #2

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

1)	Tetrachloro-m-xylene						
	6.272	7.295	7.798	7.664	6.777	7.161 E7	8.87
2)	AR1221-A						
				6.596		6.596 E5	0.00
3)	AR1221-B						
				8.785		8.785 E5	0.00
4)	AR1221-C						
				2.343		2.343 E6	0.00
5)	AR1221-D						
				6.379		6.379 E5	0.00
6)	AR1221-E						
				5.331		5.331 E5	0.00
7)	AR1232-A						
				1.798		1.798 E6	0.00
8)	AR1232-B						
				1.366		1.366 E6	0.00
9)	AR1232-C						
				2.529		2.529 E6	0.00
10)	AR1232-D						
				1.362		1.362 E6	0.00
11)	AR1232-E						
				6.883		6.883 E5	0.00
12)	AR1242-A						
				1.235		1.235 E6	0.00
13)	AR1242-B						
				2.412		2.412 E6	0.00
14)	AR1242-C						
				1.128		1.128 E6	0.00
15)	AR1242-D						
				4.733		4.733 E6	0.00
16)	AR1242-E						
				1.417		1.417 E6	0.00
17)	AR1248-A						
				1.078		1.078 E6	0.00
18)	AR1248-B						
				2.576		2.576 E6	0.00
19)	AR1248-C						
				1.799		1.799 E6	0.00
20)	AR1248-D						
				2.199		2.199 E6	0.00
21)	AR1248-E						
				3.120		3.120 E6	0.00
22)	AR1248-F						
				3.100		3.100 E6	0.00
23)	AR1248-G						
				4.127		4.127 E6	0.00
24)	AR1254-A						
				4.551		4.551 E6	0.00
25)	AR1254-B						
				3.544		3.544 E6	0.00
26)	AR1254-C						
				2.783		2.783 E6	0.00
27)	AR1254-D						
				5.962		5.962 E6	0.00
28)	AR1254-E						
				3.780		3.780 E6	0.00
29)	AR1254-F						
				3.960		3.960 E6	0.00
30)	AR1254-G						
				5.549		5.549 E6	0.00

Initial Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICC284
Lab FileID: RM12956.D

```
31)  AR1262-A
                          3.861                                    3.861 E6    0.00
32)  AR1262-B
                          5.847                                    5.847 E6    0.00
33)  AR1262-C
                          5.015                                    5.015 E6    0.00
34)  AR1262-D
                          1.111                                    1.111 E7    0.00
35)  AR1262-E
                          1.246                                    1.246 E7    0.00
36)  AR1268-A
                          1.266                                    1.266 E7    0.00
37)  AR1268-B
                          1.353                                    1.353 E7    0.00
38)  AR1268-C
                          1.033                                    1.033 E7    0.00
39)  AR1268-D
                          3.990                                    3.990 E6    0.00
40)  AR1268-E
                          3.075                                    3.075 E7    0.00
41)  AR1016-A
               1.270 1.329 1.374 1.265 1.262 1.262 1.274 1.262 1.613  1.323 E6    8.72
42)  AR1016-B
               2.654 2.838 2.816 2.614 2.614 2.611 2.608 2.541 3.113  2.712 E6    6.65
43)  AR1016-C
               5.328 5.838 5.919 5.692 5.783 5.876 5.880 5.626 6.327  5.808 E6    4.60
44)  AR1016-D
               2.792 2.866 2.763 2.531 2.517 2.511 2.497 2.439 3.490  2.712 E6   12.16
45)  AR1016-E
               1.727 1.816 1.767 1.665 1.694 1.731 1.781 1.780 2.037  1.778 E6    6.07
46)  AR1260-A
               5.628 6.202 6.292 6.050 6.156 6.243 6.285 5.973 6.492  6.147 E6    3.99
47)  AR1260-B
               3.488 3.800 3.856 3.659 3.706 3.694 3.603 3.341 3.999  3.683 E6    5.31
48)  AR1260-C
               3.379 3.779 3.858 3.716 3.788 3.828 3.811 3.629 3.785  3.730 E6    3.96
49)  AR1260-D
               7.857 9.088 9.390 8.945 8.989 8.859 8.443 7.606 8.828  8.667 E6    6.80
50)  AR1260-E
               7.589 8.581 8.847 8.452 8.562 8.607 8.488 8.061 8.361  8.394 E6    4.39
51)  Decachlorobiphenyl
               5.678 6.288 6.179 5.667                      7.505  6.263 E7   11.97
-------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          lvipcbgrm284a.M        Mon Aug 28 22:11:09 2023
```

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12966.D\ECD1A.ch Vial: 17
Signal #2 : C:\msdchem\1\data\GRM284\rm12966.D\ECD2B.ch
Acq On : 26 Aug 2023 05:35 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	110.808 E6	-20.0#	113	0.00	3.27- 3.33
2	AR1221-A			----------NA----------			
3	AR1221-B			----------NA----------			
4	AR1221-C			----------NA----------			
5	AR1221-D			----------NA----------			
6	AR1221-E			----------NA----------			
7	AR1232-A			----------NA----------			
8	AR1232-B			----------NA----------			
9	AR1232-C			----------NA----------			
10	AR1232-D			----------NA----------			
11	AR1232-E			----------NA----------			
12	AR1242-A			----------NA----------			
13	AR1242-B			----------NA----------			
14	AR1242-C			----------NA----------			
15	AR1242-D			----------NA----------			
16	AR1242-E			----------NA----------			
17	AR1248-A			----------NA----------			
18	AR1248-B			----------NA----------			
19	AR1248-C			----------NA----------			
20	AR1248-D			----------NA----------			
21	AR1248-E			----------NA----------			
22	AR1248-F			----------NA----------			
23	AR1248-G			----------NA----------			
24	AR1254-A			----------NA----------			
25	AR1254-B			----------NA----------			
26	AR1254-C			----------NA----------			
27	AR1254-D			----------NA----------			
28	AR1254-E			----------NA----------			
29	AR1254-F			----------NA----------			
30	AR1254-G			----------NA----------			
31	AR1262-A			----------NA----------			
32	AR1262-B			----------NA----------			
33	AR1262-C			----------NA----------			
34	AR1262-D			----------NA----------			
35	AR1262-E			----------NA----------			
36	AR1268-A			----------NA----------			
37	AR1268-B			----------NA----------			
38	AR1268-C			----------NA----------			
39	AR1268-D			----------NA----------			
40	AR1268-E			----------NA----------			
41	AR1016-A	1.697	1.930 E6	-13.7	109	0.00	3.54- 3.60

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

42		AR1016-B	3.226	3.952	E6	-22.5#	119	0.00	3.78- 3.84
43		AR1016-C	6.746	7.697	E6	-14.1	110	0.00	4.14- 4.20
44		AR1016-D	2.713	3.457	E6	-27.4#	122	0.00	4.24- 4.30
45		AR1016-E	2.900	3.051	E6	-5.2	104	0.00	4.55- 4.62
46		AR1260-A	7.269	9.852	E6	-35.5#	125	0.01	6.51- 6.57
47		AR1260-B	5.168	5.626	E6	-8.9	102	0.00	6.67- 6.73
48		AR1260-C	4.374	4.870	E6	-11.3	106	0.00	7.07- 7.14
49		AR1260-D	11.831	13.704	E6	-15.8	104	0.00	7.53- 7.59
50		AR1260-E	10.746	11.366	E6	-5.8	97	0.00	7.91- 7.97
51	S	Decachlorobiphenyl	67.642	79.243	E6	-17.2	114	0.00	8.99- 9.06
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	91.122	E6	-27.2#	117	0.00	3.61- 3.67
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.513	E6	-14.4	110	0.00	3.99- 4.05
42		AR1016-B	2.712	3.512	E6	-29.5#	125	0.00	4.31- 4.37
43		AR1016-C	5.808	6.916	E6	-19.1	117	0.00	4.70- 4.76
44		AR1016-D	2.712	3.260	E6	-20.2#	118	0.00	4.82- 4.88
45		AR1016-E	1.778	1.897	E6	-6.7	107	0.00	5.26- 5.32
46		AR1260-A	6.147	8.099	E6	-31.8#	129	0.00	7.83- 7.89
47		AR1260-B	3.683	4.091	E6	-11.1	106	0.00	7.93- 7.99

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12966.D

48		AR1260-C	3.730	4.172 E6	-11.8	108	0.00	8.26-	8.32
49		AR1260-D	8.667	9.915 E6	-14.4	106	0.00	8.52-	8.58
50		AR1260-E	8.394	8.955 E6	-6.7	101	0.00	8.87-	8.93
51	S	Decachlorobiphenyl	62.632	70.850 E6	-13.1	115	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0

rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:39 2023

8.9.8

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12967.D\ECD1A.ch Vial: 18
Signal #2 : C:\msdchem\1\data\GRM284\rm12967.D\ECD2B.ch
Acq On : 26 Aug 2023 05:52 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	113.052 E6	-22.5#	115	0.00	3.27- 3.33
2	AR1221-A	718.842	744.416 E3	-3.6	104	0.00	2.83- 3.03
3	AR1221-B	1.064	1.036 E6	2.6	97	0.00	3.34- 3.54
4	AR1221-C	3.471	3.334 E6	3.9	96	0.00	3.47- 3.67
5	AR1221-D	997.195	811.477 E3	18.6	81	0.00	3.72- 3.92
6	AR1221-E	723.938	602.854 E3	16.7	83	0.00	4.10- 4.30
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A	3.783	4.013 E6	-6.1	106	0.00	4.79- 4.99
25	AR1254-B	9.661	9.920 E6	-2.7	103	0.00	5.04- 5.24
26	AR1254-C	4.720	4.781 E6	-1.3	101	0.00	5.32- 5.52
27	AR1254-D	6.889	6.804 E6	1.2	99	0.00	5.46- 5.66
28	AR1254-E	5.708	5.465 E6	4.3	96	0.02	5.83- 6.03
29	AR1254-F	5.819	6.146 E6	-5.6	106	0.00	6.02- 6.22
30	AR1254-G	6.784	7.041 E6	-3.8	104	0.00	6.45- 6.65
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	73.381 E6	-8.5	106	0.00	8.99- 9.06	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.335 E6	-17.8	108	0.00	3.61- 3.67	
2		AR1221-A	659.640	674.991 E3	-2.3	102	0.00	3.25- 3.31	
3		AR1221-B	878.470	840.691 E3	4.3	96	0.00	3.76- 3.96	
4		AR1221-C	2.343	2.185 E6	6.7	93	0.00	3.92- 4.12	
5		AR1221-D	637.874	533.905 E3	16.3	84	0.00	4.24- 4.44	
6		AR1221-E	533.103	417.273 E3	21.7#	78	0.00	4.64- 4.84	
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A	4.551	4.590 E6	-0.9	101	0.00	5.67- 5.87	
25		AR1254-B	3.544	3.664 E6	-3.4	103	0.00	5.93- 6.13	
26		AR1254-C	2.783	2.849 E6	-2.4	102	0.00	6.46- 6.66	
27		AR1254-D	5.962	6.113 E6	-2.5	103	0.00	6.67- 6.87	
28		AR1254-E	3.780	3.697 E6	2.2	98	0.01	7.07- 7.27	
29		AR1254-F	3.960	4.146 E6	-4.7	105	0.00	7.48- 7.68	
30		AR1254-G	5.549	5.773 E6	-4.0	104	0.00	7.76- 7.96	
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12967.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	65.132 E6	-4.0	105	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:41 2023

8.9.9

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12968.D\ECD1A.ch Vial: 19
Signal #2 : C:\msdchem\1\data\GRM284\rm12968.D\ECD2B.ch
Acq On : 26 Aug 2023 06:08 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	108.727 E6	-17.8	111	0.00	3.28- 3.34
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	2.639	2.871 E6	-8.8	109	0.00	3.47- 3.67
8		AR1232-B	1.539	1.704 E6	-10.7	111	0.00	3.72- 3.92
9		AR1232-C	3.024	3.231 E6	-6.8	107	0.00	4.09- 4.29
10		AR1232-D	1.380	1.530 E6	-10.9	111	0.00	4.18- 4.38
11		AR1232-E	1.161	1.305 E6	-12.4	112	0.00	4.49- 4.69
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	8.168	8.678 E6	-6.2	106	0.00	6.02- 6.22
32		AR1262-B	7.908	8.575 E6	-8.4	108	0.00	6.60- 6.80
33		AR1262-C	6.239	6.758 E6	-8.3	108	0.00	7.00- 7.20
34		AR1262-D	15.670	16.724 E6	-6.7	107	0.00	7.46- 7.66
35		AR1262-E	15.944	16.791 E6	-5.3	105	0.00	7.85- 8.05
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	76.386 E6	-12.9	110	0.00	8.99- 9.06	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.206 E6	-17.6	108	0.00	3.61- 3.67	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A	1.798	1.919 E6	-6.7	107	0.00	3.92- 4.12	
8		AR1232-B	1.366	1.487 E6	-8.9	109	0.00	4.24- 4.44	
9		AR1232-C	2.529	2.710 E6	-7.2	107	0.00	4.64- 4.84	
10		AR1232-D	1.362	1.522 E6	-11.7	112	0.00	4.76- 4.96	
11		AR1232-E	688.317	752.197 E3	-9.3	109	0.00	5.20- 5.40	
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	3.861	4.133 E6	-7.0	107	0.00	7.52- 7.72	
32		AR1262-B	5.847	6.282 E6	-7.4	107	0.00	7.86- 8.06	
33		AR1262-C	5.015	5.376 E6	-7.2	107	0.00	8.19- 8.39	
34		AR1262-D	11.110	11.870 E6	-6.8	107	0.00	8.45- 8.65	
35		AR1262-E	12.459	13.392 E6	-7.5	107	0.00	8.79- 8.99	
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12968.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	66.311 E6	-5.9	107	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:43 2023

8.9.10

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12969.D\ECD1A.ch Vial: 20
Signal #2 : C:\msdchem\1\data\GRM284\rm12969.D\ECD2B.ch
Acq On : 26 Aug 2023 06:25 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	95.276 E6	-3.2	97	0.00	3.28- 3.34
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A	1.516	1.622 E6	-7.0	107	0.00	3.47- 3.67
13	AR1242-B	2.841	3.153 E6	-11.0	111	0.00	3.71- 3.91
14	AR1242-C	2.163	2.413 E6	-11.6	112	0.00	3.86- 4.06
15	AR1242-D	5.818	6.248 E6	-7.4	107	0.00	4.08- 4.28
16	AR1242-E	2.434	2.635 E6	-8.3	108	0.00	4.49- 4.69
17	AR1248-A		----------NA----------				
18	AR1248-B		----------NA----------				
19	AR1248-C		----------NA----------				
20	AR1248-D		----------NA----------				
21	AR1248-E		----------NA----------				
22	AR1248-F		----------NA----------				
23	AR1248-G		----------NA----------				
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A	14.885	14.219 E6	4.5	96	0.00	7.85- 8.05
37	AR1268-B	16.437	15.734 E6	4.3	96	0.00	7.89- 8.09
38	AR1268-C	11.780	11.364 E6	3.5	96	0.00	8.10- 8.30
39	AR1268-D	4.791	4.623 E6	3.5	96	0.00	8.49- 8.69
40	AR1268-E	31.446	30.310 E6	3.6	96	0.00	8.75- 8.95
41	AR1016-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	225.355 E6	-233.2#	324#	0.00	8.98- 9.05	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	76.263 E6	-6.5	98	0.00	3.61- 3.67	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A	1.235	1.306 E6	-5.7	106	0.00	3.92- 4.12	
13		AR1242-B	2.412	2.675 E6	-10.9	111	0.00	4.24- 4.44	
14		AR1242-C	1.128	1.243 E6	-10.2	110	0.00	4.44- 4.64	
15		AR1242-D	4.733	5.142 E6	-8.6	109	0.00	4.64- 4.84	
16		AR1242-E	1.417	1.507 E6	-6.4	106	0.00	5.19- 5.39	
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A	12.656	12.081 E6	4.5	95	0.00	8.79- 8.99	
37		AR1268-B	13.526	12.894 E6	4.7	95	0.00	8.83- 9.03	
38		AR1268-C	10.332	9.962 E6	3.6	96	0.00	9.05- 9.25	
39		AR1268-D	3.990	3.802 E6	4.7	95	0.00	9.30- 9.50	
40		AR1268-E	30.750	29.666 E6	3.5	96	0.00	9.55- 9.75	
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12969.D

48		AR1260-C				----------NA----------			
49		AR1260-D				----------NA----------			
50		AR1260-E				----------NA----------			
51	S	Decachlorobiphenyl	62.632	196.900	E6	-214.4#	319#	0.00	9.82- 9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:45 2023

8.9.11

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM284\rm12970.D\ECD1A.ch Vial: 21
Signal #2 : C:\msdchem\1\data\GRM284\rm12970.D\ECD2B.ch
Acq On : 26 Aug 2023 06:41 am Operator: rebeccak
Sample : icv284-100 Inst : GCRM
Misc : op48654,grm284,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\met...\lvipcbgrm284a.M (ChemStation Integrator)
Title :
Last Update : Mon Aug 28 20:56:07 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 S	Tetrachloro-m-xylene	92.318	96.632 E6	-4.7	98	0.00	3.28- 3.34
2	AR1221-A		----------NA----------				
3	AR1221-B		----------NA----------				
4	AR1221-C		----------NA----------				
5	AR1221-D		----------NA----------				
6	AR1221-E		----------NA----------				
7	AR1232-A		----------NA----------				
8	AR1232-B		----------NA----------				
9	AR1232-C		----------NA----------				
10	AR1232-D		----------NA----------				
11	AR1232-E		----------NA----------				
12	AR1242-A		----------NA----------				
13	AR1242-B		----------NA----------				
14	AR1242-C		----------NA----------				
15	AR1242-D		----------NA----------				
16	AR1242-E		----------NA----------				
17	AR1248-A	1.219	1.293 E6	-6.1	106	0.00	3.71- 3.91
18	AR1248-B	3.133	3.886 E6	-24.0#	124	-0.01	4.08- 4.28
19	AR1248-C	3.321	3.782 E6	-13.9	114	0.00	4.30- 4.50
20	AR1248-D	3.477	4.037 E6	-16.1	116	0.00	4.48- 4.68
21	AR1248-E	3.788	3.950 E6	-4.3	104	-0.03	4.56- 4.76
22	AR1248-F	5.645	7.037 E6	-24.7#	125	-0.08	4.84- 5.04
23	AR1248-G	5.128	3.787 E6	26.2#	74	-0.03	5.06- 5.26
24	AR1254-A		----------NA----------				
25	AR1254-B		----------NA----------				
26	AR1254-C		----------NA----------				
27	AR1254-D		----------NA----------				
28	AR1254-E		----------NA----------				
29	AR1254-F		----------NA----------				
30	AR1254-G		----------NA----------				
31	AR1262-A		----------NA----------				
32	AR1262-B		----------NA----------				
33	AR1262-C		----------NA----------				
34	AR1262-D		----------NA----------				
35	AR1262-E		----------NA----------				
36	AR1268-A		----------NA----------				
37	AR1268-B		----------NA----------				
38	AR1268-C		----------NA----------				
39	AR1268-D		----------NA----------				
40	AR1268-E		----------NA----------				
41	AR1016-A		----------NA----------				

8.9.12

8

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	67.642	69.933 E6	-3.4	101	0.00	8.98-	9.05
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	84.437 E6	-17.9	108	0.00	3.61-	3.67
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A	1.078	1.149 E6	-6.6	107	0.00	4.24-	4.44
18		AR1248-B	2.576	3.093 E6	-20.1#	120	0.00	4.63-	4.83
19		AR1248-C	1.799	2.161 E6	-20.1#	120	0.00	4.92-	5.12
20		AR1248-D	2.199	2.709 E6	-23.2#	123	0.00	5.19-	5.39
21		AR1248-E	3.120	3.497 E6	-12.1	112	0.00	5.33-	5.53
22		AR1248-F	3.100	2.630 E6	15.2	85	-0.04	5.63-	5.83
23		AR1248-G	4.127	4.602 E6	-11.5	112	-0.04	6.00-	6.20
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				

Initial Calibration Verification

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM284-ICV284
Lab FileID: RM12970.D

48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	62.632	63.697 E6	-1.7	103	0.00	9.82-	9.88

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm12956.D lvipcbgrm284a.M Mon Aug 28 22:04:47 2023

8.9.12

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17533.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...90\rm17533.D\ECD1A.ch Vial: 1
Signal #2 : C:\msdchem\1\data\chrisc2\GRM390\rm17533.D\ECD2B.ch
Acq On : 26 Dec 2023 09:56 am Operator: rebeccak
Sample : cc284-100 Inst : GCRM
Misc : op51196,grm390,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...0\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Tue Dec 26 19:42:27 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	90.394 E6	2.1	92	0.00	3.20- 3.26
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.697	1.272 E6	25.0#	72	0.00	3.47- 3.53

8.9.13

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17533.D

42		AR1016-B	3.226	3.004	E6	6.9	90	0.00	3.69- 3.75
43		AR1016-C	6.746	5.330	E6	21.0#	76	0.00	4.05- 4.11
44		AR1016-D	2.713	2.834	E6	-4.5	100	0.00	4.13- 4.19
45		AR1016-E	2.900	2.880	E6	0.7	98	0.00	4.42- 4.49
46		AR1260-A	7.269	6.438	E6	11.4	81	0.00	6.25- 6.31
47		AR1260-B	5.168	4.095	E6	20.8#	74	0.00	6.40- 6.46
48		AR1260-C	4.374	3.680	E6	15.9	80	0.00	6.81- 6.88
49		AR1260-D	11.831	10.257	E6	13.3	78	0.00	7.31- 7.37
50		AR1260-E	10.746	9.276	E6	13.7	79	0.00	7.71- 7.77
51	S	Decachlorobiphenyl	67.642	63.577	E6	6.0	91	0.00	8.82- 8.89
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	78.806	E6	-10.0	101	0.00	3.52- 3.58
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.284	E6	2.9	93	0.00	3.88- 3.94
42		AR1016-B	2.712	2.679	E6	1.2	95	0.00	4.18- 4.24
43		AR1016-C	5.808	4.916	E6	15.4	83	0.00	4.57- 4.63
44		AR1016-D	2.712	2.830	E6	-4.4	102	0.00	4.67- 4.73
45		AR1016-E	1.778	1.703	E6	4.2	96	0.00	5.08- 5.14
46		AR1260-A	6.147	5.920	E6	3.7	94	0.00	7.59- 7.65
47		AR1260-B	3.683	3.500	E6	5.0	91	0.00	7.70- 7.76

8.9.13

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17533.D

48		AR1260-C	3.730	3.707 E6	0.6	96	0.00	8.05- 8.11
49		AR1260-D	8.667	8.191 E6	5.5	87	0.00	8.32- 8.38
50		AR1260-E	8.394	7.934 E6	5.5	90	0.00	8.68- 8.74
51	S	Decachlorobiphenyl	62.632	58.687 E6	6.3	95	0.00	9.65- 9.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm17533.D lvipcbgrm284.M Tue Dec 26 20:04:58 2023

8.9.13

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17543.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...90\rm17543.D\ECD1A.ch Vial: 10
Signal #2 : C:\msdchem\1\data\chrisc2\GRM390\rm17543.D\ECD2B.ch
Acq On : 26 Dec 2023 12:56 pm Operator: rebeccak
Sample : cc284-50 Inst : GCRM
Misc : op51355,grm390,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...0\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Tue Dec 26 19:42:27 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	92.233 E6	0.1	97	0.00	3.21- 3.27
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.697	1.288 E6	24.1#	71	0.00	3.47- 3.53

8.9.14

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17543.D

42		AR1016-B	3.226	3.162	E6	2.0	94	0.00	3.69- 3.75
43		AR1016-C	6.746	5.137	E6	23.9#	74	0.00	4.06- 4.12
44		AR1016-D	2.713	3.204	E6	-18.1	111	0.00	4.14- 4.20
45		AR1016-E	2.900	3.016	E6	-4.0	100	0.00	4.43- 4.50
46		AR1260-A	7.269	6.426	E6	11.6	82	0.01	6.26- 6.32
47		AR1260-B	5.168	4.160	E6	19.5	75	0.00	6.41- 6.47
48		AR1260-C	4.374	3.665	E6	16.2	79	0.00	6.81- 6.88
49		AR1260-D	11.831	10.549	E6	10.8	81	0.00	7.31- 7.37
50		AR1260-E	10.746	9.499	E6	11.6	83	0.00	7.71- 7.77
51	S	Decachlorobiphenyl	67.642	61.325	E6	9.3	88	0.00	8.82- 8.89
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	75.384	E6	-5.3	103	0.00	3.52- 3.58
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.378	E6	-4.2	104	0.00	3.88- 3.94
42		AR1016-B	2.712	2.799	E6	-3.2	99	0.00	4.18- 4.24
43		AR1016-C	5.808	5.171	E6	11.0	89	0.00	4.57- 4.63
44		AR1016-D	2.712	2.610	E6	3.8	91	0.00	4.68- 4.74
45		AR1016-E	1.778	1.655	E6	6.9	91	0.00	5.08- 5.14
46		AR1260-A	6.147	5.696	E6	7.3	92	0.00	7.60- 7.66
47		AR1260-B	3.683	3.356	E6	8.9	88	0.00	7.71- 7.77

8.9.14

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17543.D

48		AR1260-C	3.730	3.451 E6	7.5	91	0.00	8.05- 8.11
49		AR1260-D	8.667	7.671 E6	11.5	84	0.00	8.33- 8.39
50		AR1260-E	8.394	7.226 E6	13.9	84	0.00	8.68- 8.74
51	S	Decachlorobiphenyl	62.632	52.961 E6	15.4	84	0.00	9.65- 9.71

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm16840.D lvipcbgrm284.M Tue Dec 26 20:05:34 2023

8.9.14

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17554.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\GRM390\rm17554.D\ECD1A.ch Vial: 18
Signal #2 : C:\msdchem\1\data\GRM390\rm17554.D\ECD2B.ch
Acq On : 26 Dec 2023 03:58 pm Operator: rebeccak
Sample : cc284-100 Inst : GCRM
Misc : op51355,grm390,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\lvipcbgrm284.M (ChemStation Integrator)
Title :
Last Update : Sun Nov 19 09:47:45 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	92.318	94.589 E6	-2.5	96	0.00	3.20- 3.26
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	1.697	1.381 E6	18.6	78	0.02	3.47- 3.53

8.9.15

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17554.D

42		AR1016-B	3.226	3.118	E6	3.3	94	0.00	3.69- 3.75
43		AR1016-C	6.746	6.097	E6	9.6	87	0.03	4.05- 4.11
44		AR1016-D	2.713	3.014	E6	-11.1	106	0.01	4.13- 4.19
45		AR1016-E	2.900	2.997	E6	-3.3	102	0.00	4.42- 4.49
46		AR1260-A	7.269	6.755	E6	7.1	85	0.01	6.26- 6.32
47		AR1260-B	5.168	4.207	E6	18.6	76	0.00	6.40- 6.46
48		AR1260-C	4.374	3.792	E6	13.3	83	0.00	6.81- 6.88
49		AR1260-D	11.831	10.928	E6	7.6	83	0.00	7.31- 7.37
50		AR1260-E	10.746	10.086	E6	6.1	86	0.03	7.71- 7.77
51	S	Decachlorobiphenyl	67.642	63.300	E6	6.4	91	-0.01	8.82- 8.89
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	71.610	82.229	E6	-14.8	105	0.00	3.52- 3.58
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	1.323	1.375	E6	-3.9	100	0.00	3.88- 3.94
42		AR1016-B	2.712	2.806	E6	-3.5	100	0.00	4.18- 4.24
43		AR1016-C	5.808	5.669	E6	2.4	96	0.00	4.57- 4.63
44		AR1016-D	2.712	2.981	E6	-9.9	108	0.00	4.67- 4.73
45		AR1016-E	1.778	1.759	E6	1.1	100	0.00	5.08- 5.14
46		AR1260-A	6.147	6.247	E6	-1.6	99	0.00	7.60- 7.66
47		AR1260-B	3.683	3.567	E6	3.1	92	-0.01	7.71- 7.77

8.9.15

8

Continuing Calibration Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRM390-CC284
Lab FileID: RM17554.D

48		AR1260-C	3.730	3.842 E6	-3.0	100	-0.01	8.05-	8.11
49		AR1260-D	8.667	8.551 E6	1.3	91	0.00	8.33-	8.39
50		AR1260-E	8.394	8.123 E6	3.2	92	0.00	8.68-	8.74
51	S	Decachlorobiphenyl	62.632	57.210 E6	8.7	93	-0.01	9.66-	9.72

(#) = Out of Range SPCC's out = 0 CCC's out = 0
rm16003.D lvipcbgrm284.M Tue Dec 26 17:11:52 2023

8.9.15

8

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3507	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3507-DDT	6G94529.D	12/16/23 08:38	n/a	DDT/Endrin Breakdown Check
G6G3507-IC3507	6G94533.D	12/16/23 10:44	n/a	Initial cal 0.2
G6G3507-IC3507	6G94534.D	12/16/23 11:04	n/a	Initial cal 0.5
G6G3507-IC3507	6G94535.D	12/16/23 11:25	n/a	Initial cal 1.0
G6G3507-ICC3507	6G94536.D	12/16/23 11:45	n/a	Initial cal 2.5
G6G3507-IC3507	6G94537.D	12/16/23 12:06	n/a	Initial cal 5.0
G6G3507-IC3507	6G94538.D	12/16/23 12:26	n/a	Initial cal 7.5
G6G3507-IC3507	6G94539.D	12/16/23 12:47	n/a	Initial cal 10
G6G3507-IC3507	6G94540.D	12/16/23 13:07	n/a	Initial cal 50
G6G3507-IC3507	6G94541.D	12/16/23 13:27	n/a	Initial cal 50
G6G3507-ICV3507	6G94542.D	12/16/23 13:48	n/a	Initial cal verification 2.5
G6G3507-ICV3507	6G94543.D	12/16/23 14:08	n/a	Initial cal verification 50
G6G3507-ICV3507	6G94544.D	12/16/23 14:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3519	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3519-DDT	6G94807.D	12/26/23 23:30	n/a	DDT/Endrin Breakdown Check
G6G3519-CC3507	6G94808.D	12/26/23 23:51	n/a	Continuing cal 25
OP51356-MB1	6G94810.D	12/27/23 00:56	OP51356	Method Blank
OP51356-BS1	6G94811.D	12/27/23 01:16	OP51356	Blank Spike
OP51354-MB1	6G94812.D	12/27/23 01:37	OP51354	Method Blank
OP51354-BS1	6G94813.D	12/27/23 01:57	OP51354	Blank Spike
JD79126-1	6G94814.D	12/27/23 02:18	OP51354	SB112 (6-6.5)
JD79126-2	6G94815.D	12/27/23 02:38	OP51354	SB111 (2.5-3)
JD79126-3	6G94816.D	12/27/23 02:59	OP51354	SB108 (3.5'-4')
JD79126-4	6G94817.D	12/27/23 03:19	OP51354	SB107 (6.5'-7')
OP51356-MS	6G94818.D	12/27/23 03:40	OP51356	Matrix Spike
OP51356-MSD	6G94819.D	12/27/23 04:00	OP51356	Matrix Spike Duplicate
ZZZZZZ	6G94821.D	12/27/23 04:41	OP51356	(unrelated sample)
ZZZZZZ	6G94822.D	12/27/23 05:01	OP51356	(unrelated sample)
ZZZZZZ	6G94823.D	12/27/23 05:22	OP51356	(unrelated sample)
ZZZZZZ	6G94824.D	12/27/23 05:42	OP51354	(unrelated sample)
ZZZZZZ	6G94825.D	12/27/23 06:03	OP51354	(unrelated sample)
OP51354-MS	6G94826.D	12/27/23 06:23	OP51354	Matrix Spike
OP51354-MSD	6G94827.D	12/27/23 06:44	OP51354	Matrix Spike Duplicate
JD79261-3	6G94828.D	12/27/23 07:04	OP51354	(used for QC only; not part of job JD79126)

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3521	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3521-DDT	6G94838.D	12/27/23 23:26	n/a	DDT/Endrin Breakdown Check
G6G3521-CC3507	6G94841.D	12/28/23 00:28	n/a	Continuing cal 2.5
OP51372-MB1	6G94843.D	12/28/23 02:15	OP51372	Method Blank
OP51372-BS1	6G94844.D	12/28/23 02:36	OP51372	Blank Spike
OP51372-MS	6G94845.D	12/28/23 02:56	OP51372	Matrix Spike
OP51372-MSD	6G94846.D	12/28/23 03:17	OP51372	Matrix Spike Duplicate
JD79296-1	6G94847.D	12/28/23 03:38	OP51372	(used for QC only; not part of job JD79126)
ZZZZZZ	6G94848.D	12/28/23 03:58	OP51372	(unrelated sample)
ZZZZZZ	6G94849.D	12/28/23 04:19	OP51372	(unrelated sample)
ZZZZZZ	6G94850.D	12/28/23 04:40	OP51372	(unrelated sample)
ZZZZZZ	6G94851.D	12/28/23 05:00	OP51372	(unrelated sample)
ZZZZZZ	6G94852.D	12/28/23 05:21	OP51372	(unrelated sample)
ZZZZZZ	6G94853.D	12/28/23 05:42	OP51372	(unrelated sample)
ZZZZZZ	6G94854.D	12/28/23 06:02	OP51372	(unrelated sample)
ZZZZZZ	6G94855.D	12/28/23 06:23	OP51372	(unrelated sample)
ZZZZZZ	6G94856.D	12/28/23 06:44	OP51372	(unrelated sample)
ZZZZZZ	6G94857.D	12/28/23 07:04	OP51372	(unrelated sample)
ZZZZZZ	6G94858.D	12/28/23 07:25	OP51372	(unrelated sample)
ZZZZZZ	6G94859.D	12/28/23 07:46	OP51372	(unrelated sample)
ZZZZZZ	6G94860.D	12/28/23 08:07	OP51372	(unrelated sample)
ZZZZZZ	6G94861.D	12/28/23 08:27	OP51372	(unrelated sample)

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM284	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRM284-IC284	RM12953.D	08/26/23 02:00	n/a	Initial cal 10
GRM284-IC284	RM12954.D	08/26/23 02:17	n/a	Initial cal 25
GRM284-IC284	RM12955.D	08/26/23 02:33	n/a	Initial cal 50
GRM284-ICC284	RM12956.D	08/26/23 02:50	n/a	Initial cal 100
GRM284-IC284	RM12957.D	08/26/23 03:06	n/a	Initial cal 200
GRM284-IC284	RM12958.D	08/26/23 03:23	n/a	Initial cal 300
GRM284-IC284	RM12959.D	08/26/23 03:39	n/a	Initial cal 500
GRM284-IC284	RM12960.D	08/26/23 03:56	n/a	Initial cal 1000
GRM284-IC284	RM12961.D	08/26/23 04:12	n/a	Initial cal 2000
GRM284-IC284	RM12962.D	08/26/23 04:29	n/a	Initial cal 100
GRM284-IC284	RM12963.D	08/26/23 04:45	n/a	Initial cal 100
GRM284-IC284	RM12964.D	08/26/23 05:02	n/a	Initial cal 100
GRM284-IC284	RM12965.D	08/26/23 05:19	n/a	Initial cal 100
GRM284-ICV284	RM12966.D	08/26/23 05:35	n/a	Initial cal verification 100
GRM284-ICV284	RM12967.D	08/26/23 05:52	n/a	Initial cal verification 100
GRM284-ICV284	RM12968.D	08/26/23 06:08	n/a	Initial cal verification 100
GRM284-ICV284	RM12969.D	08/26/23 06:25	n/a	Initial cal verification 100
GRM284-ICV284	RM12970.D	08/26/23 06:41	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM390	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRM390-CC284	RM17533.D	12/26/23 09:56	n/a	Continuing cal 100
OP51376-MB1	RM17535.D	12/26/23 10:43	OP51376	Method Blank
OP51376-BS1	RM17536.D	12/26/23 10:59	OP51376	Blank Spike
OP51376-MS	RM17537.D	12/26/23 11:16	OP51376	Matrix Spike
OP51376-MSD	RM17538.D	12/26/23 11:33	OP51376	Matrix Spike Duplicate
JD79184-18	RM17539.D	12/26/23 11:49	OP51376	(used for QC only; not part of job JD79126)
OP51355-MB1	RM17541.D	12/26/23 12:22	OP51355	Method Blank
OP51355-BS1	RM17542.D	12/26/23 12:39	OP51355	Blank Spike
GRM390-CC284	RM17543.D	12/26/23 12:56	n/a	Continuing cal 50
OP51355-MS	RM17545.D	12/26/23 13:29	OP51355	Matrix Spike
OP51355-MSD	RM17546.D	12/26/23 13:45	OP51355	Matrix Spike Duplicate
JD79126-1	RM17547.D	12/26/23 14:02	OP51355	SB112 (6-6.5)
JD79126-2	RM17548.D	12/26/23 14:19	OP51355	SB111 (2.5-3)
JD79126-3	RM17549.D	12/26/23 14:35	OP51355	SB108 (3.5'-4')
JD79126-4	RM17550.D	12/26/23 14:52	OP51355	SB107 (6.5'-7')
ZZZZZZ	RM17551.D	12/26/23 15:09	OP51355	(unrelated sample)
GRM390-CC284	RM17554.D	12/26/23 15:58	n/a	Continuing cal 100
ZZZZZZ	RM17556.D	12/26/23 16:32	OP51355	(unrelated sample)
ZZZZZZ	RM17557.D	12/26/23 16:48	OP51355	(unrelated sample)
ZZZZZZ	RM17558.D	12/26/23 17:05	OP51355	(unrelated sample)
ZZZZZZ	RM17559.D	12/26/23 17:22	OP51355	(unrelated sample)
ZZZZZZ	RM17560.D	12/26/23 17:38	OP51355	(unrelated sample)
ZZZZZZ	RM17561.D	12/26/23 17:55	OP51355	(unrelated sample)
ZZZZZZ	RM17562.D	12/26/23 18:12	OP51355	(unrelated sample)
GRM390-CC284	RM17565.D	12/26/23 19:02	n/a	Continuing cal 50
ZZZZZZ	RM17567.D	12/26/23 19:35	OP51355	(unrelated sample)
JD79261-4	RM17568.D	12/26/23 19:52	OP51355	(used for QC only; not part of job JD79126)
ZZZZZZ	RM17569.D	12/26/23 20:08	OP51355	(unrelated sample)
ZZZZZZ	RM17570.D	12/26/23 20:25	OP51355	(unrelated sample)
ZZZZZZ	RM17571.D	12/26/23 20:42	OP51355	(unrelated sample)
ZZZZZZ	RM17572.D	12/26/23 20:58	OP51355	(unrelated sample)
ZZZZZZ	RM17573.D	12/26/23 21:15	OP51355	(unrelated sample)
GRM390-CC284	RM17576.D	12/26/23 22:05	n/a	Continuing cal 100
ZZZZZZ	RM17578.D	12/26/23 22:38	OP51355	(unrelated sample)
OP51358-MB1	RM17580.D	12/26/23 23:11	OP51358	Method Blank
OP51358-BS1	RM17581.D	12/26/23 23:28	OP51358	Blank Spike
OP51358-MS	RM17582.D	12/26/23 23:44	OP51358	Matrix Spike
OP51358-MSD	RM17583.D	12/27/23 00:01	OP51358	Matrix Spike Duplicate
ZZZZZZ	RM17584.D	12/27/23 00:18	OP51358	(unrelated sample)
GRM390-CC284	RM17587.D	12/27/23 01:07	n/a	Continuing cal 50
JD79272-9	RM17589.D	12/27/23 01:41	OP51358	(used for QC only; not part of job JD79126)
ZZZZZZ	RM17590.D	12/27/23 01:57	OP51358	(unrelated sample)
ZZZZZZ	RM17591.D	12/27/23 02:14	OP51358	(unrelated sample)
ZZZZZZ	RM17592.D	12/27/23 02:30	OP51358	(unrelated sample)
ZZZZZZ	RM17593.D	12/27/23 02:47	OP51358	(unrelated sample)
ZZZZZZ	RM17594.D	12/27/23 03:04	OP51358	(unrelated sample)

Run Sequence Report

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRM390	**Method:** SW846 8082A	**Instrument ID:** GCRM

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ZZZZZZ	RM17595.D	12/27/23 03:20	OP51358	(unrelated sample)
GRM390-CC284	RM17598.D	12/27/23 04:10	n/a	Continuing cal 100
ZZZZZZ	RM17600.D	12/27/23 04:43	OP51358	(unrelated sample)
ZZZZZZ	RM17601.D	12/27/23 05:00	OP51358	(unrelated sample)
ZZZZZZ	RM17602.D	12/27/23 05:20	OP51358	(unrelated sample)
ZZZZZZ	RM17603.D	12/27/23 05:36	OP51358	(unrelated sample)
ZZZZZZ	RM17604.D	12/27/23 05:53	OP51358	(unrelated sample)
ZZZZZZ	RM17605.D	12/27/23 06:10	OP51358	(unrelated sample)
ZZZZZZ	RM17606.D	12/27/23 06:26	OP51358	(unrelated sample)
GRM390-CC284	RM17609.D	12/27/23 07:34	n/a	Continuing cal 50
ZZZZZZ	RM17611.D	12/27/23 08:07	OP51358	(unrelated sample)
ZZZZZZ	RM17612.D	12/27/23 08:24	OP51358	(unrelated sample)
GRM390-CC284	RM17615.D	12/27/23 09:14	n/a	Continuing cal 100

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:41	MA55287-STD1	1		STDA
09:47	MA55287-STD2	1		STDB
09:52	MA55287-ICV1	1		
09:57	MA55287-ICB1	1		
10:03	MA55287-ICCV1	1		
10:13	MA55287-CCB1	1		
10:17	MA55287-CRI1	1		
10:22	MA55287-CRID1	1		
10:27	MA55287-ICSA1	1		
10:32	MA55287-ICSAB1	1		
10:37	MA55287-HSTD1	1		
10:42	MA55287-HSTD2	1		
10:47	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:08	MA55287-CCV1	1		
11:13	MA55287-CCB2	1		
11:18	MA55287-CRI2	1		
11:23	ZZZZZZ	1		
11:28	MP43882-S1	5		
11:33	MP43882-S1	5		
11:38	JD79272-50	5		(sample used for QC only; not part of login JD79126)
11:42	MP43882-SD1	25		
11:48	ZZZZZZ	5		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	10		
12:02	ZZZZZZ	5		
12:07	MA55287-CCV2	1		
12:12	MA55287-CCB3	1		
12:17	ZZZZZZ	5		
12:22	ZZZZZZ	5		
12:27	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:32	ZZZZZZ	2		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	2		
12:47	ZZZZZZ	2		
12:52	ZZZZZZ	5		
12:57	ZZZZZZ	2		
13:02	MA55287-CCV3	1		
13:06	MA55287-CCB4	1		
13:12	ZZZZZZ	2		
13:17	ZZZZZZ	5		
13:22	ZZZZZZ	1		
13:27	MP43841-S1	10		
13:32	MP43841-S2	10		
13:37	JD78934-1	10		(sample used for QC only; not part of login JD79126)
13:42	MP43841-SD1	50		
13:47	ZZZZZZ	2		
13:52	ZZZZZZ	5		
13:57	ZZZZZZ	1		
14:02	ZZZZZZ	5		
14:02	ZZZZZZ	5		
14:08	MA55287-CCV4	1		
14:12	MA55287-CCB5	1		
14:17	ZZZZZZ	1		
14:23	ZZZZZZ	5		
14:28	MP43837-SD1	25		
14:33	ZZZZZZ	10		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	2		
14:48	MP43876-MB1	1		
14:53	MP43876-LB1	1		
14:58	MP43876-B1	1		
15:03	MP43876-LS1	1		
15:08	MA55287-CCV5	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:13	MA55287-CCB6	1		
15:18	MP43876-S1	1		
15:22	MP43876-S2	1		
15:27	JD78982-1	1		(sample used for QC only; not part of login JD79126)
15:32	MP43876-SD1	5		
15:37	MP43877-B1	1		
15:42	MP43877-MB1	1		
15:47	MP43877-LB1	1		
15:52	MP43877-LS1	1		
15:57	MP43877-S1	1		
16:02	MP43877-S2	1		
16:07	MA55287-CCV6	1		
16:11	MA55287-CCB7	1		
16:16	JD78982-1	1		(sample used for QC only; not part of login JD79126)
16:16	JD78939-1A	1		(sample used for QC only; not part of login JD79126)
16:22	MP43877-SD1	5		
16:27	MP43884-B1	1		
16:31	MP43884-MB1	1		
16:37	MP43884-S1	1		
16:42	MP43884-S2	1		
16:47	JD79126-2	1		
16:52	MP43884-SD1	5		
16:57	MP43884-PS1	1		
17:02	JD79126-1	1		
---------->	Last reportable sample/prep for job JD79126			
17:07	MA55287-CCV7	1		
17:11	MA55287-CCB8	1		
---------->	Last reportable CCB for job JD79126			
17:17	JD79126-3	1		no results reported from this point forward, instrument problems
17:21	JD79126-4	1		
17:26	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:51	ZZZZZZ	1		
17:56	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:06	MA55287-CCV8	1		
18:11	MA55287-CCB9	1		
18:16	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:26	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
09:52	MA55287-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
09:57	MA55287-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:03	MA55287-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:13	MA55287-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:17	MA55287-CRI1	1																							
10:22	MA55287-CRID1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:27	MA55287-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:32	MA55287-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:37	MA55287-HSTD1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:42	MA55287-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:47	ZZZZZZ	1																							
10:53	ZZZZZZ	1																							
10:58	ZZZZZZ	1																							
11:03	ZZZZZZ	1																							
11:08	MA55287-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:13	MA55287-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:18	MA55287-CRI2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:23	ZZZZZZ	1																							
11:28	MP43882-S1	5						X			X	X				X		X	X		X				
11:33	MP43882-S1	5						X			X	X				X		X	X		X				
11:38	JD79272-50	5						X			X	X				X		X	X		X				(a)
11:42	MP43882-SD1	25						X			X	X				X		X	X		X				
11:48	ZZZZZZ	5																							
11:52	ZZZZZZ	5																							
11:57	ZZZZZZ	10																							
12:02	ZZZZZZ	5																							
12:07	MA55287-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:12	MA55287-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:17	ZZZZZZ	5																							
12:22	ZZZZZZ	5																							
12:27	ZZZZZZ	5																							
12:32	ZZZZZZ	2																							
12:37	ZZZZZZ	5																							
	Element:		Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:42	ZZZZZZ	2																							
12:47	ZZZZZZ	2																							
12:52	ZZZZZZ	5																							
12:57	ZZZZZZ	2																							
13:02	MA55287-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:06	MA55287-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:12	ZZZZZZ	2																							
13:17	ZZZZZZ	5																							
13:22	ZZZZZZ	1																							
13:27	MP43841-S1	10			X								X	X											
13:32	MP43841-S2	10			X								X	X											
13:37	JD78934-1	10											X												(a)
13:42	MP43841-SD1	50			X								X	X											
13:47	ZZZZZZ	2																							
13:52	ZZZZZZ	5																							
13:57	ZZZZZZ	1																							
14:02	ZZZZZZ	5																							
14:02	ZZZZZZ	5																							
14:08	MA55287-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:12	MA55287-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:17	ZZZZZZ	1																							
14:23	ZZZZZZ	5																							
14:28	MP43837-SD1	25																			X				
14:33	ZZZZZZ	10																							
14:38	ZZZZZZ	1																							
14:43	ZZZZZZ	2																							
14:48	MP43876-MB1	1			X	X		X		X				X					X	X					
14:53	MP43876-LB1	1																							
14:58	MP43876-B1	1			X	X		X		X				X					X	X					
15:03	MP43876-LS1	1			X	X		X		X				X					X	X					
15:08	MA55287-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:13	MA55287-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:18	MP43876-S1	1			X	X		X		X				X					X	X					
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
15:22	MP43876-S2	1			X	X		X		X				X					X	X					
15:27	JD78982-1	1			X	X		X		X				X					X	X					(a)
15:32	MP43876-SD1	5			X	X		X		X				X					X	X					
15:37	MP43877-B1	1																	X						
15:42	MP43877-MB1	1																	X						
15:47	MP43877-LB1	1																							
15:52	MP43877-LS1	1																	X						
15:57	MP43877-S1	1																	X						
16:02	MP43877-S2	1																	X						
16:07	MA55287-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:11	MA55287-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:16	JD78982-1	1	actually jd78939-1a																						
16:16	JD78939-1A	1																	X						(a)
16:22	MP43877-SD1	5																	X						
16:27	MP43884-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:31	MP43884-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:37	MP43884-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:42	MP43884-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:47	JD79126-2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:52	MP43884-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MP43884-PS1	1		X																					
17:02	JD79126-1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:07	MA55287-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:11	MA55287-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:17	JD79126-3	1	no results reported from this point forward, instrument problems																						
17:21	JD79126-4	1																							
17:26	ZZZZZZ	1																							
17:31	ZZZZZZ	1																							
17:36	ZZZZZZ	1																							
17:41	ZZZZZZ	1																							
17:46	ZZZZZZ	1																							
17:51	ZZZZZZ	1																							
17:56	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
18:01	ZZZZZZ	1																						
18:06	MA55287-CCV8	1																						
18:11	MA55287-CCB9	1																						
18:16	ZZZZZZ	1																						
18:21	ZZZZZZ	1																						
18:26	ZZZZZZ	1																						

(a) Sample used for QC only; not part of login JD79126.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:41	MA55287-STD1	3517 R	145610 R	5852 R	8031 R
09:47	MA55287-STD2	3340	137750	5738	7685
09:52	MA55287-ICV1	3418	140620	5807	7821
09:57	MA55287-ICB1	3508	144600	5876	7998
10:03	MA55287-ICCV1	3413	140950	5825	7804
10:13	MA55287-CCB1	3528	145760	5880	8044
10:17	MA55287-CRI1	No results reported for the elements associated with this internal standard.			
10:22	MA55287-CRID1	3519	144790	5872	8018
10:27	MA55287-ICSA1	3188	130830	5694	7245
10:32	MA55287-ICSAB1	3154	128580	5599	7197
10:37	MA55287-HSTD1	3444	143190	5863	8117
10:42	MA55287-HSTD2	3219	131130	5623	7277
10:47	ZZZZZZ	3460	142340	5846	8129
10:53	ZZZZZZ	3441	144960	5899	7988
10:58	ZZZZZZ	4241	142850	5829	999999 !
11:03	ZZZZZZ	3499	143790	5879	7975
11:08	MA55287-CCV1	3396	139100	5782	7768
11:13	MA55287-CCB2	3469	144770	5850	7908
11:18	MA55287-CRI2	3479	142940	5847	7935
11:23	ZZZZZZ	3484	144860	5951	7948
11:28	MP43882-S1	3466	143060	5897	8009
11:33	MP43882-S1	3467	143530	5879	7982
11:38	JD79272-50	3478	143580	5884	8036
11:42	MP43882-SD1	3492	144770	5867	7973
11:48	ZZZZZZ	3454	141770	5903	7987
11:52	ZZZZZZ	3455	142850	5874	7816
11:57	ZZZZZZ	3468	143040	5943	7899
12:02	ZZZZZZ	3395	139970	5860	7664
12:07	MA55287-CCV2	3378	139120	5740	7736
12:12	MA55287-CCB3	3490	143700	5836	7968
12:17	ZZZZZZ	3480	143360	5921	8055
12:22	ZZZZZZ	3453	142580	5935	7928
12:27	ZZZZZZ	3480	143990	5920	7968

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:32	ZZZZZZ	3469	144690	5995	7976
12:37	ZZZZZZ	3453	143070	5890	8019
12:42	ZZZZZZ	3473	144250	6037	7908
12:47	ZZZZZZ	3481	144010	6075	7977
12:52	ZZZZZZ	3483	144320	5941	8052
12:57	ZZZZZZ	3441	142650	5922	7913
13:02	MA55287-CCV3	3405	140400	5839	7791
13:06	MA55287-CCB4	3493	145470	5872	7977
13:12	ZZZZZZ	3578	148970	6172	7945
13:17	ZZZZZZ	3429	142490	5910	7771
13:22	ZZZZZZ	3528	146330	5968	8060
13:27	MP43841-S1	3248	129230	5662	7206
13:32	MP43841-S2	3272	129540	5631	7251
13:37	JD78934-1	3273	128760	5623	7250
13:42	MP43841-SD1	3401	137290	5748	7713
13:47	ZZZZZZ	2915	112630	5333	6300
13:52	ZZZZZZ	3345	138020	5610	7722
13:57	ZZZZZZ	3482	999999 !	5808	7968
14:02	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:02	ZZZZZZ	3295	134360	5640	7434
14:08	MA55287-CCV4	3339	138600	5694	7652
14:12	MA55287-CCB5	3451	143410	5778	7884
14:17	ZZZZZZ	3445	143880	5816	7877
14:23	ZZZZZZ	3394	138670	5721	7691
14:28	MP43837-SD1	3442	142130	5770	7858
14:33	ZZZZZZ	3440	142010	5790	7849
14:38	ZZZZZZ	3440	143810	5791	7869
14:43	ZZZZZZ	3313	136710	5699	7516
14:48	MP43876-MB1	3438	143660	5785	7864
14:53	MP43876-LB1	3447	144220	5800	7881
14:58	MP43876-B1	3367	139660	5747	7744
15:03	MP43876-LS1	3358	140190	5754	7727
15:08	MA55287-CCV5	3372	139220	5692	7716

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:13	MA55287-CCB6	3465	143680	5791	7911
15:18	MP43876-S1	3328	137810	5722	7646
15:22	MP43876-S2	3331	137310	5697	7645
15:27	JD78982-1	3417	140220	5740	7811
15:32	MP43876-SD1	3443	143420	5756	7915
15:37	MP43877-B1	3394	141270	5769	7810
15:42	MP43877-MB1	3471	144640	5853	7941
15:47	MP43877-LB1	3453	144930	5847	7902
15:52	MP43877-LS1	3392	137910	5784	7795
15:57	MP43877-S1	3389	140510	5797	7787
16:02	MP43877-S2	3386	140750	5807	7787
16:07	MA55287-CCV6	3360	138710	5708	7698
16:11	MA55287-CCB7	3449	143160	5737	7891
16:16	JD78982-1	No results reported for the elements associated with this internal standard.			
16:16	JD78939-1A	3474	999999 !a	5873	7934
16:22	MP43877-SD1	3448	142890	5792	7878
16:27	MP43884-B1	3380	139940	5742	7770
16:31	MP43884-MB1	3456	144100	5776	7890
16:37	MP43884-S1	3447	143620	5946	7715
16:42	MP43884-S2	3366	140240	5798	7569
16:47	JD79126-2	3268	133540	5176	7336
16:52	MP43884-SD1	3200	129500	4620	7283
16:57	MP43884-PS1	3202	128460	4716	7216
17:02	JD79126-1	3231	130040	4732	7308
17:07	MA55287-CCV7	3364	138980	5603	7712
17:11	MA55287-CCB8	3445	143240	5693	7884
17:17	JD79126-3	No results reported for the elements associated with this internal standard.			
17:21	JD79126-4	No results reported for the elements associated with this internal standard.			
17:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:31	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:51	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:56	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:06	MA55287-CCV8	No results reported for the elements associated with this internal standard.			
18:11	MA55287-CCB9	No results reported for the elements associated with this internal standard.			
18:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			09:57		10:13		11:13		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	-8.30	<200	0.400	<200	-2.70	<200	9.00	<200
Antimony	6.0	2.8	-1.10	<6.0	-0.700	<6.0	-1.30	<6.0	-0.400	<6.0
Arsenic	3.0	2.6	0.200	<3.0	-0.700	<3.0	0.300	<3.0	-0.700	<3.0
Barium	200	.2	0.500	<200	0.200	<200	0.100	<200	0.200	<200
Beryllium	1.0	.2	0.100	<1.0	0.00	<1.0	-0.200	<1.0	0.200	<1.0
Bismuth	20	2.5								
Boron	100	1.8								
Cadmium	3.0	.4	-0.100	<3.0	0.00	<3.0	0.100	<3.0	0.00	<3.0
Calcium	5000	13	0.800	<5000	3.30	<5000	-2.00	<5000	0.00	<5000
Cerium	100									
Chromium	10	.7	0.00	<10	-0.200	<10	-0.100	<10	0.00	<10
Cobalt	50	.6	-0.100	<50	-0.100	<50	0.100	<50	-0.100	<50
Copper	10	.7	-0.200	<10	-0.300	<10	0.500	<10	0.700	<10
Iron	100	3.3	-2.80	<100	-0.800	<100	-1.00	<100	-7.20	<100
Lead	3.0	2	-0.400	<3.0	0.100	<3.0	-0.700	<3.0	0.100	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-35.6	<5000	-52.5	<5000	-30.3	<5000	-42.9	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.8	0.400	<10	0.200	<10	0.00	<10	0.300	<10
Phosphorus	50	7								
Potassium	10000	35	5.60	<10000	-40.9	<10000	-37.3	<10000	-23.1	<10000
Selenium	10	3.6	1.30	<10	1.20	<10	1.10	<10	0.600	<10
Silicon	200	2.2								
Silver	10	.6	0.00	<10	-0.100	<10	0.300	<10	0.00	<10
Sodium	10000	14	-4.40	<10000	-3.50	<10000	-22.9	<10000	-28.1	<10000
Strontium	10	.1								
Sulfur	50	3.7								
Thallium	10	5.2	0.700	<10	0.400	<10	1.10	<10	0.900	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.00	<50	0.100	<50	0.100	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			09:57		10:13		11:13		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.500	<20	-0.300	<20	-0.300	<20	-0.700	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			13:06		14:12		15:13		16:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	-8.40	<200	-0.100	<200	2.00	<200	-0.100	<200
Antimony	6.0	2.8	-0.400	<6.0	-0.100	<6.0	-1.30	<6.0	-0.600	<6.0
Arsenic	3.0	2.6	0.600	<3.0	-0.300	<3.0	-0.400	<3.0	-0.500	<3.0
Barium	200	.2	0.300	<200	0.300	<200	0.200	<200	0.00	<200
Beryllium	1.0	.2	0.00	<1.0	0.00	<1.0	0.300	<1.0	-0.100	<1.0
Bismuth	20	2.5								
Boron	100	1.8								
Cadmium	3.0	.4	-0.100	<3.0	0.100	<3.0	-0.100	<3.0	0.00	<3.0
Calcium	5000	13	-5.70	<5000	-0.100	<5000	-2.80	<5000	0.800	<5000
Cerium	100									
Chromium	10	.7	-0.200	<10	0.00	<10	-0.100	<10	-0.100	<10
Cobalt	50	.6	-0.200	<50	-0.100	<50	-0.200	<50	-0.300	<50
Copper	10	.7	0.400	<10	0.600	<10	0.400	<10	1.20	<10
Iron	100	3.3	-1.80	<100	-1.50	<100	3.70	<100	1.00	<100
Lead	3.0	2	0.100	<3.0	0.800	<3.0	0.100	<3.0	0.400	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-9.70	<5000	-27.4	<5000	-24.0	<5000	-34.3	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.100	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.8	0.100	<10	0.200	<10	0.200	<10	0.100	<10
Phosphorus	50	7								
Potassium	10000	35	-44.4	<10000	22.2	<10000	-49.0	<10000	-12.0	<10000
Selenium	10	3.6	1.10	<10	0.00	<10	-0.300	<10	1.80	<10
Silicon	200	2.2								
Silver	10	.6	-0.700	<10	0.200	<10	-0.200	<10	0.100	<10
Sodium	10000	14	-28.6	<10000	44.0	<10000	-5.30	<10000	-17.8	<10000
Strontium	10	.1								
Sulfur	50	3.7								
Thallium	10	5.2	1.40	<10	1.10	<10	-0.300	<10	0.900	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.300	<50	0.00	<50	0.100	<50	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			13:06		14:12		15:13		16:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.400	<20	-0.400	<20	-0.400	<20	-0.400	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			17:11	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	9.2	9.70	<200
Antimony	6.0	2.8	-0.700	<6.0
Arsenic	3.0	2.6	-0.400	<3.0
Barium	200	.2	0.700	<200
Beryllium	1.0	.2	0.100	<1.0
Bismuth	20	2.5		
Boron	100	1.8		
Cadmium	3.0	.4	-0.100	<3.0
Calcium	5000	13	-2.60	<5000
Cerium	100			
Chromium	10	.7	0.100	<10
Cobalt	50	.6	0.00	<50
Copper	10	.7	0.200	<10
Iron	100	3.3	-5.10	<100
Lead	3.0	2	-0.600	<3.0
Lithium	50	1.5		
Magnesium	5000	25	21.9	<5000
Manganese	15	.1	0.100	<15
Molybdenum	20	.6		
Nickel	10	.8	0.00	<10
Phosphorus	50	7		
Potassium	10000	35	-15.1	<10000
Selenium	10	3.6	0.600	<10
Silicon	200	2.2		
Silver	10	.6	-0.300	<10
Sodium	10000	14	-14.4	<10000
Strontium	10	.1		
Sulfur	50	3.7		
Thallium	10	5.2	0.700	<10
Tin	10	1.4		
Titanium	10	.8		
Tungsten	50	1.3		
Vanadium	50	.5	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			17:11	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zinc	20	.3	-0.700	<20
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55287 Units: ug/l

Time:		10:03	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	40200	100.5
Antimony	2000	2010	100.5
Arsenic	2000	2010	100.5
Barium	2000	2010	100.5
Beryllium	2000	2040	102.0
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	40000	40600	101.5
Cerium			
Chromium	2000	2040	102.0
Cobalt	2000	2030	101.5
Copper	2000	2000	100.0
Iron	40000	40400	101.0
Lead	2000	2050	102.5
Lithium			
Magnesium	40000	39900	99.8
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2060	103.0
Phosphorus			
Potassium	40000	39800	99.5
Selenium	2000	2010	100.5
Silicon			
Silver	250	250	100.0
Sodium	40000	40000	100.0
Strontium			
Sulfur			
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55287 Units: ug/l

Time:		10:03	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2050	102.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		09:52			11:08			12:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40700	101.8	40000	40600	101.5
Antimony	2000	1950	97.5	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2010	100.5
Barium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	2070	103.5	2000	2050	102.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	1940	97.0	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40400	101.0	40000	40800	102.0	40000	40600	101.5
Cerium									
Chromium	2000	1990	99.5	2000	2080	104.0	2000	2060	103.0
Cobalt	2000	1990	99.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Iron	40000	40800	102.0	40000	40200	100.5	40000	39900	99.8
Lead	2000	2000	100.0	2000	2070	103.5	2000	2060	103.0
Lithium									
Magnesium	40000	39100	97.8	40000	40000	100.0	40000	39800	99.5
Manganese	2000	2030	101.5	2000	2110	105.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2080	104.0	2000	2060	103.0
Phosphorus									
Potassium	40000	39500	98.8	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Silicon									
Silver	250	253	101.2	250	253	101.2	250	253	101.2
Sodium	40000	39500	98.8	40000	40600	101.5	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2000	100.0	2000	2080	104.0	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	2070	103.5	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		09:52			11:08			12:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2070	103.5	2000	2050	102.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		13:02			14:08			15:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	41200	103.0	40000	41000	102.5
Antimony	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Arsenic	2000	2020	101.0	2000	2060	103.0	2000	2050	102.5
Barium	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Beryllium	2000	2040	102.0	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40400	101.0	40000	41100	102.8	40000	41000	102.5
Cerium									
Chromium	2000	2050	102.5	2000	2090	104.5	2000	2080	104.0
Cobalt	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Copper	2000	2040	102.0	2000	2070	103.5	2000	2070	103.5
Iron	40000	39700	99.3	40000	40400	101.0	40000	40200	100.5
Lead	2000	2060	103.0	2000	2090	104.5	2000	2090	104.5
Lithium									
Magnesium	40000	39400	98.5	40000	39900	99.8	40000	40000	100.0
Manganese	2000	2090	104.5	2000	2110	105.5	2000	2110	105.5
Molybdenum									
Nickel	2000	2070	103.5	2000	2100	105.0	2000	2100	105.0
Phosphorus									
Potassium	40000	39900	99.8	40000	40700	101.8	40000	40800	102.0
Selenium	2000	2020	101.0	2000	2060	103.0	2000	2040	102.0
Silicon									
Silver	250	253	101.2	250	257	102.8	250	256	102.4
Sodium	40000	40300	100.8	40000	40700	101.8	40000	40900	102.3
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2110	105.5	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		13:02			14:08			15:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2060	103.0	2000	2090	104.5	2000	2080	104.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		16:07			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	41000	102.5
Antimony	2000	2070	103.5	2000	2040	102.0
Arsenic	2000	2060	103.0	2000	2030	101.5
Barium	2000	2060	103.0	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2050	102.5
Bismuth						
Boron						
Cadmium	2000	2070	103.5	2000	2040	102.0
Calcium	40000	41000	102.5	40000	40900	102.3
Cerium						
Chromium	2000	2090	104.5	2000	2070	103.5
Cobalt	2000	2080	104.0	2000	2060	103.0
Copper	2000	2070	103.5	2000	2050	102.5
Iron	40000	40100	100.3	40000	40200	100.5
Lead	2000	2100	105.0	2000	2080	104.0
Lithium						
Magnesium	40000	39900	99.8	40000	39800	99.5
Manganese	2000	2120	106.0	2000	2100	105.0
Molybdenum						
Nickel	2000	2100	105.0	2000	2080	104.0
Phosphorus						
Potassium	40000	40800	102.0	40000	40800	102.0
Selenium	2000	2050	102.5	2000	2040	102.0
Silicon						
Silver	250	257	102.8	250	257	102.8
Sodium	40000	41000	102.5	40000	40900	102.3
Strontium						
Sulfur						
Thallium	2000	2120	106.0	2000	2100	105.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	2090	104.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		16:07			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2080	104.0	2000	2070	103.5
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55287 Units: ug/l

Time:		10:37			10:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	302000	100.7
Antimony	8000	7840	98.0			
Arsenic	8000	7800	97.5			
Barium	8000	7980	99.8			
Beryllium	8000	8060	100.8			
Bismuth						
Boron						
Cadmium	8000	7850	98.1			
Calcium				200000	201000	100.5
Cerium						
Chromium	8000	8240	103.0			
Cobalt	8000	8130	101.6			
Copper	8000	8100	101.3			
Iron				200000	197000	98.5
Lead	8000	8150	101.9			
Lithium						
Magnesium				300000	295000	98.3
Manganese	8000	8120	101.5			
Molybdenum						
Nickel	8000	8130	101.6			
Phosphorus						
Potassium				200000	199000	99.5
Selenium	8000	7910	98.9			
Silicon						
Silver	625	648	103.7			
Sodium				200000	197000	98.5
Strontium						
Sulfur						
Thallium	8000	8080	101.0			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8140	101.8			

HIGH STANDARD CHECK SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55287 Units: ug/l

Time:		10:37			10:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8230	102.9			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55287 Units: ug/l

Time:				10:22		11:18	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	109	109.0	199	99.5
Antimony	6.0	20	3.0			4.90	81.7
Arsenic	8.0	20	3.0	2.90	96.7	7.50	93.8
Barium	200		4.0	4.40	110.0	200	100.0
Beryllium	2.0		1.0	1.00	100.0	2.40	120.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	0.900	90.0	3.20	106.7
Calcium	5000	2000	1000	1050	105.0	5170	103.4
Cerium							
Chromium	10		2.0	2.10	105.0	10.5	105.0
Cobalt	50		3.0	2.90	96.7	51.5	103.0
Copper	10		2.0			11.4	114.0
Iron	100	500				109	109.0
Lead	3.0	20	2.5			3.30	110.0
Lithium	50						
Magnesium	5000	2000	100	85.5	85.5	5030	100.6
Manganese	15		3.0	3.30	110.0	16.2	108.0
Molybdenum	20						
Nickel	10		4.0	4.20	105.0	10.8	108.0
Phosphorus	50						
Potassium	5000		2000	2000	100.0	4990	99.8
Selenium	10	20	5.0	5.10	102.0	11.8	118.0
Silicon	200						
Silver	5.0		2.0			5.40	108.0
Sodium	5000		1000	1010	101.0	5070	101.4
Strontium	10						
Sulfur	50						
Thallium	10		2.0			11.4	114.0
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	2.10	105.0	52.1	104.2

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55287 Units: ug/l

Time:				10:22		11:18	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	9.80	98.0	20.5	102.5
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55287 Units: ug/l

Time:			10:27		10:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	512000	102.4
Antimony		1000	0.700		1030	103.0
Arsenic		1000	0.100		1020	102.0
Barium		500	-6.40		496	99.2
Beryllium		500	0.400		512	102.4
Bismuth		500	-1.80		534	106.8
Boron		500	-3.60		512	102.4
Cadmium		1000	2.70		1070	107.0
Calcium	400000	400000	387000	96.8	389000	97.3
Cerium			-30.8		-2.30	
Chromium		500	0.00		488	97.6
Cobalt		500	-0.500		491	98.2
Copper		500	3.90		536	107.2
Iron	200000	200000	182000	91.0	191000	95.5
Lead		1000	0.00		971	97.1
Lithium		500	-8.60		520	104.0
Magnesium	500000	500000	480000	96.0	498000	99.6
Manganese		500	2.50		521	104.2
Molybdenum		500	-0.200		493	98.6
Nickel		1000	1.50		960	96.0
Phosphorus		500	16.4		515	103.0
Potassium			101		117	
Selenium		1000	4.70		1020	102.0
Silicon		500	-0.300		527	105.4
Silver		1000	-0.800		1070	107.0
Sodium			8.80		32.0	
Strontium		500	4.80		498	99.6
Sulfur		500	-1.20		485	97.0
Thallium		1000	-0.800		986	98.6
Tin		500	-2.50		493	98.6
Titanium		500	-0.500		505	101.0
Tungsten		500	-1.10		492	98.4
Vanadium		500	-0.100		509	101.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55287 Units: ug/l

Time:			10:27		10:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	4.50		989	98.9
Zirconium		500	-1.00		492	98.4

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:36	MA55288-STD1	1		b=9.1869e-005 c=-8.3067e-002 rho=0.9999510
17:37	MA55288-STD2	1		STDB
17:39	MA55288-STD3	1		STDC
17:41	MA55288-STD4	1		STDD
17:43	MA55288-STD5	1		STDE
17:45	MA55288-STD6	1		STDF
17:48	ZZZZZZ	1		
17:55	MA55288-ICV1	1		
17:57	MA55288-ICB1	1		
17:59	MA55288-CCV1	1		
18:03	MA55288-CCB1	1		
18:07	MA55288-CRI1	1		
18:11	MP43921-MB1	1		
18:12	MP43921-B1	1		
18:13	MP43921-S1	1		
18:16	MP43921-S2	1		
18:18	MP43921-LC1	50		
18:20	JD78643-2	1		(sample used for QC only; not part of login JD79126)
18:22	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:25	MA55288-CCV2	1		
18:27	MA55288-CCB2	1		
18:29	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:52	MA55288-CCV3	1		
18:54	MA55288-CCB3	1		
18:58	MA55288-CRI2	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:01	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:09	ZZZZZZ	1		
19:11	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:28	MA55288-CCV4	1		
19:32	MA55288-CCB4	1		
19:34	ZZZZZZ	1		
19:36	MP43922-MB1	1		
19:38	MP43922-B1	1		
19:39	MP43922-S1	1		
19:42	MP43922-S2	1		
19:44	JD79163-11	1		(sample used for QC only; not part of login JD79126)
19:46	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:51	ZZZZZZ	1		
20:01	MA55288-CCV5	1		
20:03	MA55288-CCB5	1		
20:06	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:35	MA55288-CCV6	1		
20:38	MA55288-CCB6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:41	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:48	JD79126-1	1		
20:50	JD79126-2	1		
20:52	JD79126-3	1		
20:55	JD79126-4	1		
---------->	Last reportable sample/prep for job JD79126			
20:57	MA55288-CCV7	1		
20:58	MA55288-CCB7	1		
---------->	Last reportable CCB for job JD79126			
21:01	ZZZZZZ	1		
21:02	MP43923-MB1	1		
21:04	MP43923-B1	1		
21:06	MP43923-S1	1		
21:08	MP43923-S2	1		
21:10	JD79269-2	1		(sample used for QC only; not part of login JD79126)
21:13	ZZZZZZ	1		
21:15	ZZZZZZ	1		
21:17	MA55288-CCV8	1		
21:19	MA55288-CCB8	1		
21:21	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:24	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:37	MA55288-CCV9	1		
21:40	MA55288-CCB9	1		
21:42	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:46	ZZZZZZ	1		
21:48	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:51	ZZZZZZ	1		
21:53	ZZZZZZ	1		
21:55	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:00	MA55288-CCV10	1		
22:03	MA55288-CCB10	1		
22:05	ZZZZZZ	1		
22:07	MP43924-MB1	1		
22:09	MP43924-B1	1		
22:11	MP43924-S1	1		
22:13	MP43924-S2	1		
22:16	JD79295-14	1		(sample used for QC only; not part of login JD79126)
22:19	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:29	MA55288-CCV11	1		
22:32	MA55288-CCB11	1		
22:35	ZZZZZZ	1		
22:36	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:45	ZZZZZZ	1		
22:48	ZZZZZZ	1		
22:51	ZZZZZZ	1		
22:54	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:10	MA55288-CCV12	1		
23:14	MA55288-CCB12	1		
23:16	ZZZZZZ	1		
23:18	ZZZZZZ	1		
23:21	ZZZZZZ	1		
23:25	ZZZZZZ	1		
23:28	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
23:31	ZZZZZZ	1		
23:34	ZZZZZZ	1		
23:52	MA55288-CCV13	1		
23:56	MA55288-CCB13	1		
00:10	ZZZZZZ	5		
00:12	ZZZZZZ	2		
00:14	MP43924-S1	10		
00:17	MP43924-S2	10		
00:19	JD79295-14	10		(sample used for QC only; not part of login JD79126)
00:22	ZZZZZZ	50		
00:24	ZZZZZZ	10		
00:26	MA55288-CCV14	1		
00:29	MA55288-CCB14	1		
00:31	ZZZZZZ	2		
00:33	ZZZZZZ	5		
00:35	ZZZZZZ	10		
00:38	ZZZZZZ	10		
00:40	ZZZZZZ	10		
00:43	ZZZZZZ	10		
00:45	ZZZZZZ	50		
00:47	ZZZZZZ	50		
00:50	MA55288-CCV15	1		
00:53	MA55288-CCB15	1		
00:55	ZZZZZZ	20		
00:57	ZZZZZZ	10		
00:59	ZZZZZZ	50		
01:02	ZZZZZZ	10		
01:04	MA55288-CCV16	1		
01:06	MA55288-CCB16	1		
01:19	ZZZZZZ	100		
01:21	MA55288-CCV17	1		
01:24	MA55288-CCB17	1		
01:29	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:31	MA55288-CCV18	1		
01:32	MA55288-CCB18	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
17:48	ZZZZZZ	1		
17:55	MA55288-ICV1	1	X	
17:57	MA55288-ICB1	1	X	
17:59	MA55288-CCV1	1	X	
18:03	MA55288-CCB1	1	X	
18:07	MA55288-CRI1	1	X	
18:11	MP43921-MB1	1	X	
18:12	MP43921-B1	1	X	
18:13	MP43921-S1	1	X	
18:16	MP43921-S2	1	X	
18:18	MP43921-LC1	50	X	
18:20	JD78643-2	1	X	(a)
18:22	ZZZZZZ	1		
18:24	ZZZZZZ	1		
18:25	MA55288-CCV2	1	X	
18:27	MA55288-CCB2	1	X	
18:29	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:32	ZZZZZZ	1		
18:33	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:36	ZZZZZZ	1		
18:38	ZZZZZZ	1		
18:40	ZZZZZZ	1		
18:52	MA55288-CCV3	1	X	
18:54	MA55288-CCB3	1	X	
18:58	MA55288-CRI2	1	X	
19:01	ZZZZZZ	1		
19:02	ZZZZZZ	1		
19:04	ZZZZZZ	1		
19:06	ZZZZZZ	1		
19:07	ZZZZZZ	1		
19:09	ZZZZZZ	1		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
19:11	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:28	MA55288-CCV4	1	X	
19:32	MA55288-CCB4	1	X	
19:34	ZZZZZZ	1		
19:36	MP43922-MB1	1	X	
19:38	MP43922-B1	1	X	
19:39	MP43922-S1	1	X	
19:42	MP43922-S2	1	X	
19:44	JD79163-11	1	X	(a)
19:46	ZZZZZZ	1		
19:49	ZZZZZZ	1		
19:51	ZZZZZZ	1		
20:01	MA55288-CCV5	1	X	
20:03	MA55288-CCB5	1	X	
20:06	ZZZZZZ	1		
20:07	ZZZZZZ	1		
20:09	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:17	ZZZZZZ	1		
20:20	ZZZZZZ	1		
20:35	MA55288-CCV6	1	X	
20:38	MA55288-CCB6	1	X	
20:41	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:44	ZZZZZZ	1		
20:46	ZZZZZZ	1		
20:48	JD79126-1	1	X	
20:50	JD79126-2	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
20:52	JD79126-3	1	X	
20:55	JD79126-4	1	X	
20:57	MA55288-CCV7	1	X	
20:58	MA55288-CCB7	1	X	
21:01	ZZZZZZ	1		
21:02	MP43923-MB1	1	X	
21:04	MP43923-B1	1	X	
21:06	MP43923-S1	1	X	
21:08	MP43923-S2	1	X	
21:10	JD79269-2	1	X	(a)
21:13	ZZZZZZ	1		
21:15	ZZZZZZ	1		
21:17	MA55288-CCV8	1	X	
21:19	MA55288-CCB8	1	X	
21:21	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:24	ZZZZZZ	1		
21:28	ZZZZZZ	1		
21:31	ZZZZZZ	1		
21:33	ZZZZZZ	1		
21:35	ZZZZZZ	1		
21:37	MA55288-CCV9	1	X	
21:40	MA55288-CCB9	1	X	
21:42	ZZZZZZ	1		
21:43	ZZZZZZ	1		
21:46	ZZZZZZ	1		
21:48	ZZZZZZ	1		
21:51	ZZZZZZ	1		
21:53	ZZZZZZ	1		
21:55	ZZZZZZ	1		
21:57	ZZZZZZ	1		
22:00	MA55288-CCV10	1	X	
22:03	MA55288-CCB10	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
22:05	ZZZZZZ	1		
22:07	MP43924-MB1	1	X	
22:09	MP43924-B1	1	X	
22:11	MP43924-S1	1		
22:13	MP43924-S2	1		
22:16	JD79295-14	1		(a)
22:19	ZZZZZZ	1		
22:22	ZZZZZZ	1		
22:24	ZZZZZZ	1		
22:29	MA55288-CCV11	1	X	
22:32	MA55288-CCB11	1	X	
22:35	ZZZZZZ	1		
22:36	ZZZZZZ	1		
22:39	ZZZZZZ	1		
22:42	ZZZZZZ	1		
22:45	ZZZZZZ	1		
22:48	ZZZZZZ	1		
22:51	ZZZZZZ	1		
22:54	ZZZZZZ	1		
22:57	ZZZZZZ	1		
23:10	MA55288-CCV12	1	X	
23:14	MA55288-CCB12	1	X	
23:16	ZZZZZZ	1		
23:18	ZZZZZZ	1		
23:21	ZZZZZZ	1		
23:25	ZZZZZZ	1		
23:28	ZZZZZZ	1		
23:31	ZZZZZZ	1		
23:34	ZZZZZZ	1		
23:52	MA55288-CCV13	1	X	
23:56	MA55288-CCB13	1	X	
00:10	ZZZZZZ	5		
00:12	ZZZZZZ	2		
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
Analyst: CB Run ID: MA55288
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
00:14	MP43924-S1	10	X	
00:17	MP43924-S2	10	X	
00:19	JD79295-14	10	X	(a)
00:22	ZZZZZZ	50		
00:24	ZZZZZZ	10		
00:26	MA55288-CCV14	1	X	
00:29	MA55288-CCB14	1	X	
00:31	ZZZZZZ	2		
00:33	ZZZZZZ	5		
00:35	ZZZZZZ	10		
00:38	ZZZZZZ	10		
00:40	ZZZZZZ	10		
00:43	ZZZZZZ	10		
00:45	ZZZZZZ	50		
00:47	ZZZZZZ	50		
00:50	MA55288-CCV15	1	X	
00:53	MA55288-CCB15	1	X	
00:55	ZZZZZZ	20		
00:57	ZZZZZZ	10		
00:59	ZZZZZZ	50		
01:02	ZZZZZZ	10		
01:04	MA55288-CCV16	1	X	
01:06	MA55288-CCB16	1	X	
01:19	ZZZZZZ	100		
01:21	MA55288-CCV17	1	X	
01:24	MA55288-CCB17	1	X	
01:29	ZZZZZZ	1		
01:31	MA55288-CCV18	1	X	
01:32	MA55288-CCB18	1	X	

(a) Sample used for QC only; not part of login JD79126.

Element:	Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55288 Units: ug/l

Time:			17:57		18:03		18:27		18:54	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	-0.00410	<0.20	0.0363	<0.20	-0.0321	<0.20	-0.00910	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55288 Units: ug/l

Time:			19:32		20:03		20:38		20:58	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Mercury	0.20	.034	0.0297	<0.20	-0.0122	<0.20	0.0417	<0.20	-0.0427	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55288 Units: ug/l

Time:		17:55			17:59			18:25	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.03	101.0	2.5	2.43	97.2	2.5	2.28	91.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55288 Units: ug/l

Time:		18:52			19:28			20:01	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.31	92.4	2.5	2.32	92.8	2.5	2.28	91.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55288 Units: ug/l

Time:		20:35			20:57	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Mercury	2.5	2.43	97.2	2.5	2.39	95.6

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122623S1.CSV Date Analyzed: 12/26/23 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA55288 Units: ug/l

Time:			18:07		18:58	
Sample ID:	CRI	CRIA	CRI1		CRI2	
Metal	True	True	Results	% Rec	Results	% Rec
Mercury	0.20		0.237	118.5	0.221	110.5

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
07:20	MA55290-STD1	1		STDA
07:25	MA55290-STD2	1		STDB
07:31	MA55290-ICV1	1		
07:39	MA55290-ICB1	1		
07:49	MA55290-ICCV1	1		
07:57	MA55290-CCB1	1		
08:05	MA55290-CRI1	1		
08:10	MA55290-CRID1	1		
08:15	MA55290-ICSA1	1		
08:20	MA55290-ICSAB1	1		
08:25	MA55290-HSTD1	1		
08:31	MA55290-HSTD2	1		
08:36	ZZZZZZ	1		
08:41	ZZZZZZ	1		
08:46	ZZZZZZ	1		
08:51	MA55290-CCV1	1		
08:56	MA55290-CCB2	1		
09:01	ZZZZZZ	1		
09:06	ZZZZZZ	1		
09:11	MP43808-PS1	1		
09:16	ZZZZZZ	1		
09:21	ZZZZZZ	1		
09:26	ZZZZZZ	1		
09:31	ZZZZZZ	1		
09:36	ZZZZZZ	1		
09:41	ZZZZZZ	1		
09:46	MA55290-CCV2	1		
09:51	MA55290-CCB3	1		
09:56	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
10:21	ZZZZZZ	1		
10:26	ZZZZZZ	5		
10:31	ZZZZZZ	5		
10:36	ZZZZZZ	10		
10:41	MA55290-CCV3	1		
10:46	MA55290-CCB4	1		
10:51	ZZZZZZ	5		
10:56	ZZZZZZ	5		
11:01	ZZZZZZ	5		
11:06	ZZZZZZ	2		
11:11	JD79126-3	1		
11:16	JD79126-4	1		
---------->	Last reportable sample/prep for job JD79126			
11:21	MP43871-S2	1		
11:26	ZZZZZZ	5		
11:31	ZZZZZZ	5		
11:36	MA55290-CCV4	1		
11:41	MA55290-CCB5	1		
---------->	Last reportable CCB for job JD79126			
11:46	ZZZZZZ	5		
11:51	ZZZZZZ	5		
11:56	ZZZZZZ	5		
12:01	ZZZZZZ	2		
12:06	ZZZZZZ	2		
12:10	ZZZZZZ	1		
12:15	ZZZZZZ	2		
12:20	ZZZZZZ	10		
12:25	ZZZZZZ	1		
12:30	MA55290-CCV5	1		
12:35	MA55290-CCB6	1		
12:40	ZZZZZZ	1		
12:45	ZZZZZZ	1		
12:50	ZZZZZZ	1		
12:55	ZZZZZZ	1		
13:00	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:05	ZZZZZZ	1		
13:10	ZZZZZZ	1		
13:15	ZZZZZZ	1		
13:23	MA55290-CCV6	1		
13:28	MA55290-CCB7	1		
14:23	ZZZZZZ	5		
14:27	ZZZZZZ	5		
14:31	MA55290-CCV7	1		
14:38	MA55290-CCB8	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
07:31	MA55290-ICV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:39	MA55290-ICB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:49	MA55290-ICCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
07:57	MA55290-CCB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:05	MA55290-CRI1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:10	MA55290-CRID1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:15	MA55290-ICSA1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:20	MA55290-ICSAB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:25	MA55290-HSTD1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:31	MA55290-HSTD2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:36	ZZZZZZ	1																						
08:41	ZZZZZZ	1																						
08:46	ZZZZZZ	1																						
08:51	MA55290-CCV1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
08:56	MA55290-CCB2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09:01	ZZZZZZ	1																						
09:06	ZZZZZZ	1																						
09:11	MP43808-PS1	1		X																				
09:16	ZZZZZZ	1																						
09:21	ZZZZZZ	1																						
09:26	ZZZZZZ	1																						
09:31	ZZZZZZ	1																						
09:36	ZZZZZZ	1																						
09:41	ZZZZZZ	1																						
09:46	MA55290-CCV2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09:51	MA55290-CCB3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
09:56	ZZZZZZ	1																						
10:01	ZZZZZZ	1																						
10:06	ZZZZZZ	1																						
10:11	ZZZZZZ	1																						
10:16	ZZZZZZ	1																						
10:21	ZZZZZZ	1																						
10:26	ZZZZZZ	5																						
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
10:31	ZZZZZZ	5																						
10:36	ZZZZZZ	10																						
10:41	MA55290-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10:46	MA55290-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
10:51	ZZZZZZ	5																						
10:56	ZZZZZZ	5																						
11:01	ZZZZZZ	5																						
11:06	ZZZZZZ	2																						
11:11	JD79126-3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:16	JD79126-4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:21	MP43871-S2	1																		X			X	
11:26	ZZZZZZ	5																						
11:31	ZZZZZZ	5																						
11:36	MA55290-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:41	MA55290-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
11:46	ZZZZZZ	5																						
11:51	ZZZZZZ	5																						
11:56	ZZZZZZ	5																						
12:01	ZZZZZZ	2																						
12:06	ZZZZZZ	2																						
12:10	ZZZZZZ	1																						
12:15	ZZZZZZ	2																						
12:20	ZZZZZZ	10																						
12:25	ZZZZZZ	1																						
12:30	MA55290-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:35	MA55290-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
12:40	ZZZZZZ	1																						
12:45	ZZZZZZ	1																						
12:50	ZZZZZZ	1																						
12:55	ZZZZZZ	1																						
13:00	ZZZZZZ	1																						
13:05	ZZZZZZ	1																						
13:10	ZZZZZZ	1																						
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: / Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
13:15	ZZZZZZ	1																						
13:23	MA55290-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:28	MA55290-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:23	ZZZZZZ	5																						
14:27	ZZZZZZ	5																						
14:31	MA55290-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:38	MA55290-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Element: / Dilution | Al | Sb | As | Ba | Be | Cd | Ca | Cr | Co | Cu | Fe | Pb | Mg | Mn | Ni | K | Se | Ag | Na | Tl | V | Zn

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
07:20	MA55290-STD1	6490 R	181980 R	12327 R	16064 R
07:25	MA55290-STD2	5985	164370	11818	14870
07:31	MA55290-ICV1	6158	172000	12077	15121
07:39	MA55290-ICB1	6341	178470	12123	15788
07:49	MA55290-ICCV1	6213	170390	11858	15133
07:57	MA55290-CCB1	6408	182170	12021	15780
08:05	MA55290-CRI1	6378	175660	11928	15599
08:10	MA55290-CRID1	6393	179080	11848	15692
08:15	MA55290-ICSA1	5931	155890	11433	14052
08:20	MA55290-ICSAB1	5877	154000	11528	13971
08:25	MA55290-HSTD1	6217	174910	12061	15927
08:31	MA55290-HSTD2	5971	158020	11481	14063
08:36	ZZZZZZ	6399	177730	11820	16035
08:41	ZZZZZZ	6311	181830	11841	15770
08:46	ZZZZZZ	6471	182760	11789	15765
08:51	MA55290-CCV1	6277	170420	11743	15078
08:56	MA55290-CCB2	6500	180270	11839	15806
09:01	ZZZZZZ	6249	171220	11648	15110
09:06	ZZZZZZ	6561	183630	12076	15868
09:11	MP43808-PS1	6528	178360	12466	15284
09:16	ZZZZZZ	6268	168830	12157	14427
09:21	ZZZZZZ	6323	169450	12397	14354
09:26	ZZZZZZ	6212	167610	12200	14150
09:31	ZZZZZZ	6264	167650	12175	14304
09:36	ZZZZZZ	6399	177660	11756	15820
09:41	ZZZZZZ	6443	177980	12016	15906
09:46	MA55290-CCV2	6296	173210	12027	15153
09:51	MA55290-CCB3	6507	183510	12149	15918
09:56	ZZZZZZ	6259	169140	12413	14269
10:01	ZZZZZZ	6182	166840	12205	14112
10:06	ZZZZZZ	6624	181230	12400	15681
10:11	ZZZZZZ	6533	178000	12551	15318
10:16	ZZZZZZ	6643	179780	12581	15680

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
10:21	ZZZZZZ	6644	179460	12586	15552
10:26	ZZZZZZ	6454	176170	12033	15388
10:31	ZZZZZZ	6424	174160	12014	15243
10:36	ZZZZZZ	6454	177210	12108	15471
10:41	MA55290-CCV3	6322	171050	11762	15243
10:46	MA55290-CCB4	6519	180600	12064	15939
10:51	ZZZZZZ	6419	176060	12103	15251
10:56	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
11:06	ZZZZZZ	6537	178930	12231	15531
11:11	JD79126-3	6663	181070	12617	15518
11:16	JD79126-4	6552	179040	12479	15538
11:21	MP43871-S2	6480	176860	12286	15313
11:26	ZZZZZZ	6443	179050	12311	15655
11:31	ZZZZZZ	6508	180630	12338	15873
11:36	MA55290-CCV4	6326	174260	11885	15243
11:41	MA55290-CCB5	6500	183170	12140	15905
11:46	ZZZZZZ	6453	180480	12212	15715
11:51	ZZZZZZ	6292	175930	12083	15447
11:56	ZZZZZZ	6427	175760	12277	15104
12:01	ZZZZZZ	6508	177890	12330	15616
12:06	ZZZZZZ	6550	179760	12478	15632
12:10	ZZZZZZ	6696	184710	12736	15758
12:15	ZZZZZZ	6343	172530	12217	15010
12:20	ZZZZZZ	6413	176420	12162	15231
12:25	ZZZZZZ	6559	184270	12283	15989
12:30	MA55290-CCV5	6321	170310	11970	15192
12:35	MA55290-CCB6	6539	182970	12297	15960
12:40	ZZZZZZ	6556	185260	12513	15952
12:45	ZZZZZZ	6508	182010	12092	15876
12:50	ZZZZZZ	6516	184610	12187	15871
12:55	ZZZZZZ	6562	185910	12369	15966
13:00	ZZZZZZ	6559	182130	12210	15918

INTERNAL STANDARD SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55290
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:05	ZZZZZZ	6569	184100	12295	15949
13:10	ZZZZZZ	6557	184510	12355	15947
13:15	ZZZZZZ	6566	184120	12560	15948
13:23	MA55290-CCV6	6288	172730	12072	15145
13:28	MA55290-CCB7	6533	182550	12194	15883
14:23	ZZZZZZ	6370	174740	12193	15083
14:27	ZZZZZZ	6360	176130	12257	15114
14:31	MA55290-CCV7	6245	173820	12223	15094
14:38	MA55290-CCB8	6480	184930	12325	15875

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55290 Units: ug/l

Time:			07:39		07:57		08:56		09:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	27	-9.30	<200	-11.8	<200	-19.1	<200	-8.10	<200
Antimony	6.0	2.2	1.60	<6.0	0.300	<6.0	0.500	<6.0	1.30	<6.0
Arsenic	3.0	1.3	-0.800	<3.0	-0.500	<3.0	0.300	<3.0	-0.500	<3.0
Barium	200	1	0.400	<200	-0.100	<200	-0.500	<200	-0.300	<200
Beryllium	1.0	.2	-0.100	<1.0	0.00	<1.0	-0.100	<1.0	0.00	<1.0
Bismuth	20	2.1								
Boron	100	1								
Cadmium	3.0	.2	0.100	<3.0	0.00	<3.0	-0.200	<3.0	-0.400	<3.0
Calcium	5000	7.7	-1.10	<5000	-1.80	<5000	2.40	<5000	1.80	<5000
Cerium	100									
Chromium	10	.5	0.300	<10	0.100	<10	0.100	<10	0.500	<10
Cobalt	50	.4	-0.100	<50	0.200	<50	0.100	<50	0.200	<50
Copper	10	6.8	-0.200	<10	0.200	<10	1.70	<10	1.00	<10
Iron	100	15	-0.800	<100	0.800	<100	0.300	<100	0.600	<100
Lead	3.0	1.6	0.300	<3.0	0.400	<3.0	0.900	<3.0	-0.100	<3.0
Lithium	50	3.7								
Magnesium	5000	54	-9.30	<5000	4.90	<5000	14.4	<5000	12.0	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.100	<15	0.00	<15
Molybdenum	20	.5								
Nickel	10	.3	0.300	<10	0.300	<10	0.200	<10	0.00	<10
Phosphorus	50	1.8								
Potassium	10000	77	-42.3	<10000	-13.4	<10000	-10.6	<10000	-13.2	<10000
Selenium	10	2	-0.900	<10	-1.10	<10	-1.90	<10	-0.900	<10
Silicon	200	1.3								
Silver	10	.9	-0.100	<10	0.600	<10	0.900	<10	0.300	<10
Sodium	10000	23	-26.7	<10000	-32.4	<10000	-24.3	<10000	-25.4	<10000
Strontium	10	.4								
Sulfur	50	4.1								
Thallium	10	1.6	-0.100	<10	0.300	<10	-1.10	<10	0.400	<10
Tin	10	.9								
Titanium	10	.9								
Tungsten	50	2								
Vanadium	50	.8	0.00	<50	0.100	<50	0.00	<50	0.00	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55290 Units: ug/l

Time:			07:39		07:57		08:56		09:51	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.2	-0.100	<20	0.300	<20	0.600	<20	0.200	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55290 Units: ug/l

Time:			10:46		11:41	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	27	-9.20	<200	-3.40	<200
Antimony	6.0	2.2	0.00	<6.0	-0.200	<6.0
Arsenic	3.0	1.3	-0.500	<3.0	-0.200	<3.0
Barium	200	1	-0.300	<200	-0.200	<200
Beryllium	1.0	.2	0.00	<1.0	0.00	<1.0
Bismuth	20	2.1				
Boron	100	1				
Cadmium	3.0	.2	0.100	<3.0	-0.200	<3.0
Calcium	5000	7.7	4.10	<5000	2.10	<5000
Cerium	100					
Chromium	10	.5	0.400	<10	0.200	<10
Cobalt	50	.4	0.00	<50	0.100	<50
Copper	10	6.8	1.50	<10	1.10	<10
Iron	100	15	3.20	<100	1.10	<100
Lead	3.0	1.6	0.00	<3.0	-0.300	<3.0
Lithium	50	3.7				
Magnesium	5000	54	-5.20	<5000	0.300	<5000
Manganese	15	.1	0.00	<15	0.00	<15
Molybdenum	20	.5				
Nickel	10	.3	0.200	<10	-0.300	<10
Phosphorus	50	1.8				
Potassium	10000	77	-32.5	<10000	-9.60	<10000
Selenium	10	2	-0.900	<10	-0.900	<10
Silicon	200	1.3				
Silver	10	.9	-0.200	<10	0.100	<10
Sodium	10000	23	-52.3	<10000	-49.2	<10000
Strontium	10	.4				
Sulfur	50	4.1				
Thallium	10	1.6	0.200	<10	0.100	<10
Tin	10	.9				
Titanium	10	.9				
Tungsten	50	2				
Vanadium	50	.8	-0.100	<50	0.00	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55290 Units: ug/l

			10:46		11:41	
Time:						
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Zinc	20	.2	0.200	<20	0.300	<20
Zirconium	10	.5				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55290 Units: ug/l

Time:		07:49	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39500	98.8
Antimony	2000	1970	98.5
Arsenic	2000	1980	99.0
Barium	2000	2020	101.0
Beryllium	2000	2030	101.5
Bismuth			
Boron			
Cadmium	2000	2000	100.0
Calcium	40000	40000	100.0
Cerium			
Chromium	2000	1960	98.0
Cobalt	2000	2030	101.5
Copper	2000	1960	98.0
Iron	40000	39700	99.3
Lead	2000	2020	101.0
Lithium			
Magnesium	40000	40000	100.0
Manganese	2000	2010	100.5
Molybdenum			
Nickel	2000	2060	103.0
Phosphorus			
Potassium	40000	38800	97.0
Selenium	2000	1990	99.5
Silicon			
Silver	250	237	94.8
Sodium	40000	39300	98.3
Strontium			
Sulfur			
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	1930	96.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55290 Units: ug/l

Time:		07:49	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	1990	99.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55290 Units: ug/l

Time:		07:31			08:51			09:46	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	38000	95.0	40000	41700	104.3	40000	41500	103.8
Antimony	2000	1910	95.5	2000	1960	98.0	2000	1950	97.5
Arsenic	2000	1930	96.5	2000	1980	99.0	2000	1970	98.5
Barium	2000	1940	97.0	2000	2090	104.5	2000	2060	103.0
Beryllium	2000	2000	100.0	2000	2110	105.5	2000	2080	104.0
Bismuth									
Boron									
Cadmium	2000	1910	95.5	2000	2010	100.5	2000	1990	99.5
Calcium	40000	38700	96.8	40000	42800	107.0	40000	42300	105.8
Cerium									
Chromium	2000	1870	93.5*(a)	2000	1950	97.5	2000	1920	96.0
Cobalt	2000	1940	97.0	2000	2060	103.0	2000	2030	101.5
Copper	2000	1900	95.0	2000	1990	99.5	2000	1960	98.0
Iron	40000	38800	97.0	40000	41100	102.8	40000	41100	102.8
Lead	2000	1930	96.5	2000	2040	102.0	2000	2020	101.0
Lithium									
Magnesium	40000	38500	96.3	40000	42000	105.0	40000	41700	104.3
Manganese	2000	1900	95.0	2000	2040	102.0	2000	2020	101.0
Molybdenum									
Nickel	2000	1960	98.0	2000	2120	106.0	2000	2090	104.5
Phosphorus									
Potassium	40000	38500	96.3	40000	39200	98.0	40000	39500	98.8
Selenium	2000	1950	97.5	2000	2000	100.0	2000	2000	100.0
Silicon									
Silver	250	241	96.4	250	242	96.8	250	244	97.6
Sodium	40000	38400	96.0	40000	40100	100.3	40000	40100	100.3
Strontium									
Sulfur									
Thallium	2000	1970	98.5	2000	2050	102.5	2000	2040	102.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1870	93.5*(a)	2000	1890	94.5	2000	1870	93.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55290 Units: ug/l

Time:		07:31			08:51			09:46	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1940	97.0	2000	1960	98.0	2000	1950	97.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested
(a) Within 90 to 110 percent limits required for SW846 6010. No EPA 200.7 samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55290 Units: ug/l

Time:		10:41			11:36	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	42100	105.3	40000	42100	105.3
Antimony	2000	1960	98.0	2000	1970	98.5
Arsenic	2000	1970	98.5	2000	1970	98.5
Barium	2000	2100	105.0	2000	2100	105.0
Beryllium	2000	2110	105.5	2000	2110	105.5
Bismuth						
Boron						
Cadmium	2000	1990	99.5	2000	1990	99.5
Calcium	40000	43000	107.5	40000	43000	107.5
Cerium						
Chromium	2000	1940	97.0	2000	1930	96.5
Cobalt	2000	2030	101.5	2000	2030	101.5
Copper	2000	1980	99.0	2000	1970	98.5
Iron	40000	41700	104.3	40000	41500	103.8
Lead	2000	2020	101.0	2000	2030	101.5
Lithium						
Magnesium	40000	42300	105.8	40000	42200	105.5
Manganese	2000	2060	103.0	2000	2040	102.0
Molybdenum						
Nickel	2000	2080	104.0	2000	2090	104.5
Phosphorus						
Potassium	40000	40200	100.5	40000	40100	100.3
Selenium	2000	2010	100.5	2000	2010	100.5
Silicon						
Silver	250	246	98.4	250	245	98.0
Sodium	40000	40400	101.0	40000	40500	101.3
Strontium						
Sulfur						
Thallium	2000	2050	102.5	2000	2060	103.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	1900	95.0	2000	1890	94.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55290 Units: ug/l

Time:		10:41			11:36	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	1960	98.0	2000	1960	98.0
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55290 Units: ug/l

Time:		08:25			08:31		
Sample ID:	HSTD	HSTD1		HSTD	HSTD2		
Metal	True	Results	% Rec	True	Results	% Rec	
Aluminum				300000	305000	101.7	
Antimony	8000	7740	96.8				
Arsenic	8000	7740	96.8				
Barium	8000	7970	99.6				
Beryllium	8000	8000	100.0				
Bismuth							
Boron							
Cadmium	8000	7700	96.3				
Calcium				200000	206000	103.0	
Cerium							
Chromium	8000	7690	96.1				
Cobalt	8000	7990	99.9				
Copper	8000	7790	97.4				
Iron				200000	201000	100.5	
Lead	8000	8000	100.0				
Lithium							
Magnesium				300000	296000	98.7	
Manganese	8000	7890	98.6				
Molybdenum							
Nickel	8000	8190	102.4				
Phosphorus							
Potassium				200000	189000	94.5	
Selenium	8000	7910	98.9				
Silicon							
Silver	625	616	98.6				
Sodium				200000	190000	95.0	
Strontium							
Sulfur							
Thallium	8000	7960	99.5				
Tin							
Titanium							
Tungsten							
Vanadium	8000	7490	93.6				

HIGH STANDARD CHECK SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55290 Units: ug/l

Time:		08:25			08:31	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	7930	99.1			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55290 Units: ug/l

Time:				08:05		08:10	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	193	96.5	83.3	83.3
Antimony	6.0	20	3.0	5.70	95.0		
Arsenic	8.0	20	3.0	8.10	101.3	2.50	83.3
Barium	200		4.0	203	101.5	4.50	112.5
Beryllium	2.0		1.0	2.10	105.0	1.10	110.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	3.10	103.3	1.10	110.0
Calcium	5000	2000	1000	5120	102.4	1020	102.0
Cerium							
Chromium	10		2.0	10.2	102.0	2.20	110.0
Cobalt	50		3.0	51.2	102.4	3.10	103.3
Copper	10		2.0	10.4	104.0		
Iron	100	500		105	105.0		
Lead	3.0	20	2.5	3.10	103.3		
Lithium	50						
Magnesium	5000	2000	100	5270	105.4	115	115.0
Manganese	15		3.0	15.6	104.0	3.00	100.0
Molybdenum	20						
Nickel	10		4.0	10.7	107.0	4.30	107.5
Phosphorus	50						
Potassium	5000		2000	4890	97.8	1920	96.0
Selenium	10	20	5.0	10.8	108.0	4.20	84.0
Silicon	200						
Silver	5.0		2.0	4.90	98.0		
Sodium	5000		1000	5000	100.0	946	94.6
Strontium	10						
Sulfur	50						
Thallium	10		2.0	9.80	98.0		
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	47.3	94.6	2.00	100.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55290 Units: ug/l

Time:				08:05		08:10	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	21.2	106.0	9.90	99.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55290 Units: ug/l

Time:			08:15		08:20	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	506000	101.2	504000	100.8
Antimony		1000	-0.800		966	96.6
Arsenic		1000	0.500		972	97.2
Barium		500	-2.80		504	100.8
Beryllium		500	0.00		508	101.6
Bismuth		500	-3.90		492	98.4
Boron		500	0.00		484	96.8
Cadmium		1000	1.70		1030	103.0
Calcium	400000	400000	405000	101.3	389000	97.3
Cerium			64.4		51.1	
Chromium		500	-0.200		461	92.2
Cobalt		500	1.80		477	95.4
Copper		500	0.500		514	102.8
Iron	200000	200000	186000	93.0	192000	96.0
Lead		1000	0.900		928	92.8
Lithium		500	9.70		539	107.8
Magnesium	500000	500000	480000	96.0	490000	98.0
Manganese		500	-2.80		503	100.6
Molybdenum		500	0.200		464	92.8
Nickel		1000	2.80		957	95.7
Phosphorus		500	10.9		476	95.2
Potassium			-93.2		-17.1	
Selenium		1000	-0.100		970	97.0
Silicon		500	12.4		506	101.2
Silver		1000	4.50		1000	100.0
Sodium			-128		-62.1	
Strontium		500	5.10		489	97.8
Sulfur		500	11.1		477	95.4
Thallium		1000	3.80		959	95.9
Tin		500	6.80		484	96.8
Titanium		500	5.70		481	96.2
Tungsten		500	-9.40		454	90.8
Vanadium		500	3.70		471	94.2

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SD122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55290 Units: ug/l

Time:			08:15		08:20	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	-2.00		916	91.6
Zirconium		500	-1.50		471	94.2

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.92	8.1	2.0	<50
Antimony	2.0	.28	.41	-0.040	<2.0
Arsenic	2.0	.26	.28	-0.050	<2.0
Barium	20	.02	1.9	0.060	<20
Beryllium	0.20	.02	.08	0.0	<0.20
Bismuth	2.0	.25	.52		
Boron	10	.18	3.7		
Cadmium	0.50	.04	.07	0.0	<0.50
Calcium	500	1.3	21	6.5	<500
Chromium	1.0	.07	.37	0.010	<1.0
Cobalt	5.0	.06	.28	0.0	<5.0
Copper	2.5	.07	.84	0.19	<2.5
Iron	50	.33	19	0.75	<50
Lead	2.0	.2	.41	0.10	<2.0
Lithium	5.0	.15	.92		
Magnesium	500	2.5	14	-1.6	<500
Manganese	1.5	.01	.41	0.030	<1.5
Molybdenum	2.0	.06	.32		
Nickel	4.0	.08	.35	0.040	<4.0
Phosphorus	20	.7	3.3		
Potassium	1000	3.5	32	-0.83	<1000
Selenium	2.0	.36	.65	0.14	<2.0
Silicon	20	.22	11		
Silver	0.50	.06	.17	0.030	<0.50
Sodium	1000	1.4	78	2.7	<1000
Strontium	5.0	.01	.18		
Sulfur	10	.37	3.9		
Thallium	1.0	.52	.58	-0.070	<1.0
Tin	20	.14	3.8		
Titanium	1.0	.08	.34		
Tungsten	5.0	.13	1.8		
Vanadium	5.0	.05	.19	0.060	<5.0
Zinc	5.0	.03	2.3	0.93	<5.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.05	.54		

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	10400	15300	2940	166.8N(a	75-125
Antimony	0.90	132	235	55.8N(a)	75-125
Arsenic	2.7	223	235	93.8	75-125
Barium	87.0	303	235	91.9	75-125
Beryllium	0.71	214	235	90.8	75-125
Bismuth					
Boron					
Cadmium	0.43	215	235	91.3	75-125
Calcium	3980	6910	2940	99.8	75-125
Chromium	32.3	243	235	89.7	75-125
Cobalt	8.2	225	235	92.3	75-125
Copper	18.6	236	235	92.5	75-125
Iron	17000	21400	2940	149.8(b)	75-125
Lead	20.2	238	235	92.7	75-125
Lithium					
Magnesium	6160	9190	2940	103.2	75-125
Manganese	326	520	235	82.6	75-125
Molybdenum					
Nickel	21.1	240	235	93.2	75-125
Phosphorus					
Potassium	2770	5900	2940	106.6	75-125
Selenium	1.1	210	235	88.9	75-125
Silicon					
Silver	0.37	28.3	29.4	95.1	75-125
Sodium	172	3080	2940	99.0	75-125
Strontium					
Sulfur					
Thallium	0.0	220	235	93.6	75-125
Tin					
Tungsten					
Vanadium	31.2	244	235	90.6	75-125
Zinc	58.0	265	235	88.1	75-125
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original MS	Spikelot MPSPK2	% Rec	QC Limits

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	10400	15000	2710	169.8N(a	2.0	20
Antimony	0.90	115	217	52.7N(a)	13.8	20
Arsenic	2.7	201	217	91.5	10.4	20
Barium	87.0	290	217	93.7	4.4	20
Beryllium	0.71	198	217	91.0	7.8	20
Bismuth						
Boron						
Cadmium	0.43	198	217	91.2	8.2	20
Calcium	3980	7740	2710	138.8N(a	11.3	20
Chromium	32.3	231	217	91.7	5.1	20
Cobalt	8.2	208	217	92.2	7.9	20
Copper	18.6	221	217	93.4	6.6	20
Iron	17000	21100	2710	151.4(b)	1.4	20
Lead	20.2	223	217	93.6	6.5	20
Lithium						
Magnesium	6160	9880	2710	137.3N(a	7.2	20
Manganese	326	543	217	100.1	4.3	20
Molybdenum						
Nickel	21.1	222	217	92.7	7.8	20
Phosphorus						
Potassium	2770	6000	2710	119.2	1.7	20
Selenium	1.1	193	217	88.6	8.4	20
Silicon						
Silver	0.37	26.7	27.1	97.2	5.8	20
Sodium	172	2900	2710	100.7	6.0	20
Strontium						
Sulfur						
Thallium	0.0	202	217	93.2	8.5	20
Tin						
Tungsten						
Vanadium	31.2	230	217	91.7	5.9	20
Zinc	58.0	256	217	91.4	3.5	20
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884 Methods: SW846 6010D
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/22/23

	JD79126-2	Spikelot		MSD	QC
Metal	Original MSD	MPSPK2	% Rec	RPD	Limit

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	2550	2500	102.0	80-120
Antimony	193	200	96.5	80-120
Arsenic	192	200	96.0	80-120
Barium	194	200	97.0	80-120
Beryllium	196	200	98.0	80-120
Bismuth				
Boron				
Cadmium	192	200	96.0	80-120
Calcium	2570	2500	102.8	80-120
Chromium	196	200	98.0	80-120
Cobalt	195	200	97.5	80-120
Copper	195	200	97.5	80-120
Iron	2500	2500	100.0	80-120
Lead	196	200	98.0	80-120
Lithium				
Magnesium	2460	2500	98.4	80-120
Manganese	200	200	100.0	80-120
Molybdenum				
Nickel	197	200	98.5	80-120
Phosphorus				
Potassium	2520	2500	100.8	80-120
Selenium	190	200	95.0	80-120
Silicon				
Silver	24.9	25	99.6	80-120
Sodium	2550	2500	102.0	80-120
Strontium				
Sulfur				
Thallium	199	200	99.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	195	200	97.5	80-120
Zinc	196	200	98.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	JD79126-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	94900	95600	0.7	0-10
Antimony	8.20	0.00	100.0(a)	0-10
Arsenic	24.7	26.2	6.1	0-10
Barium	796	802	0.8	0-10
Beryllium	6.50	5.90	9.2	0-10
Bismuth				
Boron				
Cadmium	3.90	3.90	0.0	0-10
Calcium	36400	37600	3.4	0-10
Chromium	295	300	1.6	0-10
Cobalt	74.8	81.0	8.3	0-10
Copper	170	155	9.2	0-10
Iron	155000	162000	4.1	0-10
Lead	185	194	4.9	0-10
Lithium				
Magnesium	56300	58500	4.0	0-10
Manganese	2980	3030	1.7	0-10
Molybdenum				
Nickel	193	202	5.1	0-10
Phosphorus				
Potassium	25400	25100	0.9	0-10
Selenium	10.2	0.00	100.0(a)	0-10
Silicon				
Silver	3.40	7.60	123.5(a)	0-10
Sodium	1570	1290	18.3*(b)	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	285	286	0.5	0-10
Zinc	530	566	6.7	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884 Methods: SW846 6010D
Matrix Type: SOLID Units: ug/l

Prep Date: 12/22/23

Metal	JD79126-2 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	Sample ml	Final ml	JD79126-2 Raw	JD79126-2 Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	19.25	20	8.2	7.8925	1907	0.2	200	2000	95.0	80-120
Arsenic										
Barium										
Beryllium										
Bismuth										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Phosphorus										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Sulfur										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	Sample ml	Final ml	JD79126-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Zirconium										

Associated samples MP43884: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43922 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/26/23

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0057	.015	-0.0083	<0.033

Associated samples MP43922: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43922
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/26/23

Metal	JD79163-11 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.21	0.50	0.317	91.5	80-120

Associated samples MP43922: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43922 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/26/23

Metal	JD79163-11 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.21	0.56	0.349	100.2	11.3	20

Associated samples MP43922: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43922
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/26/23

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.30	0.333	90.0	80-120

Associated samples MP43922: JD79126-1, JD79126-2, JD79126-3, JD79126-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.034

The above applies to the following instrument runs:
MA55288

Instrument Detection Limits

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE4 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	26.5
Antimony	2.2
Arsenic	1.3
Barium	1
Beryllium	.2
Bismuth	2.1
Boron	1
Cadmium	.2
Calcium	7.7
Chromium	.5
Cobalt	.4
Copper	6.8
Iron	14.6
Lead	1.6
Lithium	3.7
Magnesium	53.9
Manganese	.1
Molybdenum	.5
Nickel	.3
Phosphorus	1.8
Potassium	76.8
Selenium	2
Silicon	1.3
Silver	.9
Sodium	23.4
Sulfur	4.1
Strontium	.4
Thallium	1.6
Tin	.9
Titanium	.9
Tungsten	2
Vanadium	.8
Zinc	.2
Zirconium	.5

The above applies to the following instrument runs:
MA55290

Instrument Detection Limits

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	9.2
Antimony	2.8
Arsenic	2.6
Barium	.2
Beryllium	.2
Bismuth	2.5
Boron	1.8
Cadmium	.4
Calcium	13
Chromium	.7
Cobalt	.6
Copper	.7
Iron	3.3
Lead	2
Lithium	1.5
Magnesium	24.8
Manganese	.1
Molybdenum	.6
Nickel	.8
Phosphorus	7
Potassium	34.5
Selenium	3.6
Silicon	2.2
Silver	.6
Sodium	13.9
Sulfur	3.7
Strontium	.1
Thallium	5.2
Tin	1.4
Titanium	.8
Tungsten	1.3
Vanadium	.5
Zinc	.3
Zirconium	.5

The above applies to the following instrument runs:
MA55287

Instrument Linear Ranges

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 02/26/18

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA55288

Instrument Linear Ranges

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE4 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55290

Instrument Linear Ranges

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55287

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP51253/GN49706	0.24	0.0	mg/kg	4.8	4.66	97.1	90-110%

Associated Samples:
Batch GP51253: JD79126-1, JD79126-2, JD79126-3, JD79126-4
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP51253/GN49706	JD79356-1	mg/kg	0.0	0.0	0.0	0-49%
Solids, Percent	GN49622	JD79126-1	%	84.7	84.5	0.2	0-10%

Associated Samples:
Batch GN49622: JD79126-1, JD79126-2, JD79126-3, JD79126-4
Batch GP51253: JD79126-1, JD79126-2, JD79126-3, JD79126-4
(*) Outside of QC limits

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP51253/GN49706	JD79356-1	mg/kg	0.0	6.73	1.9	28.2N(a)	75-125%

Associated Samples:
Batch GP51253: JD79126-1, JD79126-2, JD79126-3, JD79126-4
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: E122623W2.CN Date Analyzed: 12/26/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN49706
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:37	GN49706-STD1	1		STDA
18:41	GN49706-STD2	1		STDB
18:42	GN49706-STD3	1		STDC
18:43	GN49706-STD4	1		STDE
18:44	GN49706-STD5	1		STDD
18:45	GN49706-STD6	1		STDF
18:45	GN49706-STD7	1		STDG
18:46	GN49706-ICV1	1		
18:47	GN49706-ICB1	1		
18:59	GN49706-CCV1	1		
19:00	GN49706-CCB1	1		
19:04	GP51221-MB1	1		
19:06	GP51221-S1	1		
19:07	GP51221-D1	1		
19:07	LA96454-1	1		(sample used for QC only; not part of login JD79126)
19:09	ZZZZZZ	1		
19:10	GN49706-CCV2	1		
19:11	GN49706-CCB2	1		
19:12	GP51221-B1	1		
19:13	ZZZZZZ	1		
19:14	ZZZZZZ	1		
19:15	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:17	GP51222-MB1	1		
19:18	GP51222-B1	1		
19:19	GP51222-S1	1		
19:19	GP51222-D1	1		
19:20	JD79155-1	1		(sample used for QC only; not part of login JD79126)
19:21	GN49706-CCV3	1		
19:22	GN49706-CCB3	1		
19:23	ZZZZZZ	1		
19:24	GP51223-MB1	1		
19:25	GP51223-B1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: E122623W2.CN Date Analyzed: 12/26/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN49706
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:26	GP51223-S1	1		
19:27	GP51223-D1	1		
19:28	JD79092-1	1		(sample used for QC only; not part of login JD79126)
19:29	ZZZZZZ	1		
19:29	ZZZZZZ	1		
19:30	ZZZZZZ	1		
19:31	GP51253-MB1	1		
19:32	GN49706-CCV4	1		
19:33	GN49706-CCB4	1		
19:34	GP51253-B1	1		
19:35	GP51253-S1	1		
19:36	GP51253-S2	1		
19:37	GP51253-D1	1		
19:38	JD79356-1	1		(sample used for QC only; not part of login JD79126)
19:39	ZZZZZZ	1		
19:40	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:41	ZZZZZZ	1		
19:42	ZZZZZZ	1		
19:43	GN49706-CCV5	1		
19:44	GN49706-CCB5	1		
19:45	ZZZZZZ	1		
19:46	ZZZZZZ	1		
19:47	ZZZZZZ	1		
19:48	JD79117-1	1		(sample used for QC only; not part of login JD79126)
19:49	ZZZZZZ	1		
19:50	ZZZZZZ	1		
19:51	JD79126-1	1		
19:52	JD79126-2	1		
19:52	JD79126-3	1		
19:53	JD79126-4	1		
19:54	GN49706-CCV6	1		
19:55	GN49706-CCB6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: E122623W2.CN Date Analyzed: 12/26/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN49706
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:56	GP51242-MB1	1		
19:57	GP51242-B1	1		
19:58	GP51242-S1	1		
19:59	GP51242-D1	1		
20:00	LA96568-1	1		(sample used for QC only; not part of login JD79126)
20:01	ZZZZZZ	1		
20:02	GP51268-MB1	1		
20:03	GP51268-B1	1		
20:03	GP51268-S1	1		
20:04	GP51268-S2	1		
20:05	GN49706-CCV7	1		
20:06	GN49706-CCB7	1		
20:07	GP51268-D1	1		
20:08	JD79272-3	1		(sample used for QC only; not part of login JD79126)
20:09	ZZZZZZ	1		
20:10	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:12	ZZZZZZ	1		
20:13	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:15	ZZZZZZ	1		
20:16	GN49706-CCV8	1		
20:17	GN49706-CCB8	1		
20:18	ZZZZZZ	1		
20:19	ZZZZZZ	1		
20:20	JD79460-1	1		(sample used for QC only; not part of login JD79126)
20:21	ZZZZZZ	1		
20:22	ZZZZZZ	1		
20:23	ZZZZZZ	1		
20:24	ZZZZZZ	1		
20:25	ZZZZZZ	1		
20:26	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: E122623W2.CN Date Analyzed: 12/26/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: SS Run ID: GN49706
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:26	ZZZZZZ	1		
20:27	GN49706-CCV9	1		
20:28	GN49706-CCB9	1		
20:29	ZZZZZZ	1		
20:32	GN49706-CCV10	1		
20:33	GN49706-CCB10	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD79126
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: E122623W2.CN Date Analyzed: 12/26/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN49706 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN49706-ICV1	Cyanide	0.287	0.010	0.0041	.3	95.7	90-110
GN49706-ICB1	Cyanide	0.0041 U	0.010	0.0041			
GN49706-CCV1	Cyanide	0.393	0.010	0.0041	.4	98.3	90-110
GN49706-CCB1	Cyanide	0.00504	0.010	0.0041			
GN49706-CCV2	Cyanide	0.400	0.010	0.0041	.4	100.0	90-110
GN49706-CCB2	Cyanide	0.0041 U	0.010	0.0041			
GN49706-CCV3	Cyanide	0.399	0.010	0.0041	.4	99.8	90-110
GN49706-CCB3	Cyanide	0.0041 U	0.010	0.0041			
GN49706-CCV4	Cyanide	0.405	0.010	0.0041	.4	101.3	90-110
GN49706-CCB4	Cyanide	-0.00455	0.010	0.0041			
GN49706-CCV5	Cyanide	0.406	0.010	0.0041	.4	101.5	90-110
GN49706-CCB5	Cyanide	-0.00442	0.010	0.0041			
GN49706-CCV6	Cyanide	0.408	0.010	0.0041	.4	102.0	90-110
GN49706-CCB6	Cyanide	-0.00460	0.010	0.0041			
GN49706-CCV7	Cyanide	0.406	0.010	0.0041	.4	101.5	90-110
GN49706-CCB7	Cyanide	-0.00492	0.010	0.0041			
GN49706-CCV8	Cyanide	0.406	0.010	0.0041	.4	101.5	90-110
GN49706-CCB8	Cyanide	-0.00417	0.010	0.0041			
GN49706-CCV9	Cyanide	0.402	0.010	0.0041	.4	100.5	90-110
GN49706-CCB9	Cyanide	-0.00482	0.010	0.0041			
GN49706-CCV10	Cyanide	0.403	0.010	0.0041	.4	100.8	90-110
GN49706-CCB10	Cyanide	0.0041 U	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JD79126
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: JD79126-1 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB112 (6-6.5)

Wet Weight (Total)	35.75	g
Tare Weight	28.18	g
Dry Weight (Total)	34.59	g
Solids, Percent	84.7	%

Sample: JD79126-2 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB111 (2.5-3)

Wet Weight (Total)	32.54	g
Tare Weight	26.31	g
Dry Weight (Total)	31.89	g
Solids, Percent	89.6	%

Sample: JD79126-3 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB108 (3.5'-4')

Wet Weight (Total)	33.68	g
Tare Weight	25.94	g
Dry Weight (Total)	31.48	g
Solids, Percent	71.6	%

Sample: JD79126-4 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB107 (6.5'-7')

Wet Weight (Total)	26.57	g
Tare Weight	20.74	g
Dry Weight (Total)	25.34	g
Solids, Percent	78.9	%

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

99 Franklin Courts, Tarrytown, NY

12345 PO#PHASE 8.1

SGS Job Number: JD79288

Sampling Date: 12/19/23

Report to:

SESI Consulting Engineers

ssg@sesi.org

ATTN: Steven Gustems

Total number of pages in report: **294**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.

David Chastain
General Manager

Client Service contact: Kelly Ramos 732-329-0200
Certifications: NJ(12129),NY(10983),CA,CO,CT,FL,HI,IL,IN,KY,LA (120428),MA,MD,ME,MN,NC,NH,NV, AK (UST-103),AZ (AZ0786),PA(68-00408),RI,SC,TX (T104704234),UT,VA,WA,WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

SGS is the sole authority for authorizing edits or modifications to this document.
Unauthorized modification of this report is strictly prohibited.
Review standard terms at: http://www.sgs.com/en/terms-and-conditions

Please share your ideas about how we can serve you better at:
EHS.US.CustomerCare@sgs.com

Sections: 1 2 3 4 5 6 7 8 9 10

Table of Contents

Table of Contents

Sample Summary

SESI Consulting Engineers

Job No: JD79288

99 Franklin Courts, Tarrytown, NY
Project No: 12345 PO#PHASE 8.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies:							
Organics ND = Not detected above the MDL							
JD79288-1	12/19/23	14:15	GM	12/20/23	SO	Soil	SB-102 (3-3.5)
JD79288-2	12/19/23	08:10	GM	12/20/23	SO	Soil	SB-101 (2.5-3)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No:**	JD79288
Site:	99 Franklin Courts, Tarrytown, NY	**Report Date**	1/5/2024 8:43:24 AM

On 12/20/2023, 2 sample(s), 0 Trip Blank(s), 0 Equip. Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. (SGS) at a temperature of 1.8 °C. The samples were intact and properly preserved, unless noted below. An SGS Job Number of JD79288 was assigned to the project. The lab sample ID, client sample ID, and date of sample collection are detailed in the report's Results Summary.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Volatiles By Method SW846 8260D

Matrix: SO **Batch ID:** VI10301

- All samples were analyzed within the recommended method holding time.
- Sample(s) JD79243-5MS, JD79243-7DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The blank spike (BS) recovery(s) of Bromochloromethane, cis-1,2-Dichloroethene are outside control limits.
- The duplicate RPD(s) for Acetone are outside control limits for sample JD79243-7DUP. High RPD due to low concentration of hit.
- VI10301-BS for cis-1,2-Dichloroethene: High percent recovery and no associated positive reported in the QC batch.
- JD79288-2 for cis-1,2-Dichloroethene: This compound in blank spike is outside in house QC limits bias high.
- VI10301-BS for Bromochloromethane: High percent recovery and no associated positive reported in the QC batch.
- JD79288-1 for 2-Butanone (MEK): Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for Acetone: Associated CCV outside of control limits high.
- JD79288-1 for Bromochloromethane: This compound in blank spike is outside in house QC limits bias high.
- JD79288-1 for cis-1,2-Dichloroethene: This compound in blank spike is outside in house QC limits bias high.
- JD79288-2 for 2-Hexanone: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for 2-Butanone (MEK): Associated CCV outside of control limits high.
- JD79288-2 for Acetone: Associated CCV outside of control limits high.
- JD79288-2 for Bromochloromethane: This compound in blank spike is outside in house QC limits bias high.

MS Semi-volatiles By Method SW846 8270E

Matrix: SO **Batch ID:** OP51352

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79233-2MS, JD79233-2MSD were used as the QC samples indicated.
- JD79288-1 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for 2,4-Dinitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for 2-Nitrophenol: Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for 3,3'-Dichlorobenzidine: Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.
- JD79288-1 for Hexachlorocyclopentadiene: Associated CCV outside of control limits high, sample was ND.
- JD79288-2 for 4,6-Dinitro-o-cresol: Associated CCV outside of control limits high, sample was ND.

GC/LC Semi-volatiles By Method SW846 8081B

Matrix: SO **Batch ID:** OP51356

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79281-1MS, JD79281-1MSD, OP51356-MSMSD were used as the QC samples indicated.
- The matrix spike (MS) recovery(s) of 4,4'-DDD are outside control limits. Outside control limits due to matrix interference.
- The RPD(s) for the MS and MSD recoveries of gamma-BHC (Lindane) are outside control limits for sample OP51356-MSD. Probable cause due to sample homogeneity.
- OP51356-BS1 for 4,4'-DDD: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for Endrin: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for Endrin aldehyde: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for Heptachlor: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for Heptachlor epoxide: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-BS1 for Methoxychlor: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP51356-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.

GC/LC Semi-volatiles By Method SW846 8082A

Matrix: SO **Batch ID:** OP51357

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79281-2MS, JD79281-2MSD, OP51357-MSMSD were used as the QC samples indicated.

Metals Analysis By Method SW846 6010D

Matrix: SO **Batch ID:** MP43884

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79126-2MS, JD79126-2MSD, JD79126-2PS, JD79126-2SDL were used as the QC samples for the metals analysis.
- The matrix spike (MS) recovery(s) of Aluminum, Antimony are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- The matrix spike duplicate (MSD) recovery(s) of Antimony, Calcium, Magnesium are outside control limits. Probable cause due to matrix interference.
- The matrix spike (MS) recovery(s) of Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- The serial dilution RPD(s) for Antimony, Selenium, Silver, Sodium are outside control limits for sample MP43884-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP43884-SD1 for Sodium: Serial dilution indicates possible matrix interference.

Metals Analysis By Method SW846 7471B

Matrix: SO **Batch ID:** MP44006

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79288-1MS, JD79288-1MSD were used as the QC samples for the metals analysis.
- The RPD(s) for the MS and MSD recoveries of Mercury are outside control limits for sample MP44006-S2. High rpd due to possible sample nonhomogeneity.

General Chemistry By Method SM2540 G 18TH ED MOD

Matrix: SO **Batch ID:** GN49632

- Sample(s) JD79192-1DUP were used as the QC samples for the Solids, Percent analysis.

General Chemistry By Method SW846 9012B/LACHAT

Matrix: SO **Batch ID:** GP51271

- All samples were prepared within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JD79288-1DUP, JD79288-1MS were used as the QC samples for the Cyanide analysis.
- The matrix spike (MS) recovery(s) of Cyanide are outside control limits. Spike recovery indicates possible matrix interference.
- The duplicate RPD(s) for Cyanide are outside control limits for sample GP51271-D1. RPD acceptable due to low duplicate and sample concentrations.

SGS certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting SGS's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. This report is authorized by SGS indicated via signature on the report cover.

Summary of Hits

Job Number: JD79288
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/19/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD79288-1	**SB-102 (3-3.5)**					
Acetone [a]		3.6 J	8.2	3.4	ug/kg	SW846 8260D
Methylene chloride		2.5 J	4.1	2.1	ug/kg	SW846 8260D
Total TIC, Semi-Volatile		1690 J			ug/kg	
Aluminum		11200	52		mg/kg	SW846 6010D
Barium		103	21		mg/kg	SW846 6010D
Beryllium		0.65	0.21		mg/kg	SW846 6010D
Calcium		1960	520		mg/kg	SW846 6010D
Chromium		20.9	1.0		mg/kg	SW846 6010D
Cobalt		8.3	5.2		mg/kg	SW846 6010D
Copper		18.0	2.6		mg/kg	SW846 6010D
Iron		19700	52		mg/kg	SW846 6010D
Lead		6.9	2.1		mg/kg	SW846 6010D
Magnesium		4340	520		mg/kg	SW846 6010D
Manganese		371	1.5		mg/kg	SW846 6010D
Nickel		17.5	4.1		mg/kg	SW846 6010D
Potassium		3820	1000		mg/kg	SW846 6010D
Vanadium		25.0	5.2		mg/kg	SW846 6010D
Zinc		40.1	5.2		mg/kg	SW846 6010D
JD79288-2	**SB-101 (2.5-3)**					
Acetone [a]		37.0	13	5.3	ug/kg	SW846 8260D
2-Butanone (MEK) [a]		8.1 J	13	3.1	ug/kg	SW846 8260D
Methylene chloride		5.0 J	6.4	3.3	ug/kg	SW846 8260D
Acenaphthylene		30.3 J	47	24	ug/kg	SW846 8270E
Benzo(a)anthracene		119	47	13	ug/kg	SW846 8270E
Benzo(a)pyrene		170	47	22	ug/kg	SW846 8270E
Benzo(b)fluoranthene		170	47	21	ug/kg	SW846 8270E
Benzo(g,h,i)perylene		75.2	47	24	ug/kg	SW846 8270E
Benzo(k)fluoranthene		37.0 J	47	22	ug/kg	SW846 8270E
Chrysene		101	47	15	ug/kg	SW846 8270E
Dibenzo(a,h)anthracene		44.1 J	47	21	ug/kg	SW846 8270E
Fluoranthene		171	47	21	ug/kg	SW846 8270E
Indeno(1,2,3-cd)pyrene		90.2	47	22	ug/kg	SW846 8270E
Phenanthrene		45.8 J	47	16	ug/kg	SW846 8270E
Pyrene		137	47	15	ug/kg	SW846 8270E
Total TIC, Semi-Volatile		1280 J			ug/kg	
Aluminum		5470	48		mg/kg	SW846 6010D
Arsenic		4.1	1.9		mg/kg	SW846 6010D
Barium		98.2	19		mg/kg	SW846 6010D
Beryllium		0.28	0.19		mg/kg	SW846 6010D
Calcium		44600	2400		mg/kg	SW846 6010D
Chromium		8.8	0.95		mg/kg	SW846 6010D

Summary of Hits

Job Number: JD79288
Account: SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Collected: 12/19/23

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Copper		8.6	2.4		mg/kg	SW846 6010D
Iron		17400	48		mg/kg	SW846 6010D
Lead		53.4	1.9		mg/kg	SW846 6010D
Magnesium		26900	480		mg/kg	SW846 6010D
Manganese		165	1.4		mg/kg	SW846 6010D
Nickel		8.9	3.8		mg/kg	SW846 6010D
Potassium		1080	950		mg/kg	SW846 6010D
Vanadium		13.0	4.8		mg/kg	SW846 6010D
Zinc		54.6	4.8		mg/kg	SW846 6010D

(a) Associated CCV outside of control limits high.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I254317.D	1	12/21/23 14:54	JN	12/21/23 07:00	n/a	VI10301
Run #2							

	Initial Weight
Run #1	6.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	3.6	8.2	3.4	ug/kg	J
71-43-2	Benzene	ND	0.41	0.37	ug/kg	
74-97-5	Bromochloromethane [b]	ND	4.1	0.46	ug/kg	
75-27-4	Bromodichloromethane	ND	1.6	0.35	ug/kg	
75-25-2	Bromoform	ND	4.1	1.1	ug/kg	
74-83-9	Bromomethane	ND	4.1	0.63	ug/kg	
78-93-3	2-Butanone (MEK) [c]	ND	8.2	2.0	ug/kg	
75-15-0	Carbon disulfide	ND	1.6	0.44	ug/kg	
56-23-5	Carbon tetrachloride	ND	1.6	0.51	ug/kg	
108-90-7	Chlorobenzene	ND	1.6	0.38	ug/kg	
75-00-3	Chloroethane	ND	4.1	0.49	ug/kg	
67-66-3	Chloroform	ND	1.6	0.43	ug/kg	
74-87-3	Chloromethane	ND	4.1	1.6	ug/kg	
110-82-7	Cyclohexane	ND	1.6	0.54	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	1.6	0.57	ug/kg	
124-48-1	Dibromochloromethane	ND	1.6	0.46	ug/kg	
106-93-4	1,2-Dibromoethane	ND	0.82	0.35	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.82	0.45	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.82	0.41	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.82	0.41	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	4.1	0.60	ug/kg	
75-34-3	1,1-Dichloroethane	ND	0.82	0.41	ug/kg	
107-06-2	1,2-Dichloroethane	ND	0.82	0.39	ug/kg	
75-35-4	1,1-Dichloroethene	ND	0.82	0.54	ug/kg	
156-59-2	cis-1,2-Dichloroethene [b]	ND	0.82	0.69	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.82	0.50	ug/kg	
78-87-5	1,2-Dichloropropane	ND	1.6	0.39	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	1.6	0.39	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	1.6	0.38	ug/kg	
100-41-4	Ethylbenzene	ND	0.82	0.37	ug/kg	
76-13-1	Freon 113	ND	4.1	2.2	ug/kg	
591-78-6	2-Hexanone [c]	ND	4.1	1.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.6	1.2	ug/kg	
79-20-9	Methyl Acetate	ND	4.1	1.1	ug/kg	
108-87-2	Methylcyclohexane	ND	1.6	0.72	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.82	0.38	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	4.1	1.9	ug/kg	
75-09-2	Methylene chloride	2.5	4.1	2.1	ug/kg	J
100-42-5	Styrene	ND	1.6	0.33	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.6	0.49	ug/kg	
127-18-4	Tetrachloroethene	ND	1.6	0.48	ug/kg	
108-88-3	Toluene	ND	0.82	0.43	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	4.1	2.1	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	4.1	2.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	1.6	0.40	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	1.6	0.45	ug/kg	
79-01-6	Trichloroethene	ND	0.82	0.63	ug/kg	
75-69-4	Trichlorofluoromethane	ND	4.1	0.56	ug/kg	
75-01-4	Vinyl chloride	ND	1.6	0.39	ug/kg	
	m,p-Xylene	ND	0.82	0.74	ug/kg	
95-47-6	o-Xylene	ND	0.82	0.38	ug/kg	
1330-20-7	Xylene (total)	ND	0.82	0.38	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	115%		80-124%
17060-07-0	1,2-Dichloroethane-D4	96%		75-133%
2037-26-5	Toluene-D8	102%		79-125%
460-00-4	4-Bromofluorobenzene	93%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5250.D	1	12/24/23 03:55	RS	12/22/23 12:13	OP51352	ECR239
Run #2							

	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	71	18	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	180	22	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	180	30	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	180	63	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	180	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	180	38	ug/kg	
95-48-7	2-Methylphenol	ND	71	23	ug/kg	
	3&4-Methylphenol	ND	71	29	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	180	24	ug/kg	
100-02-7	4-Nitrophenol	ND	360	95	ug/kg	
87-86-5	Pentachlorophenol	ND	140	33	ug/kg	
108-95-2	Phenol	ND	71	19	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	180	24	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	180	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	180	21	ug/kg	
83-32-9	Acenaphthene	ND	36	12	ug/kg	
208-96-8	Acenaphthylene	ND	36	18	ug/kg	
98-86-2	Acetophenone	ND	180	7.7	ug/kg	
120-12-7	Anthracene	ND	36	22	ug/kg	
1912-24-9	Atrazine	ND	71	15	ug/kg	
56-55-3	Benzo(a)anthracene	ND	36	10	ug/kg	
50-32-8	Benzo(a)pyrene	ND	36	16	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	36	16	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	36	18	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	36	17	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	71	14	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	71	8.7	ug/kg	
92-52-4	1,1'-Biphenyl	ND	71	4.9	ug/kg	
100-52-7	Benzaldehyde	ND	180	8.8	ug/kg	
91-58-7	2-Chloronaphthalene	ND	71	8.5	ug/kg	
106-47-8	4-Chloroaniline	ND	180	13	ug/kg	
86-74-8	Carbazole	ND	71	5.2	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	71	14	ug/kg	
218-01-9	Chrysene	ND	36	11	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	71	7.6	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	71	15	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	71	13	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	71	12	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	36	11	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	36	18	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	71	30	ug/kg	
123-91-1	1,4-Dioxane	ND	36	24	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	36	16	ug/kg	
132-64-9	Dibenzofuran	ND	71	15	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	71	5.8	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	71	8.9	ug/kg	
84-66-2	Diethyl phthalate	ND	71	7.6	ug/kg	
131-11-3	Dimethyl phthalate	ND	71	6.3	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	71	8.3	ug/kg	
206-44-0	Fluoranthene	ND	36	16	ug/kg	
86-73-7	Fluorene	ND	36	16	ug/kg	
118-74-1	Hexachlorobenzene	ND	71	9.0	ug/kg	
87-68-3	Hexachlorobutadiene	ND	36	14	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	360	14	ug/kg	
67-72-1	Hexachloroethane	ND	180	18	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	36	17	ug/kg	
78-59-1	Isophorone	ND	71	7.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	8.1	ug/kg	
88-74-4	2-Nitroaniline	ND	180	8.4	ug/kg	
99-09-2	3-Nitroaniline	ND	180	8.9	ug/kg	
100-01-6	4-Nitroaniline	ND	180	9.2	ug/kg	
91-20-3	Naphthalene	ND	36	10	ug/kg	
98-95-3	Nitrobenzene	ND	71	14	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	71	10	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	180	13	ug/kg	
85-01-8	Phenanthrene	ND	36	12	ug/kg	
129-00-0	Pyrene	ND	36	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	180	9.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	51%		10-96%
118-79-6	2,4,6-Tribromophenol	70%		10-123%
4165-60-0	Nitrobenzene-d5	48%		10-109%
321-60-8	2-Fluorobiphenyl	55%		11-109%
1718-51-0	Terphenyl-d14	62%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.73	320	ug/kg	J
	System artifact	3.88	340	ug/kg	J
	Unknown	4.45	230	ug/kg	J
	Unknown	6.06	140	ug/kg	J
	Unknown	11.51	240	ug/kg	J
	Unknown	12.98	160	ug/kg	J
	Unknown	13.14	280	ug/kg	J
	Unknown	13.25	220	ug/kg	J
	Unknown	13.35	220	ug/kg	J
	Unknown	13.43	200	ug/kg	J
	Total TIC, Semi-Volatile		1690	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Method: SW846 8081B SW846 3570
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94822.D	1	12/27/23 05:01	CP	12/22/23 11:30	OP51356	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.41	0.080	ug/kg	
319-84-6	alpha-BHC	ND	0.41	0.047	ug/kg	
319-85-7	beta-BHC	ND	0.41	0.059	ug/kg	
319-86-8	delta-BHC	ND	0.41	0.061	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.41	0.072	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.41	0.055	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.41	0.061	ug/kg	
60-57-1	Dieldrin	ND	0.41	0.065	ug/kg	
72-54-8	4,4'-DDD	ND	0.41	0.043	ug/kg	
72-55-9	4,4'-DDE	ND	0.41	0.049	ug/kg	
50-29-3	4,4'-DDT	ND	0.41	0.072	ug/kg	
72-20-8	Endrin	ND	0.41	0.059	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.41	0.049	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.41	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.41	0.055	ug/kg	
33213-65-9	Endosulfan-II	ND	0.41	0.057	ug/kg	
76-44-8	Heptachlor	ND	0.41	0.053	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.41	0.074	ug/kg	
72-43-5	Methoxychlor	ND	0.41	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.41	0.065	ug/kg	
8001-35-2	Toxaphene	ND	5.1	3.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	93%		66-150%
877-09-8	Tetrachloro-m-xylene	116%		66-150%
2051-24-3	Decachlorobiphenyl	52%		40-150%
2051-24-3	Decachlorobiphenyl	70%		40-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-102 (3-3.5)		
Lab Sample ID:	JD79288-1	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	92.3
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL10946.D	1	12/27/23 10:18	RK	12/22/23 11:30	OP51357	GRL247
Run #2							

	Initial Weight	Final Volume
Run #1	5.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.7	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.9	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.4	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	7.1	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.1	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		42-159%
877-09-8	Tetrachloro-m-xylene	94%		42-159%
2051-24-3	Decachlorobiphenyl	99%		18-154%
2051-24-3	Decachlorobiphenyl	116%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-102 (3-3.5)
Lab Sample ID: JD79288-1
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 92.3

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	11200	52	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 2.1	2.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	< 2.1	2.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	103	21	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.65	0.21	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.52	0.52	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	1960	520	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	20.9	1.0	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	8.3	5.2	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	18.0	2.6	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	19700	52	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	6.9	2.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	4340	520	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	371	1.5	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.033	0.033	mg/kg	1	12/28/23	12/28/23	LM	SW846 7471B [2]	SW846 7471B [4]
Nickel	17.5	4.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	3820	1000	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 2.1	2.1	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.52	0.52	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 1000	1000	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 1.0	1.0	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	25.0	5.2	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	40.1	5.2	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA55292
(2) Instrument QC Batch: MA55309
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP44006

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-102 (3-3.5)		
Lab Sample ID:	JD79288-1	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
		Percent Solids:	92.3
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.28	0.28	mg/kg	1	12/28/23 15:12	JD	SW846 9012B/LACHAT
Solids, Percent	92.3		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

Report of Analysis

Client Sample ID: SB-101 (2.5-3)
Lab Sample ID: JD79288-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 70.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I254318.D	1	12/21/23 15:15	JN	12/21/23 07:00	n/a	VI10301
Run #2							

	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	37.0	13	5.3	ug/kg	
71-43-2	Benzene	ND	0.64	0.58	ug/kg	
74-97-5	Bromochloromethane [b]	ND	6.4	0.71	ug/kg	
75-27-4	Bromodichloromethane	ND	2.6	0.55	ug/kg	
75-25-2	Bromoform	ND	6.4	1.7	ug/kg	
74-83-9	Bromomethane	ND	6.4	0.97	ug/kg	
78-93-3	2-Butanone (MEK) [a]	8.1	13	3.1	ug/kg	J
75-15-0	Carbon disulfide	ND	2.6	0.68	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.6	0.79	ug/kg	
108-90-7	Chlorobenzene	ND	2.6	0.59	ug/kg	
75-00-3	Chloroethane	ND	6.4	0.75	ug/kg	
67-66-3	Chloroform	ND	2.6	0.66	ug/kg	
74-87-3	Chloromethane	ND	6.4	2.5	ug/kg	
110-82-7	Cyclohexane	ND	2.6	0.84	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.6	0.89	ug/kg	
124-48-1	Dibromochloromethane	ND	2.6	0.71	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.3	0.54	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.3	0.70	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.3	0.63	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.3	0.63	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	6.4	0.93	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.3	0.63	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.3	0.60	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.3	0.84	ug/kg	
156-59-2	cis-1,2-Dichloroethene [b]	ND	1.3	1.1	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.3	0.78	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.6	0.60	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.6	0.61	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.6	0.58	ug/kg	
100-41-4	Ethylbenzene	ND	1.3	0.58	ug/kg	
76-13-1	Freon 113	ND	6.4	3.4	ug/kg	
591-78-6	2-Hexanone [c]	ND	6.4	2.7	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-101 (2.5-3)
Lab Sample ID: JD79288-2
Matrix: SO - Soil
Method: SW846 8260D SW846 5035
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 70.0

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	2.6	1.8	ug/kg	
79-20-9	Methyl Acetate	ND	6.4	1.8	ug/kg	
108-87-2	Methylcyclohexane	ND	2.6	1.1	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.3	0.60	ug/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	6.4	2.9	ug/kg	
75-09-2	Methylene chloride	5.0	6.4	3.3	ug/kg	J
100-42-5	Styrene	ND	2.6	0.51	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.6	0.76	ug/kg	
127-18-4	Tetrachloroethene	ND	2.6	0.74	ug/kg	
108-88-3	Toluene	ND	1.3	0.67	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	6.4	3.2	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	6.4	3.2	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.6	0.62	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.6	0.71	ug/kg	
79-01-6	Trichloroethene	ND	1.3	0.97	ug/kg	
75-69-4	Trichlorofluoromethane	ND	6.4	0.87	ug/kg	
75-01-4	Vinyl chloride	ND	2.6	0.61	ug/kg	
	m,p-Xylene	ND	1.3	1.1	ug/kg	
95-47-6	o-Xylene	ND	1.3	0.58	ug/kg	
1330-20-7	Xylene (total)	ND	1.3	0.58	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	117%		80-124%
17060-07-0	1,2-Dichloroethane-D4	98%		75-133%
2037-26-5	Toluene-D8	104%		79-125%
460-00-4	4-Bromofluorobenzene	97%		58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

(a) Associated CCV outside of control limits high.
(b) This compound in blank spike is outside in house QC limits bias high.
(c) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-101 (2.5-3)
Lab Sample ID: JD79288-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 70.0

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	CR5249.D	1	12/24/23 03:36	RS	12/22/23 12:13	OP51352	ECR239
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	95	23	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	240	29	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	240	40	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	240	84	ug/kg	
51-28-5	2,4-Dinitrophenol [a]	ND	240	180	ug/kg	
534-52-1	4,6-Dinitro-o-cresol [a]	ND	240	51	ug/kg	
95-48-7	2-Methylphenol	ND	95	30	ug/kg	
	3&4-Methylphenol	ND	95	39	ug/kg	
88-75-5	2-Nitrophenol [a]	ND	240	31	ug/kg	
100-02-7	4-Nitrophenol	ND	470	130	ug/kg	
87-86-5	Pentachlorophenol	ND	190	45	ug/kg	
108-95-2	Phenol	ND	95	25	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	240	31	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	240	36	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	240	28	ug/kg	
83-32-9	Acenaphthene	ND	47	16	ug/kg	
208-96-8	Acenaphthylene	30.3	47	24	ug/kg	J
98-86-2	Acetophenone	ND	240	10	ug/kg	
120-12-7	Anthracene	ND	47	29	ug/kg	
1912-24-9	Atrazine	ND	95	20	ug/kg	
56-55-3	Benzo(a)anthracene	119	47	13	ug/kg	
50-32-8	Benzo(a)pyrene	170	47	22	ug/kg	
205-99-2	Benzo(b)fluoranthene	170	47	21	ug/kg	
191-24-2	Benzo(g,h,i)perylene	75.2	47	24	ug/kg	
207-08-9	Benzo(k)fluoranthene	37.0	47	22	ug/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	95	18	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	95	12	ug/kg	
92-52-4	1,1'-Biphenyl	ND	95	6.5	ug/kg	
100-52-7	Benzaldehyde	ND	240	12	ug/kg	
91-58-7	2-Chloronaphthalene	ND	95	11	ug/kg	
106-47-8	4-Chloroaniline	ND	240	17	ug/kg	
86-74-8	Carbazole	ND	95	6.9	ug/kg	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-101 (2.5-3)
Lab Sample ID: JD79288-2
Matrix: SO - Soil
Method: SW846 8270E SW846 3546
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 70.0

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	95	19	ug/kg	
218-01-9	Chrysene	101	47	15	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	95	10	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	95	20	ug/kg	
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	95	17	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	95	15	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	47	15	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	47	24	ug/kg	
91-94-1	3,3'-Dichlorobenzidine [a]	ND	95	40	ug/kg	
123-91-1	1,4-Dioxane	ND	47	31	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	44.1	47	21	ug/kg	J
132-64-9	Dibenzofuran	ND	95	19	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	95	7.7	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	95	12	ug/kg	
84-66-2	Diethyl phthalate	ND	95	10	ug/kg	
131-11-3	Dimethyl phthalate	ND	95	8.4	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	95	11	ug/kg	
206-44-0	Fluoranthene	171	47	21	ug/kg	
86-73-7	Fluorene	ND	47	22	ug/kg	
118-74-1	Hexachlorobenzene	ND	95	12	ug/kg	
87-68-3	Hexachlorobutadiene	ND	47	19	ug/kg	
77-47-4	Hexachlorocyclopentadiene [a]	ND	470	19	ug/kg	
67-72-1	Hexachloroethane	ND	240	23	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	90.2	47	22	ug/kg	
78-59-1	Isophorone	ND	95	10	ug/kg	
91-57-6	2-Methylnaphthalene	ND	47	11	ug/kg	
88-74-4	2-Nitroaniline	ND	240	11	ug/kg	
99-09-2	3-Nitroaniline	ND	240	12	ug/kg	
100-01-6	4-Nitroaniline	ND	240	12	ug/kg	
91-20-3	Naphthalene	ND	47	13	ug/kg	
98-95-3	Nitrobenzene	ND	95	18	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	95	14	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	240	17	ug/kg	
85-01-8	Phenanthrene	45.8	47	16	ug/kg	J
129-00-0	Pyrene	137	47	15	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	240	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	49%		10-99%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-101 (2.5-3)		
Lab Sample ID:	JD79288-2	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
Method:	SW846 8270E SW846 3546	**Percent Solids:**	70.0
Project:	99 Franklin Courts, Tarrytown, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	52%		10-96%
118-79-6	2,4,6-Tribromophenol	80%		10-123%
4165-60-0	Nitrobenzene-d5	51%		10-109%
321-60-8	2-Fluorobiphenyl	58%		11-109%
1718-51-0	Terphenyl-d14	67%		10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	System artifact	3.73	520	ug/kg	J
	System artifact/aldol-condensation	3.77	220	ug/kg	J
	System artifact	3.88	540	ug/kg	J
	Unknown	4.45	270	ug/kg	J
	Unknown	6.07	250	ug/kg	J
	Unknown	11.48	290	ug/kg	J
	Unknown	14.30	470	ug/kg	J
	Total TIC, Semi-Volatile		1280	ug/kg	J

(a) Associated CCV outside of control limits high, sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-101 (2.5-3)		
Lab Sample ID:	JD79288-2	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
Method:	SW846 8081B SW846 3570	**Percent Solids:**	70.0
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6G94823.D	1	12/27/23 05:22	CP	12/22/23 11:30	OP51356	G6G3519
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.52	0.10	ug/kg	
319-84-6	alpha-BHC	ND	0.52	0.060	ug/kg	
319-85-7	beta-BHC	ND	0.52	0.075	ug/kg	
319-86-8	delta-BHC	ND	0.52	0.078	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.52	0.091	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.52	0.070	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.52	0.078	ug/kg	
60-57-1	Dieldrin	ND	0.52	0.083	ug/kg	
72-54-8	4,4'-DDD	ND	0.52	0.055	ug/kg	
72-55-9	4,4'-DDE	ND	0.52	0.062	ug/kg	
50-29-3	4,4'-DDT	ND	0.52	0.091	ug/kg	
72-20-8	Endrin	ND	0.52	0.075	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.52	0.062	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.52	0.15	ug/kg	
959-98-8	Endosulfan-I	ND	0.52	0.070	ug/kg	
33213-65-9	Endosulfan-II	ND	0.52	0.073	ug/kg	
76-44-8	Heptachlor	ND	0.52	0.068	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.52	0.094	ug/kg	
72-43-5	Methoxychlor	ND	0.52	0.21	ug/kg	
53494-70-5	Endrin ketone	ND	0.52	0.083	ug/kg	
8001-35-2	Toxaphene	ND	6.5	4.3	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		66-150%
877-09-8	Tetrachloro-m-xylene	128%		66-150%
2051-24-3	Decachlorobiphenyl	54%		40-150%
2051-24-3	Decachlorobiphenyl	81%		40-150%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-101 (2.5-3)		
Lab Sample ID:	JD79288-2	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
Method:	SW846 8082A SW846 3570	**Percent Solids:**	70.0
Project:	99 Franklin Courts, Tarrytown, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	RL10947.D	1	12/27/23 10:34	RK	12/22/23 11:30	OP51357	GRL247
Run #2							

	Initial Weight	Final Volume
Run #1	5.5 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	26	11	ug/kg	
11104-28-2	Aroclor 1221	ND	26	8.7	ug/kg	
11141-16-5	Aroclor 1232	ND	26	22	ug/kg	
53469-21-9	Aroclor 1242	ND	26	16	ug/kg	
12672-29-6	Aroclor 1248	ND	26	5.6	ug/kg	
11097-69-1	Aroclor 1254	ND	26	2.8	ug/kg	
11096-82-5	Aroclor 1260	ND	26	9.0	ug/kg	
11100-14-4	Aroclor 1268	ND	26	2.6	ug/kg	
37324-23-5	Aroclor 1262	ND	26	2.2	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		42-159%
877-09-8	Tetrachloro-m-xylene	96%		42-159%
2051-24-3	Decachlorobiphenyl	97%		18-154%
2051-24-3	Decachlorobiphenyl	98%		18-154%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-101 (2.5-3)
Lab Sample ID: JD79288-2
Matrix: SO - Soil
Project: 99 Franklin Courts, Tarrytown, NY

Date Sampled: 12/19/23
Date Received: 12/20/23
Percent Solids: 70.0

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Aluminum	5470	48	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Antimony	< 1.9	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Arsenic	4.1	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Barium	98.2	19	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Beryllium	0.28	0.19	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cadmium	< 0.48	0.48	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Calcium	44600	2400	mg/kg	5	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Chromium	8.8	0.95	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Cobalt	< 4.8	4.8	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Copper	8.6	2.4	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Iron	17400	48	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Lead	53.4	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Magnesium	26900	480	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Manganese	165	1.4	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Mercury	< 0.041	0.041	mg/kg	1	12/28/23	12/28/23	LM	SW846 7471B [2]	SW846 7471B [4]
Nickel	8.9	3.8	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Potassium	1080	950	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Selenium	< 1.9	1.9	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Silver	< 0.48	0.48	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Sodium	< 950	950	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Thallium	< 0.95	0.95	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Vanadium	13.0	4.8	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]
Zinc	54.6	4.8	mg/kg	1	12/22/23	12/26/23	ND	SW846 6010D [1]	SW846 3050B [3]

(1) Instrument QC Batch: MA55292
(2) Instrument QC Batch: MA55309
(3) Prep QC Batch: MP43884
(4) Prep QC Batch: MP44006

RL = Reporting Limit

Report of Analysis

Client Sample ID:	SB-101 (2.5-3)		
Lab Sample ID:	JD79288-2	**Date Sampled:**	12/19/23
Matrix:	SO - Soil	**Date Received:**	12/20/23
		Percent Solids:	70.0
Project:	99 Franklin Courts, Tarrytown, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Cyanide	< 0.37	0.37	mg/kg	1	12/28/23 15:13	JD	SW846 9012B/LACHAT
Solids, Percent	70		%	1	12/22/23 16:00	MK	SM2540 G 18TH ED MOD

RL = Reporting Limit

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

SO
SLL

PM

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page __ of __

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: KR-121223-111
SGS Quote #:
SGS Job #: JD79288

Client / Reporting Information

Company Name: SESI
Street Address: 959 US 46E
City: Parsippany State: NJ Zip:
Project Contact: Steve Gustems E-mail:
Phone #: 973-808-9050
Sampler(s) Name(s): Gerald Madden Phone #:

Project Information

Project Name: Franklin Courts
Street: " "
City: Tarrytown State: NY
Project #: 12345
Client Purchase Order #: Phase 3.1
Project Manager: Steve Gustems

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis

TCL + 30 TAL (soils)
VOCs
PFAS (1633)

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
1	SB-102 (3-3.5) *		8:10AM 12/19/23	1115	GM	G	N		4					✓			✓		D55
2	SB-101 (2.5-3) *		2:15PM 12/19/23	0810	GM	G	N		4					✓			✓		encore
																			415
																			4907

Turn Around Time (Business Days)

Approved By (SGS PM): / Date:

- [ ] 10 Business Days
- [x] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via Lablink

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [ ] EDD Format
- [ ] DOD-QSM5

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

*3x5g encore

Initial Assessment 24 hr
Label Verification

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date / Time:	Received By:	Relinquished by:	Date / Time:	Received By:
1	12/19/23, 6:49PM	1 12.20.23 908	2	12.20.23 1826	2
3		3	4		4
5		5	Custody Seal #	Intact / Not intact / Absent	Therm ID: / See Sample Receipt Summary: On Ice / Cooler Temp. °C: 1.8 IR40

5.1
5

JD79288: Chain of Custody
Page 1 of 3

SGS Sample Receipt Summary

Job Number: JD79288 **Client:** SESI CONSULTING ENGINEERS **Project:** 99 FRANKLIN COURTS, TARRYTOWN, NY

Date / Time Received: 12/20/2023 6:26:00 PM **Delivery Method:** SGS COURIER **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (1.8);

Cooler Temps (Corrected) °C: Cooler 1: (1.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☐

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments: 1). The samples are not marked for analysis on the COC. Please verify the analyses.

Responded to by: Michelle

Response Date: 12/21

Please run all samples for XTCL20+, PFAS not needed

JD79288: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD79288

99 Franklin Courts, Tarrytown, NY
Project No: 12345 PO#PHASE 8.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD79288-1	Collected: 19-DEC-23 14:15 By: GM			Received: 20-DEC-23 By: JR		
SB-102 (3-3.5)						
JD79288-1	SW846 8260D	21-DEC-23 14:54	JN			V8260TCL20+
JD79288-1	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79288-1	SW846 8270E	24-DEC-23 03:55	RS	22-DEC-23	GL	AB8270TCL20+
JD79288-1	SW846 6010D	26-DEC-23 16:12	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CA,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79288-1	SW846 8081B	27-DEC-23 05:01	CP	22-DEC-23	TG	P8081PESTTCL
JD79288-1	SW846 8082A	27-DEC-23 10:18	RK	22-DEC-23	TG	P8082PCB11AO
JD79288-1	SW846 9012B/LACHAT	28-DEC-23 15:12	JD	26-DEC-23	MB	CN
JD79288-1	SW846 7471B	28-DEC-23 19:04	LM	28-DEC-23	LM	HG
JD79288-2	Collected: 19-DEC-23 08:10 By: GM			Received: 20-DEC-23 By: JR		
SB-101 (2.5-3)						
JD79288-2	SW846 8260D	21-DEC-23 15:15	JN			V8260TCL20+
JD79288-2	SM2540 G 18TH ED MOD	22-DEC-23 16:00	MK			SOL104
JD79288-2	SW846 8270E	24-DEC-23 03:36	RS	22-DEC-23	GL	AB8270TCL20+
JD79288-2	SW846 6010D	26-DEC-23 16:23	ND	22-DEC-23	SS	AG,AL,AS,BA,BE,CD,CO,CR,CU,FE,K,MG,MN,NA,NI,PB,SB,SE,TL,V,ZN
JD79288-2	SW846 6010D	26-DEC-23 17:05	ND	22-DEC-23	SS	CA
JD79288-2	SW846 8081B	27-DEC-23 05:22	CP	22-DEC-23	TG	P8081PESTTCL
JD79288-2	SW846 8082A	27-DEC-23 10:34	RK	22-DEC-23	TG	P8082PCB11AO
JD79288-2	SW846 9012B/LACHAT	28-DEC-23 15:13	JD	26-DEC-23	MB	CN
JD79288-2	SW846 7471B	28-DEC-23 19:06	LM	28-DEC-23	LM	HG

SGS Internal Chain of Custody

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/20/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79288-1.1	Bilaal Nazar	Secured Storage	12/20/23 23:37	Return to Storage
JD79288-1.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79288-1.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79288-1.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79288-1.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79288-1.1	Secured Storage	Dave Hunkele	12/23/23 13:40	Retrieve from Storage
JD79288-1.1	Dave Hunkele	Secured Staging Area	12/23/23 13:40	Return to Storage
JD79288-1.1	Secured Staging Area	Christopher Bruning	12/24/23 14:23	Retrieve from Storage
JD79288-1.1	Christopher Bruning	Secured Storage	12/25/23 00:32	Return to Storage
JD79288-1.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:57	Extract from JD79288-1.1
JD79288-1.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79288-1.1
JD79288-1.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79288-1.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:57	Extract from JD79288-1.1
JD79288-1.1.2	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79288-1.1
JD79288-1.1.2	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79288-1.1.2	Extract Storage	Christine Phillips	12/27/23 02:57	Retrieve from Storage
JD79288-1.1.2	Christine Phillips	GC6G	12/27/23 02:57	Load on Instrument
JD79288-1.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:38	Extract from JD79288-1.1
JD79288-1.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79288-1.1
JD79288-1.1.3	Giovanni Lopezhernandez		12/23/23 13:21	Depleted
JD79288-1.1.4	Giovanni Lopezhernandez	Giovanni Lopezhernandez	12/23/23 11:28	Extract from JD79288-1.1.3
JD79288-1.1.4	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:28	Return to Storage
JD79288-1.1.5	Giovanni Lopezhernandez	Giovanni Lopezhernandez	12/23/23 13:20	Extract from JD79288-1.1.3
JD79288-1.1.5	Giovanni Lopezhernandez	Extract Storage	12/23/23 13:20	Return to Storage
JD79288-1.2	Secured Storage	Jayna Patel	12/21/23 08:00	Retrieve from Storage
JD79288-1.2	Jayna Patel		12/21/23 08:32	Depleted
JD79288-2.1	Bilaal Nazar	Secured Storage	12/20/23 23:37	Return to Storage
JD79288-2.1	Secured Storage	Joe Waddington	12/21/23 23:16	Retrieve from Storage
JD79288-2.1	Joe Waddington	Secured Staging Area	12/21/23 23:16	Return to Storage
JD79288-2.1	Secured Staging Area	Giovanni Lopezhernandez	12/22/23 03:36	Retrieve from Storage
JD79288-2.1	Giovanni Lopezhernandez	Secured Storage	12/22/23 14:36	Return to Storage
JD79288-2.1	Secured Storage	Dave Hunkele	12/23/23 13:40	Retrieve from Storage
JD79288-2.1	Dave Hunkele	Secured Staging Area	12/23/23 13:40	Return to Storage
JD79288-2.1	Secured Staging Area	Christopher Bruning	12/24/23 14:23	Retrieve from Storage
JD79288-2.1	Christopher Bruning	Secured Storage	12/25/23 00:32	Return to Storage
JD79288-2.1.1	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:57	Extract from JD79288-2.1

SGS Internal Chain of Custody

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY
Received: 12/20/23

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD79288-2.1.1	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79288-2.1
JD79288-2.1.1	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79288-2.1.2	Giovanni Lopezhernandez	Organics Prep	12/22/23 03:57	Extract from JD79288-2.1
JD79288-2.1.2	Organics Prep	Naisha Torres	12/22/23 16:31	Extract from JD79288-2.1
JD79288-2.1.2	Naisha Torres	Extract Storage	12/22/23 16:31	Return to Storage
JD79288-2.1.2	Extract Storage	Christine Phillips	12/27/23 02:57	Retrieve from Storage
JD79288-2.1.2	Christine Phillips	GC6G	12/27/23 02:57	Load on Instrument
JD79288-2.1.3	Giovanni Lopezhernandez	Organics Prep	12/22/23 08:38	Extract from JD79288-2.1
JD79288-2.1.3	Organics Prep	Giovanni Lopezhernandez	12/23/23 11:26	Extract from JD79288-2.1
JD79288-2.1.3	Giovanni Lopezhernandez		12/23/23 13:21	Depleted
JD79288-2.1.4	Giovanni Lopezhernandez	Giovanni Lopezhernandez	12/23/23 11:28	Extract from JD79288-2.1.3
JD79288-2.1.4	Giovanni Lopezhernandez	Extract Storage	12/23/23 11:28	Return to Storage
JD79288-2.1.5	Giovanni Lopezhernandez	Giovanni Lopezhernandez	12/23/23 13:20	Extract from JD79288-2.1.3
JD79288-2.1.5	Giovanni Lopezhernandez	Extract Storage	12/23/23 13:20	Return to Storage
JD79288-2.2	Secured Storage	Jayna Patel	12/21/23 07:58	Retrieve from Storage
JD79288-2.2	Jayna Patel		12/21/23 08:32	Depleted

MS Volatiles

6

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI10301-MB	I254314.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.1	ug/kg	
71-43-2	Benzene	ND	0.50	0.46	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	0.56	ug/kg	
75-27-4	Bromodichloromethane	ND	2.0	0.43	ug/kg	
75-25-2	Bromoform	ND	5.0	1.4	ug/kg	
74-83-9	Bromomethane	ND	5.0	0.76	ug/kg	
78-93-3	2-Butanone (MEK)	ND	10	2.4	ug/kg	
75-15-0	Carbon disulfide	ND	2.0	0.54	ug/kg	
56-23-5	Carbon tetrachloride	ND	2.0	0.62	ug/kg	
108-90-7	Chlorobenzene	ND	2.0	0.46	ug/kg	
75-00-3	Chloroethane	ND	5.0	0.59	ug/kg	
67-66-3	Chloroform	ND	2.0	0.52	ug/kg	
74-87-3	Chloromethane	ND	5.0	2.0	ug/kg	
110-82-7	Cyclohexane	ND	2.0	0.66	ug/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/kg	
124-48-1	Dibromochloromethane	ND	2.0	0.56	ug/kg	
106-93-4	1,2-Dibromoethane	ND	1.0	0.42	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.55	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.49	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	0.73	ug/kg	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/kg	
107-06-2	1,2-Dichloroethane	ND	1.0	0.47	ug/kg	
75-35-4	1,1-Dichloroethene	ND	1.0	0.66	ug/kg	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.84	ug/kg	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.61	ug/kg	
78-87-5	1,2-Dichloropropane	ND	2.0	0.47	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.48	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.46	ug/kg	
100-41-4	Ethylbenzene	ND	1.0	0.45	ug/kg	
76-13-1	Freon 113	ND	5.0	2.7	ug/kg	
591-78-6	2-Hexanone	ND	5.0	2.1	ug/kg	
98-82-8	Isopropylbenzene	ND	2.0	1.4	ug/kg	
79-20-9	Methyl Acetate	ND	5.0	1.4	ug/kg	
108-87-2	Methylcyclohexane	ND	2.0	0.88	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.47	ug/kg	

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI10301-MB	I254314.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	2.3	ug/kg	
75-09-2	Methylene chloride	ND	5.0	2.6	ug/kg	
100-42-5	Styrene	ND	2.0	0.40	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/kg	
127-18-4	Tetrachloroethene	ND	2.0	0.58	ug/kg	
108-88-3	Toluene	ND	1.0	0.53	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.48	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.55	ug/kg	
79-01-6	Trichloroethene	ND	1.0	0.76	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	0.68	ug/kg	
75-01-4	Vinyl chloride	ND	2.0	0.48	ug/kg	
	m,p-Xylene	ND	1.0	0.90	ug/kg	
95-47-6	o-Xylene	ND	1.0	0.46	ug/kg	
1330-20-7	Xylene (total)	ND	1.0	0.46	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	80-124%
17060-07-0	1,2-Dichloroethane-D4	91%	75-133%
2037-26-5	Toluene-D8	103%	79-125%
460-00-4	4-Bromofluorobenzene	93%	58-148%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI10301-BS	I254312.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	200	274	137	52-156
71-43-2	Benzene	50	52.5	105	82-119
74-97-5	Bromochloromethane	50	62.0	124* [a]	82-123
75-27-4	Bromodichloromethane	50	57.8	116	83-121
75-25-2	Bromoform	50	55.3	111	74-138
74-83-9	Bromomethane	50	56.0	112	56-150
78-93-3	2-Butanone (MEK)	200	247	124	72-138
75-15-0	Carbon disulfide	50	59.7	119	67-131
56-23-5	Carbon tetrachloride	50	56.7	113	72-130
108-90-7	Chlorobenzene	50	54.4	109	83-114
75-00-3	Chloroethane	50	56.0	112	67-141
67-66-3	Chloroform	50	55.7	111	76-115
74-87-3	Chloromethane	50	54.6	109	57-141
110-82-7	Cyclohexane	50	56.9	114	69-130
96-12-8	1,2-Dibromo-3-chloropropane	50	53.2	106	72-131
124-48-1	Dibromochloromethane	50	55.2	110	80-128
106-93-4	1,2-Dibromoethane	50	52.8	106	58-145
95-50-1	1,2-Dichlorobenzene	50	53.3	107	83-117
541-73-1	1,3-Dichlorobenzene	50	51.0	102	82-114
106-46-7	1,4-Dichlorobenzene	50	51.4	103	79-114
75-71-8	Dichlorodifluoromethane	50	49.0	98	49-146
75-34-3	1,1-Dichloroethane	50	60.1	120	76-126
107-06-2	1,2-Dichloroethane	50	49.0	98	76-118
75-35-4	1,1-Dichloroethene	50	59.7	119	72-125
156-59-2	cis-1,2-Dichloroethene	50	62.0	124* [a]	80-118
156-60-5	trans-1,2-Dichloroethene	50	57.4	115	76-122
78-87-5	1,2-Dichloropropane	50	54.4	109	82-123
10061-01-5	cis-1,3-Dichloropropene	50	55.2	110	83-123
10061-02-6	trans-1,3-Dichloropropene	50	54.2	108	83-123
100-41-4	Ethylbenzene	50	53.3	107	83-115
76-13-1	Freon 113	50	63.7	127	65-132
591-78-6	2-Hexanone	200	238	119	73-138
98-82-8	Isopropylbenzene	50	52.6	105	81-122
79-20-9	Methyl Acetate	50	54.5	109	63-142
108-87-2	Methylcyclohexane	50	51.1	102	73-126
1634-04-4	Methyl Tert Butyl Ether	50	49.1	98	75-126

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI10301-BS	I254312.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	200	223	112	71-138
75-09-2	Methylene chloride	50	56.3	113	73-122
100-42-5	Styrene	50	55.2	110	84-122
79-34-5	1,1,2,2-Tetrachloroethane	50	50.0	100	75-127
127-18-4	Tetrachloroethene	50	51.3	103	73-125
108-88-3	Toluene	50	51.2	102	82-118
87-61-6	1,2,3-Trichlorobenzene	50	47.2	94	68-132
120-82-1	1,2,4-Trichlorobenzene	50	49.8	100	72-133
71-55-6	1,1,1-Trichloroethane	50	58.2	116	77-124
79-00-5	1,1,2-Trichloroethane	50	55.0	110	83-122
79-01-6	Trichloroethene	50	52.3	105	80-122
75-69-4	Trichlorofluoromethane	50	59.6	119	69-132
75-01-4	Vinyl chloride	50	51.2	102	60-144
	m,p-Xylene	100	108	108	82-119
95-47-6	o-Xylene	50	55.7	111	84-120
1330-20-7	Xylene (total)	150	164	109	83-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	113%	80-124%
17060-07-0	1,2-Dichloroethane-D4	96%	75-133%
2037-26-5	Toluene-D8	101%	79-125%
460-00-4	4-Bromofluorobenzene	95%	58-148%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79243-5MS	I254320.D	1	12/21/23	JN	n/a	n/a	VI10301
JD79243-5	I254315.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	JD79243-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
67-64-1	Acetone	ND		196	239	122	10-170
71-43-2	Benzene	ND		49	41.5	85	61-132
74-97-5	Bromochloromethane	ND		49	49.4	101	68-126
75-27-4	Bromodichloromethane	ND		49	44.7	91	65-129
75-25-2	Bromoform	ND		49	49.4	101	52-136
74-83-9	Bromomethane	ND		49	45.7	93	23-158
78-93-3	2-Butanone (MEK)	ND		196	241	123	45-142
75-15-0	Carbon disulfide	ND		49	44.3	90	50-140
56-23-5	Carbon tetrachloride	ND		49	42.6	87	54-139
108-90-7	Chlorobenzene	ND		49	43.7	89	57-127
75-00-3	Chloroethane	ND		49	52.6	107	30-157
67-66-3	Chloroform	ND		49	42.3	86	59-127
74-87-3	Chloromethane	ND		49	44.9	92	49-145
110-82-7	Cyclohexane	ND		49	54.4	111	39-147
96-12-8	1,2-Dibromo-3-chloropropane	ND		49	46.9	96	35-140
124-48-1	Dibromochloromethane	ND		49	48.3	99	63-129
106-93-4	1,2-Dibromoethane	ND		49	48.4	99	45-141
95-50-1	1,2-Dichlorobenzene	ND		49	42.0	86	38-136
541-73-1	1,3-Dichlorobenzene	ND		49	40.6	83	37-135
106-46-7	1,4-Dichlorobenzene	ND		49	40.8	83	36-134
75-71-8	Dichlorodifluoromethane	ND		49	46.2	94	33-152
75-34-3	1,1-Dichloroethane	ND		49	44.7	91	68-131
107-06-2	1,2-Dichloroethane	ND		49	39.1	80	64-119
75-35-4	1,1-Dichloroethene	ND		49	42.8	87	60-133
156-59-2	cis-1,2-Dichloroethene	ND		49	46.8	96	58-133
156-60-5	trans-1,2-Dichloroethene	ND		49	41.8	85	62-130
78-87-5	1,2-Dichloropropane	ND		49	42.7	87	70-127
10061-01-5	cis-1,3-Dichloropropene	ND		49	45.8	94	64-126
10061-02-6	trans-1,3-Dichloropropene	ND		49	46.9	96	61-127
100-41-4	Ethylbenzene	ND		49	41.8	85	51-133
76-13-1	Freon 113	ND		49	46.7	95	46-138
591-78-6	2-Hexanone	ND		196	240	122	45-144
98-82-8	Isopropylbenzene	ND		49	41.1	84	44-142
79-20-9	Methyl Acetate	ND		49	51.1	104	14-192
108-87-2	Methylcyclohexane	ND		49	41.7	85	27-149
1634-04-4	Methyl Tert Butyl Ether	ND		49	43.7	89	62-125

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79243-5MS	I254320.D	1	12/21/23	JN	n/a	n/a	VI10301
JD79243-5	I254315.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	JD79243-5 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		196	206	105	50-138
75-09-2	Methylene chloride	ND		49	44.3	90	63-127
100-42-5	Styrene	ND		49	43.2	88	48-143
79-34-5	1,1,2,2-Tetrachloroethane	ND		49	48.1	98	44-135
127-18-4	Tetrachloroethene	0.63	J	49	42.2	85	38-146
108-88-3	Toluene	ND		49	41.1	84	56-135
87-61-6	1,2,3-Trichlorobenzene	ND		49	36.8	75	10-153
120-82-1	1,2,4-Trichlorobenzene	ND		49	38.3	78	10-158
71-55-6	1,1,1-Trichloroethane	ND		49	43.7	89	61-134
79-00-5	1,1,2-Trichloroethane	ND		49	47.8	98	62-133
79-01-6	Trichloroethene	ND		49	40.6	83	52-144
75-69-4	Trichlorofluoromethane	ND		49	56.6	116	50-141
75-01-4	Vinyl chloride	ND		49	46.8	96	48-151
	m,p-Xylene	ND		98	85.4	87	51-135
95-47-6	o-Xylene	ND		49	43.5	89	52-137
1330-20-7	Xylene (total)	ND		147	129	88	50-138

CAS No.	Surrogate Recoveries	MS	JD79243-5	Limits
1868-53-7	Dibromofluoromethane	108%	114%	80-124%
17060-07-0	1,2-Dichloroethane-D4	91%	96%	75-133%
2037-26-5	Toluene-D8	101%	101%	79-125%
460-00-4	4-Bromofluorobenzene	99%	93%	58-148%

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79243-7DUP	I254322.D	1	12/21/23	JN	n/a	n/a	VI10301
JD79243-7	I254316.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	JD79243-7 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
67-64-1	Acetone	19.8		9.4	J	71* [a]	50
71-43-2	Benzene	ND		ND		nc	44
74-97-5	Bromochloromethane	ND		ND		nc	30
75-27-4	Bromodichloromethane	ND		ND		nc	22
75-25-2	Bromoform	ND		ND		nc	30
74-83-9	Bromomethane	ND		ND		nc	10
78-93-3	2-Butanone (MEK)	ND		ND		nc	15
75-15-0	Carbon disulfide	ND		ND		nc	43
56-23-5	Carbon tetrachloride	ND		ND		nc	38
108-90-7	Chlorobenzene	ND		ND		nc	11
75-00-3	Chloroethane	ND		ND		nc	10
67-66-3	Chloroform	ND		ND		nc	14
74-87-3	Chloromethane	ND		ND		nc	30
110-82-7	Cyclohexane	ND		ND		nc	44
96-12-8	1,2-Dibromo-3-chloropropane	ND		ND		nc	30
124-48-1	Dibromochloromethane	ND		ND		nc	10
106-93-4	1,2-Dibromoethane	ND		ND		nc	30
95-50-1	1,2-Dichlorobenzene	ND		ND		nc	10
541-73-1	1,3-Dichlorobenzene	ND		ND		nc	30
106-46-7	1,4-Dichlorobenzene	ND		ND		nc	10
75-71-8	Dichlorodifluoromethane	ND		ND		nc	30
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	10
75-35-4	1,1-Dichloroethene	ND		ND		nc	10
156-59-2	cis-1,2-Dichloroethene	ND		ND		nc	36
156-60-5	trans-1,2-Dichloroethene	ND		ND		nc	14
78-87-5	1,2-Dichloropropane	ND		ND		nc	30
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	30
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	30
100-41-4	Ethylbenzene	ND		ND		nc	35
76-13-1	Freon 113	ND		ND		nc	10
591-78-6	2-Hexanone	ND		ND		nc	10
98-82-8	Isopropylbenzene	ND		ND		nc	28
79-20-9	Methyl Acetate	ND		ND		nc	37
108-87-2	Methylcyclohexane	ND		ND		nc	43
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	21

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD79243-7DUP	I254322.D	1	12/21/23	JN	n/a	n/a	VI10301
JD79243-7	I254316.D	1	12/21/23	JN	n/a	n/a	VI10301

The QC reported here applies to the following samples: **Method:** SW846 8260D

JD79288-1, JD79288-2

CAS No.	Compound	JD79243-7 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
108-10-1	4-Methyl-2-pentanone(MIBK)	ND		ND		nc	10
75-09-2	Methylene chloride	ND		ND		nc	10
100-42-5	Styrene	ND		ND		nc	10
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	10
127-18-4	Tetrachloroethene	0.97	J	0.93	J	4	43
108-88-3	Toluene	ND		ND		nc	37
87-61-6	1,2,3-Trichlorobenzene	ND		ND		nc	30
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	10
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	21
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	10
79-01-6	Trichloroethene	ND		ND		nc	44
75-69-4	Trichlorofluoromethane	ND		ND		nc	30
75-01-4	Vinyl chloride	ND		ND		nc	22
	m,p-Xylene	ND		ND		nc	44
95-47-6	o-Xylene	ND		ND		nc	45
1330-20-7	Xylene (total)	ND		ND		nc	60

CAS No.	Surrogate Recoveries	DUP	JD79243-7	Limits
1868-53-7	Dibromofluoromethane	112%	115%	80-124%
17060-07-0	1,2-Dichloroethane-D4	95%	97%	75-133%
2037-26-5	Toluene-D8	101%	102%	79-125%
460-00-4	4-Bromofluorobenzene	95%	94%	58-148%

(a) High RPD due to low concentration of hit.

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-BFB
Lab File ID: I252194.D
Instrument ID: GCMSI
Injection Date: 09/19/23
Injection Time: 22:18

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	41147	20.5		Pass
75	30.0 - 60.0% of mass 95	97995	48.7		Pass
95	Base peak, 100% relative abundance	201131	100.0		Pass
96	5.0 - 9.0% of mass 95	13587	6.76		Pass
173	Less than 2.0% of mass 174	704	0.35	(0.35) [a]	Pass
174	50.0 - 120.0% of mass 95	199509	99.2		Pass
175	5.0 - 9.0% of mass 174	15601	7.76	(7.82) [a]	Pass
176	95.0 - 101.0% of mass 174	200704	99.8	(100.6) [a]	Pass
177	5.0 - 9.0% of mass 176	12997	6.46	(6.48) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI10232-IC10232	I252195.D	09/19/23	22:51	00:33	Initial cal 0.2
VI10232-IC10232	I252196.D	09/19/23	23:13	00:55	Initial cal 0.5
VI10232-IC10232	I252197.D	09/19/23	23:35	01:17	Initial cal 1
VI10232-IC10232	I252198.D	09/19/23	23:57	01:39	Initial cal 2
VI10232-IC10232	I252199.D	09/20/23	00:19	02:01	Initial cal 4
VI10232-IC10232	I252200.D	09/20/23	00:41	02:23	Initial cal 8
VI10232-IC10232	I252201.D	09/20/23	01:02	02:44	Initial cal 20
VI10232-ICC10232	I252202.D	09/20/23	01:24	03:06	Initial cal 50
VI10232-IC10232	I252203.D	09/20/23	01:46	03:28	Initial cal 100
VI10232-IC10232	I252204.D	09/20/23	02:08	03:50	Initial cal 200
VI10232-ICV10232	I252207.D	09/20/23	03:13	04:55	Initial cal verification 50
VI10232-ICV10232	I252208.D	09/20/23	03:35	05:17	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-BFB2
Lab File ID: I252211.D
Instrument ID: GCMSI
Injection Date: 09/22/23
Injection Time: 12:20

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	33869	20.8		Pass
75	30.0 - 60.0% of mass 95	79003	48.5		Pass
95	Base peak, 100% relative abundance	163043	100.0		Pass
96	5.0 - 9.0% of mass 95	10979	6.73		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	159914	98.1		Pass
175	5.0 - 9.0% of mass 174	12310	7.55	(7.70) [a]	Pass
176	95.0 - 101.0% of mass 174	161464	99.0	(101.0) [a]	Pass
177	5.0 - 9.0% of mass 176	10672	6.55	(6.61) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI10232-ICV10232	I252212.D	09/22/23	12:42	00:22	Initial cal verification 50
VI10233-CC10232	I252214.D	09/22/23	15:03	02:43	Continuing cal 50
VI10233-BS	I252215.D	09/22/23	15:33	03:13	Blank Spike
VI10233-MB	I252217.D	09/22/23	16:38	04:18	Method Blank
JD73255-2	I252218.D	09/22/23	17:00	04:40	(used for QC only; not part of job JD79288)
JD73255-4	I252219.D	09/22/23	17:22	05:02	(used for QC only; not part of job JD79288)
ZZZZZZ	I252221.D	09/22/23	18:06	05:46	(unrelated sample)
JD73255-2MS	I252225.D	09/22/23	19:34	07:14	Matrix Spike
JD73251-1	I252236.D	09/22/23	23:35	11:15	(used for QC only; not part of job JD79288)
ZZZZZZ	I252237.D	09/22/23	23:57	11:37	(unrelated sample)
ZZZZZZ	I252238.D	09/23/23	00:19	11:59	(unrelated sample)
ZZZZZZ	I252239.D	09/23/23	00:41	12:21	(unrelated sample)
ZZZZZZ	I252240.D	09/23/23	01:03	12:43	(unrelated sample)
ZZZZZZ	I252241.D	09/23/23	01:24	13:04	(unrelated sample)
VI10234-CC10232	I252246.D	09/23/23	11:26	23:06	Continuing cal 50
VI10234-BS	I252247.D	09/23/23	12:10	23:50	Blank Spike
VI10233-BS2	I252247.D	09/23/23	12:10	23:50	Blank Spike
VI10233-MB2	I252249.D	09/23/23	13:08	24:48	Method Blank
VI10234-MB	I252249.D	09/23/23	13:08	24:48	Method Blank

Internal Standard Area Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: VI10301-CC10232 **Injection Date:** 12/21/23
Lab File ID: I254311.D **Injection Time:** 11:12
Instrument ID: GCMSI **Method:** SW846 8260D

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	180333	4.44	689923	5.54	1081914	6.07	801397	7.99	389538	9.52
Upper Limit [a]	360666	4.94	1379846	6.04	2163828	6.57	1602794	8.49	779076	10.02
Lower Limit [b]	90167	3.94	344962	5.04	540957	5.57	400699	7.49	194769	9.02

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
VI10301-BS	170088	4.44	673064	5.54	1036071	6.07	790211	7.99	395239	9.52
VI10301-MB	142924	4.44	660807	5.54	1054964	6.07	771153	7.99	339929	9.52
JD79243-5	171916	4.44	665507	5.54	1074763	6.07	799420	7.99	352885	9.52
JD79243-7	170449	4.44	656171	5.54	1067769	6.07	792528	7.99	346180	9.52
JD79288-1	155676	4.44	642263	5.54	1043736	6.07	779553	7.99	347722	9.52
JD79288-2	161845	4.44	613972	5.54	1014401	6.07	730394	7.99	301258	9.52
ZZZZZZ	118200	4.44	588570	5.54	976317	6.07	707683	7.99	322501	9.52
JD79243-5MS	197288	4.44	755561	5.54	1195890	6.07	893683	7.99	416928	9.52
JD79243-7DUP	174432	4.44	708865	5.54	1144529	6.07	849391	7.99	373731	9.52
ZZZZZZ	166308	4.44	692680	5.54	1102117	6.07	811650	7.99	362593	9.52
ZZZZZZ	173489	4.44	697405	5.54	1136232	6.07	840344	7.99	374995	9.51
ZZZZZZ	163573	4.43	671996	5.54	1089052	6.07	790045	7.99	345538	9.52
ZZZZZZ	162695	4.44	666630	5.54	1082807	6.07	793649	7.99	346177	9.51
ZZZZZZ	161633	4.44	658910	5.54	1083534	6.07	792535	7.99	346496	9.52
ZZZZZZ	168755	4.44	658625	5.54	1077127	6.07	805796	7.99	358812	9.52
ZZZZZZ	163537	4.44	634146	5.54	1046631	6.07	777301	7.99	345549	9.51
ZZZZZZ	166947	4.44	639689	5.54	1061261	6.07	785619	7.99	348887	9.52
ZZZZZZ	124667	4.44	646165	5.54	1052668	6.07	759533	7.99	319364	9.51
ZZZZZZ	164607	4.44	612517	5.54	1021317	6.07	752799	7.99	325016	9.51
ZZZZZZ	143383	4.44	622306	5.54	1032277	6.07	757561	7.99	329235	9.51
ZZZZZZ	160494	4.44	637030	5.54	1054371	6.07	767897	7.99	331724	9.51
ZZZZZZ	154264	4.44	628530	5.54	1035739	6.07	764240	7.99	330343	9.52
ZZZZZZ	149882	4.44	604638	5.54	999099	6.07	724850	7.99	295188	9.51
ZZZZZZ	141864	4.44	607421	5.54	1003770	6.07	709952	7.99	271950	9.51

IS 1 = Tert Butyl Alcohol-D9
IS 2 = Pentafluorobenzene
IS 3 = 1,4-Difluorobenzene
IS 4 = Chlorobenzene-D5
IS 5 = 1,4-Dichlorobenzene-d4

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Surrogate Recovery Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8260D **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
JD79288-1	I254317.D	115	96	102	93
JD79288-2	I254318.D	117	98	104	97
JD79243-5MS	I254320.D	108	91	101	99
JD79243-7DUP	I254322.D	112	95	101	95
VI10301-BS	I254312.D	113	96	101	95
VI10301-MB	I254314.D	110	91	103	93

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	80-124%
S2 = 1,2-Dichloroethane-D4	75-133%
S3 = Toluene-D8	79-125%
S4 = 4-Bromofluorobenzene	58-148%

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICC10232
Lab FileID: I252202.D

Response Factor Report GCMSI

Method : C:\MSDCHEM\1\METHODS\MI10232.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi-624 60m x 0.25mm x 1.4umWed Feb 03 18:57:01 2021
Last Update : Thu Sep 21 15:06:58 2023
Response via : Initial Calibration

Calibration Files
0.2 =I252195.D 0.5 =I252196.D 1 =I252197.D 2 =I252198.D
8 =I252200.D 4 =I252199.D 20 =I252201.D 50 =I252202.D
100 =I252203.D 200 =I252204.D = =

Compound	0.2	0.5	1	2	8	4	20	50	100	200	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) ethanol	0.100	0.092	0.086	0.089	0.092	0.084	0.086	0.084	0.083		0.088	6.13
3) tertiary butyl alcohol	1.078	0.931	0.985	1.012	0.975	0.976	1.033	0.998	0.963		0.995	4.28
4) 1,4-dioxane			0.075	0.076	0.075	0.076	0.081	0.078	0.078		0.077	2.68
5) I pentafluorobenzene ----------ISTD----------												
6) dichlorodifluoromethane	0.351	0.357	0.357	0.336	0.336	0.354	0.364	0.343	0.327		0.347	3.57
7) chlorodifluoromethane	0.338	0.311	0.333	0.305	0.310	0.306	0.324	0.305	0.293		0.314	4.66
8) chloromethane	0.391	0.329	0.333	0.302	0.313	0.308	0.311	0.298	0.297		0.320	9.18
9) vinyl chloride	0.341	0.335	0.367	0.321	0.346	0.333	0.345	0.322	0.306		0.335	5.24
10) 1,3-butadiene	0.341	0.298	0.294	0.289	0.280	0.284	0.292	0.267	0.246		0.288	8.88
11) bromomethane	0.225	0.159	0.188	0.155	0.146	0.152	0.164	0.158	0.157		0.167	14.81
12) chloroethane	0.172	0.157	0.166	0.153	0.157	0.153	0.161	0.152	0.141		0.157	5.62
13) trichlorofluoromethane	0.467	0.455	0.488	0.466	0.474	0.482	0.495	0.469	0.436		0.470	3.75
14) ethyl ether	0.119	0.125	0.146	0.132	0.137	0.138	0.142	0.137	0.129		0.134	6.37
15) acrolein			0.037	0.029	0.031	0.032	0.034	0.033	0.031		0.032	7.51
16) freon 113	0.239	0.223	0.261	0.240	0.235	0.243	0.254	0.245	0.235		0.242	4.63
17) 1,1-dichloroethene	0.400	0.363	0.414	0.392	0.407	0.400	0.418	0.396	0.380		0.397	4.31
18) acetone			0.025	0.029	0.027	0.025	0.025	0.026	0.026		0.026	6.43
19) iodomethane			0.291	0.297	0.282	0.324	0.372	0.352	0.331		0.321	10.40
20) carbon disulfide			0.837	0.850	0.735	0.761	0.728	0.755	0.714		0.702	0.760	7.26
21) acetonitrile			0.029	0.027	0.026	0.024	0.024	0.026	0.024		0.022	0.025	7.78
22) methyl acetate			0.039	0.035	0.034	0.033	0.037	0.036	0.033		0.035	6.42
23) methylene chloride												

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICC10232
Lab FileID: I252202.D

```
                              0.249 0.301 0.229 0.237 0.227 0.220  0.244   12.19
24)  acrylonitrile
                    0.045 0.053 0.051 0.054 0.053 0.058 0.056 0.051  0.052    7.35
25)  methyl tert butyl ether
      0.822 0.716 0.689 0.745 0.721 0.718 0.713 0.753 0.731 0.686  0.729    5.33
26)  trans-1,2-dichloroethene
      0.535 0.440 0.401 0.460 0.416 0.416 0.424 0.443 0.414 0.395  0.434    9.29
27)  hexane
             0.676 0.536 0.546 0.481 0.506 0.479 0.509 0.473 0.461  0.519   12.64
28)  1,1-dichloroethane
      0.520 0.521 0.460 0.525 0.489 0.496 0.492 0.504 0.480 0.453  0.494    5.00
29)  vinyl acetate
                         0.031 0.032 0.032 0.035 0.032 0.029 0.028  0.031    7.23
30)  di-isopropyl ether
      1.296 1.046 1.050 1.141 1.109 1.104 1.084 1.135 1.089 1.034  1.109    6.76
31)  chloroprene
      0.586 0.530 0.464 0.518 0.503 0.504 0.492 0.506 0.473 0.460  0.504    7.34
32)  ethyl tert-butyl ether
      0.968 0.822 0.815 0.958 0.918 0.912 0.914 0.964 0.921 0.875  0.907    5.98
33)  2-butanone
                    0.023 0.024 0.026 0.024 0.025 0.026 0.025 0.023  0.024    5.09
34)  2,2-dichloropropane
             0.451 0.453 0.461 0.412 0.421 0.422 0.438 0.416 0.394  0.430    5.16
35)  ethyl acetate
                    0.035 0.041 0.040 0.044 0.041 0.039 0.039 0.035  0.039    7.73
36)  cis-1,2-dichloroethene
             0.309 0.274 0.316 0.289 0.303 0.297 0.312 0.298 0.280  0.297    4.79
37)  propionitrile
                    0.027 0.029 0.027 0.028 0.029 0.031 0.029 0.026  0.028    5.21
38)  methyl acrylate
                    0.228 0.296 0.233 0.245 0.221 0.240 0.220 0.243  0.241    9.98
39)  methacrylonitrile
                         0.085 0.087 0.087 0.090 0.095 0.094 0.084  0.089    5.00
40)  bromochloromethane
             0.123 0.126 0.142 0.134 0.137 0.136 0.140 0.132 0.125  0.133    5.29
41)  tetrahydrofuran
                         0.091 0.087 0.093 0.079 0.082 0.077 0.070  0.083    9.89
42)  chloroform
                    0.637 0.624 0.533 0.546 0.518 0.533 0.504 0.472  0.546   10.42
43)  carbon tetrachloride
      0.516 0.421 0.423 0.471 0.426 0.436 0.432 0.447 0.424 0.402  0.440    7.37
44)  1,1-dichloropropene
             0.429 0.402 0.437 0.404 0.417 0.405 0.405 0.376 0.362  0.404    5.82
45)  isobutyl alcohol
                         0.003 0.003 0.003 0.003 0.003 0.003 0.003  0.003#   5.30
46)  dibromofluoromethane (s)
      0.471 0.467 0.465 0.472 0.467 0.468 0.464 0.458 0.449 0.431  0.461    2.70
47)  1,1,1-trichloroethane
      0.486 0.465 0.456 0.489 0.464 0.462 0.462 0.483 0.457 0.436  0.466    3.45
48)  cyclohexane
             0.473 0.415 0.479 0.396 0.404 0.412 0.413 0.394 0.378  0.418    8.28
49)  tert-amyl alcohol
             0.055 0.053 0.052 0.051 0.052 0.049 0.050 0.047 0.044  0.050    7.03

50) I   1,4-difluorobenzene   ----------------ISTD---------------------
51)  1,2-dichloroethane-d4 (s)
      0.318 0.317 0.318 0.322 0.320 0.321 0.317 0.302 0.301 0.288  0.312    3.64
52)  isopropyl acetate
                    0.026 0.028 0.031 0.030 0.032 0.033 0.033 0.032  0.031    8.10
53)  1,2-dichloroethane
```

```
            0.305 0.285 0.294 0.260 0.283 0.260 0.273 0.265 0.249  0.275    6.63
54)  benzene
      0.809 0.788 0.722 0.754 0.708 0.722 0.713 0.744 0.718 0.705  0.738    4.81
55)  2,2,4-trimethylpentane
      0.937 0.799 0.718 0.779 0.725 0.744 0.725 0.777 0.762 0.743  0.771    8.34
56)  tert-amyl methyl ether
      0.119 0.110 0.107 0.115 0.113 0.114 0.117 0.123 0.123 0.118  0.116    4.51
57)  heptane
            0.186 0.163 0.172 0.153 0.153 0.160 0.165 0.163 0.161  0.164    6.11
58)  n-butyl alcohol
                              0.002 0.002 0.002 0.003 0.003 0.003  0.003#   9.70
59)  trichloroethene
      0.249 0.208 0.203 0.226 0.202 0.206 0.208 0.213 0.203 0.197  0.212    7.26
60)  ethyl acrylate
                    0.191 0.203 0.192 0.197 0.189 0.205 0.206 0.196  0.197    3.36
61)  methylcyclohexane
      0.374 0.336 0.282 0.321 0.300 0.309 0.303 0.319 0.310 0.301  0.315    8.01
62)  1,2-dichloropropane
      0.216 0.214 0.193 0.199 0.198 0.192 0.188 0.195 0.188 0.179  0.196    5.92
63)  methyl methacrylate
                         0.032 0.034 0.029 0.035 0.039 0.039 0.037  0.035   10.77
64)  dibromomethane
            0.105 0.100 0.111 0.100 0.107 0.104 0.108 0.104 0.099  0.104    3.96
65)  bromodichloromethane
            0.243 0.226 0.243 0.243 0.239 0.248 0.259 0.251 0.239  0.244    3.73
66)  2-nitropropane
                              0.034 0.044 0.036 0.038 0.043 0.040  0.039   10.43
67)  2-chloroethyl vinyl ether *This compound fails initial calibration criteria.*
      0.070 0.069 0.065 0.074 0.073 0.074 0.074 0.079 0.077 0.072  0.072    5.44
68)  epichlorohydrin
                         0.014 0.013 0.014 0.014 0.014 0.013 0.012  0.013    3.92
69)  cis-1,3-dichloropropene
      0.306 0.284 0.268 0.290 0.284 0.281 0.292 0.308 0.299 0.284  0.289    4.22
70)  4-methyl-2-pentanone
      0.048 0.051 0.049 0.054 0.053 0.051 0.053 0.057 0.056 0.051  0.052    5.73
71)  3-methyl-1-butanol  *This compound fails initial calibration criteria.*
                         0.002 0.002 0.002 0.002 0.003 0.003 0.003  0.002#  12.79

72) I   chlorobenzene-d5      ----------------ISTD--------------------
73)  toluene-d8 (s)
      1.374 1.344 1.341 1.343 1.347 1.336 1.356 1.361 1.382 1.410  1.359    1.70
74)  toluene
      0.745 0.567 0.546 0.585 0.534 0.549 0.556 0.599 0.584 0.591  0.586   10.28
75)  trans-1,3-dichloropropene
      0.334 0.308 0.282 0.341 0.321 0.305 0.334 0.353 0.348 0.337  0.326    6.77
76)  ethyl methacrylate
            0.197 0.191 0.232 0.214 0.211 0.222 0.242 0.241 0.236  0.221    8.54
77)  1,1,2-trichloroethane
            0.148 0.140 0.157 0.153 0.154 0.156 0.163 0.159 0.152  0.154    4.30
78)  1,3-dichloropropane
      0.257 0.303 0.275 0.316 0.300 0.290 0.301 0.309 0.296 0.282  0.293    5.99
79)  tetrachloroethene
      0.302 0.325 0.279 0.302 0.275 0.291 0.284 0.303 0.293 0.293  0.295    4.93
80)  2-hexanone
      0.068 0.057 0.056 0.071 0.071 0.066 0.069 0.074 0.073 0.069  0.067    9.17
81)  butyl acetate
            0.131 0.124 0.133 0.120 0.119 0.118 0.124 0.120 0.113  0.122    5.29
82)  n-butyl ether
      0.949 0.876 0.826 0.862 0.818 0.828 0.862 0.920 0.886 0.882  0.871    4.78
83)  dibromochloromethane
```

```
            0.258 0.227 0.225 0.233 0.224 0.238 0.258 0.253 0.246  0.240    5.76
 84)  1,2-dibromoethane
      0.155 0.191 0.170 0.200 0.184 0.181 0.187 0.200 0.195 0.188  0.185    7.45
 85)  chlorobenzene
      0.717 0.576 0.520 0.611 0.584 0.560 0.580 0.616 0.599 0.594  0.596    8.54
 86)  1,1,1,2-tetrachloroethane
      0.224 0.205 0.215 0.240 0.229 0.224 0.232 0.245 0.240 0.235  0.229    5.41
 87)  ethylbenzene
      1.184 1.052 0.916 1.024 0.952 0.957 0.987 1.048 0.994 0.996  1.011    7.34
 88)  m,p-xylene
      0.436 0.380 0.347 0.382 0.366 0.361 0.375 0.403 0.389 0.395  0.383    6.42
 89)  o-xylene
      0.415 0.373 0.327 0.373 0.342 0.355 0.370 0.385 0.379 0.384  0.370    6.63
 90)  styrene
      0.606 0.619 0.510 0.601 0.571 0.581 0.599 0.638 0.632 0.641  0.600    6.51
 91)  butyl acrylate
            0.342 0.298 0.336 0.334 0.319 0.337 0.358 0.366 0.364  0.339    6.44
 92)  cis-1,4-dichloro-2-butene
                        0.069 0.071 0.066 0.075 0.087 0.087 0.086  0.077   11.71
 93)  bromoform
      0.167 0.134 0.130 0.144 0.134 0.127 0.137 0.153 0.155 0.157  0.144    9.36
 94)  isopropylbenzene
      1.108 0.878 0.814 0.896 0.846 0.846 0.867 0.930 0.894 0.910  0.899    9.03

 95) I   1,4-dichlorobenzene-d ----------------ISTD---------------------
 96)  4-bromofluorobenzene (s)
      0.928 0.919 0.910 0.926 0.924 0.923 0.937 0.958 0.983 1.038  0.945    4.14
 97)  1,1,2,2-tetrachloroethane
            0.493 0.420 0.461 0.416 0.407 0.397 0.415 0.385 0.353  0.416    9.79
 98)  trans-1,4-dichloro-2-butene
                  0.131 0.139 0.123 0.129 0.132 0.140 0.134 0.122  0.131    5.13
 99)  1,2,3-trichloropropane
            0.088 0.121 0.123 0.109 0.116 0.113 0.117 0.108 0.098  0.110   10.24
100)  bromobenzene
      0.567 0.527 0.554 0.570 0.543 0.546 0.561 0.588 0.546 0.517  0.552    3.80
101)  n-propylbenzene
            2.427 2.152 2.426 2.251 2.302 2.269 2.404 2.184 2.064  2.275    5.65
102)  2-chlorotoluene
      0.495 0.551 0.428 0.505 0.472 0.474 0.473 0.505 0.465 0.450  0.482    7.09
103)  4-chlorotoluene
            1.465 1.319 1.461 1.354 1.385 1.348 1.451 1.338 1.294  1.380    4.69
104)  1,3,5-trimethylbenzene
            1.591 1.475 1.632 1.554 1.568 1.606 1.689 1.591 1.523  1.581    3.91
105)  tert-butylbenzene
            1.532 1.436 1.503 1.374 1.379 1.434 1.512 1.414 1.354  1.438    4.51
106)  1,2,4-trimethylbenzene
            1.645 1.549 1.717 1.584 1.661 1.633 1.734 1.651 1.610  1.643    3.58
107)  sec-butylbenzene
            2.178 1.938 2.128 2.006 2.081 2.063 2.189 2.044 1.992  2.069    4.10
108)  p-isopropyltoluene
            1.961 1.617 1.809 1.699 1.704 1.753 1.884 1.793 1.776  1.777    5.77
109)  benzyl chloride
            0.659 0.574 0.689 0.634 0.634 0.682 0.783 0.788 0.781  0.691   11.13
110)  1,3-dichlorobenzene
      1.201 1.086 0.927 0.954 0.948 0.972 0.957 1.011 0.985 0.980  1.002    8.22
111)  1,4-dichlorobenzene
            1.145 0.955 1.070 0.960 0.972 0.948 1.034 0.999 0.990  1.008    6.43
112)  1,2-dichlorobenzene
      0.889 0.928 0.846 0.953 0.863 0.901 0.894 0.957 0.938 0.938  0.911    4.19
113)  1,2,3-trimethylbenzene
```

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICC10232
Lab FileID: I252202.D

```
            1.632 1.499 1.682 1.562 1.586 1.611 1.703 1.663 1.629  1.619    3.90
114)  n-butylbenzene
            0.954 0.766 0.846 0.826 0.838 0.849 0.924 0.896 0.899  0.866    6.61
115)  hexachloroethane
            0.305 0.255 0.309 0.292 0.299 0.313 0.345 0.340 0.343  0.311    9.32
116)  1,2-dibromo-3-chloropropane
            0.107 0.073 0.089 0.088 0.092 0.094 0.106 0.107 0.105  0.096   12.25
117)  1,3,5-trichlorobenzene
            1.005 0.796 0.877 0.806 0.816 0.831 0.908 0.897 0.884  0.869    7.57
118)  1,2,4-trichlorobenzene
            0.929 0.712 0.770 0.741 0.774 0.747 0.827 0.815 0.781  0.788    8.09
119)  hexachlorobutadiene
            0.518 0.412 0.458 0.426 0.427 0.440 0.474 0.460 0.445  0.451    7.01
120)  naphthalene
       1.733 1.568 1.423 1.503 1.455 1.450 1.504 1.630 1.620 1.486  1.537    6.39
121)  1,2,3-trichlorobenzene
       0.788 0.838 0.658 0.724 0.712 0.722 0.709 0.779 0.746 0.695  0.737    7.07
122)  2-methylnaphthalene
            1.016 0.835 0.842 0.804 0.798 0.823 0.897 0.877 0.782  0.853    8.37
 ----------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           MI10232.M         Fri Sep 22 13:20:05 2023
```

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252207.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\VI10232\I252207.D Vial: 14
Acq On : 20 Sep 2023 3:13 am Operator: PrashanS
Sample : ICV10232-50 Inst : GCMSI
Misc : MS73061,VI10232,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MI10232.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi-624 60m x 0.25mm x 1.4umWed Feb 03 18:57:01 2021
Last Update : Thu Sep 21 15:06:58 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	103	0.00	4.45
2	ethanol		----------NA----------				
3	tertiary butyl alcohol		----------NA----------				
4	1,4-dioxane		----------NA----------				
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	5.55
6	dichlorodifluoromethane	0.347	0.382	-10.1	109	0.00	3.02
7	chlorodifluoromethane		----------NA----------				
8	chloromethane	0.320	0.340	-6.3	114	0.00	3.21
9	vinyl chloride	0.335	0.378	-12.8	114	0.00	3.32
10	1,3-butadiene		----------NA----------				
11	bromomethane	0.167	0.170	-1.8	108	0.00	3.61
12	chloroethane	0.157	0.180	-14.6	117	0.00	3.69
13	trichlorofluoromethane	0.470	0.564	-20.0	119	0.00	3.89
14	ethyl ether		----------NA----------				
15	acrolein	0.032	0.041	-28.1	129	0.00	4.13
16	freon 113		----------NA----------				
17	1,1-dichloroethene		----------NA----------				
18	acetone		----------NA----------				
19	iodomethane		----------NA----------				
20	carbon disulfide		----------NA----------				
21	acetonitrile		----------NA----------				
22	methyl acetate		----------NA----------				
23	methylene chloride		----------NA----------				
24	acrylonitrile		----------NA----------				
25	methyl tert butyl ether		----------NA----------				
26	trans-1,2-dichloroethene		----------NA----------				
27	hexane	0.519	0.610	-17.5	125	0.00	4.89
28	1,1-dichloroethane		----------NA----------				
29	vinyl acetate		----------NA----------				
30	di-isopropyl ether		----------NA----------				
31	chloroprene		----------NA----------				
32	ethyl tert-butyl ether		----------NA----------				
33	2-butanone		----------NA----------				
34	2,2-dichloropropane		----------NA----------				
35	ethyl acetate		----------NA----------				
36	cis-1,2-dichloroethene		----------NA----------				
37	propionitrile		----------NA----------				
38	methyl acrylate		----------NA----------				
39	methacrylonitrile		----------NA----------				
40	bromochloromethane		----------NA----------				
41	tetrahydrofuran		----------NA----------				

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252207.D

42		chloroform		----------NA----------					
43		carbon tetrachloride		----------NA----------					
44		1,1-dichloropropene		----------NA----------					
45		isobutyl alcohol		----------NA----------					
46	S	dibromofluoromethane (s)	0.461	0.461	0.0	105	0.00	5.60	
47		1,1,1-trichloroethane		----------NA----------					
48		cyclohexane	0.418	0.470	-12.4	119	0.00	5.76	
49		tert-amyl alcohol	0.050	0.054	-8.0	114	0.00	5.76	
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	6.08	
51	S	1,2-dichloroethane-d4 (s)	0.312	0.310	0.6	106	0.00	5.83	
52		isopropyl acetate		----------NA----------					
53		1,2-dichloroethane		----------NA----------					
54		benzene		----------NA----------					
55		2,2,4-trimethylpentane		----------NA----------					
56		tert-amyl methyl ether		----------NA----------					
57		heptane		----------NA----------					
58		n-butyl alcohol		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		methylcyclohexane		----------NA----------					
62		1,2-dichloropropane		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		dibromomethane		----------NA----------					
65		bromodichloromethane		----------NA----------					
66		2-nitropropane		----------NA----------					
67		2-chloroethyl vinyl ether		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	8.00	
73	S	toluene-d8 (s)	1.359	1.380	-1.5	103	0.00	7.05	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		1,3-dichloropropane		----------NA----------					
79		tetrachloroethene		----------NA----------					
80		2-hexanone		----------NA----------					
81		butyl acetate		----------NA----------					
82		n-butyl ether		----------NA----------					
83		dibromochloromethane		----------NA----------					
84		1,2-dibromoethane		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		butyl acrylate		----------NA----------					
92		cis-1,4-dichloro-2-butene		----------NA----------					
93		bromoform		----------NA----------					
94		isopropylbenzene		----------NA----------					
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	0.00	9.53	
96	S	4-bromofluorobenzene (s)	0.945	0.962	-1.8	104	0.00	8.74	
97		1,1,2,2-tetrachloroethane		----------NA----------					
98		trans-1,4-dichloro-2-bute		----------NA----------					

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252207.D

99	1,2,3-trichloropropane	----------NA----------	
100	bromobenzene	----------NA----------	
101	n-propylbenzene	----------NA----------	
102	2-chlorotoluene	----------NA----------	
103	4-chlorotoluene	----------NA----------	
104	1,3,5-trimethylbenzene	----------NA----------	
105	tert-butylbenzene	----------NA----------	
106	1,2,4-trimethylbenzene	----------NA----------	
107	sec-butylbenzene	----------NA----------	
108	p-isopropyltoluene	----------NA----------	
109	benzyl chloride	----------NA----------	
110	1,3-dichlorobenzene	----------NA----------	
111	1,4-dichlorobenzene	----------NA----------	
112	1,2-dichlorobenzene	----------NA----------	
113	1,2,3-trimethylbenzene	----------NA----------	
114	n-butylbenzene	----------NA----------	
115	hexachloroethane	----------NA----------	
116	1,2-dibromo-3-chloropropa	----------NA----------	
117	1,3,5-trichlorobenzene	----------NA----------	
118	1,2,4-trichlorobenzene	----------NA----------	
119	hexachlorobutadiene	----------NA----------	
120	naphthalene	----------NA----------	
121	1,2,3-trichlorobenzene	----------NA----------	
122	2-methylnaphthalene	----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I252202.D MI10232.M Fri Sep 22 13:30:24 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252208.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\VI10232\I252208.D Vial: 15
Acq On : 20 Sep 2023 3:35 am Operator: PrashanS
Sample : ICV10232-50 Inst : GCMSI
Misc : MS73061,VI10232,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MI10232.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi-624 60m x 0.25mm x 1.4umWed Feb 03 18:57:01 2021
Last Update : Thu Sep 21 15:06:58 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	93	0.00	4.45
2		ethanol		----------NA----------				
3		tertiary butyl alcohol		----------NA----------				
4		1,4-dioxane		----------NA----------				
5	I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	5.55
6		dichlorodifluoromethane		----------NA----------				
7		chlorodifluoromethane	0.314	0.347	-10.5	112	0.00	3.02
8		chloromethane		----------NA----------				
9		vinyl chloride		----------NA----------				
10		1,3-butadiene		----------NA----------				
11		bromomethane		----------NA----------				
12		chloroethane		----------NA----------				
13		trichlorofluoromethane		----------NA----------				
14		ethyl ether		----------NA----------				
15		acrolein		----------NA----------				
16		freon 113		----------NA----------				
17		1,1-dichloroethene		----------NA----------				
18		acetone		----------NA----------				
19		iodomethane		----------NA----------				
20		carbon disulfide		----------NA----------				
21		acetonitrile	0.025	0.025	0.0	100	0.00	4.37
22		methyl acetate		----------NA----------				
23		methylene chloride		----------NA----------				
24		acrylonitrile	0.052	0.057	-9.6	102	0.00	4.63
25		methyl tert butyl ether		----------NA----------				
26		trans-1,2-dichloroethene		----------NA----------				
27		hexane		----------NA----------				
28		1,1-dichloroethane		----------NA----------				
29		vinyl acetate		----------NA----------				
30		di-isopropyl ether		----------NA----------				
31		chloroprene		----------NA----------				
32		ethyl tert-butyl ether		----------NA----------				
33		2-butanone		----------NA----------				
34		2,2-dichloropropane		----------NA----------				
35		ethyl acetate		----------NA----------				
36		cis-1,2-dichloroethene		----------NA----------				
37		propionitrile		----------NA----------				
38		methyl acrylate		----------NA----------				
39		methacrylonitrile		----------NA----------				
40		bromochloromethane		----------NA----------				
41		tetrahydrofuran		----------NA----------				

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252208.D

42		chloroform		----------NA----------					
43		carbon tetrachloride		----------NA----------					
44		1,1-dichloropropene		----------NA----------					
45		isobutyl alcohol		----------NA----------					
46	S	dibromofluoromethane (s)	0.461	0.464	-0.7	106	0.00	5.60	
47		1,1,1-trichloroethane		----------NA----------					
48		cyclohexane		----------NA----------					
49		tert-amyl alcohol		----------NA----------					
50	I	1,4-difluorobenzene	1.000	1.000	0.0	103	0.00	6.08	
51	S	1,2-dichloroethane-d4 (s)	0.312	0.313	-0.3	107	0.00	5.83	
52		isopropyl acetate		----------NA----------					
53		1,2-dichloroethane		----------NA----------					
54		benzene		----------NA----------					
55		2,2,4-trimethylpentane		----------NA----------					
56		tert-amyl methyl ether		----------NA----------					
57		heptane		----------NA----------					
58		n-butyl alcohol		----------NA----------					
59		trichloroethene		----------NA----------					
60		ethyl acrylate		----------NA----------					
61		methylcyclohexane		----------NA----------					
62		1,2-dichloropropane		----------NA----------					
63		methyl methacrylate		----------NA----------					
64		dibromomethane		----------NA----------					
65		bromodichloromethane		----------NA----------					
66		2-nitropropane		----------NA----------					
67		2-chloroethyl vinyl ether		----------NA----------					
68		epichlorohydrin		----------NA----------					
69		cis-1,3-dichloropropene		----------NA----------					
70		4-methyl-2-pentanone		----------NA----------					
71		3-methyl-1-butanol		----------NA----------					
72	I	chlorobenzene-d5	1.000	1.000	0.0	104	0.00	8.00	
73	S	toluene-d8 (s)	1.359	1.341	1.3	103	0.00	7.05	
74		toluene		----------NA----------					
75		trans-1,3-dichloropropene		----------NA----------					
76		ethyl methacrylate		----------NA----------					
77		1,1,2-trichloroethane		----------NA----------					
78		1,3-dichloropropane		----------NA----------					
79		tetrachloroethene	0.295	0.301	-2.0	103	0.00	7.45	
80		2-hexanone		----------NA----------					
81		butyl acetate		----------NA----------					
82		n-butyl ether		----------NA----------					
83		dibromochloromethane		----------NA----------					
84		1,2-dibromoethane		----------NA----------					
85		chlorobenzene		----------NA----------					
86		1,1,1,2-tetrachloroethane		----------NA----------					
87		ethylbenzene		----------NA----------					
88		m,p-xylene		----------NA----------					
89		o-xylene		----------NA----------					
90		styrene		----------NA----------					
91		butyl acrylate		----------NA----------					
92		cis-1,4-dichloro-2-butene		----------NA----------					
93		bromoform		----------NA----------					
94		isopropylbenzene		----------NA----------					
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	102	0.00	9.53	
96	S	4-bromofluorobenzene (s)	0.945	0.899	4.9	95	0.00	8.74	
97		1,1,2,2-tetrachloroethane		----------NA----------					
98		trans-1,4-dichloro-2-bute		----------NA----------					

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252208.D

99	1,2,3-trichloropropane		----------NA----------				
100	bromobenzene		----------NA----------				
101	n-propylbenzene		----------NA----------				
102	2-chlorotoluene		----------NA----------				
103	4-chlorotoluene		----------NA----------				
104	1,3,5-trimethylbenzene		----------NA----------				
105	tert-butylbenzene		----------NA----------				
106	1,2,4-trimethylbenzene		----------NA----------				
107	sec-butylbenzene		----------NA----------				
108	p-isopropyltoluene		----------NA----------				
109	benzyl chloride		----------NA----------				
110	1,3-dichlorobenzene		----------NA----------				
111	1,4-dichlorobenzene		----------NA----------				
112	1,2-dichlorobenzene		----------NA----------				
113	1,2,3-trimethylbenzene	1.619	1.774	-9.6	106	0.00	9.54
114	n-butylbenzene		----------NA----------				
115	hexachloroethane		----------NA----------				
116	1,2-dibromo-3-chloropropa		----------NA----------				
117	1,3,5-trichlorobenzene		----------NA----------				
118	1,2,4-trichlorobenzene		----------NA----------				
119	hexachlorobutadiene		----------NA----------				
120	naphthalene		----------NA----------				
121	1,2,3-trichlorobenzene		----------NA----------				
122	2-methylnaphthalene		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I252202.D MI10232.M Fri Sep 22 13:22:45 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252212.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\VI10232\I252212.D Vial: 19
Acq On : 22 Sep 2023 12:42 pm Operator: PrashanS
Sample : ICV10232-50 Inst : GCMSI
Misc : MS73061,VI10232,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\MSDCHEM\1\METHODS\MI10232.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi-624 60m x 0.25mm x 1.4umWed Feb 03 18:57:01 2021
Last Update : Thu Sep 21 15:06:58 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	108	0.00	4.44
2	ethanol	0.088	0.077	12.5	97	0.00	3.89
3	tertiary butyl alcohol	0.995	0.916	7.9	95	0.00	4.49
4	1,4-dioxane	0.077	0.075	2.6	100	0.00	6.44
5 I	pentafluorobenzene	1.000	1.000	0.0	104	0.00	5.54
6	dichlorodifluoromethane		----------NA----------				
7	chlorodifluoromethane		----------NA----------				
8	chloromethane		----------NA----------				
9	vinyl chloride		----------NA----------				
10	1,3-butadiene	0.288	0.276	4.2	98	-0.01	3.34
11	bromomethane		----------NA----------				
12	chloroethane		----------NA----------				
13	trichlorofluoromethane		----------NA----------				
14	ethyl ether	0.134	0.141	-5.2	103	0.00	4.04
15	acrolein		----------NA----------				
16	freon 113	0.242	0.262	-8.3	107	0.00	4.23
17	1,1-dichloroethene	0.397	0.461	-16.1	114	0.00	4.25
18	acetone	0.026	0.025	3.8	99	0.00	4.20
19	iodomethane	0.321	0.303	5.6	84	0.00	4.38
20	carbon disulfide	0.760	0.987	-29.9	136	-0.01	4.47
21	acetonitrile	0.025	0.022	12.0	90	0.00	4.37
22	methyl acetate	0.035	0.033	5.7	92	0.00	4.40
23	methylene chloride	0.244	0.241	1.2	106	0.00	4.53
24	acrylonitrile	0.052	0.057	-9.6	102	-0.01	4.62
25	methyl tert butyl ether	0.729	0.751	-3.0	103	0.00	4.69
26	trans-1,2-dichloroethene	0.434	0.452	-4.1	106	-0.01	4.72
27	hexane		----------NA----------				
28	1,1-dichloroethane	0.494	0.510	-3.2	105	0.00	4.98
29	vinyl acetate	0.031	0.033	-6.5	108	0.00	4.91
30	di-isopropyl ether	1.109	1.103	0.5	101	-0.01	4.94
31	chloroprene	0.504	0.525	-4.2	108	-0.01	5.03
32	ethyl tert-butyl ether	0.907	0.904	0.3	97	0.00	5.17
33	2-butanone	0.024	0.026	-8.3	106	0.00	5.25
34	2,2-dichloropropane	0.430	0.459	-6.7	109	0.00	5.35
35	ethyl acetate	0.039	0.038	2.6	100	0.00	5.25
36	cis-1,2-dichloroethene	0.297	0.313	-5.4	104	0.00	5.32
37	propionitrile	0.028	0.027	3.6	91	0.00	5.27
38	methyl acrylate	0.241	0.217	10.0	94	0.00	5.31
39	methacrylonitrile	0.089	0.092	-3.4	100	0.00	5.39
40	bromochloromethane	0.133	0.136	-2.3	101	0.00	5.47
41	tetrahydrofuran	0.083	0.085	-2.4	108	0.00	5.49

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252212.D

42		chloroform	0.546	0.529	3.1	103	-0.01	5.49
43		carbon tetrachloride	0.440	0.469	-6.6	109	-0.01	5.78
44		1,1-dichloropropene	0.404	0.418	-3.5	107	0.00	5.75
45		isobutyl alcohol	0.003	0.003#	0.0	100	0.00	5.75
46	S	dibromofluoromethane (s)	0.461	0.447	3.0	101	-0.01	5.59
47		1,1,1-trichloroethane	0.466	0.487	-4.5	104	-0.01	5.66
48		cyclohexane		----------NA----------				
49		tert-amyl alcohol		----------NA----------				
50	I	1,4-difluorobenzene	1.000	1.000	0.0	101	0.00	6.07
51	S	1,2-dichloroethane-d4 (s)	0.312	0.299	4.2	100	0.00	5.83
52		isopropyl acetate	0.031	0.034	-9.7	105	-0.01	5.76
53		1,2-dichloroethane	0.275	0.271	1.5	101	0.00	5.87
54		benzene	0.738	0.767	-3.9	104	0.00	5.89
55		2,2,4-trimethylpentane	0.771	0.812	-5.3	106	0.00	5.93
56		tert-amyl methyl ether	0.116	0.120	-3.4	98	0.00	5.90
57		heptane	0.164	0.175	-6.7	108	0.00	5.99
58		n-butyl alcohol	0.003	0.003#	0.0	99	0.00	6.04
59		trichloroethene	0.212	0.216	-1.9	103	0.00	6.27
60		ethyl acrylate	0.197	0.201	-2.0	99	0.00	6.21
61		methylcyclohexane	0.315	0.336	-6.7	107	-0.01	6.46
62		1,2-dichloropropane	0.196	0.192	2.0	100	-0.01	6.42
63		methyl methacrylate	0.035	0.040	-14.3	103	-0.01	6.36
64		dibromomethane	0.104	0.105	-1.0	99	-0.01	6.49
65		bromodichloromethane	0.244	0.257	-5.3	100	0.00	6.56
66		2-nitropropane	0.039	0.043	-10.3	114	-0.01	6.64
67		2-chloroethyl vinyl ether	0.072	0.096	-33.3#	124	0.00	6.67
68		epichlorohydrin	0.013	0.014	-7.7	103	0.00	6.73
69		cis-1,3-dichloropropene	0.289	0.309	-6.9	102	0.00	6.83
70		4-methyl-2-pentanone	0.052	0.057	-9.6	102	0.00	6.86
71		3-methyl-1-butanol	0.002	0.003#	-50.0#	98	0.00	6.84
72	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	7.99
73	S	toluene-d8 (s)	1.359	1.358	0.1	102	-0.01	7.03
74		toluene	0.586	0.605	-3.2	103	-0.01	7.08
75		trans-1,3-dichloropropene	0.326	0.352	-8.0	102	0.00	7.16
76		ethyl methacrylate	0.221	0.241	-9.0	102	0.00	7.14
77		1,1,2-trichloroethane	0.154	0.158	-2.6	99	0.00	7.31
78		1,3-dichloropropane	0.293	0.307	-4.8	102	0.00	7.42
79		tetrachloroethene		----------NA----------				
80		2-hexanone	0.067	0.075	-11.9	104	0.00	7.39
81		butyl acetate	0.122	0.131	-7.4	108	0.00	7.43
82		n-butyl ether	0.871	0.919	-5.5	102	0.00	7.96
83		dibromochloromethane	0.240	0.254	-5.8	101	0.00	7.59
84		1,2-dibromoethane	0.185	0.198	-7.0	101	0.00	7.70
85		chlorobenzene	0.596	0.628	-5.4	104	0.00	8.01
86		1,1,1,2-tetrachloroethane	0.229	0.253	-10.5	105	0.00	8.04
87		ethylbenzene	1.011	1.077	-6.5	105	0.00	8.04
88		m,p-xylene	0.383	0.417	-8.9	106	-0.01	8.12
89		o-xylene	0.370	0.402	-8.6	107	0.00	8.38
90		styrene	0.600	0.650	-8.3	104	0.00	8.38
91		butyl acrylate	0.339	0.365	-7.7	104	0.00	8.23
92		cis-1,4-dichloro-2-butene	0.077	0.083	-7.8	98	-0.01	8.60
93		bromoform	0.144	0.160	-11.1	107	0.00	8.54
94		isopropylbenzene	0.899	0.986	-9.7	108	0.00	8.60
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	104	-0.01	9.52
96	S	4-bromofluorobenzene (s)	0.945	0.955	-1.1	104	0.00	8.73
97		1,1,2,2-tetrachloroethane	0.416	0.409	1.7	103	-0.01	8.76
98		trans-1,4-dichloro-2-bute	0.131	0.152	-16.0	113	0.00	8.78

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10232-ICV10232
Lab FileID: I252212.D

99	1,2,3-trichloropropane	0.110	0.114	-3.6	101	-0.01	8.82
100	bromobenzene	0.552	0.598	-8.3	106	0.00	8.87
101	n-propylbenzene	2.275	2.474	-8.7	107	-0.01	8.87
102	2-chlorotoluene	0.482	0.518	-7.5	107	0.00	8.97
103	4-chlorotoluene	1.380	1.458	-5.7	105	0.00	9.04
104	1,3,5-trimethylbenzene	1.581	1.730	-9.4	107	0.00	8.97
105	tert-butylbenzene	1.438	1.562	-8.6	108	0.00	9.21
106	1,2,4-trimethylbenzene	1.643	1.777	-8.2	107	0.00	9.24
107	sec-butylbenzene	2.069	2.246	-8.6	107	0.00	9.35
108	p-isopropyltoluene	1.777	1.963	-10.5	109	0.00	9.44
109	benzyl chloride	0.691	0.848	-22.7	113	-0.01	9.59
110	1,3-dichlorobenzene	1.002	1.048	-4.6	108	0.00	9.48
111	1,4-dichlorobenzene	1.008	1.027	-1.9	104	0.00	9.54
112	1,2-dichlorobenzene	0.911	0.962	-5.6	105	-0.01	9.80
113	1,2,3-trimethylbenzene		----------NA----------				
114	n-butylbenzene	0.866	0.972	-12.2	110	0.00	9.72
115	hexachloroethane	0.311	0.371	-19.3	112	0.00	10.04
116	1,2-dibromo-3-chloropropa	0.096	0.107	-11.5	105	-0.01	10.36
117	1,3,5-trichlorobenzene	0.869	0.984	-13.2	113	0.00	10.53
118	1,2,4-trichlorobenzene	0.788	0.857	-8.8	108	-0.01	11.06
119	hexachlorobutadiene	0.451	0.500	-10.9	110	-0.01	11.16
120	naphthalene	1.537	1.614	-5.0	103	0.00	11.32
121	1,2,3-trichlorobenzene	0.737	0.775	-5.2	104	-0.01	11.52
122	2-methylnaphthalene	0.853	0.934	-9.5	109	-0.01	12.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I252202.D MI10232.M Fri Sep 22 13:26:54 2023

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10301-CC10232
Lab FileID: I254311.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton VOA GCMS\k...023\vi10301\I254311.d Vial: 3
Acq On : 21 Dec 2023 11:12 am Operator: JOHNN
Sample : CC10232-50 Inst : GCMSI
Misc : MS76284,VI10301,5.0,,,,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MI10232.M (RTE Integrator)
Title : Method SW846 8260C/D, Rxi-624 60m x 0.25mm x 1.4umWed Feb 03 18:57:01 2021
Last Update : Thu Sep 21 15:06:58 2023
Response via : Multiple Level Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	111	-0.01	4.44
2	ethanol	0.088	0.103	-17.0	133	-0.01	3.88
3	tertiary butyl alcohol	0.995	1.001	-0.6	107	-0.01	4.49
4	1,4-dioxane	0.077	0.084	-9.1	115	-0.01	6.44
5 I	pentafluorobenzene	1.000	1.000	0.0	118	-0.01	5.54
6	dichlorodifluoromethane	0.347	0.313	9.8	101	0.00	3.01
7	chlorodifluoromethane	0.314	0.326	-3.8	119	0.00	3.01
8	chloromethane	0.320	0.299	6.6	113	0.00	3.20
9	vinyl chloride	0.335	0.308	8.1	105	-0.01	3.31
10	1,3-butadiene	0.288	0.290	-0.7	117	-0.01	3.34
11	bromomethane	0.167	0.171	-2.4	123	0.00	3.60
12	chloroethane	0.157	0.161	-2.5	118	0.00	3.68
13	trichlorofluoromethane	0.470	0.507	-7.9	121	0.00	3.88
14	ethyl ether	0.134	0.145	-8.2	121	-0.01	4.03
15	acrolein	0.032	0.037	-15.6	129	0.00	4.13
16	freon 113	0.242	0.279	-15.3	130	-0.01	4.22
17	1,1-dichloroethene	0.397	0.424	-6.8	120	-0.01	4.24
18	acetone	0.026	0.035	-34.6#	159	0.00	4.20
19	iodomethane	0.321	0.294	8.4	93	-0.01	4.37
20	carbon disulfide	0.760	0.848	-11.6	133	-0.01	4.47
21	acetonitrile	0.025	0.029	-16.0	131	0.00	4.36
22	methyl acetate	0.035	0.038	-8.6	119	-0.01	4.39
23	methylene chloride	0.244	0.256	-4.9	128	-0.01	4.52
24	acrylonitrile	0.052	0.059	-13.5	120	-0.01	4.62
25	methyl tert butyl ether	0.729	0.713	2.2	112	-0.01	4.68
26	trans-1,2-dichloroethene	0.434	0.451	-3.9	120	-0.01	4.72
27	hexane	0.519	0.537	-3.5	124	-0.01	4.87
28	1,1-dichloroethane	0.494	0.547	-10.7	128	-0.01	4.97
29	vinyl acetate	0.031	0.037	-19.4	138	-0.01	4.91
30	di-isopropyl ether	1.109	1.170	-5.5	122	-0.01	4.94
31	chloroprene	0.504	0.489	3.0	114	-0.01	5.03
32	ethyl tert-butyl ether	0.907	0.921	-1.5	113	-0.01	5.16
33	2-butanone	0.024	0.032	-33.3#	146	-0.01	5.25
34	2,2-dichloropropane	0.430	0.453	-5.3	122	-0.01	5.34
35	ethyl acetate	0.039	0.044	-12.8	131	-0.01	5.25
36	cis-1,2-dichloroethene	0.297	0.343	-15.5	130	-0.01	5.31
37	propionitrile	0.028	0.031	-10.7	120	0.00	5.27
38	methyl acrylate	0.241	0.232	3.7	114	-0.01	5.30
39	methacrylonitrile	0.089	0.099	-11.2	122	-0.01	5.38
40	bromochloromethane	0.133	0.154	-15.8	130	-0.01	5.47
41	tetrahydrofuran	0.083	0.086	-3.6	124	-0.01	5.49

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: VI10301-CC10232
Lab FileID: I254311.D

42		chloroform	0.546	0.561	-2.7	124	-0.01	5.49
43		carbon tetrachloride	0.440	0.464	-5.5	123	-0.01	5.78
44		1,1-dichloropropene	0.404	0.428	-5.9	125	-0.01	5.75
45		isobutyl alcohol	0.003	0.003#	0.0	119	-0.01	5.75
46	S	dibromofluoromethane (s)	0.461	0.486	-5.4	125	-0.01	5.59
47		1,1,1-trichloroethane	0.466	0.493	-5.8	121	-0.01	5.66
48		cyclohexane	0.418	0.442	-5.7	126	-0.01	5.75
49		tert-amyl alcohol	0.050	0.052	-4.0	123	-0.02	5.74
50	I	1,4-difluorobenzene	1.000	1.000	0.0	123	-0.01	6.07
51	S	1,2-dichloroethane-d4 (s)	0.312	0.282	9.6	115	-0.01	5.82
52		isopropyl acetate	0.031	0.032	-3.2	121	-0.01	5.76
53		1,2-dichloroethane	0.275	0.252	8.4	114	-0.01	5.87
54		benzene	0.738	0.760	-3.0	126	-0.01	5.88
55		2,2,4-trimethylpentane	0.771	0.796	-3.2	126	0.00	5.93
56		tert-amyl methyl ether	0.116	0.115	0.9	114	-0.01	5.89
57		heptane	0.164	0.173	-5.5	129	0.00	5.99
58		n-butyl alcohol	0.003	0.003#	0.0	150	-0.02	6.03
59		trichloroethene	0.212	0.214	-0.9	123	0.00	6.27
60		ethyl acrylate	0.197	0.189	4.1	113	-0.01	6.20
61		methylcyclohexane	0.315	0.318	-1.0	123	-0.01	6.46
62		1,2-dichloropropane	0.196	0.205	-4.6	129	-0.02	6.42
63		methyl methacrylate	0.035	0.035	0.0	110	-0.01	6.36
64		dibromomethane	0.104	0.112	-7.7	129	-0.02	6.49
65		bromodichloromethane	0.244	0.261	-7.0	124	-0.01	6.56
66		2-nitropropane	0.039	0.045	-15.4	145	-0.02	6.64
67		2-chloroethyl vinyl ether	0.072	0.078	-8.3	123	-0.01	6.67
68		epichlorohydrin	0.013	0.014	-7.7	123	-0.01	6.73
69		cis-1,3-dichloropropene	0.289	0.315	-9.0	126	-0.01	6.83
70		4-methyl-2-pentanone	0.052	0.058	-11.5	126	0.00	6.86
71		3-methyl-1-butanol	0.002	0.003#	-50.0#	140	-0.01	6.83
72	I	chlorobenzene-d5	1.000	1.000	0.0	122	-0.01	7.99
73	S	toluene-d8 (s)	1.359	1.373	-1.0	123	-0.01	7.03
74		toluene	0.586	0.598	-2.0	122	-0.01	7.08
75		trans-1,3-dichloropropene	0.326	0.358	-9.8	124	-0.01	7.16
76		ethyl methacrylate	0.221	0.222	-0.5	112	-0.01	7.13
77		1,1,2-trichloroethane	0.154	0.173	-12.3	130	-0.01	7.30
78		1,3-dichloropropane	0.293	0.324	-10.6	128	-0.01	7.42
79		tetrachloroethene	0.295	0.307	-4.1	124	-0.01	7.44
80		2-hexanone	0.067	0.082	-22.4#	136	-0.01	7.38
81		butyl acetate	0.122	0.119	2.5	118	-0.01	7.43
82		n-butyl ether	0.871	0.894	-2.6	119	-0.01	7.95
83		dibromochloromethane	0.240	0.267	-11.3	126	-0.01	7.59
84		1,2-dibromoethane	0.185	0.204	-10.3	125	-0.01	7.70
85		chlorobenzene	0.596	0.647	-8.6	128	-0.01	8.01
86		1,1,1,2-tetrachloroethane	0.229	0.256	-11.8	127	-0.01	8.04
87		ethylbenzene	1.011	1.066	-5.4	124	-0.01	8.04
88		m,p-xylene	0.383	0.413	-7.8	125	-0.01	8.12
89		o-xylene	0.370	0.405	-9.5	129	0.00	8.38
90		styrene	0.600	0.652	-8.7	125	0.00	8.38
91		butyl acrylate	0.339	0.331	2.4	113	-0.01	8.23
92		cis-1,4-dichloro-2-butene	0.077	0.082	-6.5	116	-0.01	8.60
93		bromoform	0.144	0.162	-12.5	129	-0.01	8.54
94		isopropylbenzene	0.899	0.933	-3.8	123	-0.01	8.60
95	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	129	-0.01	9.52
96	S	4-bromofluorobenzene (s)	0.945	0.906	4.1	122	-0.01	8.73
97		1,1,2,2-tetrachloroethane	0.416	0.433	-4.1	135	-0.01	8.76
98		trans-1,4-dichloro-2-bute	0.131	0.132	-0.8	121	-0.01	8.77

Continuing Calibration Summary

Job Number: JD79288 **Sample:** VI10301-CC10232
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** I254311.D
Project: 99 Franklin Courts, Tarrytown, NY

99	1,2,3-trichloropropane	0.110	0.115	-4.5	126	-0.01	8.82
100	bromobenzene	0.552	0.560	-1.4	122	-0.01	8.86
101	n-propylbenzene	2.275	2.378	-4.5	127	-0.01	8.87
102	2-chlorotoluene	0.482	0.512	-6.2	130	-0.01	8.96
103	4-chlorotoluene	1.380	1.366	1.0	121	-0.01	9.03
104	1,3,5-trimethylbenzene	1.581	1.602	-1.3	122	-0.01	8.96
105	tert-butylbenzene	1.438	1.414	1.7	120	-0.01	9.20
106	1,2,4-trimethylbenzene	1.643	1.638	0.3	122	-0.01	9.23
107	sec-butylbenzene	2.069	2.131	-3.0	125	-0.01	9.35
108	p-isopropyltoluene	1.777	1.795	-1.0	123	-0.01	9.43
109	benzyl chloride	0.691	0.834	-20.7#	137	-0.01	9.59
110	1,3-dichlorobenzene	1.002	1.013	-1.1	129	-0.01	9.47
111	1,4-dichlorobenzene	1.008	1.028	-2.0	128	-0.01	9.53
112	1,2-dichlorobenzene	0.911	0.938	-3.0	126	-0.02	9.80
113	1,2,3-trimethylbenzene	1.619	1.630	-0.7	123	-0.02	9.52
114	n-butylbenzene	0.866	0.918	-6.0	128	-0.01	9.72
115	hexachloroethane	0.311	0.345	-10.9	129	0.00	10.04
116	1,2-dibromo-3-chloropropa	0.096	0.097	-1.0	118	-0.02	10.35
117	1,3,5-trichlorobenzene	0.869	0.834	4.0	118	-0.01	10.52
118	1,2,4-trichlorobenzene	0.788	0.770	2.3	120	-0.02	11.05
119	hexachlorobutadiene	0.451	0.428	5.1	116	-0.02	11.15
120	naphthalene	1.537	1.453	5.5	115	-0.01	11.31
121	1,2,3-trichlorobenzene	0.737	0.684	7.2	113	-0.02	11.51
122	2-methylnaphthalene	0.853	0.672	21.2#	96	-0.02	12.48

(#) = Out of Range SPCC's out = 0 CCC's out = 0
I252202.D MI10232.M Fri Dec 22 03:03:20 2023

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: VI10232	**Method:** SW846 8260D	**Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI10232-BFB	I252194.D	09/19/23 22:18	n/a	BFB Tune
VI10232-IC10232	I252195.D	09/19/23 22:51	n/a	Initial cal 0.2
VI10232-IC10232	I252196.D	09/19/23 23:13	n/a	Initial cal 0.5
VI10232-IC10232	I252197.D	09/19/23 23:35	n/a	Initial cal 1
VI10232-IC10232	I252198.D	09/19/23 23:57	n/a	Initial cal 2
VI10232-IC10232	I252199.D	09/20/23 00:19	n/a	Initial cal 4
VI10232-IC10232	I252200.D	09/20/23 00:41	n/a	Initial cal 8
VI10232-IC10232	I252201.D	09/20/23 01:02	n/a	Initial cal 20
VI10232-ICC10232	I252202.D	09/20/23 01:24	n/a	Initial cal 50
VI10232-IC10232	I252203.D	09/20/23 01:46	n/a	Initial cal 100
VI10232-IC10232	I252204.D	09/20/23 02:08	n/a	Initial cal 200
VI10232-ICV10232	I252207.D	09/20/23 03:13	n/a	Initial cal verification 50
VI10232-ICV10232	I252208.D	09/20/23 03:35	n/a	Initial cal verification 50
VI10232-BFB2	I252211.D	09/22/23 12:20	n/a	BFB Tune
VI10232-ICV10232	I252212.D	09/22/23 12:42	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: VI10301	**Method:** SW846 8260D	**Instrument ID:** GCMSI

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
VI10301-CC10232	I254311.D	12/21/23 11:12	n/a	Continuing cal 50
VI10301-BS	I254312.D	12/21/23 12:56	n/a	Blank Spike
VI10301-MB	I254314.D	12/21/23 13:48	n/a	Method Blank
JD79243-5	I254315.D	12/21/23 14:10	n/a	(used for QC only; not part of job JD79288)
JD79243-7	I254316.D	12/21/23 14:32	n/a	(used for QC only; not part of job JD79288)
JD79288-1	I254317.D	12/21/23 14:54	n/a	SB-102 (3-3.5)
JD79288-2	I254318.D	12/21/23 15:15	n/a	SB-101 (2.5-3)
ZZZZZZ	I254319.D	12/21/23 15:37	n/a	(unrelated sample)
JD79243-5MS	I254320.D	12/21/23 15:59	n/a	Matrix Spike
JD79243-7DUP	I254322.D	12/21/23 16:42	n/a	Duplicate
ZZZZZZ	I254323.D	12/21/23 17:04	n/a	(unrelated sample)
ZZZZZZ	I254324.D	12/21/23 17:26	n/a	(unrelated sample)
ZZZZZZ	I254325.D	12/21/23 17:48	n/a	(unrelated sample)
ZZZZZZ	I254326.D	12/21/23 18:09	n/a	(unrelated sample)
ZZZZZZ	I254327.D	12/21/23 18:31	n/a	(unrelated sample)
ZZZZZZ	I254328.D	12/21/23 18:53	n/a	(unrelated sample)
ZZZZZZ	I254329.D	12/21/23 19:15	n/a	(unrelated sample)
ZZZZZZ	I254330.D	12/21/23 19:36	n/a	(unrelated sample)
ZZZZZZ	I254331.D	12/21/23 19:58	n/a	(unrelated sample)
ZZZZZZ	I254332.D	12/21/23 20:20	n/a	(unrelated sample)
ZZZZZZ	I254333.D	12/21/23 20:41	n/a	(unrelated sample)
ZZZZZZ	I254334.D	12/21/23 21:03	n/a	(unrelated sample)
ZZZZZZ	I254335.D	12/21/23 21:25	n/a	(unrelated sample)
ZZZZZZ	I254336.D	12/21/23 21:47	n/a	(unrelated sample)
ZZZZZZ	I254337.D	12/21/23 22:08	n/a	(unrelated sample)

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (DFTPP)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MB1	6P513458.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	67	16	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	20	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	28	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	59	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	170	130	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	170	36	ug/kg	
95-48-7	2-Methylphenol	ND	67	21	ug/kg	
	3&4-Methylphenol	ND	67	27	ug/kg	
88-75-5	2-Nitrophenol	ND	170	22	ug/kg	
100-02-7	4-Nitrophenol	ND	330	89	ug/kg	
87-86-5	Pentachlorophenol	ND	130	31	ug/kg	
108-95-2	Phenol	ND	67	17	ug/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	170	22	ug/kg	
95-95-4	2,4,5-Trichlorophenol	ND	170	25	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	20	ug/kg	
83-32-9	Acenaphthene	ND	33	11	ug/kg	
208-96-8	Acenaphthylene	ND	33	17	ug/kg	
98-86-2	Acetophenone	ND	170	7.2	ug/kg	
120-12-7	Anthracene	ND	33	20	ug/kg	
1912-24-9	Atrazine	ND	67	14	ug/kg	
56-55-3	Benzo(a)anthracene	ND	33	9.4	ug/kg	
50-32-8	Benzo(a)pyrene	ND	33	15	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	33	15	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	33	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	33	16	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	67	13	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	67	8.1	ug/kg	
92-52-4	1,1'-Biphenyl	ND	67	4.6	ug/kg	
100-52-7	Benzaldehyde	ND	170	8.3	ug/kg	
91-58-7	2-Chloronaphthalene	ND	67	7.9	ug/kg	
106-47-8	4-Chloroaniline	ND	170	12	ug/kg	
86-74-8	Carbazole	ND	67	4.8	ug/kg	
105-60-2	Caprolactam	ND	67	13	ug/kg	
218-01-9	Chrysene	ND	33	10	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	67	7.1	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	67	14	ug/kg	

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MB1	6P513458.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	2,2'-Oxybis(1-chloropropane)	ND	67	12	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	67	11	ug/kg	
121-14-2	2,4-Dinitrotoluene	ND	33	10	ug/kg	
606-20-2	2,6-Dinitrotoluene	ND	33	17	ug/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	67	28	ug/kg	
123-91-1	1,4-Dioxane	ND	33	22	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	33	15	ug/kg	
132-64-9	Dibenzofuran	ND	67	14	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	67	5.4	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	67	8.3	ug/kg	
84-66-2	Diethyl phthalate	ND	67	7.1	ug/kg	
131-11-3	Dimethyl phthalate	ND	67	5.9	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	67	7.8	ug/kg	
206-44-0	Fluoranthene	ND	33	15	ug/kg	
86-73-7	Fluorene	ND	33	15	ug/kg	
118-74-1	Hexachlorobenzene	ND	67	8.4	ug/kg	
87-68-3	Hexachlorobutadiene	ND	33	13	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	330	13	ug/kg	
67-72-1	Hexachloroethane	ND	170	16	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	33	16	ug/kg	
78-59-1	Isophorone	ND	67	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	33	7.5	ug/kg	
88-74-4	2-Nitroaniline	ND	170	7.9	ug/kg	
99-09-2	3-Nitroaniline	ND	170	8.3	ug/kg	
100-01-6	4-Nitroaniline	ND	170	8.6	ug/kg	
91-20-3	Naphthalene	ND	33	9.4	ug/kg	
98-95-3	Nitrobenzene	ND	67	13	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	67	9.6	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	12	ug/kg	
85-01-8	Phenanthrene	ND	33	11	ug/kg	
129-00-0	Pyrene	ND	33	11	ug/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	170	8.5	ug/kg	

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MB1	6P513458.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	62%	10-99%
4165-62-2	Phenol-d5	65%	10-96%
118-79-6	2,4,6-Tribromophenol	62%	10-123%
4165-60-0	Nitrobenzene-d5	62%	10-109%
321-60-8	2-Fluorobiphenyl	58%	11-109%
1718-51-0	Terphenyl-d14	82%	10-120%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		0	ug/kg	

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-BS1	6P513459.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
95-57-8	2-Chlorophenol	1670	1180	71	10-135
59-50-7	4-Chloro-3-methyl phenol	1670	1300	78	10-141
120-83-2	2,4-Dichlorophenol	1670	1150	69	10-139
105-67-9	2,4-Dimethylphenol	1670	1270	76	10-141
51-28-5	2,4-Dinitrophenol	3330	1770	53	10-138
534-52-1	4,6-Dinitro-o-cresol	1670	1090	65	10-156
95-48-7	2-Methylphenol	1670	1210	73	10-139
	3&4-Methylphenol	3330	2540	76	10-174
88-75-5	2-Nitrophenol	1670	1240	74	10-142
100-02-7	4-Nitrophenol	1670	1340	80	10-144
87-86-5	Pentachlorophenol	3330	2300	69	10-165
108-95-2	Phenol	1670	1220	73	23-115
58-90-2	2,3,4,6-Tetrachlorophenol	1670	1140	68	10-146
95-95-4	2,4,5-Trichlorophenol	1670	1170	70	13-136
88-06-2	2,4,6-Trichlorophenol	1670	1160	70	10-142
83-32-9	Acenaphthene	1670	1240	74	10-141
208-96-8	Acenaphthylene	1670	1500	90	10-133
98-86-2	Acetophenone	1670	1200	72	23-115
120-12-7	Anthracene	1670	1320	79	10-144
1912-24-9	Atrazine	1670	1400	84	17-149
56-55-3	Benzo(a)anthracene	1670	1360	82	11-139
50-32-8	Benzo(a)pyrene	1670	1420	85	13-141
205-99-2	Benzo(b)fluoranthene	1670	1460	88	14-140
191-24-2	Benzo(g,h,i)perylene	1670	1390	83	13-138
207-08-9	Benzo(k)fluoranthene	1670	1510	91	12-140
101-55-3	4-Bromophenyl phenyl ether	1670	1340	80	10-146
85-68-7	Butyl benzyl phthalate	1670	1540	92	10-150
92-52-4	1,1'-Biphenyl	1670	1180	71	10-141
100-52-7	Benzaldehyde	1670	922	55	10-146
91-58-7	2-Chloronaphthalene	1670	1160	70	10-142
106-47-8	4-Chloroaniline	1670	759	46	10-108
86-74-8	Carbazole	1670	1310	79	10-145
105-60-2	Caprolactam	1670	1240	74	10-187
218-01-9	Chrysene	1670	1260	76	11-139
111-91-1	bis(2-Chloroethoxy)methane	1670	1230	74	10-144
111-44-4	bis(2-Chloroethyl)ether	1670	1190	71	10-145

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-BS1	6P513459.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
108-60-1	2,2'-Oxybis(1-chloropropane)	1670	1150	69	10-145
7005-72-3	4-Chlorophenyl phenyl ether	1670	1180	71	10-145
121-14-2	2,4-Dinitrotoluene	1670	1390	83	10-148
606-20-2	2,6-Dinitrotoluene	1670	1360	82	12-145
91-94-1	3,3'-Dichlorobenzidine	1670	940	56	10-100
123-91-1	1,4-Dioxane	1670	672	40	10-97
53-70-3	Dibenzo(a,h)anthracene	1670	1410	85	14-142
132-64-9	Dibenzofuran	1670	1210	73	10-140
84-74-2	Di-n-butyl phthalate	1670	1400	84	11-147
117-84-0	Di-n-octyl phthalate	1670	2010	121	15-145
84-66-2	Diethyl phthalate	1670	1290	77	10-145
131-11-3	Dimethyl phthalate	1670	1240	74	10-144
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1620	97	26-132
206-44-0	Fluoranthene	1670	1320	79	10-147
86-73-7	Fluorene	1670	1250	75	12-139
118-74-1	Hexachlorobenzene	1670	1220	73	10-144
87-68-3	Hexachlorobutadiene	1670	1050	63	10-142
77-47-4	Hexachlorocyclopentadiene	3330	3150	95	10-120
67-72-1	Hexachloroethane	1670	1060	64	10-141
193-39-5	Indeno(1,2,3-cd)pyrene	1670	1400	84	13-144
78-59-1	Isophorone	1670	1260	76	10-139
91-57-6	2-Methylnaphthalene	1670	1180	71	10-140
88-74-4	2-Nitroaniline	1670	1460	88	10-148
99-09-2	3-Nitroaniline	1670	955	57	10-127
100-01-6	4-Nitroaniline	1670	1160	70	10-143
91-20-3	Naphthalene	1670	1150	69	10-141
98-95-3	Nitrobenzene	1670	1270	76	10-139
621-64-7	N-Nitroso-di-n-propylamine	1670	1300	78	10-143
86-30-6	N-Nitrosodiphenylamine	1670	1270	76	10-145
85-01-8	Phenanthrene	1670	1280	77	10-142
129-00-0	Pyrene	1670	1370	82	13-141
95-94-3	1,2,4,5-Tetrachlorobenzene	1670	1090	65	10-143

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-BS1	6P513459.D	1	12/23/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	74%	10-99%
4165-62-2	Phenol-d5	78%	10-96%
118-79-6	2,4,6-Tribromophenol	88%	10-123%
4165-60-0	Nitrobenzene-d5	77%	10-109%
321-60-8	2-Fluorobiphenyl	70%	11-109%
1718-51-0	Terphenyl-d14	84%	10-120%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MS	6P513468.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
OP51352-MSD	6P513469.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
JD79233-2	6P513470.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	JD79233-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	ND		1890	1030	55	1880	1110	59	7	10-137/86
59-50-7	4-Chloro-3-methyl phenol	ND		1890	1180	63	1880	1290	69	9	10-146/84
120-83-2	2,4-Dichlorophenol	ND		1890	1070	57	1880	1150	61	7	10-145/86
105-67-9	2,4-Dimethylphenol	ND		1890	980	52	1880	1020	54	4	10-148/87
51-28-5	2,4-Dinitrophenol	ND		3780	524	14	3750	682	18	26	10-118/90
534-52-1	4,6-Dinitro-o-cresol	ND		1890	398	21	1880	453	24	13	10-131/97
95-48-7	2-Methylphenol	ND		1890	1080	57	1880	1150	61	6	10-143/86
	3&4-Methylphenol	ND		3780	2280	60	3750	2420	65	6	10-162/87
88-75-5	2-Nitrophenol	ND		1890	1090	58	1880	1160	62	6	10-147/93
100-02-7	4-Nitrophenol	ND		1890	1230	65	1880	1310	70	6	10-152/85
87-86-5	Pentachlorophenol	ND		3780	1670	44	3750	1810	48	8	10-146/89
108-95-2	Phenol	ND		1890	1100	58	1880	1180	63	7	10-118/84
58-90-2	2,3,4,6-Tetrachlorophenol	ND		1890	963	51	1880	1070	57	11	10-139/87
95-95-4	2,4,5-Trichlorophenol	ND		1890	1070	57	1880	1150	61	7	10-140/86
88-06-2	2,4,6-Trichlorophenol	ND		1890	1050	56	1880	1120	60	6	10-141/86
83-32-9	Acenaphthene	ND		1890	1160	61	1880	1230	66	6	10-156/87
208-96-8	Acenaphthylene	ND		1890	1430	76	1880	1520	81	6	10-143/84
98-86-2	Acetophenone	ND		1890	1040	55	1880	1090	58	5	10-130/90
120-12-7	Anthracene	ND		1890	1190	63	1880	1270	68	7	10-166/88
1912-24-9	Atrazine	ND		1890	1280	68	1880	1360	73	6	10-148/86
56-55-3	Benzo(a)anthracene	58.2		1890	1320	67	1880	1450	74	9	10-163/88
50-32-8	Benzo(a)pyrene	79.5		1890	1340	67	1880	1500	76	11	10-163/89
205-99-2	Benzo(b)fluoranthene	85.7		1890	1330	66	1880	1540	78	15	10-156/91
191-24-2	Benzo(g,h,i)perylene	58.4		1890	1230	62	1880	1370	70	11	10-158/89
207-08-9	Benzo(k)fluoranthene	36.8	J	1890	1280	66	1880	1350	70	5	10-157/86
101-55-3	4-Bromophenyl phenyl ether	ND		1890	1230	65	1880	1310	70	6	10-143/87
85-68-7	Butyl benzyl phthalate	ND		1890	1610	85	1880	1740	93	8	10-161/89
92-52-4	1,1'-Biphenyl	ND		1890	1120	59	1880	1190	63	6	10-143/86
100-52-7	Benzaldehyde	ND		1890	817	43	1880	819	44	0	10-148/88
91-58-7	2-Chloronaphthalene	ND		1890	1100	58	1880	1170	62	6	10-145/86
106-47-8	4-Chloroaniline	ND		1890	747	40	1880	743	40	1	10-109/87
86-74-8	Carbazole	ND		1890	1160	61	1880	1250	67	7	10-158/87
105-60-2	Caprolactam	ND		1890	666	35	1880	794	42	18	10-150/82
218-01-9	Chrysene	49.3		1890	1230	63	1880	1340	69	9	10-164/87
111-91-1	bis(2-Chloroethoxy)methane	ND		1890	1120	59	1880	1180	63	5	10-152/86
111-44-4	bis(2-Chloroethyl)ether	ND		1890	1010	54	1880	1090	58	8	10-147/86

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MS	6P513468.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
OP51352-MSD	6P513469.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
JD79233-2	6P513470.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Compound	JD79233-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
108-60-1	2,2'-Oxybis(1-chloropropane)	ND		1890	1000	53	1880	1060	57	6	10-134/88
7005-72-3	4-Chlorophenyl phenyl ether	ND		1890	1100	58	1880	1160	62	5	10-142/87
121-14-2	2,4-Dinitrotoluene	ND		1890	1270	67	1880	1380	74	8	10-147/86
606-20-2	2,6-Dinitrotoluene	ND		1890	1300	69	1880	1390	74	7	10-147/88
91-94-1	3,3'-Dichlorobenzidine	ND		1890	1180	63	1880	1270	68	7	10-106/93
123-91-1	1,4-Dioxane	ND		1890	525	28	1880	504	27	4	10-102/85
53-70-3	Dibenzo(a,h)anthracene	ND		1890	1240	66	1880	1360	73	9	10-149/89
132-64-9	Dibenzofuran	ND		1890	1140	60	1880	1220	65	7	10-155/86
84-74-2	Di-n-butyl phthalate	ND		1890	1340	71	1880	1410	75	5	10-158/86
117-84-0	Di-n-octyl phthalate	ND		1890	1700	90	1880	1840	98	8	10-154/84
84-66-2	Diethyl phthalate	ND		1890	1220	65	1880	1290	69	6	10-148/84
131-11-3	Dimethyl phthalate	ND		1890	1160	61	1880	1240	66	7	10-144/85
117-81-7	bis(2-Ethylhexyl)phthalate	ND		1890	1550	82	1880	1690	90	9	10-153/84
206-44-0	Fluoranthene	69.4		1890	1220	61	1880	1310	66	7	10-165/93
86-73-7	Fluorene	ND		1890	1150	61	1880	1230	66	7	10-158/87
118-74-1	Hexachlorobenzene	ND		1890	1070	57	1880	1150	61	7	10-139/85
87-68-3	Hexachlorobutadiene	ND		1890	892	47	1880	959	51	7	10-139/88
77-47-4	Hexachlorocyclopentadiene	ND		3780	2000	53	3750	2130	57	6	10-116/30
67-72-1	Hexachloroethane	ND		1890	851	45	1880	898	48	5	10-141/93
193-39-5	Indeno(1,2,3-cd)pyrene	48.2		1890	1260	64	1880	1390	72	10	10-160/91
78-59-1	Isophorone	ND		1890	1170	62	1880	1230	66	5	10-150/86
91-57-6	2-Methylnaphthalene	ND		1890	1100	58	1880	1140	61	4	10-145/86
88-74-4	2-Nitroaniline	ND		1890	1480	78	1880	1580	84	7	10-152/77
99-09-2	3-Nitroaniline	ND		1890	1110	59	1880	1110	59	0	10-136/83
100-01-6	4-Nitroaniline	ND		1890	1090	58	1880	1120	60	3	10-140/81
91-20-3	Naphthalene	ND		1890	1020	54	1880	1100	59	8	10-146/87
98-95-3	Nitrobenzene	ND		1890	1130	60	1880	1210	65	7	10-146/88
621-64-7	N-Nitroso-di-n-propylamine	ND		1890	1250	66	1880	1300	69	4	10-147/77
86-30-6	N-Nitrosodiphenylamine	ND		1890	1230	65	1880	1290	69	5	10-159/78
85-01-8	Phenanthrene	18.0	J	1890	1170	61	1880	1260	66	7	10-158/95
129-00-0	Pyrene	91.7		1890	1360	67	1880	1490	75	9	10-176/90
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		1890	1020	54	1880	1110	59	8	10-137/87

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51352-MS	6P513468.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
OP51352-MSD	6P513469.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065
JD79233-2	6P513470.D	1	12/24/23	RS	12/22/23	OP51352	E6P4065

The QC reported here applies to the following samples: **Method:** SW846 8270E

JD79288-1, JD79288-2

CAS No.	Surrogate Recoveries	MS	MSD	JD79233-2	Limits
367-12-4	2-Fluorophenol	61%	64%	60%	10-99%
4165-62-2	Phenol-d5	69%	72%	64%	10-96%
118-79-6	2,4,6-Tribromophenol	74%	77%	66%	10-123%
4165-60-0	Nitrobenzene-d5	64%	67%	65%	10-109%
321-60-8	2-Fluorobiphenyl	64%	66%	59%	11-109%
1718-51-0	Terphenyl-d14	75%	78%	69%	10-120%

* = Outside of Control Limits.

Instrument Performance Check (DFTPP)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-DFTPP
Lab File ID: 6P513200.D
Instrument ID: GCMS6P
Injection Date: 12/12/23
Injection Time: 02:10

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	73352	49.1		Pass
68	Less than 2.0% of mass 69	1184	0.79	(1.74) [a]	Pass
69	Mass 69 relative abundance	68227	45.7		Pass
70	Less than 2.0% of mass 69	619	0.41	(0.91) [a]	Pass
127	40.0 - 60.0% of mass 198	77016	51.6		Pass
197	Less than 1.0% of mass 198	1428	0.96		Pass
198	Base peak, 100% relative abundance	149272	100.0		Pass
199	5.0 - 9.0% of mass 198	10464	7.01		Pass
275	10.0 - 30.0% of mass 198	40471	27.1		Pass
365	1.0 - 100.0% of mass 198	5208	3.49		Pass
441	Present, but less than mass 443	16389	11.0	(83.9) [b]	Pass
442	40.0 - 100.0% of mass 198	105744	70.8		Pass
443	17.0 - 23.0% of mass 442	19528	13.1	(18.5) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4054-ICC4054	6P513202.D	12/12/23	02:46	00:36	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23	03:08	00:58	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23	03:30	01:20	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23	03:53	01:43	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23	04:15	02:05	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23	04:37	02:27	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23	05:00	02:50	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23	05:22	03:12	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23	05:45	03:35	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23	06:07	03:57	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23	06:29	04:19	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-DFTPP
Lab File ID: 6P513214.D
Instrument ID: GCMS6P
Injection Date: 12/12/23
Injection Time: 08:47

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	46606	47.9		Pass
68	Less than 2.0% of mass 69	788	0.81	(1.88) [a]	Pass
69	Mass 69 relative abundance	41983	43.2		Pass
70	Less than 2.0% of mass 69	270	0.28	(0.64) [a]	Pass
127	40.0 - 60.0% of mass 198	49451	50.8		Pass
197	Less than 1.0% of mass 198	868	0.89		Pass
198	Base peak, 100% relative abundance	97253	100.0		Pass
199	5.0 - 9.0% of mass 198	6791	6.98		Pass
275	10.0 - 30.0% of mass 198	26771	27.5		Pass
365	1.0 - 100.0% of mass 198	3604	3.71		Pass
441	Present, but less than mass 443	11500	11.8	(86.3) [b]	Pass
442	40.0 - 100.0% of mass 198	72365	74.4		Pass
443	17.0 - 23.0% of mass 442	13333	13.7	(18.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
E6P4055-ICC4055	6P513215.D	12/12/23	09:00	00:13	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23	09:22	00:35	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23	09:43	00:56	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23	10:05	01:18	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23	10:26	01:39	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23	10:48	02:01	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23	11:09	02:22	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23	11:30	02:43	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23	11:52	03:05	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	ECR224-DFTPP	**Injection Date:**	12/06/23
Lab File ID:	CR4921.D	**Injection Time:**	20:53
Instrument ID:	GCMSCR		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	13032	30.9		Pass
68	Less than 2.0% of mass 69	108	0.26	(0.83) [a]	Pass
69	Mass 69 relative abundance	13007	30.8		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	17494	41.4		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	42221	100.0		Pass
199	5.0 - 9.0% of mass 198	2782	6.59		Pass
275	10.0 - 30.0% of mass 198	10072	23.9		Pass
365	1.0 - 100.0% of mass 198	1163	2.75		Pass
441	Present, but less than mass 443	5676	13.4	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	36296	86.0		Pass
443	17.0 - 23.0% of mass 442	6970	16.5	(19.2) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR224-ICC224	CR4922.D	12/06/23	21:08	00:15	Initial cal 50
ECR224-IC224	CR4923.D	12/06/23	21:27	00:34	Initial cal 1
ECR224-IC224	CR4924.D	12/06/23	21:46	00:53	Initial cal 2
ECR224-IC224	CR4925.D	12/06/23	22:06	01:13	Initial cal 5
ECR224-IC224	CR4926.D	12/06/23	22:26	01:33	Initial cal 10
ECR224-IC224	CR4927.D	12/06/23	22:45	01:52	Initial cal 25
ECR224-IC224	CR4928.D	12/06/23	23:05	02:12	Initial cal 80
ECR224-IC224	CR4929.D	12/06/23	23:24	02:31	Initial cal 100
ECR224-ICV224	CR4933.D	12/07/23	00:44	03:51	Initial cal verification 50
ECR224-ICV224	CR4934.D	12/07/23	01:03	04:10	Initial cal verification 50
ECR224-ICV224	CR4935.D	12/07/23	01:23	04:30	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-DFTPP
Lab File ID: CR4936.D
Instrument ID: GCMSCR
Injection Date: 12/07/23
Injection Time: 03:13

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	15916	30.5		Pass
68	Less than 2.0% of mass 69	248	0.47	(1.56) [a]	Pass
69	Mass 69 relative abundance	15946	30.5		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	21830	41.8		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	52232	100.0		Pass
199	5.0 - 9.0% of mass 198	3611	6.91		Pass
275	10.0 - 30.0% of mass 198	12954	24.8		Pass
365	1.0 - 100.0% of mass 198	1488	2.85		Pass
441	Present, but less than mass 443	7415	14.2	(81.4) [b]	Pass
442	40.0 - 100.0% of mass 198	46949	89.9		Pass
443	17.0 - 23.0% of mass 442	9113	17.4	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR225-ICC225	CR4937.D	12/07/23	04:06	00:53	Initial cal 50
ECR225-IC225	CR4938.D	12/07/23	04:26	01:13	Initial cal 1
ECR225-IC225	CR4939.D	12/07/23	04:46	01:33	Initial cal 2
ECR225-IC225	CR4940.D	12/07/23	05:06	01:53	Initial cal 5
ECR225-IC225	CR4941.D	12/07/23	05:25	02:12	Initial cal 10
ECR225-IC225	CR4942.D	12/07/23	05:45	02:32	Initial cal 25
ECR225-IC225	CR4943.D	12/07/23	06:05	02:52	Initial cal 80
ECR225-IC225	CR4944.D	12/07/23	06:25	03:12	Initial cal 100
ECR225-ICV225	CR4945.D	12/07/23	06:45	03:32	Initial cal verification 50

Instrument Performance Check (DFTPP)

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	ECR227-DFTPP	**Injection Date:**	12/12/23
Lab File ID:	CR4951.D	**Injection Time:**	15:02
Instrument ID:	GCMSCR		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
51	30.0 - 60.0% of mass 198	11873	32.3		Pass
68	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
69	Mass 69 relative abundance	11818	32.2		Pass
70	Less than 2.0% of mass 69	0	0.00	(0.00) [a]	Pass
127	40.0 - 60.0% of mass 198	15796	43.0		Pass
197	Less than 1.0% of mass 198	0	0.00		Pass
198	Base peak, 100% relative abundance	36748	100.0		Pass
199	5.0 - 9.0% of mass 198	2461	6.70		Pass
275	10.0 - 30.0% of mass 198	9020	24.5		Pass
365	1.0 - 100.0% of mass 198	984	2.68		Pass
441	Present, but less than mass 443	4901	13.3	(79.6) [b]	Pass
442	40.0 - 100.0% of mass 198	31763	86.4		Pass
443	17.0 - 23.0% of mass 442	6154	16.7	(19.4) [c]	Pass

(a) Value is % of mass 69
(b) Value is % of mass 443
(c) Value is % of mass 442

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ECR227-ICV224	CR4952.D	12/12/23	15:15	00:13	Initial cal verification 10

Internal Standard Area Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: E6P4065-CC4054 **Injection Date:** 12/23/23
Lab File ID: 6P513455.D **Injection Time:** 20:42
Instrument ID: GCMS6P **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	133746	4.67	525775	5.38	276236	6.53	505958	7.72	453673	10.19	586129	11.59
Check Std [b]	141618	4.61	574504	5.32	293714	6.45	535920	7.63	544529	10.10	616139	11.48
Upper Limit [c]	283236	4.78	1149008	5.49	587428	6.62	1071840	7.80	1089058	10.27	1232278	11.65
Lower Limit [d]	70809	4.44	287252	5.15	146857	6.28	267960	7.46	272265	9.93	308070	11.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
OP51352-MB1	172976	4.61	698061	5.32	367961	6.45	653718	7.63	505172	10.10	548827	11.47
OP51352-BS1	183827	4.61	742094	5.32	384449	6.45	665853	7.63	588384	10.10	552254	11.47
OP51350-MB1	175555	4.61	714074	5.32	371986	6.45	671448	7.63	521281	10.10	540080	11.47
OP51350-BS1	167628	4.61	680329	5.32	348928	6.45	623185	7.63	541551	10.10	507667	11.47
ZZZZZZ	186363	4.61	768807	5.32	396700	6.45	703711	7.63	523520	10.10	536383	11.47
ZZZZZZ	183200	4.61	757381	5.32	393071	6.45	697515	7.63	523508	10.10	564185	11.48
ZZZZZZ	164280	4.61	670686	5.32	345431	6.45	621098	7.63	479723	10.10	489797	11.47
ZZZZZZ	173026	4.61	713057	5.32	372166	6.45	663630	7.63	506809	10.10	501122	11.47
ZZZZZZ	179439	4.61	732221	5.32	380035	6.45	672707	7.63	506177	10.10	512807	11.48
ZZZZZZ	187272	4.61	758173	5.32	390415	6.45	670534	7.63	510289	10.10	608446	11.48
OP51352-MS	187750	4.61	765833	5.33	390945	6.45	671434	7.64	539570	10.11	623737	11.49
OP51352-MSD	191215	4.61	778907	5.33	395947	6.45	687296	7.64	554329	10.11	642836	11.49
JD79233-2	177466	4.61	725492	5.33	375146	6.45	660579	7.64	538102	10.11	646088	11.49
OP51350-MS	176564	4.61	714559	5.33	362263	6.45	645927	7.64	598345	10.11	689235	11.50
OP51350-MSD	190584	4.61	758353	5.33	388305	6.45	663626	7.64	585859	10.11	696994	11.50
JD79126-1	188689	4.61	767152	5.33	387964	6.45	649263	7.64	594472	10.12	720161	11.51
ZZZZZZ	175117	4.61	707373	5.33	364497	6.46	640032	7.64	632803	10.12	731403	11.51
ZZZZZZ	187702	4.62	753635	5.33	388473	6.46	655541	7.65	670093	10.13	734501	11.52
OP51361-MS	228811	4.62	944010	5.33	492929	6.46	889470	7.65	814815	10.12	840919	11.51
OP51361-MSD	247366	4.62	1008956	5.33	508887	6.46	866093	7.65	753970	10.13	800154	11.52
JD79291-1	237996	4.62	955819	5.33	500038	6.46	885610	7.65	780582	10.13	854218	11.52

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: E6P4054-ICC4054 6P513202.D 12/12/23 02:46
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Internal Standard Area Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std: ECR239-CC224 **Injection Date:** 12/23/23
Lab File ID: CR5233.D **Injection Time:** 21:30
Instrument ID: GCMSCR **Method:** SW846 8270E

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
Initial Cal [a]	79800	4.93	304459	5.82	167571	7.17	303675	8.46	239473	11.00	272954	12.43
Check Std [b]	69449	4.90	254464	5.79	146357	7.13	280799	8.42	215436	10.96	281717	12.38
Upper Limit [c]	138898	5.07	508928	5.96	292714	7.30	561598	8.59	430872	11.13	563434	12.55
Lower Limit [d]	34725	4.73	127232	5.62	73179	6.96	140400	8.25	107718	10.79	140859	12.21

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT	IS 6 AREA	RT
ZZZZZZ	67421	4.90	254098	5.79	150052	7.13	280253	8.43	214866	10.98	241290	12.41
ZZZZZZ	64725	4.90	251278	5.79	147361	7.13	276475	8.43	208012	10.98	240316	12.41
ZZZZZZ	69630	4.90	250944	5.79	144555	7.14	268149	8.43	199011	10.99	243468	12.43
ZZZZZZ	66531	4.90	248585	5.79	143165	7.14	255288	8.44	191901	11.02	241927	12.46
ZZZZZZ	69695	4.90	261405	5.79	156451	7.14	293912	8.43	225732	10.98	243496	12.42
ZZZZZZ	66655	4.90	247564	5.80	139567	7.14	270375	8.43	190107	10.98	251859	12.42
ZZZZZZ	64587	4.90	234252	5.80	135739	7.14	257756	8.43	215177	10.98	238153	12.41
ZZZZZZ	63091	4.90	227415	5.80	133127	7.14	258951	8.43	217045	10.98	251140	12.42
ZZZZZZ	63448	4.90	244363	5.80	144567	7.14	279030	8.43	220715	10.98	226872	12.41
ZZZZZZ	65186	4.90	244750	5.80	146334	7.14	288470	8.43	236947	10.98	242485	12.41
ZZZZZZ	63193	4.90	241631	5.80	143681	7.14	277064	8.44	216028	10.98	221694	12.41
ZZZZZZ	60376	4.90	228799	5.80	130785	7.14	250598	8.44	215542	10.98	241852	12.41
JD79288-2	63375	4.90	223596	5.80	131207	7.14	255732	8.43	214760	10.98	229211	12.41
JD79288-1	65205	4.90	240701	5.80	141662	7.14	261307	8.43	211879	10.98	227142	12.41
ZZZZZZ	60161	4.90	229138	5.80	132532	7.14	260050	8.44	219903	10.98	170954	12.41
ZZZZZZ	58722	4.90	212743	5.80	128385	7.14	260082	8.43	195148	10.98	211391	12.41
ZZZZZZ	62864	4.90	233750	5.80	138688	7.14	247972	8.44	181817	11.01	189632	12.48
ZZZZZZ	55088	4.91	170226	5.81	116978	7.15	223337	8.45	184729	11.02	195780	12.49
ZZZZZZ	56173	4.91	195681	5.81	115254	7.15	214152	8.45	188596	11.01	204973	12.49
ZZZZZZ	55015	4.91	201560	5.81	111070	7.15	203521	8.45	176084	11.01	183014	12.46
ZZZZZZ	59911	4.91	242248	5.81	126646	7.15	240739	8.45	209471	11.01	214069	12.46
ZZZZZZ	60608	4.91	190614	5.82	102977	7.16	196393	8.46	273486	11.09	185710	12.53

IS 1 = 1,4-Dichlorobenzene-d4
IS 2 = Naphthalene-d8
IS 3 = Acenaphthene-D10
IS 4 = Phenanthrene-d10
IS 5 = Chrysene-d12
IS 6 = Perylene-d12

(a) Initial Cal is: ECR224-ICC224 CR4922.D 12/06/23 21:08
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.167 minutes.

Internal Standard Area Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	ECR239-CC224	**Injection Date:**	12/23/23
Lab File ID:	CR5233.D	**Injection Time:**	21:30
Instrument ID:	GCMSCR	**Method:**	SW846 8270E

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT	IS 3 AREA	IS 3 RT	IS 4 AREA	IS 4 RT	IS 5 AREA	IS 5 RT	IS 6 AREA	IS 6 RT

(d) Lower Limit = -50% of check standard area; Retention time -0.167 minutes.

Surrogate Recovery Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8270E **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4	S5	S6
JD79288-1	CR5250.D	47	51	70	48	55	62
JD79288-2	CR5249.D	49	52	80	51	58	67
OP51352-BS1	6P513459.D	74	78	88	77	70	84
OP51352-MB1	6P513458.D	62	65	62	62	58	82
OP51352-MS	6P513468.D	61	69	74	64	64	75
OP51352-MSD	6P513469.D	64	72	77	67	66	78

Surrogate Compounds	Recovery Limits
S1 = 2-Fluorophenol	10-99%
S2 = Phenol-d5	10-96%
S3 = 2,4,6-Tribromophenol	10-123%
S4 = Nitrobenzene-d5	10-109%
S5 = 2-Fluorobiphenyl	11-109%
S6 = Terphenyl-d14	10-120%

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Initial Calibration

Calibration Files
2 =6p513204.D 5 =6p513205.D 25 =6p513207.D 80 =6p513208.D
100 =6p513209.D 50 =6p513202.D 1 =6p513203.D 10 =6p513206.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.435	0.488	0.444	0.527	0.512	0.443	0.497	0.524	0.484	7.86
3) Pyridine	1.250	1.242	1.223	1.438	1.444	1.251	1.449	1.424	1.340	7.91
4) N-Nitrosodim	0.606	0.610	0.608	0.737	0.745	0.647	0.674	0.713	0.668	8.79
5) 2-Fluorophen	1.021	1.136	1.054	1.286	1.287	1.210	1.205	1.203	1.175	8.37
6) Indene	2.137	2.160	1.904	2.393	2.467	2.239	2.311	2.202	2.227	7.78
7) Cumene	2.810	2.868	2.556	3.148	3.135	2.928	3.058	2.919	2.928	6.63
8) Phenol-d5	1.397	1.446	1.284	1.574	1.609	1.500	1.549	1.446	1.476	7.17
9) Phenol	1.562	1.564	1.376	1.687	1.719	1.610	1.636	1.608	1.595	6.53
10) Aniline	1.815	1.888	1.663	2.050	2.100	2.032	2.024	1.967	1.942	7.51
11) bis(2-Chloro	1.218	1.248	1.083	1.291	1.335	1.268	1.344	1.287	1.259	6.54
12) 2-Chlorophen	1.266	1.295	1.181	1.520	1.557	1.387	1.400	1.377	1.373	9.16
13) Decane	1.688	1.725	1.511	1.914	1.907	1.775	1.872	1.709	1.763	7.69
14) 1,3-Dichloro	1.402	1.458	1.277	1.566	1.574	1.482	1.483	1.450	1.461	6.45
15) 1,4-Dichloro	1.436	1.477	1.296	1.591	1.603	1.488	1.646	1.499	1.505	7.40
16) Benzyl alcoh	0.820	0.810	0.704	0.888	0.933	0.870	0.874	0.826	0.841	8.16
17) 1,2-Dichloro	1.373	1.370	1.218	1.488	1.513	1.410	1.475	1.407	1.407	6.62
18) Acetophenone	1.805	1.827	1.555	1.953	2.072	1.890	2.041	1.902	1.881	8.59
19) 2-Methylphen	1.093	1.121	0.983	1.198	1.251	1.167	1.246	1.155	1.152	7.62
20) 2,2'-oxybis(	0.385	0.383	0.332	0.417	0.435	0.395	0.431	0.390	0.396	8.31
21) 3&4-Methylph	1.193	1.166	1.045	1.319	1.375	1.273	1.297	1.241	1.239	8.33
22) n-Nitroso-di	0.890	0.883	0.753	0.990	1.072	0.961	1.023	0.933	0.938	10.50
23) Hexachloroet	0.490	0.460	0.415	0.517	0.523	0.489	0.483	0.476	0.482	7.05
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.309	0.317	0.300	0.365	0.367	0.343	0.351	0.320	0.334	7.76
26) Nitrobenzene	0.319	0.325	0.297	0.364	0.369	0.344	0.323	0.334	0.334	7.18
27) Quinoline	0.581	0.577	0.515	0.618	0.640	0.607	0.667	0.620	0.603	7.65
28) Isophorone	0.589	0.581	0.524	0.640	0.673	0.643	0.637	0.613	0.613	7.67
29) 2-Nitropheno	0.149	0.159	0.151	0.207	0.215	0.187	0.158	0.166	0.174	14.82
30) 2,4-Dimethyl	0.304	0.316	0.285	0.357	0.363	0.338	0.340	0.323	0.328	8.09
31) Benzoic acid		0.190	0.199	0.261	0.270	0.242		0.233	0.232	13.98
32) bis(2-Chloro	0.368	0.372	0.335	0.407	0.417	0.399	0.406	0.385	0.386	7.00
33) 2,4-Dichloro	0.254	0.258	0.233	0.292	0.297	0.272	0.256	0.260	0.265	7.87
34) 2,6-Dichloro	0.260	0.246	0.232	0.300	0.309	0.275	0.267	0.256	0.268	9.64
35) 1,3,5-Trichl	0.306	0.299	0.281	0.352	0.355	0.315	0.324	0.304	0.317	8.09
36) 1,2,4-Trichl	0.282	0.288	0.259	0.318	0.320	0.294	0.317	0.288	0.296	7.26
37) 1,2,3-Trichl	0.284	0.280	0.250	0.303	0.303	0.285	0.310	0.283	0.287	6.54
38) Naphthalene	0.984	0.995	0.878	1.075	1.090	1.012	1.031	0.990	1.007	6.46
39) 4-Chloroanil	0.379	0.379	0.357	0.462	0.475	0.424	0.401	0.396	0.409	10.22
40) 2,3-Dichloro	0.291	0.290	0.260	0.337	0.356	0.319	0.330	0.306	0.311	9.88
41) Hydroquinone	0.241	0.233	0.221	0.280	0.287	0.272	0.352	0.253	0.267	15.38
42) Hexachlorobu	0.164	0.162	0.141	0.178	0.179	0.167	0.167	0.160	0.165	7.25
43) 4-Chloro-3-m	0.246	0.250	0.223	0.277	0.282	0.273	0.273	0.260	0.261	7.66
44) 2-Methylnaph	0.548	0.549	0.502	0.618	0.644	0.587	0.620	0.571	0.580	8.06
45) 1-Methylnaph	0.582	0.572	0.508	0.642	0.666	0.578	0.624	0.589	0.595	8.22

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

```
46) I   Acenaphthene-d10      ----------------ISTD---------------------
47) Hexachlorocy       0.240 0.243 0.331 0.341 0.297       0.248 0.283  16.22
            ---- Quadratic regression ----  Coefficient =  0.9991
              Response Ratio = -0.00114 + 0.23412 *A + 0.02250 *A^2

48) 1,2,4,5-tetr 0.546 0.573 0.511 0.617 0.621 0.566 0.592 0.556 0.573   6.41
49) 2,4,6-Trichl 0.333 0.364 0.327 0.417 0.440 0.387 0.368 0.367 0.375  10.22
50) 2,4,5-Trichl 0.353 0.371 0.355 0.424 0.413 0.384 0.420 0.387 0.388   7.25
51) 2-Fluorobiph 1.320 1.374 1.217 1.476 1.487 1.381 1.502 1.366 1.390   6.93
52) 2-Chloronaph 1.117 1.162 1.019 1.217 1.218 1.128 1.187 1.137 1.148   5.65
53) Biphenyl     1.488 1.513 1.374 1.673 1.697 1.540 1.589 1.541 1.552   6.65
54) 2-Nitroanili 0.284 0.288 0.278 0.357 0.364 0.341 0.323 0.298 0.317  10.79
55) Dimethylphth 1.225 1.259 1.114 1.348 1.384 1.313 1.360 1.302 1.288   6.82
56) Acenaphthyle 1.358 1.416 1.278 1.571 1.588 1.471 1.506 1.432 1.453   7.21
57) 2,6-Dinitrot 0.192 0.214 0.217 0.289 0.293 0.275 0.238 0.236 0.244  15.43
58) 3-Nitroanili 0.239 0.253 0.261 0.338 0.347 0.312 0.261 0.288 0.287  14.20
59) Acenaphthene 1.241 1.258 1.146 1.420 1.453 1.312 1.349 1.294 1.309   7.57
60) 2,4-Dinitrop 0.075 0.096 0.119 0.194 0.201 0.176       0.126 0.141  35.11
            ---- Quadratic regression ----  Coefficient =  0.9971
              Response Ratio = -0.00642 + 0.12539 *A + 0.01637 *A^2

61) 4-Nitropheno 0.129 0.130 0.138 0.182 0.186 0.170 0.150 0.156 0.155  14.46
62) Dibenzofuran 1.552 1.603 1.429 1.767 1.837 1.618 1.769 1.620 1.649   8.11
63) 2,4-Dinitrot 0.260 0.293 0.298 0.405 0.435 0.380 0.290 0.324 0.336  18.76
64) 2,3,4,6-Tetr 0.294 0.316 0.281 0.359 0.366 0.347 0.355 0.317 0.329   9.63
65) Diethylphtha 1.203 1.194 1.095 1.380 1.435 1.333 1.368 1.290 1.287   8.90
66) Fluorene     1.227 1.290 1.135 1.454 1.499 1.345 1.385 1.289 1.328   8.96
67) 4-Chlorophen 0.587 0.589 0.518 0.657 0.680 0.615 0.673 0.606 0.615   8.74
68) 4-Nitroanili 0.259 0.264 0.270 0.340 0.346 0.320 0.259 0.302 0.295  12.39

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.084 0.095 0.132 0.140 0.126       0.091 0.111  21.75
            ---- Quadratic regression ----  Coefficient =  0.9982
              Response Ratio = -0.00292 + 0.09941 *A + 0.01721 *A^2

71) n-Nitrosodip 0.555 0.646 0.537 0.647 0.670 0.606 0.623 0.583 0.609   7.72
72) 1,2-Diphenyl 0.672 0.769 0.646 0.766 0.798 0.725 0.704 0.708 0.723   7.16
73) pentachloron 0.028 0.036 0.032 0.044 0.046 0.041       0.036 0.038# 17.33
74) 2,4,6-Tribro 0.088 0.110 0.088 0.109 0.113 0.104 0.094 0.095 0.100  10.02
75) 4-Bromopheny 0.165 0.206 0.164 0.201 0.211 0.195 0.198 0.186 0.191   9.39
76) Hexachlorobe 0.233 0.254 0.206 0.248 0.256 0.237 0.247 0.229 0.239   6.95
77) Pentachlorop 0.125 0.147 0.131 0.181 0.195 0.167       0.139 0.155  16.98
78) Phenanthrene 1.021 1.005 0.909 1.112 1.158 1.062 1.150 1.038 1.057   7.85
79) Anthracene   0.999 0.980 0.919 1.136 1.181 1.073 1.093 1.042 1.053   8.15
80) Carbazole    0.894 0.915 0.832 1.035 1.074 0.996 0.974 0.945 0.958   8.20
81) Di-n-butylph 1.007 1.014 0.997 1.290 1.386 1.245 1.162 1.132 1.154  12.54
82) Fluoranthene 0.876 0.987 0.952 1.243 1.309 1.114 1.051 1.091 1.078  13.47
83) Octadecane   0.474 0.528 0.447 0.563 0.591 0.536 0.505 0.472 0.514   9.56

84) I   Chrysene-d12          ----------------ISTD---------------------
85) benzidine    0.381 0.420 0.442 0.659       0.570       0.443 0.486  21.80
            ---- Quadratic regression ----  Coefficient =  0.9993
              Response Ratio = 0.00067 + 0.38164 *A + 0.13973 *A^2

86) Pyrene       1.214 1.252 1.115 1.216 1.257 1.301 1.318 1.224 1.237   5.05
87) Terphenyl-d1 0.927 0.990 0.863 0.957 1.009 0.973 0.972 0.971 0.958   4.72
88) Butylbenzylp 0.425 0.462 0.444 0.532 0.552 0.535 0.487 0.484 0.490   9.43
89) Benzo[a]anth 1.185 1.196 1.100 1.274 1.273 1.225 1.373 1.238 1.233   6.44
90) 3,3'-Dichlor 0.361 0.383 0.388 0.482 0.478 0.452 0.426 0.419 0.424  10.60
```

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICC4054
Lab FileID: 6P513202.D

```
 91) Chrysene     1.131 1.161 1.027 1.158 1.147 1.113 1.254 1.174 1.146   5.55
 92) bis(2-Ethylh 0.704 0.727 0.724 0.878 0.906 0.877 0.881 0.813 0.814  10.25

 93) I   Perylene-d12          ----------------ISTD--------------------
 94) Di-n-octylph 0.827 0.877 0.934 1.223       1.103 0.908 1.032 0.986  14.23
 95) Benzo[b]fluo 1.008 1.036 1.019 1.353 1.365 1.216 1.129 1.149 1.159  12.28
 96) Benzo[k]fluo 0.949 0.968 0.899 1.072 1.174 1.023 1.013 0.988 1.011   8.30
 97) Benzo[a]pyre 0.821 0.864 0.805 1.020 1.055 0.941 1.052 0.898 0.932  10.85
 98) Indeno[1,2,3 1.174 1.210 1.131 1.400 1.380 1.281 1.502 1.178 1.282  10.31
 99) Dibenz(a,h)a 0.819 0.869 0.809 1.022 1.003 0.930 1.054 0.855 0.920  10.44
100) Dibenz[a,h]a 1.048 1.068 0.998 1.237 1.238 1.126 1.302 1.048 1.133   9.85
101) 7,12-Dimethy 0.353 0.368 0.373 0.509 0.543 0.475       0.411 0.433  17.44
102) Benzo[g,h,i] 1.084 1.076 0.986 1.179 1.152 1.097 1.285 1.032 1.111   8.37


 ------------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

           M6P4054.M         Sat Dec 16 09:23:58 2023
```

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513210.D Vial: 11
Acq On : 12 Dec 2023 5:45 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	4.67
2	t	1,4-Dioxane	0.484	0.557	-15.1	109	0.00	2.96
6	t	Indene	2.227	2.520	-13.2	98	0.00	4.81
7	t	Cumene	2.928	3.325	-13.6	99	0.00	4.23
11	t	bis(2-Chloroethyl)ether	1.259	1.376	-9.3	94	0.00	4.51
13	t	Decane	1.763	1.965	-11.5	96	0.00	4.55
14	t	1,3-Dichlorobenzene	1.461	1.657	-13.4	97	0.00	4.64
15	t	1,4-Dichlorobenzene	1.505	1.687	-12.1	99	0.00	4.68
16	t	Benzyl alcohol	0.841	0.918	-9.2	92	0.00	4.74
17	t	1,2-Dichlorobenzene	1.407	1.571	-11.7	97	0.00	4.76
18	t	Acetophenone	1.881	1.972	-4.8	91	0.00	4.89
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.435	-9.8	96	0.00	4.80
23	t	Hexachloroethane	0.482	0.545	-13.1	97	0.00	4.95
24	I	Naphthalene-d8	1.000	1.000	0.0	83	0.00	5.38
26	t	Nitrobenzene	0.334	0.380	-13.8	92	0.00	4.98
27	t	Quinoline	0.603	0.683	-13.3	94	-0.02	5.60
28	t	Isophorone	0.613	0.700	-14.2	90	-0.01	5.11
32	t	bis(2-Chloroethoxy)methan	0.386	0.430	-11.4	90	0.00	5.22
35		1,3,5-Trichlorobenzene	0.317	0.361	-13.9	95	0.00	5.15
36	t	1,2,4-Trichlorobenzene	0.296	0.340	-14.9	96	0.00	5.34
37		1,2,3-Trichlorobenzene	0.287	0.323	-12.5	94	0.00	5.48
38	t	Naphthalene	1.007	1.151	-14.3	95	0.00	5.39
40	t	2,3-Dichloroaniline	0.311	0.328	-5.5	85	0.00	6.00
42	t	Hexachlorobutadiene	0.165	0.189	-14.5	94	0.00	5.45
44	t	2-Methylnaphthalene	0.580	0.652	-12.4	92	0.00	5.82
45	t	1-Methylnaphthalene	0.595	0.639	-7.4	92	0.00	5.88
46	I	Acenaphthene-d10	1.000	1.000	0.0	77	0.00	6.53
		----------	True	Calc.	% Drift	----------		
47	t	Hexachlorocyclopentadiene	100.000	121.846	-21.8	95	0.00	5.90
		----------	AvgRF	CCRF	% Dev	----------		
48		1,2,4,5-tetrachlorobenzen	0.573	0.669	-16.8	91	0.00	5.92
52	t	2-Chloronaphthalene	1.148	1.344	-17.1	91	0.00	6.14
53	t	Biphenyl	1.552	1.804	-16.2	90	0.00	6.12
55	t	Dimethylphthalate	1.288	1.450	-12.6	85	0.00	6.32
56	t	Acenaphthylene	1.453	1.701	-17.1	89	0.00	6.43

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513210.D

57	t	2,6-Dinitrotoluene	0.244	0.293	-20.1	82	0.00	6.37
59	t	Acenaphthene	1.309	1.527	-16.7	89	0.00	6.55
		----------	AvgRF	CCRF	% Dev	----------		
62	t	Dibenzofuran	1.649	1.872	-13.5	89	0.00	6.68
63	t	2,4-Dinitrotoluene	0.336	0.381	-13.4	77	0.00	6.66
65	t	Diethylphthalate	1.287	1.459	-13.4	84	-0.01	6.83
66	t	Fluorene	1.328	1.531	-15.3	87	0.00	6.94
67	t	4-Chlorophenyl-phenylethe	0.615	0.693	-12.7	86	0.00	6.93
69	I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00	7.72
		----------	AvgRF	CCRF	% Dev	----------		
72	t	1,2-Diphenylhydrazine	0.723	0.844	-16.7	85	0.00	7.06
73		pentachloronitrobenzene	0.038	0.043#	-13.2	78	0.00	7.54
75	t	4-Bromophenyl-phenylether	0.191	0.223	-16.8	83	0.00	7.33
76	t	Hexachlorobenzene	0.239	0.269	-12.6	83	0.00	7.37
78	t	Phenanthrene	1.057	1.216	-15.0	83	0.00	7.74
79	t	Anthracene	1.053	1.219	-15.8	83	0.00	7.79
80	t	Carbazole	0.958	1.120	-16.9	82	0.00	7.92
81	t	Di-n-butylphthalate	1.154	1.350	-17.0	79	0.00	8.22
82	t	Fluoranthene	1.078	1.291	-19.8	84	0.00	8.82
83	t	Octadecane	0.514	0.609	-18.5	83	0.00	7.58
84	I	Chrysene-d12	1.000	1.000	0.0	77	0.00	10.19
		----------	AvgRF	CCRF	% Dev	----------		
86	t	Pyrene	1.237	1.415	-14.4	83	0.00	9.03
88	t	Butylbenzylphthalate	0.490	0.593	-21.0	85	0.00	9.64
89	t	Benzo[a]anthracene	1.233	1.401	-13.6	88	0.00	10.18
91	t	Chrysene	1.146	1.333	-16.3	92	0.00	10.21
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.953	-17.1	83	0.00	10.19
93	I	Perylene-d12	1.000	1.000	0.0	73	0.00	11.58
94	t	Di-n-octylphthalate	0.986	1.261	-27.9	84	0.00	10.80
95	t	Benzo[b]fluoranthene	1.159	1.345	-16.0	81	0.00	11.19
96	t	Benzo[k]fluoranthene	1.011	1.235	-22.2	88	0.00	11.22
97	t	Benzo[a]pyrene	0.932	1.098	-17.8	86	0.00	11.52
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.565	-22.1	90	0.00	12.87
99	t	Dibenz(a,h)acridine	0.920	1.122	-22.0	88	0.00	12.56
100	t	Dibenz[a,h]anthracene	1.133	1.372	-21.1	89	0.00	12.90
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.510	-17.8	79	0.00	11.18
102	t	Benzo[g,h,i]perylene	1.111	1.341	-20.7	90	0.00	13.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:19 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513211.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513211.D Vial: 12
Acq On : 12 Dec 2023 6:07 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	4.67
9 t	Phenol	1.595	1.533	3.9	95	0.00	4.45
12 t	2-Chlorophenol	1.373	1.338	2.5	97	0.00	4.55
19 t	2-Methylphenol	1.152	1.125	2.3	97	0.00	4.78
21 t	3&4-Methylphenol	1.239	1.254	-1.2	99	0.00	4.87
24 I	Naphthalene-d8	1.000	1.000	0.0	100	0.00	5.38
29 t	2-Nitrophenol	0.174	0.173	0.6	92	0.00	5.16
30 t	2,4-Dimethylphenol	0.328	0.330	-0.6	97	0.00	5.16
31 t	Benzoic acid	0.232	0.244	-5.2	100	0.00	5.26
33 t	2,4-Dichlorophenol	0.265	0.263	0.8	96	0.00	5.28
34 t	2,6-Dichlorophenol	0.268	0.265	1.1	96	0.00	5.42
41 t	Hydroquinone	0.267	0.284	-6.4	104	0.00	5.66
43 t	4-Chloro-3-methylphenol	0.261	0.258	1.1	94	0.00	5.70
46 I	Acenaphthene-d10	1.000	1.000	0.0	93	0.00	6.53
	----------	AvgRF	CCRF	% Dev	----------		
49 t	2,4,6-Trichlorophenol	0.375	0.408	-8.8	98	0.00	5.99
50 t	2,4,5-Trichlorophenol	0.388	0.378	2.6	91	0.00	6.02
	----------	True	Calc.	% Drift	----------		
60 t	2,4-Dinitrophenol	100.000	102.318	-2.3	89	0.00	6.57
	----------	AvgRF	CCRF	% Dev	----------		
61 t	4-Nitrophenol	0.155	0.172	-11.0	94	0.00	6.59
64	2,3,4,6-Tetrachlorophenol	0.329	0.346	-5.2	92	0.00	6.76
69 I	Phenanthrene-d10	1.000	1.000	0.0	95	0.00	7.72
	----------	True	Calc.	% Drift	----------		
70 t	4,6-Dinitro-2-methylpheno	50.000	49.385	1.2	88	-0.01	6.97
77 t	Pentachlorophenol	0.155	0.161	-3.9	92	0.00	7.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:23 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4054-ICV4054
Lab FileID: 6P513212.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4054\6p513212.D Vial: 13
Acq On : 12 Dec 2023 6:29 am Operator: rocquans
Sample : icv4054-50 Inst : GCMS6P
Misc : op50594,e6p4054,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 09:05:44 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	4.67
3 t	Pyridine	1.340	1.316	1.8	114	0.00	3.19
4 t	N-Nitrosodimethylamine	0.668	0.696	-4.2	117	0.00	3.16
10	Aniline	1.942	1.977	-1.8	106	0.00	4.49
22 t	n-Nitroso-di-n-propylamin	0.938	0.904	3.6	102	-0.01	4.88
24 I	Naphthalene-d8	1.000	1.000	0.0	110	0.00	5.38
39 t	4-Chloroaniline	0.409	0.398	2.7	103	0.00	5.42
46 I	Acenaphthene-d10	1.000	1.000	0.0	104	0.00	6.53
54 t	2-Nitroaniline	0.317	0.322	-1.6	99	0.00	6.21
58 t	3-Nitroaniline	0.287	0.315	-9.8	106	-0.01	6.50
68 t	4-Nitroaniline	0.295	0.297	-0.7	97	-0.01	6.96
69 I	Phenanthrene-d10	1.000	1.000	0.0	104	0.00	7.72
	---------- True Calc. % Drift ----------						
	---------- AvgRF CCRF % Dev ----------						
71 t	n-Nitrosodiphenylamine	0.609	0.620	-1.8	106	0.00	7.02
84 I	Chrysene-d12	1.000	1.000	0.0	94	0.00	10.18
	---------- True Calc. % Drift ----------						
85	benzidine	50.000	64.151	-28.3	129	0.00	8.95
90 t	3,3'-Dichlorobenzidine	0.424	0.492	-16.0	102	0.00	10.16

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513202.D M6P4054.M Sat Dec 16 09:24:27 2023

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICC4055
Lab FileID: 6P513215.D

Response Factor Report GCMS6P

Method : C:\msdchem\1\methods\M6P4055.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Initial Calibration

Calibration Files
2 =6p513217.D 5 =6p513219.D 25 =6p513218.D 80 =6p513222.D
100 =6p513221.D 50 =6p513215.D 1 =6p513216.D 10 =6p513220.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
103) 1,4-Dichlorobenzene-d	ISTD								
104) Benzaldehyde	1.254	1.009	1.016	1.103	1.404	1.109	0.924	1.038	1.107 13.91
105) Phenanthrene-d10a	ISTD								
106) Atrazine	0.095	0.070	0.080	0.092	0.117	0.090	0.076	0.069	0.086 18.28
107) I Naphthalene-d8a	ISTD								
108) Caprolactam	0.164	0.115	0.125	0.138	0.171	0.136	0.103	0.116	0.134 17.96
109) Phenanthrene-d10b	ISTD								
110) 1-chloroocta	0.271	0.241	0.290	0.336		0.319	0.222	0.237	0.274 15.91
111) o-terphenyl	0.595	0.483	0.503	0.577	0.741	0.552	0.461	0.434	0.543 18.04

(#) = Out of Range ### Number of calibration levels exceeded format ###

M6P4054.M Sat Dec 16 10:28:35 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4055-ICV4055
Lab FileID: 6P513223.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\E6P4055\6p513223.D Vial: 10
Acq On : 12 Dec 2023 11:52 am Operator: kaleigh
Sample : icv4055-50 Inst : GCMS6P
Misc : op50594,e6p4055,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : C:\msdchem\1\methods\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Sat Dec 16 10:11:38 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.67
104	Benzaldehyde	1.107	1.124	-1.5	96	0.00	4.44
105	Phenanthrene-d10a	1.000	1.000	0.0	100	0.00	7.71
106	Atrazine	0.086	0.090	-4.7	101	0.00	7.45
107 I	Naphthalene-d8a	1.000	1.000	0.0	96	0.00	5.38
108 T	Caprolactam	0.134	0.140	-4.5	99	0.00	5.65

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513215a.D M6P4054.M Sat Dec 16 10:28:52 2023

7.7.6

7

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4065\6p513455.d Vial: 2
Acq On : 23 Dec 2023 8:42 pm Operator: rocquans
Sample : cc4054-50 Inst : GCMS6P
Misc : op50815,e6p4065,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Mon Dec 25 12:45:19 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00	4.61
2	t	1,4-Dioxane	0.484	0.525	-8.5	126	0.00	2.82
3	t	Pyridine	1.340	1.449	-8.1	123	0.00	3.06
4	t	N-Nitrosodimethylamine	0.668	0.751	-12.4	123	0.00	3.04
5	S	2-Fluorophenol	1.175	1.236	-5.2	108	0.00	3.87
6	t	Indene	2.227	2.401	-7.8	114	0.00	4.75
7	t	Cumene	2.928	3.137	-7.1	113	0.00	4.16
8	S	Phenol-d5	1.476	1.618	-9.6	114	0.00	4.39
9	t	Phenol	1.595	1.740	-9.1	114	0.00	4.39
10		Aniline	1.942	2.115	-8.9	110	0.00	4.43
11	t	bis(2-Chloroethyl)ether	1.259	1.374	-9.1	115	0.00	4.46
12	t	2-Chlorophenol	1.373	1.494	-8.8	114	0.00	4.49
13	t	Decane	1.763	2.231	-26.5#	133	0.00	4.49
14	t	1,3-Dichlorobenzene	1.461	1.490	-2.0	106	0.00	4.58
15	t	1,4-Dichlorobenzene	1.505	1.534	-1.9	109	0.00	4.62
16	t	Benzyl alcohol	0.841	0.900	-7.0	110	0.00	4.68
17	t	1,2-Dichlorobenzene	1.407	1.430	-1.6	107	0.00	4.70
18	t	Acetophenone	1.881	2.024	-7.6	113	0.00	4.83
19	t	2-Methylphenol	1.152	1.264	-9.7	115	0.00	4.73
20	t	2,2'-oxybis(1-Chloropropa	0.396	0.420	-6.1	112	0.00	4.75
21	t	3&4-Methylphenol	1.239	1.406	-13.5	117	0.00	4.82
22	t	n-Nitroso-di-n-propylamin	0.938	1.132	-20.7#	125	0.00	4.83
23	t	Hexachloroethane	0.482	0.477	1.0	103	0.00	4.89
24	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00	5.32
25	S	Nitrobenzene-d5	0.334	0.376	-12.6	120	0.00	4.92
26	t	Nitrobenzene	0.334	0.374	-12.0	119	0.00	4.93
27	t	Quinoline	0.603	0.609	-1.0	110	0.00	5.55
28	t	Isophorone	0.613	0.670	-9.3	114	0.00	5.06
29	t	2-Nitrophenol	0.174	0.198	-13.8	115	0.00	5.11
30	t	2,4-Dimethylphenol	0.328	0.360	-9.8	117	0.00	5.11
31	t	Benzoic acid	0.232	0.204	12.1	92	0.00	5.19
32	t	bis(2-Chloroethoxy)methan	0.386	0.411	-6.5	113	0.00	5.16
33	t	2,4-Dichlorophenol	0.265	0.268	-1.1	108	0.00	5.23
34	t	2,6-Dichlorophenol	0.268	0.276	-3.0	110	0.00	5.36
35		1,3,5-Trichlorobenzene	0.317	0.315	0.6	109	0.00	5.10
36	t	1,2,4-Trichlorobenzene	0.296	0.285	3.7	106	0.00	5.28
37		1,2,3-Trichlorobenzene	0.287	0.271	5.6	104	0.00	5.41
38	t	Naphthalene	1.007	1.027	-2.0	111	0.00	5.34
39	t	4-Chloroaniline	0.409	0.425	-3.9	110	0.00	5.36
40	t	2,3-Dichloroaniline	0.311	0.319	-2.6	109	0.00	5.93
41	t	Hydroquinone	0.267	0.250	6.4	101	0.00	5.55

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

42	t	Hexachlorobutadiene	0.165	0.155	6.1	102	0.00	5.38
43	t	4-Chloro-3-methylphenol	0.261	0.284	-8.8	113	0.00	5.64
44	t	2-Methylnaphthalene	0.580	0.600	-3.4	112	0.00	5.75
45	t	1-Methylnaphthalene	0.595	0.622	-4.5	118	0.00	5.81
46	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00	6.45
			True	Calc.	% Drift			
47	t	Hexachlorocyclopentadiene	100.000	103.907	-3.9	109	0.00	5.83
			AvgRF	CCRF	% Dev			
48		1,2,4,5-tetrachlorobenzen	0.573	0.543	5.2	102	0.00	5.85
49	t	2,4,6-Trichlorophenol	0.375	0.371	1.1	102	0.00	5.92
50	t	2,4,5-Trichlorophenol	0.388	0.387	0.3	107	0.00	5.95
51	S	2-Fluorobiphenyl	1.390	1.393	-0.2	107	0.00	5.98
52	t	2-Chloronaphthalene	1.148	1.140	0.7	108	0.00	6.07
53	t	Biphenyl	1.552	1.583	-2.0	109	0.00	6.05
54	t	2-Nitroaniline	0.317	0.397	-25.2#	124	0.00	6.14
55	t	Dimethylphthalate	1.288	1.283	0.4	104	0.00	6.25
56	t	Acenaphthylene	1.453	1.515	-4.3	109	0.00	6.35
57	t	2,6-Dinitrotoluene	0.244	0.275	-12.7	106	0.00	6.30
58	t	3-Nitroaniline	0.287	0.316	-10.1	108	0.00	6.43
59	t	Acenaphthene	1.309	1.388	-6.0	112	0.00	6.48
			True	Calc.	% Drift			
60	t	2,4-Dinitrophenol	100.000	112.397	-12.4	115	0.00	6.50
			AvgRF	CCRF	% Dev			
61	t	4-Nitrophenol	0.155	0.180	-16.1	113	0.00	6.52
62	t	Dibenzofuran	1.649	1.672	-1.4	110	0.00	6.60
63	t	2,4-Dinitrotoluene	0.336	0.391	-16.4	110	0.00	6.59
64		2,3,4,6-Tetrachlorophenol	0.329	0.325	1.2	100	0.00	6.68
65	t	Diethylphthalate	1.287	1.364	-6.0	109	0.00	6.75
66	t	Fluorene	1.328	1.380	-3.9	109	0.00	6.86
67	t	4-Chlorophenyl-phenylethe	0.615	0.594	3.4	103	0.00	6.84
68	t	4-Nitroaniline	0.295	0.296	-0.3	99	0.00	6.89
69	I	Phenanthrene-d10	1.000	1.000	0.0	106	0.00	7.63
			True	Calc.	% Drift			
70	t	4,6-Dinitro-2-methylpheno	50.000	54.687	-9.4	111	0.00	6.90
			AvgRF	CCRF	% Dev			
71	t	n-Nitrosodiphenylamine	0.609	0.622	-2.1	109	0.00	6.94
72	t	1,2-Diphenylhydrazine	0.723	0.853	-18.0	125	0.00	6.97
73		pentachloronitrobenzene	0.038	0.042#	-10.5	110	0.00	7.46
74	S	2,4,6-Tribromophenol	0.100	0.113	-13.0	114	0.00	7.05
75	t	4-Bromophenyl-phenylether	0.191	0.195	-2.1	106	0.00	7.24
76	t	Hexachlorobenzene	0.239	0.227	5.0	101	0.00	7.29
77	t	Pentachlorophenol	0.155	0.160	-3.2	102	0.00	7.45
78	t	Phenanthrene	1.057	1.078	-2.0	108	0.00	7.65
79	t	Anthracene	1.053	1.087	-3.2	107	0.00	7.69
80	t	Carbazole	0.958	0.988	-3.1	105	0.00	7.84
81	t	Di-n-butylphthalate	1.154	1.292	-12.0	110	0.00	8.12
82	t	Fluoranthene	1.078	1.157	-7.3	110	0.00	8.73
83	t	Octadecane	0.514	0.658	-28.0#	130	0.00	7.48
84	I	Chrysene-d12	1.000	1.000	0.0	120	0.00	10.10
			True	Calc.	% Drift			

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4054
Lab FileID: 6P513455.D

85		benzidine	50.000	57.419	-14.8	141	0.00	8.86
			AvgRF	CCRF	% Dev			
86	t	Pyrene	1.237	1.206	2.5	111	0.00	8.94
87	S	Terphenyl-d14	0.958	0.925	3.4	114	0.00	9.08
88	t	Butylbenzylphthalate	0.490	0.545	-11.2	122	0.00	9.55
89	t	Benzo[a]anthracene	1.233	1.282	-4.0	126	0.00	10.09
90	t	3,3'-Dichlorobenzidine	0.424	0.436	-2.8	116	0.00	10.07
91	t	Chrysene	1.146	1.108	3.3	120	0.00	10.12
92	t	bis(2-Ethylhexyl)phthalat	0.814	0.955	-17.3	131	0.00	10.09
93	I	Perylene-d12	1.000	1.000	0.0	105	0.00	11.48
94	t	Di-n-octylphthalate	0.986	1.259	-27.7#	120	0.00	10.70
95	t	Benzo[b]fluoranthene	1.159	1.269	-9.5	110	0.00	11.09
96	t	Benzo[k]fluoranthene	1.011	1.012	-0.1	104	0.00	11.12
97	t	Benzo[a]pyrene	0.932	0.949	-1.8	106	0.00	11.42
98	t	Indeno[1,2,3-cd]pyrene	1.282	1.280	0.2	105	0.00	12.72
99	t	Dibenz(a,h)acridine	0.920	0.925	-0.5	105	0.00	12.42
100	t	Dibenz[a,h]anthracene	1.133	1.138	-0.4	106	0.00	12.74
101	t	7,12-Dimethylbenz(a)anthr	0.433	0.462	-6.7	102	0.00	11.08
102	t	Benzo[g,h,i]perylene	1.111	1.068	3.9	102	0.00	13.09

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513456.d M6P4054.M Mon Dec 25 12:45:31 2023

7.2.7

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: E6P4065-CC4055
Lab FileID: 6P513456.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\...am\e6p4065\6p513456.d Vial: 3
Acq On : 23 Dec 2023 9:02 pm Operator: rocquans
Sample : cc4055-50 Inst : GCMS6P
Misc : op50815,e6p4065,1000,,,1,1 Multiplr: 1.00
MS Integration Params: lscint.p

Method : X:\Dayton SVOA G...method\M6P4054.M (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuThu Sep 14 16:02:13 2023
Last Update : Mon Dec 25 12:45:19 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	167	0.00	4.61
104	Benzaldehyde	1.107	1.142	-3.2	172	0.00	4.37
105	Phenanthrene-d10a	1.000	1.000	0.0	188	0.00	7.63
106	Atrazine	0.086	0.095	-10.5	200	0.00	7.37
107 I	Naphthalene-d8a	1.000	1.000	0.0	174	0.00	5.32
108 T	Caprolactam	0.134	0.170	-26.9#	218#	0.00	5.58
109	Phenanthrene-d10b	1.000	1.000	0.0	188	0.00	7.63
110 s	1-chlorooctadecane	0.274	0.429	-56.6#	253#	0.00	8.58
111 s	o-terphenyl	0.543	0.577	-6.3	196	0.00	7.95

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6p513456.d M6P4054.M Mon Dec 25 12:45:33 2023

7.7.8

7

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

Response Factor Report GCMSCR

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Initial Calibration

Calibration Files
2 =cr4924.D 5 =cr4925.D 25 =cr4927.D 80 =cr4928.D
100 =cr4929.D 50 =cr4922.D 1 =cr4923.D 10 =cr4926.D

Compound	2	5	25	80	100	50	1	10	Avg	%RSD
1) I 1,4-Dichlorobenzene-d	ISTD									
2) 1,4-Dioxane	0.686	0.623	0.535	0.609	0.599	0.608	0.620	0.607	0.611	6.72
3) Pyridine	1.624	1.655	1.471	1.690	1.672	1.688	1.651	1.693	1.643	4.47
4) N-Nitrosodim	0.760	0.807	0.746	0.856	0.851	0.854	0.738	0.843	0.807	6.38
5) 2-Fluorophen	1.293	1.323	1.180	1.326	1.318	1.329	1.314	1.376	1.308	4.33
6) Indene	2.377	2.424	1.992	1.946	1.855	2.102	2.423	2.435	2.194	11.20
7) Cumene	3.170	3.212	2.712	2.823	2.771	2.961	3.221	3.201	3.009	7.23
8) Phenol-d5	1.642	1.721	1.502	1.614	1.578	1.663	1.638	1.764	1.640	4.93
9) Phenol	1.822	1.890	1.628	1.710	1.650	1.775	1.819	1.931	1.778	6.13
10) Aniline	2.249	2.339	2.030	2.212	2.178	2.266	2.340	2.394	2.251	5.09
11) bis(2-Chloro	1.509	1.521	1.284	1.370	1.333	1.422	1.496	1.525	1.433	6.58
12) 2-Chlorophen	1.327	1.368	1.213	1.325	1.300	1.356	1.352	1.413	1.332	4.42
13) Decane	1.696	1.748	1.466	1.447	1.379	1.575	1.748	1.753	1.602	9.65
14) 1,3-Dichloro	1.575	1.603	1.334	1.423	1.382	1.471	1.561	1.600	1.494	7.05
15) 1,4-Dichloro	1.557	1.585	1.351	1.419	1.383	1.449	1.587	1.598	1.491	6.81
16) Benzyl alcoh	0.900	0.964	0.843	0.939	0.924	0.949	0.869	0.982	0.921	5.15
17) 1,2-Dichloro	1.497	1.545	1.312	1.366	1.347	1.431	1.510	1.569	1.447	6.71
18) Acetophenone	2.101	2.154	1.820	1.785	1.699	1.893	2.158	2.181	1.974	9.91
19) 2-Methylphen	1.322	1.347	1.178	1.249	1.229	1.284	1.308	1.387	1.288	5.25
20) 2,2'-oxybis(	0.407	0.431	0.356	0.352	0.341	0.377	0.417	0.424	0.388	9.27
21) 3&4-Methylph	1.400	1.422	1.196	1.171	1.129	1.255	1.360	1.445	1.297	9.59
22) n-Nitroso-di	0.913	0.989	0.833	0.857	0.850	0.907	0.948	0.998	0.912	6.91
23) Hexachloroet	0.495	0.489	0.457	0.513	0.509	0.509	0.511	0.518	0.500	3.94
24) I Naphthalene-d8	ISTD									
25) Nitrobenzene	0.350	0.382	0.350	0.388	0.379	0.387	0.349	0.397	0.373	5.24
26) Nitrobenzene	0.380	0.395	0.356	0.380	0.366	0.386	0.367	0.413	0.380	4.73
27) Quinoline	0.674	0.694	0.602	0.666	0.652	0.676	0.660	0.711	0.667	4.86
28) Isophorone	0.715	0.749	0.662	0.717	0.700	0.724	0.703	0.771	0.718	4.57
29) 2-Nitropheno	0.112	0.132	0.140	0.155	0.152	0.158	0.115	0.151	0.139	12.99
30) 2,4-Dimethyl	0.367	0.381	0.331	0.342	0.331	0.348	0.368	0.394	0.358	6.50
31) Benzoic acid		0.146	0.211	0.288	0.298	0.269		0.190	0.234	25.98
---- Quadratic regression ---- Coefficient = 0.9989										
Response Ratio = -0.01206 + 0.23024 *A + 0.03037 *A^2										
32) bis(2-Chloro	0.477	0.492	0.429	0.440	0.422	0.448	0.481	0.499	0.461	6.48
33) 2,4-Dichloro	0.283	0.300	0.269	0.292	0.285	0.291	0.277	0.310	0.288	4.49
34) 2,6-Dichloro	0.281	0.295	0.257	0.258	0.246	0.269	0.287	0.301	0.274	7.21
35) 1,3,5-Trichl	0.354	0.361	0.298	0.298	0.285	0.307	0.364	0.356	0.328	10.32
36) 1,2,4-Trichl	0.337	0.347	0.295	0.309	0.299	0.312	0.355	0.345	0.325	7.29
37) 1,2,3-Trichl	0.342	0.337	0.288	0.303	0.292	0.305	0.343	0.337	0.318	7.33
38) Naphthalene	1.102	1.107	0.937	0.933	0.897	0.980	1.148	1.113	1.027	9.74
39) 4-Chloroanil	0.447	0.470	0.393	0.378	0.356	0.409	0.452	0.469	0.422	10.32
40) 2,3-Dichloro	0.354	0.358	0.309	0.306	0.288	0.319	0.356	0.368	0.332	9.02
41) Hydroquinone	0.298	0.337	0.297	0.332	0.322	0.342	0.284	0.342	0.319	7.18
42) Hexachlorobu	0.177	0.182	0.159	0.170	0.164	0.168	0.179	0.180	0.172	4.79

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

```
43) 4-Chloro-3-m 0.296 0.323 0.292 0.310 0.305 0.311 0.289 0.334 0.308   5.06
44) 2-Methylnaph 0.606 0.613 0.527 0.533 0.514 0.556 0.608 0.629 0.573   7.93
45) 1-Methylnaph 0.586 0.604 0.518 0.526 0.504 0.542 0.606 0.606 0.561   7.72

46) I   Acenaphthene-d10      ----------------ISTD---------------------
47) Hexachlorocy 0.165 0.172 0.181 0.225 0.222 0.216 0.167 0.197 0.193  13.00
48) 1,2,4,5-tetr 0.615 0.604 0.517 0.536 0.514 0.551 0.635 0.615 0.573   8.56
49) 2,4,6-Trichl 0.341 0.368 0.332 0.342 0.332 0.356 0.326 0.388 0.348   6.08
50) 2,4,5-Trichl 0.366 0.407 0.374 0.413 0.397 0.413 0.347 0.416 0.392   6.63
51) 2-Fluorobiph 1.466 1.460 1.240 1.255 1.185 1.297 1.464 1.456 1.353   8.87
52) 2-Chloronaph 1.267 1.245 1.064 1.083 1.037 1.120 1.245 1.232 1.162   8.17
53) Biphenyl     1.620 1.634 1.371 1.372 1.275 1.431 1.606 1.619 1.491   9.66
54) 2-Nitroanili 0.257 0.315 0.334 0.379 0.367 0.383 0.257 0.361 0.332  15.46
55) Dimethylphth 1.315 1.345 1.189 1.262 1.210 1.271 1.284 1.388 1.283   5.15
56) Acenaphthyle 1.442 1.526 1.366 1.435 1.390 1.470 1.387 1.543 1.445   4.49
57) 2,6-Dinitrot 0.164 0.219 0.243 0.285 0.278 0.281 0.151 0.249 0.234  22.36
            ---- Quadratic regression ----  Coefficient =  0.9987
              Response Ratio = -0.00374 + 0.26057 *A + 0.00993 *A^2

58) 3-Nitroanili 0.240 0.305 0.311 0.358 0.348 0.348       0.332 0.320  12.67
59) Acenaphthene 1.344 1.319 1.141 1.145 1.068 1.190 1.339 1.331 1.235   8.98
60) 2,4-Dinitrop 0.034 0.053 0.086 0.135 0.140 0.119       0.073 0.092  44.99
            ---- Quadratic regression ----  Coefficient =  0.9980
              Response Ratio = -0.00681 + 0.08579 *A + 0.01190 *A^2

61) 4-Nitropheno 0.132 0.158 0.163 0.190 0.186 0.182       0.173 0.169  11.93
62) Dibenzofuran 1.788 1.774 1.514 1.505 1.435 1.610 1.754 1.793 1.647   8.98
63) 2,4-Dinitrot 0.243 0.310 0.336 0.379 0.364 0.383 0.198 0.360 0.322  20.99
            ---- Quadratic regression ----  Coefficient =  0.9986
              Response Ratio = -0.00530 + 0.37063 *A + 0.00129 *A^2

64) 2,3,4,6-Tetr 0.240 0.282 0.279 0.319 0.314 0.313 0.227 0.304 0.285  12.33
65) Diethylphtha 1.352 1.379 1.188 1.238 1.184 1.267 1.355 1.399 1.295   6.69
66) Fluorene     1.379 1.373 1.166 1.147 1.076 1.200 1.332 1.386 1.257   9.84
67) 4-Chlorophen 0.647 0.652 0.544 0.543 0.521 0.563 0.628 0.640 0.592   9.20
68) 4-Nitroanili 0.253 0.297 0.313 0.357 0.342 0.355       0.339 0.322  11.64

69) I   Phenanthrene-d10      ----------------ISTD---------------------
70) 4,6-Dinitro-       0.044 0.067 0.094 0.101 0.089       0.058 0.075  29.78
            ---- Quadratic regression ----  Coefficient =  0.9988
              Response Ratio = -0.00410 + 0.07203 *A + 0.01229 *A^2

71) n-Nitrosodip 0.600 0.645 0.559 0.555 0.537 0.590 0.572 0.646 0.588   6.89
72) 1,2-Diphenyl 0.750 0.809 0.708 0.701 0.679 0.751 0.720 0.827 0.743   7.03
73) pentachloron       0.026 0.029 0.032 0.032 0.034       0.029 0.030#  9.13
74) 2,4,6-Tribro 0.063 0.071 0.078 0.091 0.093 0.092       0.084 0.082  14.24
75) 4-Bromopheny 0.173 0.182 0.169 0.178 0.178 0.186 0.178 0.190 0.179   3.65
76) Hexachlorobe 0.194 0.206 0.185 0.196 0.192 0.199 0.204 0.207 0.198   3.79
77) Pentachlorop 0.067 0.096 0.110 0.123 0.121 0.124       0.113 0.108  18.90
78) Phenanthrene 1.117 1.121 0.948 0.936 0.916 0.998 1.115 1.119 1.034   9.00
79) Anthracene   1.042 1.098 0.971 0.972 0.947 1.025 1.014 1.122 1.024   6.07
80) Carbazole    1.004 1.064 0.925 0.935 0.911 0.992 0.975 1.074 0.985   6.23
81) Di-n-butylph 0.897 1.083 1.078 1.094 1.058 1.161 0.853 1.164 1.048  10.89
82) Fluoranthene 1.011 1.099 1.001 1.027 1.019 1.083 0.963 1.157 1.045   6.03
83) Octadecane   0.473 0.569 0.535 0.499 0.471 0.561 0.408 0.617 0.517  12.90

84) I   Chrysene-d12          ----------------ISTD---------------------
85) benzidine          0.675 0.776 0.941 0.938 0.932       0.784 0.841  13.31
86) Pyrene       1.354 1.520 1.315 1.411 1.426 1.453 1.354 1.537 1.421   5.61
87) Terphenyl-d1 0.971 1.038 0.918 0.996 0.997 0.983 0.898 1.044 0.981   5.25
```

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICC224
Lab FileID: CR4922.D

```
 88) Butylbenzylp 0.305 0.450 0.523 0.632 0.640 0.640       0.531 0.532  23.26
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.01525 + 0.58024 *A + 0.02901 *A^2

 89) Benzo[a]anth 1.172 1.270 1.171 1.302 1.302 1.314 1.230 1.337 1.262   5.11
 90) 3,3'-Dichlor 0.292 0.391 0.432 0.521 0.526 0.505       0.442 0.444  18.96
 91) Chrysene     1.319 1.350 1.123 1.183 1.190 1.218 1.302 1.337 1.253   6.76
 92) bis(2-Ethylh 0.512 0.718 0.790 0.846 0.846 0.873       0.843 0.776  16.38

 93) I   Perylene-d12          ----------------ISTD---------------------
 94) Di-n-octylph 0.516 0.849 1.194 1.407 1.345 1.445       1.163 1.131  29.84
             ---- Quadratic regression ----  Coefficient =  0.9974
               Response Ratio = -0.05332 + 1.39932 *A + 0.00084 *A^2

 95) Benzo[b]fluo 0.849 0.999 0.963 1.082 1.088 1.085 0.785 1.102 0.994  12.16
 96) Benzo[k]fluo 1.102 1.213 1.085 1.087 1.012 1.108 1.139 1.277 1.128   7.32
 97) Benzo[a]pyre 0.594 0.771 0.825 0.970 0.963 0.950 0.575 0.873 0.815  19.42
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01008 + 0.87336 *A + 0.04297 *A^2

 98) Indeno[1,2,3 0.752 0.908 0.999 1.169 1.157 1.143 0.726 1.062 0.990  17.99
             ---- Quadratic regression ----  Coefficient =  0.9990
               Response Ratio = -0.01138 + 1.05384 *A + 0.05021 *A^2


 99) Dibenz(a,h)a       0.533 0.681 0.847 0.853 0.839       0.696 0.742  17.31
100) Dibenz[a,h]a 0.674 0.753 0.859 1.018 1.001 1.011 0.562 0.921 0.850  20.15
             ---- Quadratic regression ----  Coefficient =  0.9985
               Response Ratio = -0.01166 + 0.92601 *A + 0.03940 *A^2

101) 7,12-Dimethy 0.354 0.419 0.412 0.460 0.464 0.465 0.313 0.455 0.418  13.62
102) Benzo[g,h,i] 0.776 0.805 0.885 1.016 1.016 1.006 0.865 0.946 0.915  10.49


 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          MCR224.m          Tue Dec 12 13:50:49 2023
```

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4933.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4933.D Vial: 11
Acq On : 07 Dec 2023 12:44 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	120	0.00	4.93
9 t	Phenol	1.778	1.703	4.2	115	0.00	4.66
12 t	2-Chlorophenol	1.332	1.287	3.4	114	0.00	4.78
19 t	2-Methylphenol	1.288	1.210	6.1	113	0.00	5.08
21 t	3&4-Methylphenol	1.297	1.198	7.6	114	0.00	5.18
24 I	Naphthalene-d8	1.000	1.000	0.0	117	0.00	5.82
29 t	2-Nitrophenol	0.139	0.167	-20.1	124	0.00	5.55
30 t	2,4-Dimethylphenol	0.358	0.351	2.0	118	0.00	5.56
	----------	True	Calc.	% Drift	----------		
31 t	Benzoic acid	50.000	52.966	-5.9	121	0.00	5.66
	----------	AvgRF	CCRF	% Dev	----------		
33 t	2,4-Dichlorophenol	0.288	0.287	0.3	116	0.00	5.71
34 t	2,6-Dichlorophenol	0.274	0.287	-4.7	125	0.00	5.87
41 t	Hydroquinone	0.319	0.372	-16.6	128	0.04	6.14
43 t	4-Chloro-3-methylphenol	0.308	0.308	0.0	116	0.00	6.21
46 I	Acenaphthene-d10	1.000	1.000	0.0	114	0.00	7.16
49 t	2,4,6-Trichlorophenol	0.348	0.400	-14.9	128	0.00	6.55
50 t	2,4,5-Trichlorophenol	0.392	0.438	-11.7	121	0.00	6.58
	----------	True	Calc.	% Drift	----------		
60 t	2,4-Dinitrophenol	100.000	109.932	-9.9	122	0.00	7.21
	----------	AvgRF	CCRF	% Dev	----------		
61 t	4-Nitrophenol	0.169	0.194	-14.8	122	0.00	7.24
	----------	AvgRF	CCRF	% Dev	----------		
64	2,3,4,6-Tetrachlorophenol	0.285	0.335	-17.5	122	0.00	7.43
69 I	Phenanthrene-d10	1.000	1.000	0.0	121	0.00	8.46
	----------	True	Calc.	% Drift	----------		
70 t	4,6-Dinitro-2-methylpheno	50.000	54.493	-9.0	127	-0.01	7.66
77 t	Pentachlorophenol	0.108	0.127	-17.6	123	0.00	8.28

(#) = Out of Range SPCC's out = 0 CCC's out = 0

7.7.10

7

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4933.D

cr4922.D MCR224.m Tue Dec 12 13:51:07 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4934.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4934.D Vial: 12
Acq On : 07 Dec 2023 01:03 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00	4.93
3 t	Pyridine	1.643	1.541	6.2	111	0.00	3.17
4 t	N-Nitrosodimethylamine	0.807	0.818	-1.4	116	0.00	3.15
10	Aniline	2.251	2.148	4.6	115	0.00	4.70
22 t	n-Nitroso-di-n-propylamin	0.912	0.915	-0.3	123	-0.01	5.20
24 I	Naphthalene-d8	1.000	1.000	0.0	119	0.00	5.82
39 t	4-Chloroaniline	0.422	0.426	-0.9	124	0.00	5.87
46 I	Acenaphthene-d10	1.000	1.000	0.0	118	0.00	7.16
54 t	2-Nitroaniline	0.332	0.367	-10.5	113	0.00	6.80
	----------	AvgRF	CCRF	% Dev	----------		
58 t	3-Nitroaniline	0.320	0.348	-8.7	118	-0.01	7.13
68 t	4-Nitroaniline	0.322	0.339	-5.3	113	0.00	7.64
69 I	Phenanthrene-d10	1.000	1.000	0.0	126	0.00	8.46
	----------	AvgRF	CCRF	% Dev	----------		
71 t	n-Nitrosodiphenylamine	0.588	0.567	3.6	121	0.00	7.72
84 I	Chrysene-d12	1.000	1.000	0.0	128	-0.01	10.99
85	benzidine	0.841	0.928	-10.3	128	0.00	9.73
90 t	3,3'-Dichlorobenzidine	0.444	0.480	-8.1	122	-0.01	10.96

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4922.D MCR224.m Tue Dec 12 13:51:11 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR224-ICV224
Lab FileID: CR4935.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_224\cr4935.D Vial: 13
Acq On : 07 Dec 2023 01:23 am Operator: rocquans
Sample : icv224-50 Inst : GCMSCR
Misc : op50304,ecr224,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 13:27:16 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00	4.93
5	S	2-Fluorophenol	1.308	1.425	-8.9	90	0.00	4.04
8	S	Phenol-d5	1.640	1.800	-9.8	90	0.00	4.66
24	I	Naphthalene-d8	1.000	1.000	0.0	82	0.00	5.82
25	S	Nitrobenzene-d5	0.373	0.418	-12.1	88	0.00	5.31
46	I	Acenaphthene-d10	1.000	1.000	0.0	79	0.00	7.16
51	S	2-Fluorobiphenyl	1.353	1.473	-8.9	90	0.00	6.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	82	0.00	8.45
74	S	2,4,6-Tribromophenol	0.082	0.091	-11.0	81	0.00	7.83
84	I	Chrysene-d12	1.000	1.000	0.0	84	-0.01	10.99
87	S	Terphenyl-d14	0.981	1.075	-9.6	92	0.00	9.97

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4922.D MCR224.m Tue Dec 12 13:51:14 2023

7.7.12

7

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-ICC225
Lab FileID: CR4937.D

Response Factor Report GCMSCR

Method : C:\msdchem\1\methods\MCR225.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 15:30:02 2023
Response via : Initial Calibration

Calibration Files
2 =cr4939.D 5 =cr4940.D 25 =cr4942.D 80 =cr4943.D
100 =cr4944.D 50 =cr4937.D 1 =cr4938.D 10 =cr4941.D

Compound	2	5	25	80	100	50	1	10	Avg %RSD
103) 1,4-Dichlorobenzene-d	ISTD								
104) Benzaldehyde	1.403	1.127	1.117	1.068	1.281	1.151	1.092	1.203	1.180 9.50
105) Phenanthrene-d10a	ISTD								
106) Atrazine	0.075	0.064	0.083	0.086	0.104	0.090	0.072	0.082	15.77
107) I Naphthalene-d8a	ISTD								
108) Caprolactam	0.146	0.133	0.158	0.174	0.208	0.178	0.149	0.164	15.33
109) Phenanthrene-d10b	ISTD								
110) 1-chloroocta	0.279	0.261	0.352	0.337	0.387	0.364	0.299	0.326	14.29
111) o-terphenyl	0.595	0.468	0.478	0.450	0.513	0.471	0.564	0.460	0.500 10.63

(#) = Out of Range ### Number of calibration levels exceeded format ###

MCR224.m Tue Dec 12 15:32:34 2023

7.7.13

7

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR225-ICV225
Lab FileID: CR4945.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_225\cr4945.D Vial: 22
Acq On : 07 Dec 2023 06:45 am Operator: rocquans
Sample : icv225-50 Inst : GCMSCR
Misc : op50304,ecr225,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 15:30:02 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	94	0.00	4.93
104	Benzaldehyde	1.180	1.136	3.7	93	0.00	4.64
105	Phenanthrene-d10a	1.000	1.000	0.0	93	0.00	8.45
106	Atrazine	0.082	0.090	-9.8	92	0.00	8.19
107 I	Naphthalene-d8a	1.000	1.000	0.0	94	0.00	5.82
108 T	Caprolactam	0.164	0.173	-5.5	91	0.00	6.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 12 15:32:50 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\ECR_227\cr4952.D Vial: 2
Acq On : 12 Dec 2023 03:15 pm Operator: karimam
Sample : icv224-10 Inst : GCMSCR
Misc : op50304,ecr227,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : C:\msdchem\1\methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00	4.93
2	t	1,4-Dioxane	0.611	0.672	-10.0	96	0.00	2.94
6	t	Indene	2.194	2.315	-5.5	96	0.00	5.11
7	t	Cumene	3.009	3.242	-7.7	95	0.00	4.39
11	t	bis(2-Chloroethyl)ether	1.433	1.560	-8.9	95	0.00	4.74
13	t	Decane	1.602	1.759	-9.8	97	0.00	4.81
14	t	1,3-Dichlorobenzene	1.494	1.619	-8.4	96	0.00	4.89
15	t	1,4-Dichlorobenzene	1.491	1.642	-10.1	98	0.00	4.94
16	t	Benzyl alcohol	0.921	0.989	-7.4	91	0.00	5.01
17	t	1,2-Dichlorobenzene	1.447	1.570	-8.5	95	0.00	5.05
18	t	Acetophenone	1.974	2.173	-10.1	100	0.00	5.20
20	t	2,2'-oxybis(1-Chloropropa	0.388	0.415	-7.0	96	0.00	5.10
23	t	Hexachloroethane	0.500	0.555	-11.0	95	0.00	5.28
24	I	Naphthalene-d8	1.000	1.000	0.0	86	0.00	5.82
26	t	Nitrobenzene	0.380	0.409	-7.6	91	0.00	5.32
27	t	Quinoline	0.667	0.711	-6.6	91	-0.02	6.08
28	t	Isophorone	0.718	0.773	-7.7	92	-0.01	5.48

			AvgRF	CCRF	% Dev			
32	t	bis(2-Chloroethoxy)methan	0.461	0.501	-8.7	97	0.00	5.63
35		1,3,5-Trichlorobenzene	0.328	0.361	-10.1	102	0.00	5.55
36	t	1,2,4-Trichlorobenzene	0.325	0.347	-6.8	96	0.00	5.77
37		1,2,3-Trichlorobenzene	0.318	0.340	-6.9	96	0.00	5.93
38	t	Naphthalene	1.027	1.084	-5.6	95	0.00	5.84
40	t	2,3-Dichloroaniline	0.332	0.365	-9.9	99	0.00	6.56
42	t	Hexachlorobutadiene	0.172	0.189	-9.9	97	0.00	5.92
44	t	2-Methylnaphthalene	0.573	0.614	-7.2	95	0.00	6.34
45	t	1-Methylnaphthalene	0.561	0.602	-7.3	96	0.00	6.42
46	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00	7.16
47	t	Hexachlorocyclopentadiene	0.193	0.231	-19.7	92	0.00	6.46
48		1,2,4,5-tetrachlorobenzen	0.573	0.610	-6.5	95	0.00	6.47
52	t	2-Chloronaphthalene	1.162	1.252	-7.7	96	0.00	6.72
53	t	Biphenyl	1.491	1.587	-6.4	95	0.00	6.70
55	t	Dimethylphthalate	1.283	1.420	-10.7	96	0.00	6.94
56	t	Acenaphthylene	1.445	1.667	-15.4	97	0.00	7.05

			True	Calc.	% Drift			

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

57	t	2,6-Dinitrotoluene	50.000	50.710	-1.4	84	0.00	6.99
			AvgRF	CCRF	% Dev			
59	t	Acenaphthene	1.235	1.323	-7.1	95	0.00	7.19
			AvgRF	CCRF	% Dev			
62	t	Dibenzofuran	1.647	1.792	-8.8	96	0.00	7.34
			True	Calc.	% Drift			
63	t	2,4-Dinitrotoluene	50.000	50.213	-0.4	83	0.00	7.32
			AvgRF	CCRF	% Dev			
65	t	Diethylphthalate	1.295	1.388	-7.2	94	0.00	7.52
66	t	Fluorene	1.257	1.341	-6.7	96	0.00	7.62
67	t	4-Chlorophenyl-phenylethe	0.592	0.636	-7.4	97	0.00	7.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00	8.46
			AvgRF	CCRF	% Dev			
72	t	1,2-Diphenylhydrazine	0.743	0.823	-10.8	96	0.00	7.76
73		pentachloronitrobenzene	0.030	0.032#	-6.7	85	0.00	8.29
75	t	4-Bromophenyl-phenylether	0.179	0.197	-10.1	93	0.00	8.05
76	t	Hexachlorobenzene	0.198	0.223	-12.6	98	0.00	8.10
78	t	Phenanthrene	1.034	1.105	-6.9	97	0.00	8.48
79	t	Anthracene	1.024	1.121	-9.5	96	0.00	8.53
80	t	Carbazole	0.985	1.093	-11.0	97	0.00	8.67
81	t	Di-n-butylphthalate	1.048	1.228	-17.2	93	0.00	8.99
82	t	Fluoranthene	1.045	1.188	-13.7	96	0.00	9.60
83	t	Octadecane	0.517	0.628	-21.5	98	0.00	8.34
84	I	Chrysene-d12	1.000	1.000	0.0	85	0.00	11.00
86	t	Pyrene	1.421	1.649	-16.0	96	0.00	9.82
			True	Calc.	% Drift			
88	t	Butylbenzylphthalate	50.000	54.229	-8.5	87	0.00	10.45
			AvgRF	CCRF	% Dev			
89	t	Benzo[a]anthracene	1.262	1.433	-13.5	92	0.00	10.99
91	t	Chrysene	1.253	1.405	-12.1	98	0.00	11.03
92	t	bis(2-Ethylhexyl)phthalat	0.776	0.926	-19.3	90	0.00	11.02
93	I	Perylene-d12	1.000	1.000	0.0	83	0.00	12.42
			True	Calc.	% Drift			
94	t	Di-n-octylphthalate	50.000	58.190	-16.4	91	0.00	11.64
			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	0.994	1.279	-28.7	98	0.00	12.03
96	t	Benzo[k]fluoranthene	1.128	1.267	-12.3	95	0.00	12.05
			True	Calc.	% Drift			
97	t	Benzo[a]pyrene	50.000	59.431	-18.9	97	0.00	12.36
98	t	Indeno[1,2,3-cd]pyrene	50.000	58.742	-17.5	96	-0.01	13.74
			AvgRF	CCRF	% Dev			
99	t	Dibenz(a,h)acridine	0.742	0.917	-23.6	91	0.00	13.43
			True	Calc.	% Drift			
100	t	Dibenz[a,h]anthracene	50.000	58.711	-17.4	94	-0.01	13.77

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR227-ICV224
Lab FileID: CR4952.D

		AvgRF	CCRF	% Dev			
101 t	7,12-Dimethylbenz(a)anthr	0.418	0.525	-25.6	94	0.00	12.01
102 t	Benzo[g,h,i]perylene	0.915	1.145	-25.1	94	-0.01	14.13

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 12 16:27:26 2023

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR239-CC224
Lab FileID: CR5233.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\jezreelo\ecr239\cr5233.D Vial: 1
Acq On : 23 Dec 2023 09:30 pm Operator: rocquans
Sample : cc224-50 Inst : GCMSCR
Misc : op51095,ecr239,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...Methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	-0.04	4.90
2	t	1,4-Dioxane	0.611	0.523	14.4	75	-0.12	2.83
3	t	Pyridine	1.643	1.445	12.1	75	-0.11	3.07
4	t	N-Nitrosodimethylamine	0.807	0.757	6.2	77	-0.10	3.05
5	S	2-Fluorophenol	1.308	1.245	4.8	81	-0.04	3.99
6	t	Indene	2.194	1.976	9.9	82	-0.03	5.08
7	t	Cumene	3.009	2.820	6.3	83	-0.05	4.35
8	S	Phenol-d5	1.640	1.506	8.2	79	-0.02	4.63
9	t	Phenol	1.778	1.599	10.1	78	-0.02	4.64
10		Aniline	2.251	2.013	10.6	77	-0.04	4.67
11	t	bis(2-Chloroethyl)ether	1.433	1.305	8.9	80	-0.04	4.70
12	t	2-Chlorophenol	1.332	1.296	2.7	83	-0.03	4.75
13	t	Decane	1.602	1.474	8.0	81	-0.04	4.77
14	t	1,3-Dichlorobenzene	1.494	1.438	3.7	85	-0.03	4.86
15	t	1,4-Dichlorobenzene	1.491	1.447	3.0	87	-0.04	4.91
16	t	Benzyl alcohol	0.921	0.869	5.6	80	-0.03	4.99
17	t	1,2-Dichlorobenzene	1.447	1.403	3.0	85	-0.04	5.01
18	t	Acetophenone	1.974	1.676	15.1	77	-0.03	5.17
19	t	2-Methylphenol	1.288	1.166	9.5	79	-0.02	5.06
20	t	2,2'-oxybis(1-Chloropropa	0.388	0.360	7.2	83	-0.03	5.08
21	t	3&4-Methylphenol	1.297	1.074	17.2	74	-0.02	5.17
22	t	n-Nitroso-di-n-propylamin	0.912	0.783	14.1	75	-0.04	5.17
23	t	Hexachloroethane	0.500	0.551	-10.2	94	-0.04	5.25
24	I	Naphthalene-d8	1.000	1.000	0.0	84	-0.03	5.79
25	S	Nitrobenzene-d5	0.373	0.382	-2.4	83	-0.03	5.28
26	t	Nitrobenzene	0.380	0.371	2.4	80	-0.03	5.30
27	t	Quinoline	0.667	0.668	-0.1	83	-0.03	6.06
28	t	Isophorone	0.718	0.685	4.6	79	-0.03	5.46
29	t	2-Nitrophenol	0.139	0.177	-27.3#	94	-0.03	5.52
30	t	2,4-Dimethylphenol	0.358	0.366	-2.2	88	-0.02	5.54
		----------	True	Calc.	% Drift	----------		
31	t	Benzoic acid	50.000	48.355	3.3	77	-0.02	5.64
		----------	AvgRF	CCRF	% Dev	----------		
32	t	bis(2-Chloroethoxy)methan	0.461	0.429	6.9	80	-0.03	5.60
33	t	2,4-Dichlorophenol	0.288	0.307	-6.6	88	-0.02	5.69
34	t	2,6-Dichlorophenol	0.274	0.291	-6.2	90	-0.03	5.85
35		1,3,5-Trichlorobenzene	0.328	0.331	-0.9	90	-0.03	5.53
36	t	1,2,4-Trichlorobenzene	0.325	0.330	-1.5	88	-0.03	5.75
37		1,2,3-Trichlorobenzene	0.318	0.322	-1.3	88	-0.03	5.91

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR239-CC224
Lab FileID: CR5233.D

38	t	Naphthalene	1.027	0.964	6.1	82	-0.03	5.81
39	t	4-Chloroaniline	0.422	0.416	1.4	85	-0.03	5.84
40	t	2,3-Dichloroaniline	0.332	0.328	1.2	86	-0.03	6.53
41	t	Hydroquinone	0.319	0.286	10.3	70	0.02	6.12
42	t	Hexachlorobutadiene	0.172	0.193	-12.2	96	-0.03	5.89
43	t	4-Chloro-3-methylphenol	0.308	0.319	-3.6	86	-0.02	6.20
44	t	2-Methylnaphthalene	0.573	0.562	1.9	85	-0.03	6.31
45	t	1-Methylnaphthalene	0.561	0.551	1.8	85	-0.03	6.39
46	I	Acenaphthene-d10	1.000	1.000	0.0	87	-0.04	7.13
47	t	Hexachlorocyclopentadiene	0.193	0.253	-31.1#	102	-0.04	6.42
48		1,2,4,5-tetrachlorobenzen	0.573	0.594	-3.7	94	-0.03	6.44
49	t	2,4,6-Trichlorophenol	0.348	0.357	-2.6	88	-0.03	6.53
50	t	2,4,5-Trichlorophenol	0.392	0.433	-10.5	92	-0.02	6.56
51	S	2-Fluorobiphenyl	1.353	1.309	3.3	88	-0.04	6.59
52	t	2-Chloronaphthalene	1.162	1.122	3.4	88	-0.04	6.69
53	t	Biphenyl	1.491	1.425	4.4	87	-0.04	6.67
54	t	2-Nitroaniline	0.332	0.364	-9.6	83	-0.03	6.77
55	t	Dimethylphthalate	1.283	1.315	-2.5	90	-0.04	6.90
56	t	Acenaphthylene	1.445	1.476	-2.1	88	-0.04	7.02
		----------	True	Calc.	% Drift	----------		
57	t	2,6-Dinitrotoluene	50.000	54.462	-8.9	92	-0.04	6.96
		----------	AvgRF	CCRF	% Dev	----------		
58	t	3-Nitroaniline	0.320	0.325	-1.6	82	-0.03	7.11
59	t	Acenaphthene	1.235	1.183	4.2	87	-0.04	7.16
		----------	True	Calc.	% Drift	----------		
60	t	2,4-Dinitrophenol	100.000	120.950	-21.0#	106	-0.03	7.19
		----------	AvgRF	CCRF	% Dev	----------		
61	t	4-Nitrophenol	0.169	0.160	5.3	77	-0.01	7.24
62	t	Dibenzofuran	1.647	1.580	4.1	86	-0.04	7.30
		----------	True	Calc.	% Drift	----------		
63	t	2,4-Dinitrotoluene	50.000	54.059	-8.1	91	-0.04	7.29
		----------	AvgRF	CCRF	% Dev	----------		
64		2,3,4,6-Tetrachlorophenol	0.285	0.333	-16.8	93	-0.04	7.40
65	t	Diethylphthalate	1.295	1.290	0.4	89	-0.04	7.48
66	t	Fluorene	1.257	1.245	1.0	91	-0.04	7.59
67	t	4-Chlorophenyl-phenylethe	0.592	0.602	-1.7	93	-0.04	7.58
68	t	4-Nitroaniline	0.322	0.328	-1.9	81	-0.03	7.62
69	I	Phenanthrene-d10	1.000	1.000	0.0	92	-0.04	8.42
		----------	True	Calc.	% Drift	----------		
70	t	4,6-Dinitro-2-methylpheno	50.000	63.816	-27.6#	119	-0.03	7.63
		----------	AvgRF	CCRF	% Dev	----------		
71	t	n-Nitrosodiphenylamine	0.588	0.570	3.1	89	-0.04	7.68
72	t	1,2-Diphenylhydrazine	0.743	0.661	11.0	81	-0.04	7.72
73		pentachloronitrobenzene	0.030	0.034#	-13.3	95	-0.04	8.26
74	S	2,4,6-Tribromophenol	0.082	0.099	-20.7#	99	-0.03	7.80
75	t	4-Bromophenyl-phenylether	0.179	0.189	-5.6	94	-0.04	8.01
76	t	Hexachlorobenzene	0.198	0.203	-2.5	94	-0.04	8.07
77	t	Pentachlorophenol	0.108	0.111	-2.8	83	-0.03	8.25
78	t	Phenanthrene	1.034	0.970	6.2	90	-0.04	8.44
79	t	Anthracene	1.024	1.012	1.2	91	-0.04	8.49

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR239-CC224
Lab FileID: CR5233.D

80	t	Carbazole	0.985	0.979	0.6	91	-0.03	8.64
81	t	Di-n-butylphthalate	1.048	1.146	-9.4	91	-0.05	8.95
82	t	Fluoranthene	1.045	1.110	-6.2	95	-0.04	9.56
83	t	Octadecane	0.517	0.503	2.7	83	-0.05	8.29
84	I	Chrysene-d12	1.000	1.000	0.0	90	-0.04	10.96
85		benzidine	0.841	0.806	4.2	78	-0.03	9.70
86	t	Pyrene	1.421	1.506	-6.0	93	-0.04	9.78
87	S	Terphenyl-d14	0.981	1.066	-8.7	98	-0.05	9.92
			True	Calc.	% Drift			
88	t	Butylbenzylphthalate	50.000	55.462	-10.9	95	-0.05	10.40
			AvgRF	CCRF	% Dev			
89	t	Benzo[a]anthracene	1.262	1.358	-7.6	93	-0.05	10.95
90	t	3,3'-Dichlorobenzidine	0.444	0.566	-27.5#	101	-0.04	10.92
91	t	Chrysene	1.253	1.348	-7.6	100	-0.04	10.99
92	t	bis(2-Ethylhexyl)phthalat	0.776	0.885	-14.0	91	-0.06	10.96
93	I	Perylene-d12	1.000	1.000	0.0	103	-0.05	12.38
			True	Calc.	% Drift			
94	t	Di-n-octylphthalate	50.000	49.251	1.5	95	-0.06	11.58
			AvgRF	CCRF	% Dev			
95	t	Benzo[b]fluoranthene	0.994	1.117	-12.4	106	-0.04	11.98
96	t	Benzo[k]fluoranthene	1.128	1.035	8.2	96	-0.05	12.01
			True	Calc.	% Drift			
97	t	Benzo[a]pyrene	50.000	52.045	-4.1	104	-0.05	12.31
98	t	Indeno[1,2,3-cd]pyrene	50.000	53.265	-6.5	107	-0.06	13.69
			AvgRF	CCRF	% Dev			
99	t	Dibenz(a,h)acridine	0.742	0.903	-21.7#	111	-0.06	13.37
			True	Calc.	% Drift			
100	t	Dibenz[a,h]anthracene	50.000	52.111	-4.2	103	-0.07	13.71
			AvgRF	CCRF	% Dev			
101	t	7,12-Dimethylbenz(a)anthr	0.418	0.442	-5.7	98	-0.05	11.97
102	t	Benzo[g,h,i]perylene	0.915	1.061	-16.0	109	-0.07	14.07

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 26 05:49:53 2023

7.7.16

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: ECR239-CC225
Lab FileID: CR5234.D

Evaluate Continuing Calibration Report

Data File : X:\Dayton SVOA GCMS\jezreelo\ecr239\cr5234.D Vial: 2
Acq On : 23 Dec 2023 10:09 pm Operator: rocquans
Sample : cc225-50 Inst : GCMSCR
Misc : op51095,ecr239,1000,,,1,1 Multiplr: 1.00
MS Integration Params: rteint.p

Method : X:\Dayton SVOA G...Methods\MCR224.m (RTE Integrator)
Title : Semi Volatile GC/MS,zb-5msi 30m x .25mm x .25MoTuWed Aug 10 17:05:37 2022
Last Update : Tue Dec 12 16:18:17 2023
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
103	1,4-Dichlorobenzene-d4a	1.000	1.000	0.0	98	-0.03	4.90
104	Benzaldehyde	1.180	1.073	9.1	91	-0.04	4.60
105	Phenanthrene-d10a	1.000	1.000	0.0	102	-0.04	8.42
106	Atrazine	0.082	0.098	-19.5	110	-0.04	8.15
107 I	Naphthalene-d8a	1.000	1.000	0.0	97	-0.03	5.79
108 T	Caprolactam	0.164	0.174	-6.1	95	-0.03	6.09
109	Phenanthrene-d10b	1.000	1.000	0.0	102	-0.04	8.42
110 s	1-chlorooctadecane	0.326	0.354	-8.6	99	-0.05	9.43
111 s	o-terphenyl	0.500	0.499	0.2	108	-0.05	8.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
cr4937a.D MCR224.m Tue Dec 26 05:49:56 2023

7.7.17

7

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4054	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4054-DFTPP	6P513200.D	12/12/23 02:10	n/a	DFTPP Tune
E6P4054-ICC4054	6P513202.D	12/12/23 02:46	n/a	Initial cal 50
E6P4054-IC4054	6P513203.D	12/12/23 03:08	n/a	Initial cal 1
E6P4054-IC4054	6P513204.D	12/12/23 03:30	n/a	Initial cal 2
E6P4054-IC4054	6P513205.D	12/12/23 03:53	n/a	Initial cal 5
E6P4054-IC4054	6P513206.D	12/12/23 04:15	n/a	Initial cal 10
E6P4054-IC4054	6P513207.D	12/12/23 04:37	n/a	Initial cal 25
E6P4054-IC4054	6P513208.D	12/12/23 05:00	n/a	Initial cal 80
E6P4054-IC4054	6P513209.D	12/12/23 05:22	n/a	Initial cal 100
E6P4054-ICV4054	6P513210.D	12/12/23 05:45	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513211.D	12/12/23 06:07	n/a	Initial cal verification 50
E6P4054-ICV4054	6P513212.D	12/12/23 06:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4055	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4055-DFTPP	6P513214.D	12/12/23 08:47	n/a	DFTPP Tune
E6P4055-ICC4055	6P513215.D	12/12/23 09:00	n/a	Initial cal 50
E6P4055-IC4055	6P513216.D	12/12/23 09:22	n/a	Initial cal 1
E6P4055-IC4055	6P513217.D	12/12/23 09:43	n/a	Initial cal 2
E6P4055-IC4055	6P513218.D	12/12/23 10:05	n/a	Initial cal 25
E6P4055-IC4055	6P513219.D	12/12/23 10:26	n/a	Initial cal 5
E6P4055-IC4055	6P513220.D	12/12/23 10:48	n/a	Initial cal 10
E6P4055-IC4055	6P513221.D	12/12/23 11:09	n/a	Initial cal 100
E6P4055-IC4055	6P513222.D	12/12/23 11:30	n/a	Initial cal 80
E6P4055-ICV4055	6P513223.D	12/12/23 11:52	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: E6P4065	**Method:** SW846 8270E	**Instrument ID:** GCMS6P

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
E6P4065-CC4054	6P513455.D	12/23/23 20:42	n/a	Continuing cal 50
E6P4065-CC4055	6P513456.D	12/23/23 21:02	n/a	Continuing cal 50
OP51352-MB1	6P513458.D	12/23/23 22:48	OP51352	Method Blank
OP51352-BS1	6P513459.D	12/23/23 23:07	OP51352	Blank Spike
OP51350-MB1	6P513460.D	12/23/23 23:26	OP51350	Method Blank
OP51350-BS1	6P513461.D	12/23/23 23:46	OP51350	Blank Spike
ZZZZZZ	6P513462.D	12/24/23 00:05	OP51350	(unrelated sample)
ZZZZZZ	6P513463.D	12/24/23 00:24	OP51350	(unrelated sample)
ZZZZZZ	6P513464.D	12/24/23 00:44	OP51350	(unrelated sample)
ZZZZZZ	6P513465.D	12/24/23 01:03	OP51361	(unrelated sample)
ZZZZZZ	6P513466.D	12/24/23 01:22	OP51361	(unrelated sample)
ZZZZZZ	6P513467.D	12/24/23 01:42	OP51361	(unrelated sample)
OP51352-MS	6P513468.D	12/24/23 02:01	OP51352	Matrix Spike
OP51352-MSD	6P513469.D	12/24/23 02:21	OP51352	Matrix Spike Duplicate
JD79233-2	6P513470.D	12/24/23 02:40	OP51352	(used for QC only; not part of job JD79288)
OP51350-MS	6P513471.D	12/24/23 02:59	OP51350	Matrix Spike
OP51350-MSD	6P513472.D	12/24/23 03:19	OP51350	Matrix Spike Duplicate
JD79126-1	6P513473.D	12/24/23 03:38	OP51350	(used for QC only; not part of job JD79288)
ZZZZZZ	6P513474.D	12/24/23 03:57	OP51350	(unrelated sample)
ZZZZZZ	6P513475.D	12/24/23 04:17	OP51350	(unrelated sample)
OP51361-MS	6P513476.D	12/24/23 04:36	OP51361	Matrix Spike
OP51361-MSD	6P513477.D	12/24/23 04:55	OP51361	Matrix Spike Duplicate
JD79291-1	6P513478.D	12/24/23 05:15	OP51361	(used for QC only; not part of job JD79288)

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR224	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR224-DFTPP	CR4921.D	12/06/23 20:53	n/a	DFTPP Tune
ECR224-ICC224	CR4922.D	12/06/23 21:08	n/a	Initial cal 50
ECR224-IC224	CR4923.D	12/06/23 21:27	n/a	Initial cal 1
ECR224-IC224	CR4924.D	12/06/23 21:46	n/a	Initial cal 2
ECR224-IC224	CR4925.D	12/06/23 22:06	n/a	Initial cal 5
ECR224-IC224	CR4926.D	12/06/23 22:26	n/a	Initial cal 10
ECR224-IC224	CR4927.D	12/06/23 22:45	n/a	Initial cal 25
ECR224-IC224	CR4928.D	12/06/23 23:05	n/a	Initial cal 80
ECR224-IC224	CR4929.D	12/06/23 23:24	n/a	Initial cal 100
ECR224-ICV224	CR4933.D	12/07/23 00:44	n/a	Initial cal verification 50
ECR224-ICV224	CR4934.D	12/07/23 01:03	n/a	Initial cal verification 50
ECR224-ICV224	CR4935.D	12/07/23 01:23	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR225	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR225-DFTPP	CR4936.D	12/07/23 03:13	n/a	DFTPP Tune
ECR225-ICC225	CR4937.D	12/07/23 04:06	n/a	Initial cal 50
ECR225-IC225	CR4938.D	12/07/23 04:26	n/a	Initial cal 1
ECR225-IC225	CR4939.D	12/07/23 04:46	n/a	Initial cal 2
ECR225-IC225	CR4940.D	12/07/23 05:06	n/a	Initial cal 5
ECR225-IC225	CR4941.D	12/07/23 05:25	n/a	Initial cal 10
ECR225-IC225	CR4942.D	12/07/23 05:45	n/a	Initial cal 25
ECR225-IC225	CR4943.D	12/07/23 06:05	n/a	Initial cal 80
ECR225-IC225	CR4944.D	12/07/23 06:25	n/a	Initial cal 100
ECR225-ICV225	CR4945.D	12/07/23 06:45	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR227	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR227-DFTPP	CR4951.D	12/12/23 15:02	n/a	DFTPP Tune
ECR227-ICV224	CR4952.D	12/12/23 15:15	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: ECR239	**Method:** SW846 8270E	**Instrument ID:** GCMSCR

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
ECR239-CC224	CR5233.D	12/23/23 21:30	n/a	Continuing cal 50
ECR239-CC225	CR5234.D	12/23/23 22:09	n/a	Continuing cal 50
ZZZZZZ	CR5236.D	12/23/23 23:24	OP51350	(unrelated sample)
ZZZZZZ	CR5237.D	12/23/23 23:44	OP51350	(unrelated sample)
ZZZZZZ	CR5238.D	12/24/23 00:03	OP51350	(unrelated sample)
ZZZZZZ	CR5239.D	12/24/23 00:22	OP51350	(unrelated sample)
ZZZZZZ	CR5240.D	12/24/23 00:42	OP51350	(unrelated sample)
ZZZZZZ	CR5241.D	12/24/23 01:01	OP51350	(unrelated sample)
ZZZZZZ	CR5242.D	12/24/23 01:20	OP51350	(unrelated sample)
ZZZZZZ	CR5243.D	12/24/23 01:40	OP51350	(unrelated sample)
ZZZZZZ	CR5244.D	12/24/23 01:59	OP51350	(unrelated sample)
ZZZZZZ	CR5245.D	12/24/23 02:19	OP51350	(unrelated sample)
ZZZZZZ	CR5246.D	12/24/23 02:38	OP51350	(unrelated sample)
ZZZZZZ	CR5248.D	12/24/23 03:17	OP51352	(unrelated sample)
JD79288-2	CR5249.D	12/24/23 03:36	OP51352	SB-101 (2.5-3)
JD79288-1	CR5250.D	12/24/23 03:55	OP51352	SB-102 (3-3.5)
ZZZZZZ	CR5251.D	12/24/23 04:15	OP51352	(unrelated sample)
ZZZZZZ	CR5252.D	12/24/23 04:34	OP51352	(unrelated sample)
ZZZZZZ	CR5254.D	12/24/23 05:13	OP51352	(unrelated sample)
ZZZZZZ	CR5255.D	12/24/23 05:32	OP51352	(unrelated sample)
ZZZZZZ	CR5256.D	12/24/23 05:51	OP51352	(unrelated sample)
ZZZZZZ	CR5257.D	12/24/23 06:11	OP51352	(unrelated sample)
ZZZZZZ	CR5258.D	12/24/23 06:30	OP51352	(unrelated sample)
ZZZZZZ	CR5259.D	12/24/23 06:50	OP51352	(unrelated sample)

GC/LC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- DDT/Endrin Breakdown Checks
- GC Identification Summaries (Hits)
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51356-MB1	6G94810.D	1	12/27/23	CP	12/22/23	OP51356	G6G3519

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.40	0.078	ug/kg	
319-84-6	alpha-BHC	ND	0.40	0.046	ug/kg	
319-85-7	beta-BHC	ND	0.40	0.058	ug/kg	
319-86-8	delta-BHC	ND	0.40	0.060	ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.40	0.070	ug/kg	
5103-71-9	alpha-Chlordane	ND	0.40	0.054	ug/kg	
5103-74-2	gamma-Chlordane	ND	0.40	0.060	ug/kg	
60-57-1	Dieldrin	ND	0.40	0.064	ug/kg	
72-54-8	4,4'-DDD	ND	0.40	0.042	ug/kg	
72-55-9	4,4'-DDE	ND	0.40	0.048	ug/kg	
50-29-3	4,4'-DDT	ND	0.40	0.070	ug/kg	
72-20-8	Endrin	ND	0.40	0.058	ug/kg	
1031-07-8	Endosulfan sulfate	ND	0.40	0.048	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.40	0.12	ug/kg	
959-98-8	Endosulfan-I	ND	0.40	0.054	ug/kg	
33213-65-9	Endosulfan-II	ND	0.40	0.056	ug/kg	
76-44-8	Heptachlor	ND	0.40	0.052	ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.40	0.072	ug/kg	
72-43-5	Methoxychlor	ND	0.40	0.16	ug/kg	
53494-70-5	Endrin ketone	ND	0.40	0.064	ug/kg	
8001-35-2	Toxaphene	ND	5.0	3.3	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	113%	66-150%
877-09-8	Tetrachloro-m-xylene	139%	66-150%
2051-24-3	Decachlorobiphenyl	105%	40-150%
2051-24-3	Decachlorobiphenyl	115%	40-150%

Method Blank Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51357-MB1	RL10942.D	1	12/27/23	RK	12/22/23	OP51357	GRL247

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79288-1, JD79288-2

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	20	8.5	ug/kg	
11104-28-2	Aroclor 1221	ND	20	6.7	ug/kg	
11141-16-5	Aroclor 1232	ND	20	17	ug/kg	
53469-21-9	Aroclor 1242	ND	20	12	ug/kg	
12672-29-6	Aroclor 1248	ND	20	4.3	ug/kg	
11097-69-1	Aroclor 1254	ND	20	2.2	ug/kg	
11096-82-5	Aroclor 1260	ND	20	6.9	ug/kg	
11100-14-4	Aroclor 1268	ND	20	2.0	ug/kg	
37324-23-5	Aroclor 1262	ND	20	1.7	ug/kg	

CAS No.	Surrogate Recoveries		Limits
877-09-8	Tetrachloro-m-xylene	94%	42-159%
877-09-8	Tetrachloro-m-xylene	104%	42-159%
2051-24-3	Decachlorobiphenyl	103%	18-154%
2051-24-3	Decachlorobiphenyl	114%	18-154%

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51356-BS1	6G94811.D	1	12/27/23	CP	12/22/23	OP51356	G6G3519

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
309-00-2	Aldrin	5	6.1	122	75-150
319-84-6	alpha-BHC	5	5.6	112	72-150
319-85-7	beta-BHC	5	5.5	110	75-150
319-86-8	delta-BHC	5	5.7	114	58-150
58-89-9	gamma-BHC (Lindane)	5	5.4	108	72-150
5103-71-9	alpha-Chlordane	5	6.1	122	68-150
5103-74-2	gamma-Chlordane	5	6.1	122	72-150
60-57-1	Dieldrin	5	5.8	116	72-150
72-54-8	4,4'-DDD	5	6.3	126 [a]	67-150
72-55-9	4,4'-DDE	5	5.2	104	72-150
50-29-3	4,4'-DDT	5	6.4	128 [a]	48-150
72-20-8	Endrin	5	7.0	140 [a]	73-150
1031-07-8	Endosulfan sulfate	5	5.9	118	69-150
7421-93-4	Endrin aldehyde	5	7.2	144 [a]	36-150
959-98-8	Endosulfan-I	5	5.3	106	70-150
33213-65-9	Endosulfan-II	5	5.7	114	75-150
76-44-8	Heptachlor	5	5.4	108 [a]	70-150
1024-57-3	Heptachlor epoxide	5	7.0	140 [a]	73-150
72-43-5	Methoxychlor	5	5.1	102 [a]	54-150
53494-70-5	Endrin ketone	5	5.0	100	73-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	116%	66-150%
877-09-8	Tetrachloro-m-xylene	145%	66-150%
2051-24-3	Decachlorobiphenyl	109%	40-150%
2051-24-3	Decachlorobiphenyl	123%	40-150%

(a) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51357-BS1	RL10943.D	1	12/27/23	RK	12/22/23	OP51357	GRL247

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79288-1, JD79288-2

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
12674-11-2	Aroclor 1016	40	38.9	97	74-153
11104-28-2	Aroclor 1221		ND		50-150
11141-16-5	Aroclor 1232		ND		50-150
53469-21-9	Aroclor 1242		ND		50-150
12672-29-6	Aroclor 1248		ND		50-150
11097-69-1	Aroclor 1254		ND		50-150
11096-82-5	Aroclor 1260	40	37.6	94	68-147
11100-14-4	Aroclor 1268		ND		50-150
37324-23-5	Aroclor 1262		ND		50-150

CAS No.	Surrogate Recoveries	BSP	Limits
877-09-8	Tetrachloro-m-xylene	98%	42-159%
877-09-8	Tetrachloro-m-xylene	107%	42-159%
2051-24-3	Decachlorobiphenyl	108%	18-154%
2051-24-3	Decachlorobiphenyl	117%	18-154%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51356-MS	6G94818.D	1	12/27/23	CP	12/22/23	OP51356	G6G3519
OP51356-MSD	6G94819.D	1	12/27/23	CP	12/22/23	OP51356	G6G3519
JD79281-1	6G94884.D	1	12/28/23	RK	12/22/23	OP51356	G6G3522

The QC reported here applies to the following samples: **Method:** SW846 8081B

JD79288-1, JD79288-2

CAS No.	Compound	JD79281-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
309-00-2	Aldrin	ND		6.11	3.9	64	5.99	3.7	62	5	10-200/38
319-84-6	alpha-BHC	ND		6.11	4.8	79	5.99	4.7	78	2	43-183/37
319-85-7	beta-BHC	ND		6.11	4.6	75	5.99	4.7	78	2	10-202/52
319-86-8	delta-BHC	ND		6.11	5.0	82	5.99	5.3	88	6	10-191/28
58-89-9	gamma-BHC (Lindane)	1.1		6.11	5.3	69	5.99	8.7	127	49* [a]	43-168/33
5103-71-9	alpha-Chlordane	2.2		6.11	6.0	62	5.99	5.5	55	9	10-194/46
5103-74-2	gamma-Chlordane	2.8		6.11	6.1	54	5.99	5.5	45	10	10-180/40
60-57-1	Dieldrin	4.5		6.11	10.2	93	5.99	8.5	67	18	12-197/40
72-54-8	4,4'-DDD	12.1		6.11	24.6	204* [b]	5.99	18.2	102	30	10-193/47
72-55-9	4,4'-DDE	1.9		6.11	5.9	65	5.99	6.2	72	5	10-207/50
50-29-3	4,4'-DDT	2.9		6.11	4.1	20	5.99	4.2	22	2	10-241/60
72-20-8	Endrin	ND		6.11	5.1	83	5.99	4.6	77	10	21-214/48
1031-07-8	Endosulfan sulfate	ND		6.11	3.8	62	5.99	5.8	97	42	10-183/53
7421-93-4	Endrin aldehyde	ND		6.11	7.9	129	5.99	7.9	132	0	10-205/53
959-98-8	Endosulfan-I	ND		6.11	3.9	64	5.99	3.9	65	0	10-186/40
33213-65-9	Endosulfan-II	ND		6.11	3.4	56	5.99	3.7	62	8	10-185/44
76-44-8	Heptachlor	ND		6.11	4.5	74	5.99	6.0	100	29	10-184/41
1024-57-3	Heptachlor epoxide	ND		6.11	6.9	113	5.99	7.0	117	1	10-210/35
72-43-5	Methoxychlor	ND		6.11	6.9	113	5.99	8.0	133	15	10-222/65
53494-70-5	Endrin ketone	ND		6.11	3.5	57	5.99	4.6	77	27	10-230/53
8001-35-2	Toxaphene	ND			ND			ND		nc	50-150/30

CAS No.	Surrogate Recoveries	MS	MSD	JD79281-1	Limits
877-09-8	Tetrachloro-m-xylene	93%	110%	97%	66-150%
877-09-8	Tetrachloro-m-xylene	104%	103%	113%	66-150%
2051-24-3	Decachlorobiphenyl	86%	91%	83%	40-150%
2051-24-3	Decachlorobiphenyl	116%	272%* [b]	134%	40-150%

(a) Analytical precision exceeds in-house control limits.
(b) Outside control limits due to matrix interference.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP51357-MS	RL10944.D	1	12/27/23	RK	12/22/23	OP51357	GRL247
OP51357-MSD	RL10945.D	1	12/27/23	RK	12/22/23	OP51357	GRL247
JD79281-2	RL10964.D	1	12/27/23	RK	12/22/23	OP51357	GRL247

The QC reported here applies to the following samples: **Method:** SW846 8082A

JD79288-1, JD79288-2

CAS No.	Compound	JD79281-2 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
12674-11-2	Aroclor 1016	ND		49.6	66.4	134	47.7	68.6	144	3	41-167/46
11104-28-2	Aroclor 1221	ND			ND			ND		nc	50-150/30
11141-16-5	Aroclor 1232	ND			ND			ND		nc	50-150/30
53469-21-9	Aroclor 1242	ND			ND			ND		nc	50-150/17
12672-29-6	Aroclor 1248	ND			ND			ND		nc	50-150/16
11097-69-1	Aroclor 1254	ND			ND			ND		nc	10-165/38
11096-82-5	Aroclor 1260	28.6		49.6	73.9	91	47.7	77.4	102	5	13-183/49
11100-14-4	Aroclor 1268	ND			ND			ND		nc	50-150/30
37324-23-5	Aroclor 1262	ND			ND			ND		nc	50-150/11

CAS No.	Surrogate Recoveries	MS	MSD	JD79281-2	Limits
877-09-8	Tetrachloro-m-xylene	104%	94%	83%	42-159%
877-09-8	Tetrachloro-m-xylene	101%	101%	92%	42-159%
2051-24-3	Decachlorobiphenyl	112%	112%	112%	18-154%
2051-24-3	Decachlorobiphenyl	121%	131%	116%	18-154%

* = Outside of Control Limits.

Internal Standard Area Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
Initial Cal [a]	317408698	5.15	309389309	4.83
Check Std [b]	275247026	5.16	273943520	4.83
Upper Limit [c]	476113047	5.66	464083963	5.33
Lower Limit [d]	158704349	4.66	154694654	4.33

Lab Sample ID	IS 1 AREA	IS 1 RT	IS 2 AREA	IS 2 RT
OP51356-MB1	276403483	5.17	271195821	4.84
OP51356-BS1	264797602	5.15	261057296	4.83
OP51354-MB1	269864135	5.15	260607696	4.82
OP51354-BS1	279742626	5.15	264650589	4.82
ZZZZZZ	291327929	5.15	242392844	4.82
ZZZZZZ	251909530	5.15	250571560	4.82
ZZZZZZ	277396509	5.15	250939236	4.82
ZZZZZZ	255333730	5.15	283447167	4.82
OP51356-MS	192902751	5.15	182386087	4.82
OP51356-MSD	198080142	5.15	187439765	4.82
ZZZZZZ	244679648	5.15	237837056	4.82
JD79288-1	254313804	5.15	256786503	4.82
JD79288-2	240228353	5.15	252625039	4.82
ZZZZZZ	252932901	5.15	236426189	4.82
ZZZZZZ	188690475	5.15	196356647	4.82
OP51354-MS	197843568	5.16	156392539	4.83
OP51354-MSD	244852484	5.15	205006957	4.82
JD79261-3	226429570	5.15	175672646	4.82

IS 1 = 1-Bromo-2-nitrobenzene (Signal #2)
IS 2 = 1-Bromo-2-nitrobenzene (Signal #1)

(a) Initial Cal is: G6G3507-ICC3507 6G94536.D 12/16/23 11:45. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to + 50% of initial cal area.
(c) Upper Limit = + 50% of initial standard area; Retention time + 0.5 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -0.5 minutes of check standard.

DDT/Endrin Breakdown Check

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3507-DDT	**Injection Date:**	12/16/23
Lab File ID:	6G94529.D	**Injection Time:**	08:38
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	140695484	192918052
4,4'-DDE	43252764	32942373
4,4'-DDT	5379879047	4099774513
DDT Breakdown [a]	3.3 %	5.2 %
Endrin aldehyde	185385071	120589837
Endrin ketone	197910551	132848267
Endrin	3534337055	2522910325
Endrin Breakdown [b]	9.8 %	9.1 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3507-IC3507	6G94533.D	12/16/23	10:44	02:06	Initial cal 0.2
G6G3507-IC3507	6G94534.D	12/16/23	11:04	02:26	Initial cal 0.5
G6G3507-IC3507	6G94535.D	12/16/23	11:25	02:47	Initial cal 1.0
G6G3507-ICC3507	6G94536.D	12/16/23	11:45	03:07	Initial cal 2.5
G6G3507-IC3507	6G94537.D	12/16/23	12:06	03:28	Initial cal 5.0
G6G3507-IC3507	6G94538.D	12/16/23	12:26	03:48	Initial cal 7.5
G6G3507-IC3507	6G94539.D	12/16/23	12:47	04:09	Initial cal 10
G6G3507-IC3507	6G94540.D	12/16/23	13:07	04:29	Initial cal 50
G6G3507-IC3507	6G94541.D	12/16/23	13:27	04:49	Initial cal 50
G6G3507-ICV3507	6G94542.D	12/16/23	13:48	05:10	Initial cal verification 2.5
G6G3507-ICV3507	6G94543.D	12/16/23	14:08	05:30	Initial cal verification 50
G6G3507-ICV3507	6G94544.D	12/16/23	14:29	05:51	Initial cal verification 50
G6G3508-CC3507	6G94545.D	12/16/23	15:08	06:30	Continuing cal 2.5
OP51141-MB1	6G94547.D	12/16/23	16:06	07:28	Method Blank
OP51141-BS1	6G94548.D	12/16/23	16:26	07:48	Blank Spike
OP51145-MB1	6G94549.D	12/16/23	16:47	08:09	Method Blank
OP51145-BS1	6G94550.D	12/16/23	17:07	08:29	Blank Spike
OP51145-MS	6G94551.D	12/16/23	17:27	08:49	Matrix Spike
OP51145-MSD	6G94552.D	12/16/23	17:47	09:10	Matrix Spike Duplicate
ZZZZZZ	6G94553.D	12/16/23	18:08	09:30	(unrelated sample)
ZZZZZZ	6G94554.D	12/16/23	18:28	09:50	(unrelated sample)
JD78688-1	6G94555.D	12/16/23	18:49	10:11	(used for QC only; not part of job JD79288)
OP51141-MS	6G94556.D	12/16/23	19:09	10:32	Matrix Spike
OP51141-MSD	6G94557.D	12/16/23	19:30	10:52	Matrix Spike Duplicate

DDT/Endrin Breakdown Check

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3507-DDT	**Injection Date:**	12/16/23
Lab File ID:	6G94529.D	**Injection Time:**	08:38
Instrument ID:	GC6G		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	6G94558.D	12/16/23	19:50	11:13	(unrelated sample)
ZZZZZZ	6G94559.D	12/16/23	20:11	11:33	(unrelated sample)
ZZZZZZ	6G94560.D	12/16/23	20:31	11:54	(unrelated sample)
JD78651-3	6G94564.D	12/16/23	21:53	13:15	(used for QC only; not part of job JD79288)

DDT/Endrin Breakdown Check

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample:	G6G3519-DDT	**Injection Date:**	12/26/23
Lab File ID:	6G94807.D	**Injection Time:**	23:30
Instrument ID:	GC6G		

Compound	Response Signal 1	Response Signal 2
4,4'-DDD	35109684	78221630
4,4'-DDE	9520443	13790960
4,4'-DDT	4601401177	5763823807
DDT Breakdown [a]	1 %	1.6 %
Endrin aldehyde	32439081	18839475
Endrin ketone	49174172	41903666
Endrin	3115509633	3320329086
Endrin Breakdown [b]	2.6 %	1.8 %

(a) Calculated as: (DDD + DDE) / (DDD + DDE + DDT) x 100
(b) Calculated as: (Endrin Aldehyde + Endrin Ketone) / (Endrin Aldehyde + Endrin Ketone + Endrin) x 100

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
G6G3519-CC3507	6G94808.D	12/26/23	23:51	00:20	Continuing cal 25
OP51356-MB1	6G94810.D	12/27/23	00:56	01:26	Method Blank
OP51356-BS1	6G94811.D	12/27/23	01:16	01:46	Blank Spike
OP51354-MB1	6G94812.D	12/27/23	01:37	02:07	Method Blank
OP51354-BS1	6G94813.D	12/27/23	01:57	02:27	Blank Spike
ZZZZZZ	6G94814.D	12/27/23	02:18	02:47	(unrelated sample)
ZZZZZZ	6G94815.D	12/27/23	02:38	03:07	(unrelated sample)
ZZZZZZ	6G94816.D	12/27/23	02:59	03:28	(unrelated sample)
ZZZZZZ	6G94817.D	12/27/23	03:19	03:49	(unrelated sample)
OP51356-MS	6G94818.D	12/27/23	03:40	04:09	Matrix Spike
OP51356-MSD	6G94819.D	12/27/23	04:00	04:30	Matrix Spike Duplicate
ZZZZZZ	6G94821.D	12/27/23	04:41	05:10	(unrelated sample)
JD79288-1	6G94822.D	12/27/23	05:01	05:31	SB-102 (3-3.5)
JD79288-2	6G94823.D	12/27/23	05:22	05:52	SB-101 (2.5-3)
ZZZZZZ	6G94824.D	12/27/23	05:42	06:11	(unrelated sample)
ZZZZZZ	6G94825.D	12/27/23	06:03	06:32	(unrelated sample)
OP51354-MS	6G94826.D	12/27/23	06:23	06:52	Matrix Spike
OP51354-MSD	6G94827.D	12/27/23	06:44	07:13	Matrix Spike Duplicate
JD79261-3	6G94828.D	12/27/23	07:04	07:33	(used for QC only; not part of job JD79288)

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51356-BS1	**Injection Date:**	12/27/23
Lab File ID:	6G94811.D	**Injection Time:**	01:16
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.16	7.16	6.1		ug/kg	1.6
Aldrin	2	8.27	8.27	6.2		ug/kg	
alpha-BHC	1	6.00	6.01	6.0		ug/kg	6.9
alpha-BHC	2 [a]	6.75	6.76	5.6		ug/kg	
beta-BHC	1	6.39	6.39	5.6		ug/kg	1.8
beta-BHC	2 [a]	7.29	7.30	5.5		ug/kg	
delta-BHC	1	6.58	6.59	5.8		ug/kg	1.7
delta-BHC	2 [a]	7.71	7.71	5.7		ug/kg	
gamma-BHC (Lindane)	1	6.31	6.31	5.8		ug/kg	7.1
gamma-BHC (Lindane)	2 [a]	7.20	7.21	5.4		ug/kg	
alpha-Chlordane	1 [a]	8.21	8.21	6.1		ug/kg	15.2
alpha-Chlordane	2	9.63	9.63	7.1		ug/kg	
gamma-Chlordane	1 [a]	8.04	8.04	6.1		ug/kg	17.9
gamma-Chlordane	2	9.40	9.41	7.3		ug/kg	
Dieldrin	1 [a]	8.71	8.71	5.8		ug/kg	20.2
Dieldrin	2	10.18	10.18	7.1		ug/kg	
4,4'-DDD	1	9.15	9.15	4.0		ug/kg	44.7
4,4'-DDD [b]	2 [a]	10.85	10.86	6.3		ug/kg	
4,4'-DDE	1 [a]	8.32	8.32	5.2		ug/kg	28.1
4,4'-DDE	2	9.89	9.89	6.9		ug/kg	
4,4'-DDT	1	9.56	9.56	3.9		ug/kg	48.5
4,4'-DDT [b]	2 [a]	11.39	11.40	6.4		ug/kg	
Endrin	1	9.03	9.03	5.3		ug/kg	27.6
Endrin [b]	2 [a]	10.69	10.69	7.0		ug/kg	
Endosulfan sulfate	1 [a]	10.65	10.65	5.9		ug/kg	22.6
Endosulfan sulfate	2	12.09	12.09	7.4		ug/kg	
Endrin aldehyde	1	9.97	9.97	6.3		ug/kg	13.3
Endrin aldehyde [b]	2 [a]	11.62	11.62	7.2		ug/kg	
Endosulfan-I	1 [a]	8.39	8.39	5.3		ug/kg	21.8
Endosulfan-I	2	9.73	9.74	6.6		ug/kg	
Endosulfan-II	1 [a]	9.36	9.36	5.7		ug/kg	16.1
Endosulfan-II	2	11.04	11.05	6.7		ug/kg	
Heptachlor	1	6.82	6.82	4.5		ug/kg	18.2
Heptachlor [b]	2 [a]	7.80	7.80	5.4		ug/kg	
Heptachlor epoxide	1	7.88	7.88	4.0		ug/kg	54.5
Heptachlor epoxide [b]	2 [a]	9.11	9.12	7.0		ug/kg	
Methoxychlor	1	10.35	10.35	3.7		ug/kg	31.8
Methoxychlor [b]	2 [a]	12.64	12.64	5.1		ug/kg	
Endrin ketone	1 [a]	11.09	11.09	5.0		ug/kg	16.5
Endrin ketone	2	13.04	13.04	5.9		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51356-BS1	**Injection Date:**	12/27/23
Lab File ID:	6G94811.D	**Injection Time:**	01:16
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc

(b) Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51356-MS	**Injection Date:**	12/27/23
Lab File ID:	6G94818.D	**Injection Time:**	03:40
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.16	7.16	3.9		ug/kg	24.7
Aldrin	2	8.27	8.27	5.0		ug/kg	
alpha-BHC	1 [a]	5.99	6.01	4.8		ug/kg	0.0
alpha-BHC	2	6.75	6.76	4.8		ug/kg	
beta-BHC	1 [a]	6.39	6.39	4.6		ug/kg	19.0
beta-BHC	2	7.30	7.30	3.8		ug/kg	
delta-BHC	1 [a]	6.58	6.59	5.0		ug/kg	2.0
delta-BHC	2	7.71	7.71	4.9		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.30	6.31	5.3		ug/kg	20.3
gamma-BHC (Lindane)	2	7.20	7.21	6.5		ug/kg	
alpha-Chlordane	1 [a]	8.21	8.21	6.0		ug/kg	22.2
alpha-Chlordane	2	9.64	9.63	7.5		ug/kg	
gamma-Chlordane	1 [a]	8.04	8.04	6.1		ug/kg	46.5
gamma-Chlordane	2	9.41	9.41	9.8		ug/kg	
Dieldrin	1 [a]	8.72	8.71	10.2		ug/kg	22.6
Dieldrin	2	10.18	10.18	12.8		ug/kg	
4,4'-DDD	1	9.15	9.15	22.6		ug/kg	8.5
4,4'-DDD	2 [a]	10.86	10.86	24.6	E	ug/kg	
4,4'-DDE	1 [a]	8.32	8.32	5.9		ug/kg	6.6
4,4'-DDE	2	9.90	9.89	6.3		ug/kg	
4,4'-DDT	1 [a]	9.57	9.56	4.1		ug/kg	71.9
4,4'-DDT	2	11.40	11.40	8.7		ug/kg	
Endrin	1 [a]	9.04	9.03	5.1		ug/kg	3.8
Endrin	2	10.70	10.69	5.3		ug/kg	
Endosulfan sulfate	1 [a]	10.65	10.65	3.8		ug/kg	49.5
Endosulfan sulfate	2	12.10	12.09	6.3		ug/kg	
Endrin aldehyde	1 [a]	9.97	9.97	7.9		ug/kg	98.1
Endrin aldehyde	2	11.63	11.62	2.7		ug/kg	
Endosulfan-I	1 [a]	8.39	8.39	3.9		ug/kg	26.7
Endosulfan-I	2	9.74	9.74	5.1		ug/kg	
Endosulfan-II	1 [a]	9.36	9.36	3.4		ug/kg	75.2
Endosulfan-II	2	11.05	11.05	7.5		ug/kg	
Heptachlor	1 [a]	6.82	6.82	4.5		ug/kg	2.2
Heptachlor	2	7.80	7.80	4.6		ug/kg	
Heptachlor epoxide	1	7.88	7.88	5.8		ug/kg	17.3
Heptachlor epoxide	2 [a]	9.12	9.12	6.9		ug/kg	
Methoxychlor	1 [a]	10.37	10.35	6.9		ug/kg	55.6
Methoxychlor	2	12.65	12.64	3.9		ug/kg	
Endrin ketone	1 [a]	11.10	11.09	3.5		ug/kg	25.0
Endrin ketone	2	13.05	13.04	4.5		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

Sample ID:	OP51356-MSD	**Injection Date:**	12/27/23
Lab File ID:	6G94819.D	**Injection Time:**	04:00
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aldrin	1 [a]	7.16	7.16	3.7		ug/kg	17.3
Aldrin	2	8.27	8.27	4.4		ug/kg	
alpha-BHC	1 [a]	6.00	6.01	4.7		ug/kg	0.0
alpha-BHC	2	6.75	6.76	4.7		ug/kg	
beta-BHC	1 [a]	6.39	6.39	4.7		ug/kg	16.1
beta-BHC	2	7.30	7.30	4.0		ug/kg	
delta-BHC	1 [a]	6.58	6.59	5.3		ug/kg	0.0
delta-BHC	2	7.71	7.71	5.3		ug/kg	
gamma-BHC (Lindane)	1 [a]	6.31	6.31	8.7		ug/kg	21.7
gamma-BHC (Lindane)	2	7.20	7.21	7.0		ug/kg	
alpha-Chlordane	1 [a]	8.22	8.21	5.5		ug/kg	16.7
alpha-Chlordane	2	9.64	9.63	6.5		ug/kg	
gamma-Chlordane	1 [a]	8.05	8.04	5.5		ug/kg	50.3
gamma-Chlordane	2	9.41	9.41	9.2		ug/kg	
Dieldrin	1 [a]	8.72	8.71	8.5		ug/kg	23.8
Dieldrin	2	10.18	10.18	10.8		ug/kg	
4,4'-DDD	1	9.16	9.15	18.4		ug/kg	1.1
4,4'-DDD	2 [a]	10.87	10.86	18.2		ug/kg	
4,4'-DDE	1 [a]	8.33	8.32	6.2		ug/kg	14.9
4,4'-DDE	2	9.90	9.89	7.2		ug/kg	
4,4'-DDT	1 [a]	9.58	9.56	4.2		ug/kg	47.3
4,4'-DDT	2	11.41	11.40	6.8		ug/kg	
Endrin	1 [a]	9.04	9.03	4.6		ug/kg	8.3
Endrin	2	10.70	10.69	5.0		ug/kg	
Endosulfan sulfate	1 [a]	10.66	10.65	5.8		ug/kg	6.7
Endosulfan sulfate	2	12.10	12.09	6.2		ug/kg	
Endrin aldehyde	1 [a]	9.98	9.97	7.9		ug/kg	103.8
Endrin aldehyde	2	11.63	11.62	2.5		ug/kg	
Endosulfan-I	1 [a]	8.39	8.39	3.9		ug/kg	18.6
Endosulfan-I	2	9.74	9.74	4.7		ug/kg	
Endosulfan-II	1 [a]	9.36	9.36	3.7		ug/kg	40.9
Endosulfan-II	2	11.06	11.05	5.6		ug/kg	
Heptachlor	1 [a]	6.82	6.82	6.0		ug/kg	30.8
Heptachlor	2	7.80	7.80	4.4		ug/kg	
Heptachlor epoxide	1	7.88	7.88	6.3		ug/kg	10.5
Heptachlor epoxide	2 [a]	9.12	9.12	7.0		ug/kg	
Methoxychlor	1 [a]	10.37	10.35	8.0		ug/kg	90.9
Methoxychlor	2	12.66	12.64	3.0		ug/kg	
Endrin ketone	1 [a]	11.11	11.09	4.6		ug/kg	30.0
Endrin ketone	2	13.05	13.04	3.4		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL247-CC144	**Injection Date:**	12/27/23
Lab File ID:	RL10940.D	**Injection Time:**	07:57
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51357-BS1	**Injection Date:**	12/27/23
Lab File ID:	RL10943.D	**Injection Time:**	09:28
Client ID:	Blank Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			38.9		ug/kg	9.1
Aroclor 1016	2			42.6		ug/kg	
AR1016-A	1	4.13	4.13	43.8		ug/kg	
AR1016-A	2	4.69	4.69	46.6		ug/kg	
AR1016-B	1	4.42	4.41	42.3		ug/kg	
AR1016-B	2	5.08	5.07	43.5		ug/kg	
AR1016-C	1	4.82	4.81	38.7		ug/kg	
AR1016-C	2	5.58	5.58	40.0		ug/kg	
AR1016-D	1	4.94	4.92	36.1		ug/kg	
AR1016-D	2	5.75	5.74	41.8		ug/kg	
AR1016-E	1	5.32	5.30	33.8		ug/kg	
AR1016-E	2	6.39	6.39	41.0		ug/kg	
Aroclor 1260	1 [a]			37.6		ug/kg	7.2
Aroclor 1260	2			40.4		ug/kg	
AR1260-A	1	7.30	7.28	36.4		ug/kg	
AR1260-A	2	8.41	8.41	43.1		ug/kg	
AR1260-B	1	7.81	7.78	42.1		ug/kg	
AR1260-B	2	8.87	8.87	42.2		ug/kg	
AR1260-C	1	8.10	8.08	35.9		ug/kg	
AR1260-C	2	9.16	9.16	39.5		ug/kg	
AR1260-D	1	8.44	8.42	37.8		ug/kg	
AR1260-D	2	9.38	9.37	39.3		ug/kg	
AR1260-E	1	8.73	8.71	35.6		ug/kg	
AR1260-E	2	9.72	9.70	38.0		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL247-CC144	**Injection Date:**	12/27/23
Lab File ID:	RL10940.D	**Injection Time:**	07:57
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51357-MS	**Injection Date:**	12/27/23
Lab File ID:	RL10944.D	**Injection Time:**	09:45
Client ID:	Matrix Spike		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			66.4		ug/kg	11.0
Aroclor 1016	2			59.5		ug/kg	
AR1016-B	1	4.42	4.41	105		ug/kg	
AR1016-B	2	5.08	5.07	55.6		ug/kg	
AR1016-C	1	4.81	4.81	45.6		ug/kg	
AR1016-C	2	5.58	5.58	68.1		ug/kg	
AR1016-D	1	4.92	4.92	48.5		ug/kg	
AR1016-D	2	5.74	5.74	54.7		ug/kg	
Aroclor 1260	1			70.0		ug/kg	5.4
Aroclor 1260	2 [a]			73.9		ug/kg	
AR1260-A	1	7.28	7.28	73.9		ug/kg	
AR1260-A	2	8.41	8.41	74.0		ug/kg	
AR1260-B	1	7.79	7.78	69.9		ug/kg	
AR1260-B	2	8.87	8.87	68.3		ug/kg	
AR1260-C	1	8.08	8.08	66.2		ug/kg	
AR1260-C	2	9.16	9.16	79.4		ug/kg	

(a) QC results reported from this column.

GC Identification Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL247-CC144	**Injection Date:**	12/27/23
Lab File ID:	RL10940.D	**Injection Time:**	07:57
Instrument ID:	GCRL	**Method:**	SW846 8082A

Sample ID:	OP51357-MSD	**Injection Date:**	12/27/23
Lab File ID:	RL10945.D	**Injection Time:**	10:01
Client ID:	Matrix Spike Duplicate		

Compound	Column	RT	StdRT	Conc	Q	Units	RPD Conc
Aroclor 1016	1 [a]			68.6		ug/kg	24.9
Aroclor 1016	2			53.4		ug/kg	
AR1016-B	1	4.42	4.41	72.1		ug/kg	
AR1016-B	2	5.08	5.07	52.0		ug/kg	
AR1016-C	1	4.81	4.81	42.0		ug/kg	
AR1016-C	2	5.58	5.58	55.8		ug/kg	
AR1016-D	1	4.92	4.92	91.8		ug/kg	
AR1016-D	2	5.74	5.74	52.5		ug/kg	
Aroclor 1260	1			74.9		ug/kg	3.3
Aroclor 1260	2 [a]			77.4		ug/kg	
AR1260-A	1	7.28	7.28	79.7		ug/kg	
AR1260-A	2	8.41	8.41	76.6		ug/kg	
AR1260-B	1	7.79	7.78	73.5		ug/kg	
AR1260-B	2	8.87	8.87	65.5		ug/kg	
AR1260-C	1	8.08	8.08	71.6		ug/kg	
AR1260-C	2	9.16	9.16	90.0		ug/kg	

(a) QC results reported from this column.

Surrogate Recovery Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8081B **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79288-1	6G94822.D	93	116	52	70
JD79288-2	6G94823.D	97	128	54	81
OP51356-BS1	6G94811.D	116	145	109	123
OP51356-MB1	6G94810.D	113	139	105	115
OP51356-MS	6G94818.D	93	104	86	116
OP51356-MSD	6G94819.D	110	103	91	272* [c]

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	66-150%
S2 = Decachlorobiphenyl	40-150%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2
(c) Outside control limits due to matrix interference.

Surrogate Recovery Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Method: SW846 8082A **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]	S2 [a]	S2 [b]
JD79288-1	RL10946.D	83	94	99	116
JD79288-2	RL10947.D	86	96	97	98
OP51357-BS1	RL10943.D	98	107	108	117
OP51357-MB1	RL10942.D	94	104	103	114
OP51357-MS	RL10944.D	104	101	112	121
OP51357-MSD	RL10945.D	94	101	112	131

Surrogate Compounds	Recovery Limits
S1 = Tetrachloro-m-xylene	42-159%
S2 = Decachlorobiphenyl	18-154%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	G6G3519-CC3507	**Injection Date:**	12/26/23
Lab File ID:	6G94808.D	**Injection Time:**	23:51
Instrument ID:	GC6G	**Method:**	SW846 8081B

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	5.50	6.05	12.88	14.62

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51356-MB1	6G94810.D	12/27/23	00:56	5.52	6.06	12.89	14.62
OP51356-BS1	6G94811.D	12/27/23	01:16	5.50	6.04	12.88	14.62
OP51354-MB1	6G94812.D	12/27/23	01:37	5.49	6.04	12.88	14.62
OP51354-BS1	6G94813.D	12/27/23	01:57	5.49	6.04	12.88	14.62
ZZZZZZ	6G94814.D	12/27/23	02:18	5.49	6.04	12.88	14.62
ZZZZZZ	6G94815.D	12/27/23	02:38	5.49	6.04	12.87	14.62
ZZZZZZ	6G94816.D	12/27/23	02:59	5.49	6.04	12.88	14.63
ZZZZZZ	6G94817.D	12/27/23	03:19	5.49	6.04	12.88	14.62
OP51356-MS	6G94818.D	12/27/23	03:40	5.49	6.05	12.91	14.64
OP51356-MSD	6G94819.D	12/27/23	04:00	5.50	6.05	12.92	14.64
ZZZZZZ	6G94821.D	12/27/23	04:41	5.49	6.04	12.88	14.63
JD79288-1	6G94822.D	12/27/23	05:01	5.49	6.04	12.88	14.62
JD79288-2	6G94823.D	12/27/23	05:22	5.49	6.04	12.88	14.62
ZZZZZZ	6G94824.D	12/27/23	05:42	5.49	6.04	12.88	14.64
ZZZZZZ	6G94825.D	12/27/23	06:03	5.49	6.05	12.85	14.62
OP51354-MS	6G94826.D	12/27/23	06:23	5.50	6.06	12.91	14.62
OP51354-MSD	6G94827.D	12/27/23	06:44	5.50	6.06	12.86	14.64
JD79261-3	6G94828.D	12/27/23	07:04	5.49	6.05	12.86	14.64

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Check Std:	GRL247-CC144	**Injection Date:**	12/27/23
Lab File ID:	RL10940.D	**Injection Time:**	07:57
Instrument ID:	GCRL	**Method:**	SW846 8082A

	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
Check Std	3.83	4.24	9.71	10.66

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT	S2 [a] RT	S2 [b] RT
OP51357-MB1	RL10942.D	12/27/23	09:03	3.84	4.24	9.74	10.70
OP51357-BS1	RL10943.D	12/27/23	09:28	3.84	4.24	9.74	10.70
OP51357-MS	RL10944.D	12/27/23	09:45	3.84	4.25	9.74	10.69
OP51357-MSD	RL10945.D	12/27/23	10:01	3.84	4.25	9.74	10.68
JD79288-1	RL10946.D	12/27/23	10:18	3.84	4.24	9.71	10.67
JD79288-2	RL10947.D	12/27/23	10:34	3.83	4.24	9.71	10.66
ZZZZZZ	RL10948.D	12/27/23	10:51	3.83	4.24	9.71	10.66

Surrogate Compounds

S1 = Tetrachloro-m-xylene
S2 = Decachlorobiphenyl

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICC3507
Lab FileID: 6G94536.D

Response Factor Report GC6G

Method : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 16:30:51 2023
Response via : Initial Calibration

Calibration Files
2 =6g94533.d 5 =6g94534.d 10 =6g94535.d 25 =6g94536.d
50 =6g94537.d 100 =6g94539.d 75 =6g94538.d =

Compound	2	5	10	25	50	100	75	Avg	%RSD
1) I 1-bromo-2-nitrobenzen	ISTD								
2) Tetrachloro-	1.081	1.056	0.960	0.994	0.999	0.973	0.968	1.004	4.62
3) hexachlorobe	1.439	1.455	1.359	1.277	1.275	1.262	1.274	1.334	6.27
4) alpha-BHC	1.781	1.752	1.638	1.601	1.648	1.663	1.664	1.678	3.83
5) gamma-BHC	1.589	1.580	1.471	1.409	1.520	1.479	1.470	1.503	4.32
6) Heptachlor	1.593	1.619	1.390	1.317	1.332	1.322	1.331	1.415	9.39
7) beta-BHC	0.805	0.771	0.697	0.597	0.601	0.597	0.600	0.667	13.59
8) delta-BHC	1.593	1.708	1.533	1.373	1.433	1.485	1.469	1.513	7.30
----- Quadratic regression ----- Coefficient = 0.9998									
Response Ratio = 0.02128 + 1.34629 *A + 0.06559 *A^2									
9) Aldrin	1.677	1.615	1.406	1.335	1.364	1.364	1.370	1.447	9.56
10) alachlor		0.212	0.174	0.154	0.140		0.131	0.162	19.79
11) Heptachlor E	1.013	0.959	0.972	0.906	0.959	0.947	0.945	0.957	3.36
12) gamma-Chlord	1.546	1.501	1.379	1.280	1.291	1.320	1.316	1.376	7.71
13) alpha-Chlord	1.549	1.484	1.337	1.245	1.247	1.262	1.263	1.341	9.33
14) Endosulfan I	1.547	1.478	1.315	1.209	1.182	1.154	1.178	1.295	12.26
15) 4,4'-DDE	1.405	1.360	1.220	1.157	1.170	1.169	1.172	1.236	8.31
16) Dieldrin	1.652	1.598	1.432	1.327	1.362	1.321	1.308	1.429	9.89
17) Endrin	1.345	1.301	1.162	1.083	1.082	1.070	1.075	1.160	10.04
18) 4,4'-DDD	1.094	1.008	0.940	0.893	0.899	0.894	0.899	0.947	8.16
19) Endosulfan I	1.460	1.409	1.245	1.143	1.109	1.075	1.096	1.220	12.91
20) 4,4'-DDT	0.909	0.909	0.865	0.846	0.874	0.885	0.878	0.881	2.58
21) Endrin Aldeh	1.642	1.502	1.170	0.952	0.907	0.824	0.851	1.121	29.47
----- Quadratic regression ----- Coefficient = 0.9996									
Response Ratio = 0.04644 + 0.90371 *A + -0.05220 *A^2									
22) Endosulfan S	1.416	1.334	1.178	1.075	1.041	1.004	1.027	1.154	14.13
23) Methoxychlor	0.446	0.406	0.395	0.372	0.350	0.353	0.348	0.381	9.57
24) Mirex	1.046	1.001	0.953	0.908	0.880	0.872	0.876	0.934	7.35
25) Endrin Keton	1.623	1.572	1.391	1.273	1.211	1.161	1.194	1.347	13.92
26) Decachlorobi			1.238	1.116	1.054	1.010	1.037	1.091	8.33
27) I 1-bromo-2-nitrobenzen	ISTD								
28) Toxaphene{A}				0.008				0.008	0.00
29) Toxaphene{B}				0.024				0.024	0.00
30) Toxaphene{C}				0.028				0.028	0.00
31) Toxaphene{D}				0.017				0.017	0.00
32) Toxaphene{E}				0.027				0.027	0.00
33) I 1-bromo-2-nitrobenzen	ISTD								
34) Chlordane {A				0.068				0.068	0.00
35) Chlordane {B				0.035				0.035	0.00
36) Chlordane {C				0.150				0.150	0.00
37) Chlordane {D				0.222				0.222	0.00
38) Chlordane {E				0.032				0.032	0.00

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICC3507
Lab FileID: 6G94536.D

Signal #2

1)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
2)	Tetrachloro-	0.670	0.696	0.806	0.752	0.803	0.779	0.811	0.759	7.45
3)	hexachlorobe	1.550	1.443	1.389	1.269	1.301	1.245	1.267	1.352	8.39
4)	alpha-BHC	1.730	1.721	1.549	1.535	1.557	1.549	1.561	1.600	5.38
5)	gamma-BHC	1.571	1.527	1.356	1.291	1.319	1.327	1.337	1.390	7.99
6)	Heptachlor	1.474	1.447	1.260	1.156	1.139	1.120	1.146	1.249	12.15
7)	beta-BHC	0.820	0.730	0.628	0.563	0.551	0.540	0.551	0.626	17.43
8)	delta-BHC	1.671	1.487	1.282	1.186	1.279	1.280	1.290	1.354	12.33
	----- Quadratic regression ----- Coefficient = 0.9995									
	Response Ratio = 0.01070 + 1.23238 *A + 0.02410 *A^2									
9)	Aldrin	1.460	1.343	1.172	1.073	1.078	1.064	1.084	1.182	13.37
10)	alachlor		0.183	0.168	0.144	0.134		0.125	0.151	16.09
11)	Heptachlor E	1.312	1.167	1.008	0.902	0.888	0.859	0.884	1.003	17.30
12)	gamma-Chlord	1.208	1.124	0.984	0.892	0.920	0.885	0.899	0.987	13.04
13)	alpha-Chlord	1.183	1.079	0.944	0.851	0.902	0.869	0.894	0.960	12.90
14)	Endosulfan I	1.318	1.107	0.939	0.834	0.865	0.813	0.854	0.961	19.34
15)	4,4'-DDE	1.236	1.131	0.999	0.907	0.931	0.891	0.908	1.000	13.32
16)	Dieldrin	1.319	1.183	1.037	0.934	0.929	0.896	0.915	1.030	15.74
17)	Endrin	1.096	0.968	0.838	0.769	0.855	0.756	0.766	0.864	14.62
18)	4,4'-DDD	1.193	0.978	0.865	0.772	0.768	0.750	0.766	0.870	18.84
19)	Endosulfan I	1.235	1.070	0.927	0.827	0.813	0.777	0.800	0.921	18.62
20)	4,4'-DDT	0.698	0.655	0.616	0.603	0.643	0.660	0.653	0.647	4.79
21)	Endrin Aldeh	1.214	1.356	0.856	0.663	0.671	0.587	0.631	0.854	36.20
	----- Quadratic regression ----- Coefficient = 0.9979									
	Response Ratio = 0.03698 + 0.67687 *A + -0.05241 *A^2									
22)	Endosulfan S	1.011	0.893	0.791	0.724	0.726	0.708	0.724	0.797	14.38
23)	Methoxychlor	0.423	0.380	0.336	0.317	0.329	0.315	0.327	0.347	11.56
24)	Mirex	0.665	0.656	0.608	0.582	0.576	0.573	0.582	0.606	6.46
25)	Endrin Keton	1.065	1.034	0.906	0.841	0.844	0.822	0.843	0.908	11.07
26)	Decachlorobi			0.690	0.647	0.637	0.636	0.643	0.651	3.47
27)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
28)	Toxaphene{A}					0.005			0.005	0.00
29)	Toxaphene{B}					0.006			0.006	0.00
30)	Toxaphene{C}					0.012			0.012	0.00
31)	Toxaphene{D}					0.023			0.023	0.00
32)	Toxaphene{E}					0.009			0.009	0.00
33)	I 1-bromo-2-nitrobenzen	----------ISTD----------								
34)	Chlordane {A					0.054			0.054	0.00
35)	Chlordane {B					0.025			0.025	0.00
36)	Chlordane {C					0.096			0.096	0.00
37)	Chlordane {D					0.119			0.119	0.00
38)	Chlordane {E					0.021			0.021	0.00

(#) = Out of Range ### Number of calibration levels exceeded format ###

6PSTLVI3507.M Sat Dec 16 17:12:32 2023

8.9.1

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\g6g3507\6g94542.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\g6g3507\6g94542.d\ECD2B.CH
Acq On : 16 Dec 2023 13:48 pm Operator: rebeccak
Sample : icv3507-2.5(pest mix) Inst : GC6G
Misc : op51101,g6g3507,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Sat Dec 16 16:30:51 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.076	-7.2	112	0.00	5.48- 5.54
3		hexachlorobenzene	1.334	1.124	15.7	91	0.00	5.83- 5.89
4	A	alpha-BHC	1.678	1.450	13.6	94	0.00	5.98- 6.04
5	MA	gamma-BHC	1.503	1.323	12.0	97	0.00	6.30- 6.36
6	MA	Heptachlor	1.415	1.268	10.4	100	0.00	6.81- 6.87
7	B	beta-BHC	0.667	0.567	15.0	98	0.00	6.39- 6.45
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.002	19.9	86	0.00	6.58- 6.64
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.447	1.250	13.6	97	0.00	7.15- 7.21
10		alachlor	0.162	0.149	8.0	100	0.00	7.32- 7.38
11	B	Heptachlor Epoxide	0.957	0.823	14.0	94	0.00	7.88- 7.94
12	B	gamma-Chlordane	1.376	1.229	10.7	99	0.00	8.04- 8.10
13	B	alpha-Chlordane	1.341	1.193	11.0	99	0.00	8.21- 8.27
14	A	Endosulfan I	1.295	1.131	12.7	97	0.00	8.39- 8.45
15	B	4,4'-DDE	1.236	1.118	9.5	100	0.00	8.32- 8.38
16	MA	Dieldrin	1.429	1.285	10.1	100	0.00	8.71- 8.77
17	MA	Endrin	1.160	1.076	7.2	103	0.00	9.04- 9.10
18	A	4,4'-DDD	0.947	0.868	8.3	101	0.00	9.15- 9.21
19	B	Endosulfan II	1.220	1.043	14.5	94	0.00	9.36- 9.42
20	MA	4,4'-DDT	0.881	0.858	2.6	105	0.00	9.57- 9.63
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.641	-5.6	111	0.00	9.98-10.04
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.154	0.993	14.0	96	0.00	10.66-10.72
23	A	Methoxychlor	0.381	0.364	4.5	101	0.00	10.36-10.42
24		Mirex	0.934	0.928	0.6	106	0.00	10.53-10.59
25	B	Endrin Ketone	1.347	1.187	11.9	96	0.00	11.10-11.16
26	SA	Decachlorobiphenyl	1.091	1.230	-12.7	114	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

8.9.2
8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.759	0.773	-1.8	106	0.00	6.02- 6.08
3		hexachlorobenzene	1.352	1.149	15.0	94	0.00	6.57- 6.63
4	A	alpha-BHC	1.600	1.414	11.6	95	0.00	6.74- 6.80
5	MA	gamma-BHC	1.390	1.230	11.5	98	0.00	7.19- 7.25
6	MA	Heptachlor	1.249	1.114	10.8	100	0.00	7.79- 7.85
7	B	beta-BHC	0.626	0.506	19.2	93	0.00	7.28- 7.34
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.127	14.9	94	0.00	7.70- 7.76
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	1.048	11.3	101	0.00	8.26- 8.32
10		alachlor	0.151	0.135	10.6	96	0.00	8.07- 8.13
11	B	Heptachlor Epoxide	1.003	0.892	11.1	102	0.00	9.11- 9.17
12	B	gamma-Chlordane	0.987	0.883	10.5	102	0.00	9.40- 9.46
13	B	alpha-Chlordane	0.960	0.835	13.0	101	0.00	9.63- 9.69
14	A	Endosulfan I	0.961	0.814	15.3	101	0.00	9.73- 9.79
15	B	4,4'-DDE	1.000	0.897	10.3	102	0.00	9.89- 9.95
16	MA	Dieldrin	1.030	0.927	10.0	103	0.00	10.17-10.23
17	MA	Endrin	0.864	0.793	8.2	107	0.00	10.69-10.75
18	A	4,4'-DDD	0.870	0.750	13.8	100	0.00	10.85-10.91
19	B	Endosulfan II	0.921	0.791	14.1	99	0.00	11.04-11.10
20	MA	4,4'-DDT	0.647	0.632	2.3	108	0.00	11.39-11.45
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.374	5.0	108	0.00	11.62-11.68
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.670	15.9	96	0.00	12.09-12.15
23	A	Methoxychlor	0.347	0.319	8.1	104	0.00	12.64-12.70
24		Mirex	0.606	0.562	7.3	100	0.00	12.97-13.03
25	B	Endrin Ketone	0.908	0.769	15.3	95	0.00	13.03-13.09
26	SA	Decachlorobiphenyl	0.651	0.751	-15.4	120	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.66- 5.66
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

8.9.2

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94542.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Sat Dec 16 17:11:37 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

Evaluate Continuing Calibration Report

```
Signal #1 : C:\msdchem\1\data\g6g3507\6g94543.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\g6g3507\6g94543.d\ECD2B.CH
Acq On    : 16 Dec 2023  14:08 pm                    Operator: rebeccak
Sample    : icv3507-50(chlordane)                    Inst    : GC6G
Misc      : op51101,g6g3507,5.0,,,10,1               Multiplr: 1.00
IntFile Signal #1: autoint1.e   IntFile Signal #2: autoint2.e

Method       : C:\MSDCHEM\1\METHODS\6PSTLVI3507.M (ChemStation Integrator)
Title        : PEST/PCB
Last Update  : Sat Dec 16 16:30:51 2023
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 150%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	111	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.182	-17.7	131	0.00	5.48- 5.54
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True	Calc.	% Drift ----------				
8	B	delta-BHC		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True	Calc.	% Drift ----------				
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF	CCRF	% Dev ----------				
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	1.091	1.316	-20.6#	139	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	103	0.00	4.33- 5.33
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				

8.9.3

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.33- 5.33
34		Chlordane {A}	0.068	0.078	-14.7	90	0.00	6.74- 6.94
35		Chlordane {B}	0.035	0.043	-22.9#	96	0.00	7.22- 7.42
36		Chlordane {C}	0.150	0.170	-13.3	89	0.00	7.97- 8.17
37		Chlordane {D}	0.222	0.261	-17.6	92	0.00	8.13- 8.33
38		Chlordane {E}	0.032	0.039	-21.9#	96	0.00	9.19- 9.39

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	114	0.00	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.759	0.776	-2.2	110	0.00	6.02- 6.08
3		hexachlorobenzene	----------NA----------					
4	A	alpha-BHC	----------NA----------					
5	MA	gamma-BHC	----------NA----------					
6	MA	Heptachlor	----------NA----------					
7	B	beta-BHC	----------NA----------					
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	----------NA----------					
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	----------NA----------					
10		alachlor	----------NA----------					
11	B	Heptachlor Epoxide	----------NA----------					
12	B	gamma-Chlordane	----------NA----------					
13	B	alpha-Chlordane	----------NA----------					
14	A	Endosulfan I	----------NA----------					
15	B	4,4'-DDE	----------NA----------					
16	MA	Dieldrin	----------NA----------					
17	MA	Endrin	----------NA----------					
18	A	4,4'-DDD	----------NA----------					
19	B	Endosulfan II	----------NA----------					
20	MA	4,4'-DDT	----------NA----------					
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	----------NA----------					
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	----------NA----------					
23	A	Methoxychlor	----------NA----------					
24		Mirex	----------NA----------					
25	B	Endrin Ketone	----------NA----------					
26	SA	Decachlorobiphenyl	0.651	0.764	-17.4	137	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	105	0.00	4.65- 5.65
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	78	0.00	4.65- 5.65
34		Chlordane {A}	0.054	0.064	-18.5	93	0.00	7.72- 7.92
35		Chlordane {B}	0.025	0.031	-24.0#	96	0.00	8.39- 8.59
36		Chlordane {C}	0.096	0.109	-13.5	89	0.00	9.33- 9.53
37		Chlordane {D}	0.119	0.146	-22.7#	96	0.00	9.56- 9.76
38		Chlordane {E}	0.021	0.026	-23.8#	97	0.00	11.05-11.25

8.9.3

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94543.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94537.d 6PSTLVI3507.M Sat Dec 16 17:12:10 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94544.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\6g94544.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\6g94544.d\ECD2B.CH
Acq On : 16 Dec 2023 2:29 pm Operator: rebeccak
Sample : icv3507-50(toxaphene) Inst : GC6G
Misc : op51101,g6g3507,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\methods\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Mon Dec 18 07:30:35 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	1.135	-13.0	111	0.00	5.48- 5.54
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
8	B	delta-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	1.091	1.295	-18.7	119	0.00	12.88-12.94
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.33- 5.33
28	L8	Toxaphene{A}	0.008	0.010	-25.0#	107	-0.03	8.84- 9.04
29	L8	Toxaphene{B}	0.024	0.030	-25.0#	113	0.00	9.78- 9.98
30	L8	Toxaphene{C}	0.028	0.019	32.1#	63	0.03	10.11-10.31
31	L8	Toxaphene{D}	0.017	0.020	-17.6	103	0.00	10.28-10.48
32	L8	Toxaphene{E}	0.027	0.029	-7.4	97	0.00	10.43-10.63

8.9.4
8

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	69	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.65- 5.65
2	SAB	Tetrachloro-m-xylene	0.759	0.616	18.8	75	0.00	6.02- 6.08
3		hexachlorobenzene		----------NA----------				
4	A	alpha-BHC		----------NA----------				
5	MA	gamma-BHC		----------NA----------				
6	MA	Heptachlor		----------NA----------				
7	B	beta-BHC		----------NA----------				
		---------- True Calc. % Drift ----------						
8	B	delta-BHC		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin		----------NA----------				
10		alachlor		----------NA----------				
11	B	Heptachlor Epoxide		----------NA----------				
12	B	gamma-Chlordane		----------NA----------				
13	B	alpha-Chlordane		----------NA----------				
14	A	Endosulfan I		----------NA----------				
15	B	4,4'-DDE		----------NA----------				
16	MA	Dieldrin		----------NA----------				
17	MA	Endrin		----------NA----------				
18	A	4,4'-DDD		----------NA----------				
19	B	Endosulfan II		----------NA----------				
20	MA	4,4'-DDT		----------NA----------				
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde		----------NA----------				
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate		----------NA----------				
23	A	Methoxychlor		----------NA----------				
24		Mirex		----------NA----------				
25	B	Endrin Ketone		----------NA----------				
26	SA	Decachlorobiphenyl	0.651	0.750	-15.2	114	0.00	14.61-14.67
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	90	0.00	4.65- 5.65
28	L8	Toxaphene{A}	0.005	0.005	0.0	82	0.00	9.43- 9.63
29	L8	Toxaphene{B}	0.006	0.007	-16.7	111	0.00	10.23-10.43
30	L8	Toxaphene{C}	0.012	0.014	-16.7	105	0.00	11.42-11.62
31	L8	Toxaphene{D}	0.023	0.032	-39.1#	124	0.00	11.54-11.74
32	L8	Toxaphene{E}	0.009	0.008	11.1	81	0.00	12.64-12.84
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	66	0.00	4.65- 5.65
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3507-ICV3507
Lab FileID: 6G94544.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94537.d 6PSTLVI3507.M Mon Dec 18 07:03:53 2023

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\la...19\6g94808.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\laylan...6g3519\6g94808.d\ECD2B.CH
Acq On : 26-Dec-23, 23:51:03 Operator: christp
Sample : cc3507-25 Inst : GC6G
Misc : op51156,g6g3519,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...19\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Wed Dec 27 15:28:04 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
2	SAB	Tetrachloro-m-xylene	1.004	0.999	0.5	95	0.00	5.47- 5.53
3		hexachlorobenzene	1.334	1.525	-14.3	113	0.00	5.83- 5.89
4	A	alpha-BHC	1.678	1.708	-1.8	101	0.00	5.98- 6.04
5	MA	gamma-BHC	1.503	1.475	1.9	99	0.00	6.28- 6.34
6	MA	Heptachlor	1.415	1.122	20.7#	81	0.00	6.79- 6.85
7	B	beta-BHC	0.667	0.617	7.5	98	0.00	6.36- 6.42
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.497	0.1	98	0.00	6.56- 6.62
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.447	1.431	1.1	102	0.00	7.13- 7.19
10		alachlor	0.162	0.128	21.0#	79	0.00	7.27- 7.33
11	B	Heptachlor Epoxide	0.957	0.617	35.5#	64	0.00	7.85- 7.91
12	B	gamma-Chlordane	1.376	1.403	-2.0	104	0.00	8.01- 8.07
13	B	alpha-Chlordane	1.341	1.346	-0.4	102	0.00	8.18- 8.24
14	A	Endosulfan I	1.295	1.316	-1.6	103	0.00	8.36- 8.42
15	B	4,4'-DDE	1.236	1.064	13.9	87	0.00	8.29- 8.35
16	MA	Dieldrin	1.429	1.344	5.9	96	0.00	8.68- 8.74
17	MA	Endrin	1.160	0.911	21.5#	80	0.00	9.00- 9.06
18	A	4,4'-DDD	0.947	0.612	35.4#	65	0.00	9.12- 9.18
19	B	Endosulfan II	1.220	1.157	5.2	96	0.00	9.33- 9.39
20	MA	4,4'-DDT	0.881	0.606	31.2#	68	0.00	9.53- 9.59
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	1.984	20.6#	79	0.00	9.94-10.00
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.154	1.099	4.8	97	0.00	10.62-10.68
23	A	Methoxychlor	0.381	0.238	37.5#	61	0.00	10.32-10.38
24		Mirex	0.934	0.939	-0.5	98	0.00	10.49-10.55
25	B	Endrin Ketone	1.347	1.090	19.1	81	0.00	11.06-11.12
26	SA	Decachlorobiphenyl	1.091	0.924	15.3	78	0.00	12.85-12.91
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

8.9.5

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	95	0.00	4.33- 5.33
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

***** Signal #2 *****

1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
2	SAB	Tetrachloro-m-xylene	0.759	0.954	-25.7#	118	0.00	6.02- 6.08
3		hexachlorobenzene	1.352	1.307	3.3	95	0.00	6.56- 6.62
4	A	alpha-BHC	1.600	1.533	4.2	93	0.00	6.73- 6.79
5	MA	gamma-BHC	1.390	1.203	13.5	86	0.00	7.18- 7.24
6	MA	Heptachlor	1.249	1.171	6.2	94	0.00	7.77- 7.83
7	B	beta-BHC	0.626	0.580	7.3	96	0.00	7.27- 7.33
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.507	-0.3	99	0.00	7.68- 7.74
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	1.241	-5.0	107	0.00	8.24- 8.30
10		alachlor	0.151	0.166	-9.9	107	0.00	8.04- 8.10
11	B	Heptachlor Epoxide	1.003	1.170	-16.7	120	0.00	9.09- 9.15
12	B	gamma-Chlordane	0.987	1.221	-23.7#	127	0.00	9.38- 9.44
13	B	alpha-Chlordane	0.960	1.145	-19.3	125	0.00	9.60- 9.66
14	A	Endosulfan I	0.961	1.103	-14.8	123	0.00	9.71- 9.77
15	B	4,4'-DDE	1.000	1.179	-17.9	120	0.00	9.86- 9.92
16	MA	Dieldrin	1.030	1.209	-17.4	120	0.00	10.15-10.21
17	MA	Endrin	0.864	0.948	-9.7	114	0.00	10.66-10.72
18	A	4,4'-DDD	0.870	0.905	-4.0	109	0.00	10.83-10.89
19	B	Endosulfan II	0.921	1.037	-12.6	116	0.00	11.02-11.08
20	MA	4,4'-DDT	0.647	0.710	-9.7	109	0.00	11.37-11.43
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.274	9.0	93	0.00	11.59-11.65
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.979	-22.8#	125	0.00	12.06-12.12
23	A	Methoxychlor	0.347	0.280	19.3	82	0.00	12.61-12.67
24		Mirex	0.606	0.628	-3.6	100	0.00	12.95-13.01
25	B	Endrin Ketone	0.908	0.879	3.2	97	0.00	13.01-13.07
26	SA	Decachlorobiphenyl	0.651	0.659	-1.2	94	0.00	14.59-14.65
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.66- 5.66
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3519-CC3507
Lab FileID: 6G94808.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Wed Dec 27 15:41:48 2023

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...21\6g94841.d\ECD1A.CH Vial: 0
Signal #2 : C:\msdchem\1\data\chrisc2\g6g3521\6g94841.d\ECD2B.CH
Acq On : 28-Dec-23, 00:28:30 Operator: christp
Sample : cc3507-2.5 Inst : GC6G
Misc : op51354,g6g3521,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...21\6PSTLVI3507.M (ChemStation Integrator)
Title : PEST/PCB
Last Update : Thu Dec 28 14:23:51 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
2	SAB	Tetrachloro-m-xylene	1.004	0.960	4.4	90	0.00	5.50- 5.56
3		hexachlorobenzene	1.334	1.475	-10.6	107	0.00	5.86- 5.92
4	A	alpha-BHC	1.678	1.537	8.4	89	0.00	6.01- 6.07
5	MA	gamma-BHC	1.503	1.387	7.7	92	0.00	6.32- 6.38
6	MA	Heptachlor	1.415	1.092	22.8#	77	0.00	6.84- 6.90
7	B	beta-BHC	0.667	0.512	23.2#	80	0.00	6.41- 6.47
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.334	6.6	90	0.00	6.60- 6.66
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.447	1.287	11.1	90	0.00	7.18- 7.24
10		alachlor	0.162	0.151	6.8	91	0.00	7.31- 7.37
11	B	Heptachlor Epoxide	0.957	0.627	34.5#	64	0.00	7.90- 7.96
12	B	gamma-Chlordane	1.376	1.232	10.5	89	0.00	8.06- 8.12
13	B	alpha-Chlordane	1.341	1.213	9.5	91	0.00	8.23- 8.29
14	A	Endosulfan I	1.295	1.150	11.2	88	0.00	8.41- 8.47
15	B	4,4'-DDE	1.236	1.114	9.9	89	0.00	8.34- 8.40
16	MA	Dieldrin	1.429	1.282	10.3	90	0.00	8.74- 8.80
17	MA	Endrin	1.160	1.051	9.4	90	0.00	9.06- 9.12
18	A	4,4'-DDD	0.947	0.832	12.1	87	0.00	9.17- 9.23
19	B	Endosulfan II	1.220	1.083	11.2	88	0.00	9.38- 9.44
20	MA	4,4'-DDT	0.881	0.541	38.6#	59	0.00	9.59- 9.65
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	1.959	21.6#	77	0.00	10.00-10.06
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	1.154	0.884	23.4#	76	0.00	10.55-10.61
23	A	Methoxychlor	0.381	0.245	35.7#	61	0.00	10.37-10.43
24		Mirex	0.934	0.884	5.4	91	0.00	10.55-10.61
25	B	Endrin Ketone	1.347	1.129	16.2	82	0.00	11.12-11.18
26	SA	Decachlorobiphenyl	1.091	1.071	1.8	89	0.00	12.90-12.96
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
28	L8	Toxaphene{A}	----------NA----------					
29	L8	Toxaphene{B}	----------NA----------					
30	L8	Toxaphene{C}	----------NA----------					
31	L8	Toxaphene{D}	----------NA----------					
32	L8	Toxaphene{E}	----------NA----------					

8.9.6

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	93	0.00	4.35- 5.35
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				
*****		Signal #2 *****						
1	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
2	SAB	Tetrachloro-m-xylene	0.759	0.901	-18.7	117	0.00	6.06- 6.12
3		hexachlorobenzene	1.352	1.149	15.0	88	0.00	6.60- 6.66
4	A	alpha-BHC	1.600	1.335	16.6	85	0.00	6.77- 6.83
5	MA	gamma-BHC	1.390	1.033	25.7#	78	0.00	7.22- 7.28
6	MA	Heptachlor	1.249	0.953	23.7#	80	0.00	7.82- 7.88
7	B	beta-BHC	0.626	0.463	26.0#	80	0.00	7.31- 7.37
		---------- True Calc. % Drift ----------						
8	B	delta-BHC	2.500	2.128	14.9	89	0.00	7.73- 7.79
		---------- AvgRF CCRF % Dev ----------						
9	MB	Aldrin	1.182	0.969	18.0	88	0.00	8.29- 8.35
10		alachlor	0.151	0.141	6.6	95	0.00	8.09- 8.15
11	B	Heptachlor Epoxide	1.003	0.903	10.0	97	0.00	9.14- 9.20
12	B	gamma-Chlordane	0.987	0.938	5.0	102	0.00	9.43- 9.49
13	B	alpha-Chlordane	0.960	0.952	0.8	109	0.00	9.66- 9.72
14	A	Endosulfan I	0.961	0.926	3.6	108	0.00	9.76- 9.82
15	B	4,4'-DDE	1.000	0.966	3.4	104	0.00	9.92- 9.98
16	MA	Dieldrin	1.030	1.009	2.0	105	0.00	10.20-10.26
17	MA	Endrin	0.864	0.863	0.1	109	0.00	10.72-10.78
18	A	4,4'-DDD	0.870	0.822	5.5	104	0.00	10.88-10.94
19	B	Endosulfan II	0.921	0.890	3.4	105	0.00	11.07-11.13
20	MA	4,4'-DDT	0.647	0.523	19.2	84	0.00	11.42-11.48
		---------- True Calc. % Drift ----------						
21	B	Endrin Aldehyde	2.500	2.103	15.9	92	0.00	11.65-11.71
		---------- AvgRF CCRF % Dev ----------						
22	B	Endosulfan Sulfate	0.797	0.868	-8.9	117	0.00	12.12-12.18
23	A	Methoxychlor	0.347	0.250	28.0#	77	0.00	12.66-12.72
24		Mirex	0.606	0.611	-0.8	102	0.00	13.01-13.07
25	B	Endrin Ketone	0.908	0.848	6.6	98	0.00	13.06-13.12
26	SA	Decachlorobiphenyl	0.651	0.600	7.8	90	0.00	14.63-14.69
27	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
28	L8	Toxaphene{A}		----------NA----------				
29	L8	Toxaphene{B}		----------NA----------				
30	L8	Toxaphene{C}		----------NA----------				
31	L8	Toxaphene{D}		----------NA----------				
32	L8	Toxaphene{E}		----------NA----------				
33	I	1-bromo-2-nitrobenzene	1.000	1.000	0.0	97	0.00	4.69- 5.69
34		Chlordane {A}		----------NA----------				
35		Chlordane {B}		----------NA----------				
36		Chlordane {C}		----------NA----------				
37		Chlordane {D}		----------NA----------				
38		Chlordane {E}		----------NA----------				

8.9.6

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: G6G3521-CC3507
Lab FileID: 6G94841.D

(#) = Out of Range SPCC's out = 0 CCC's out = 0
6g94536.d 6PSTLVI3507.M Thu Dec 28 15:28:31 2023

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

Response Factor Report GCRL

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Initial Calibration

Calibration Files
50 =RL5867.D 250 =RL5869.D 500 =RL5870.D 1000=RL5871.D
2000=RL5872.D 3000=RL5873.D 5000=RL5874.D 10k =RL5875.D
20k =RL5876.D 100 =RL5868.D = =

Compound

	50	250	500	1000	2000	3000	5000	10k	20k	100	Avg	%RSD
1) Tetrachloro-m-xylene	2.001	1.984	1.964	1.993	1.787	1.793				2.061	1.941 E8	5.52
2) AR1221-A				1.346							1.346 E6	0.00
3) AR1221-B				1.845							1.845 E6	0.00
4) AR1221-C				4.546							4.546 E6	0.00
5) AR1221-D				1.121							1.121 E6	0.00
6) AR1221-E				1.230							1.230 E6	0.00
7) AR1232-A				3.586							3.586 E6	0.00
8) AR1232-B				2.697							2.697 E6	0.00
9) AR1232-C				5.827							5.827 E6	0.00
10) AR1232-D				2.314							2.314 E6	0.00
11) AR1232-E				2.222							2.222 E6	0.00
12) AR1242-A				4.848							4.848 E5	0.00
13) AR1242-B				1.063							1.063 E7	0.00
14) AR1242-C				4.225							4.225 E6	0.00
15) AR1242-D				4.429							4.429 E6	0.00
16) AR1242-E				3.559							3.559 E6	0.00
17) AR1248-A				2.310							2.310 E6	0.00
18) AR1248-B				6.355							6.355 E6	0.00
19) AR1248-C				9.768							9.768 E6	0.00
20) AR1248-D				6.731							6.731 E6	0.00
21) AR1248-E				3.325							3.325 E6	0.00
22) AR1248-F				1.155							1.155 E7	0.00
23) AR1248-G												

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

				6.292							6.292 E6	0.00
24)	AR1254-A											
				6.079							6.079 E6	0.00
25)	AR1254-B											
				1.077							1.077 E7	0.00
26)	AR1254-C											
				5.627							5.627 E6	0.00
27)	AR1254-D											
				1.073							1.073 E7	0.00
28)	AR1254-E											
				7.219							7.219 E6	0.00
29)	AR1254-F											
				6.711							6.711 E6	0.00
30)	AR1254-G											
				9.462							9.462 E6	0.00
31)	AR1262-A											
				7.651							7.651 E6	0.00
32)	AR1262-B											
				9.405							9.405 E6	0.00
33)	AR1262-C											
				8.310							8.310 E6	0.00
34)	AR1262-D											
				1.760							1.760 E7	0.00
35)	AR1262-E											
				1.869							1.869 E7	0.00
36)	AR1268-A											
				1.824							1.824 E7	0.00
37)	AR1268-B											
				1.877							1.877 E7	0.00
38)	AR1268-C											
				1.479							1.479 E7	0.00
39)	AR1268-D											
				6.009							6.009 E6	0.00
40)	AR1268-E											
				4.280							4.280 E7	0.00
41)	AR1016-A											
		3.692	3.442	3.242	3.204	2.849	2.836	2.797	2.774	4.128	3.218 E6	14.57
42)	AR1016-B											
		7.113	6.756	6.349	6.303	5.599	5.567	5.497	5.490	7.919	6.288 E6	13.57
43)	AR1016-C											
		1.529	1.482	1.426	1.418	1.267	1.264	1.257	1.275	1.646	1.396 E7	10.05
44)	AR1016-D											
		6.227	5.915	5.657	5.660	5.027	5.029	4.948	4.930	6.882	5.586 E6	12.12
45)	AR1016-E											
		6.517	6.203	5.884	5.849	5.239	5.263	5.145	5.078	7.196	5.819 E6	12.43
46)	AR1260-A											
		1.254	1.207	1.173	1.163	1.035	1.031	1.014	1.015	1.346	1.138 E7	10.58
47)	AR1260-B											
		7.752	7.494	7.301	7.329	6.538	6.523	6.406	6.383	8.236	7.107 E6	9.45
48)	AR1260-C											
		7.725	7.561	7.393	7.495	6.706	6.726	6.653	6.662	7.978	7.211 E6	7.26
49)	AR1260-D											
		1.787	1.778	1.745	1.774	1.592	1.619	1.654	1.697	1.848	1.721 E7	4.99
50)	AR1260-E											
		1.703	1.686	1.684	1.717	1.547	1.563	1.564	1.581	1.775	1.647 E7	5.06
51)	Decachlorobiphenyl											
		1.160	1.140	1.126	1.162	1.050	1.067			1.235	1.134 E8	5.51

Signal #2

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

1)	Tetrachloro-m-xylene								
		1.439	1.443	1.431	1.485	1.376	1.390	1.476	1.434 E8	2.81
2)	AR1221-A									
				1.065					1.065 E6	0.00
3)	AR1221-B									
				1.454					1.454 E6	0.00
4)	AR1221-C									
				3.522					3.522 E6	0.00
5)	AR1221-D									
				1.284					1.284 E6	0.00
6)	AR1221-E									
				1.024					1.024 E6	0.00
7)	AR1232-A									
				2.718					2.718 E6	0.00
8)	AR1232-B									
				2.293					2.293 E6	0.00
9)	AR1232-C									
				4.558					4.558 E6	0.00
10)	AR1232-D									
				1.778					1.778 E6	0.00
11)	AR1232-E									
				1.284					1.284 E6	0.00
12)	AR1242-A									
				3.909					3.909 E6	0.00
13)	AR1242-B									
				8.386					8.386 E6	0.00
14)	AR1242-C									
				3.218					3.218 E6	0.00
15)	AR1242-D									
				2.599					2.599 E6	0.00
16)	AR1242-E									
				3.127					3.127 E6	0.00
17)	AR1248-A									
				1.718					1.718 E6	0.00
18)	AR1248-B									
				5.055					5.055 E6	0.00
19)	AR1248-C									
				3.148					3.148 E6	0.00
20)	AR1248-D									
				4.106					4.106 E6	0.00
21)	AR1248-E									
				3.698					3.698 E6	0.00
22)	AR1248-F									
				5.490					5.490 E6	0.00
23)	AR1248-G									
				5.179					5.179 E6	0.00
24)	AR1254-A									
				5.042					5.042 E6	0.00
25)	AR1254-B									
				5.509					5.509 E6	0.00
26)	AR1254-C									
				4.270					4.270 E6	0.00
27)	AR1254-D									
				9.179					9.179 E6	0.00
28)	AR1254-E									
				6.045					6.045 E6	0.00
29)	AR1254-F									
				6.538					6.538 E6	0.00
30)	AR1254-G									
				6.466					6.466 E6	0.00

Initial Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICC144
Lab FileID: RL5871.D

```
31)  AR1262-A
                          5.324                                    5.324 E6    0.00
32)  AR1262-B
                          7.247                                    7.247 E6    0.00
33)  AR1262-C
                          6.900                                    6.900 E6    0.00
34)  AR1262-D
                          1.381                                    1.381 E7    0.00
35)  AR1262-E
                          1.501                                    1.501 E7    0.00
36)  AR1268-A
                          1.567                                    1.567 E7    0.00
37)  AR1268-B
                          1.519                                    1.519 E7    0.00
38)  AR1268-C
                          1.232                                    1.232 E7    0.00
39)  AR1268-D
                          5.056                                    5.056 E6    0.00
40)  AR1268-E
                          3.949                                    3.949 E7    0.00
41)  AR1016-A
               2.825 2.664 2.516 2.504 2.248 2.257 2.244 2.224 3.143  2.514 E6   12.65
42)  AR1016-B
               5.743 5.467 5.198 5.217 4.662 4.681 4.627 4.586 6.431  5.179 E6   12.10
43)  AR1016-C
               1.349 1.255 1.157 1.165 1.056 1.067 1.056 1.056 1.517  1.186 E7   13.57
44)  AR1016-D
               4.655 4.556 4.363 4.411 3.950 3.979 3.941 3.916 5.156  4.325 E6    9.80
45)  AR1016-E
               3.782 3.614 3.451 3.528 3.171 3.204 3.161 3.122 4.162  3.466 E6   10.09
46)  AR1260-A
               7.688 7.588 7.418 7.503 6.728 6.740 6.661 6.572 8.222  7.236 E6    8.00
47)  AR1260-B
               5.720 5.593 5.427 5.532 5.026 5.052 5.023 5.018 6.371  5.418 E6    8.37
48)  AR1260-C
               6.316 6.376 6.362 6.554 5.908 5.993 6.020 6.022 6.646  6.244 E6    4.27
49)  AR1260-D
               1.362 1.373 1.368 1.401 1.271 1.296 1.319 1.338 1.377  1.345 E7    3.15
50)  AR1260-E
               1.271 1.285 1.303 1.359 1.239 1.270 1.291 1.311 1.320  1.294 E7    2.66
51)  Decachlorobiphenyl
               9.435 9.311 9.315 9.700 8.767 8.982            9.997  9.358 E7    4.42
----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          pcblvigcrl144.m        Mon Aug 21 15:12:41 2023
```

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5877.D\ECD1A.ch Vial: 17
Acq On : 13 Aug 2023 01:46 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5877.D\ECD2B.ch Vial: 17
Acq On : 13 Aug 2023 01:46 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	183.170 E6	5.6	93	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A	3.218	3.092 E6	3.9	95	0.00	4.14-	4.20
42		AR1016-B	6.288	6.532 E6	-3.9	103	0.00	4.43-	4.49
43		AR1016-C	13.960	14.624 E6	-4.8	103	0.00	4.83-	4.89
44		AR1016-D	5.586	5.801 E6	-3.8	103	0.00	4.95-	5.01
45		AR1016-E	5.819	5.802 E6	0.3	99	0.00	5.33-	5.40
46		AR1260-A	11.376	12.342 E6	-8.5	105	0.00	7.33-	7.39
47		AR1260-B	7.107	6.202 E6	12.7	85	0.00	7.83-	7.89
48		AR1260-C	7.211	6.522 E6	9.6	88	0.00	8.11-	8.18
49		AR1260-D	17.214	15.788 E6	8.3	90	0.00	8.46-	8.52
50		AR1260-E	16.466	14.267 E6	13.4	85	0.00	8.74-	8.80
51	S	Decachlorobiphenyl	113.423	107.637 E6	5.1	96	0.00	9.73-	9.80
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	138.255 E6	3.6	97	0.00	4.28-	4.34
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A	2.514	2.469 E6	1.8	98	0.00	4.74-	4.80
42		AR1016-B	5.179	5.418 E6	-4.6	104	0.00	5.14-	5.20

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5877.D

43		AR1016-C	11.864	12.286	E6	-3.6	106	0.00	5.65- 5.71
44		AR1016-D	4.325	4.544	E6	-5.1	104	0.00	5.83- 5.89
45		AR1016-E	3.466	3.500	E6	-1.0	101	0.00	6.50- 6.56
46		AR1260-A	7.236	7.733	E6	-6.9	104	0.00	8.46- 8.52
47		AR1260-B	5.418	4.711	E6	13.0	87	0.00	8.92- 8.98
48		AR1260-C	6.244	5.824	E6	6.7	92	0.00	9.20- 9.26
49		AR1260-D	13.451	12.245	E6	9.0	89	0.00	9.41- 9.47
50		AR1260-E	12.944	11.178	E6	13.6	86	0.00	9.74- 9.80
51	S	Decachlorobiphenyl	93.583	89.030	E6	4.9	96	0.00	10.70-10.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 12:49:40 2023

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5878.D\ECD1A.ch Vial: 18
Acq On : 13 Aug 2023 02:02 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5878.D\ECD2B.ch Vial: 18
Acq On : 13 Aug 2023 02:02 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	193.051	E6	0.5	98	0.00	3.85- 3.91
2		AR1221-A	1.346	1.431	E6	-6.3	106	0.00	3.34- 3.54
3		AR1221-B	1.845	1.828	E6	0.9	99	0.00	3.91- 4.11
4		AR1221-C	4.546	4.482	E6	1.4	99	0.00	4.07- 4.27
5		AR1221-D	1.121	0.991	E6	11.6	88	0.00	4.36- 4.56
6		AR1221-E	1.230	1.021	E6	17.0	83	0.00	4.76- 4.96
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A	6.079	6.565	E6	-8.0	108	0.00	5.69- 5.89
25		AR1254-B	10.775	11.628	E6	-7.9	108	0.00	6.01- 6.21
26		AR1254-C	5.627	6.121	E6	-8.8	109	0.00	6.39- 6.59
27		AR1254-D	10.729	11.785	E6	-9.8	110	0.00	6.58- 6.78
28		AR1254-E	7.219	7.972	E6	-10.4	110	0.00	7.01- 7.21
29		AR1254-F	6.711	7.427	E6	-10.7	111	0.00	7.26- 7.46
30		AR1254-G	9.462	10.668	E6	-12.7	113	0.00	7.63- 7.83
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

37		AR1268-B							
38		AR1268-C							
39		AR1268-D							
40		AR1268-E							
41		AR1016-A							
42		AR1016-B							
43		AR1016-C							
44		AR1016-D							
45		AR1016-E							
46		AR1260-A							
47		AR1260-B							
48		AR1260-C							
49		AR1260-D							
50		AR1260-E							
51	S	Decachlorobiphenyl	113.423	106.189	E6	6.4	94	0.00	9.73- 9.80
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	138.102	E6	3.7	97	0.00	4.28- 4.34
2		AR1221-A	1.065	1.153	E6	-8.3	108	0.00	3.86- 3.92
3		AR1221-B	1.454	1.478	E6	-1.7	102	0.00	4.47- 4.67
4		AR1221-C	3.522	3.573	E6	-1.4	101	0.00	4.67- 4.87
5		AR1221-D	1.284	1.251	E6	2.6	97	0.00	5.13- 5.33
6		AR1221-E	1.024	0.884	E6	13.7	86	0.00	5.59- 5.79
7		AR1232-A							
8		AR1232-B							
9		AR1232-C							
10		AR1232-D							
11		AR1232-E							
12		AR1242-A							
13		AR1242-B							
14		AR1242-C							
15		AR1242-D							
16		AR1242-E							
17		AR1248-A							
18		AR1248-B							
19		AR1248-C							
20		AR1248-D							
21		AR1248-E							
22		AR1248-F							
23		AR1248-G							
24		AR1254-A	5.042	5.548	E6	-10.0	110	0.00	7.11- 7.31
25		AR1254-B	5.509	6.030	E6	-9.5	109	0.00	7.36- 7.56
26		AR1254-C	4.270	4.685	E6	-9.7	110	0.00	7.82- 8.02
27		AR1254-D	9.179	10.089	E6	-9.9	110	0.00	7.96- 8.16
28		AR1254-E	6.045	6.661	E6	-10.2	110	0.00	8.21- 8.41
29		AR1254-F	6.538	7.267	E6	-11.2	111	0.00	8.59- 8.79
30		AR1254-G	6.466	7.153	E6	-10.6	111	0.00	8.77- 8.97
31		AR1262-A							
32		AR1262-B							
33		AR1262-C							
34		AR1262-D							
35		AR1262-E							
36		AR1268-A							
37		AR1268-B							
38		AR1268-C							
39		AR1268-D							
40		AR1268-E							
41		AR1016-A							
42		AR1016-B							

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5878.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	87.976 E6	6.0	94	0.00	10.70-10.76

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:39 2023

8.9.9

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5879.D\ECD1A.ch Vial: 19
Acq On : 13 Aug 2023 02:18 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5879.D\ECD2B.ch Vial: 19
Acq On : 13 Aug 2023 02:18 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	181.001 E6	6.7	92	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A	3.586	3.734 E6	-4.1	104	0.00	4.07- 4.27
8		AR1232-B	2.697	2.866 E6	-6.3	106	0.00	4.36- 4.56
9		AR1232-C	5.827	6.208 E6	-6.5	107	0.00	4.76- 4.96
10		AR1232-D	2.314	2.446 E6	-5.7	106	0.00	4.87- 5.07
11		AR1232-E	2.222	2.355 E6	-6.0	106	0.00	5.27- 5.47
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A	7.651	8.189 E6	-7.0	107	0.00	7.26- 7.46
32		AR1262-B	9.405	10.083 E6	-7.2	107	0.00	7.76- 7.96
33		AR1262-C	8.310	9.097 E6	-9.5	109	0.00	8.05- 8.25
34		AR1262-D	17.596	19.570 E6	-11.2	111	0.00	8.39- 8.59
35		AR1262-E	18.690	20.738 E6	-11.0	111	0.00	8.71- 8.91
36		AR1268-A		----------NA----------				

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	113.423	102.944 E6	9.2	91	0.00	9.73- 9.80	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	129.535 E6	9.7	91	0.00	4.28- 4.34	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A	2.718	2.944 E6	-8.3	108	0.00	4.67- 4.87	
8		AR1232-B	2.293	2.498 E6	-8.9	109	0.00	5.07- 5.27	
9		AR1232-C	4.558	4.894 E6	-7.4	107	0.00	5.59- 5.79	
10		AR1232-D	1.778	1.958 E6	-10.1	110	0.00	5.76- 5.96	
11		AR1232-E	1.284	1.412 E6	-10.0	110	0.00	6.43- 6.63	
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A			----------NA----------				
18		AR1248-B			----------NA----------				
19		AR1248-C			----------NA----------				
20		AR1248-D			----------NA----------				
21		AR1248-E			----------NA----------				
22		AR1248-F			----------NA----------				
23		AR1248-G			----------NA----------				
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A	5.324	5.776 E6	-8.5	109	0.00	8.39- 8.59	
32		AR1262-B	7.247	7.685 E6	-6.0	106	0.00	8.85- 9.05	
33		AR1262-C	6.900	7.482 E6	-8.4	108	0.00	9.13- 9.33	
34		AR1262-D	13.809	15.050 E6	-9.0	109	0.00	9.34- 9.54	
35		AR1262-E	15.006	16.408 E6	-9.3	109	0.00	9.65- 9.85	
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				

8.9.10

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5879.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	85.843 E6	8.3	92	0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:41 2023

8.9.10

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5880.D\ECD1A.ch Vial: 20
Acq On : 13 Aug 2023 02:35 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5880.D\ECD2B.ch Vial: 20
Acq On : 13 Aug 2023 02:35 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	169.258 E6	12.8	86	0.00	3.84- 3.90
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A	484.798	540.798 E3	-11.6	112	0.00	4.36- 4.56
13		AR1242-B	10.631	11.830 E6	-11.3	111	0.00	4.76- 4.96
14		AR1242-C	4.225	4.665 E6	-10.4	110	0.00	4.88- 5.08
15		AR1242-D	4.429	4.773 E6	-7.8	108	0.00	5.27- 5.47
16		AR1242-E	3.559	3.693 E6	-3.8	104	0.00	5.77- 5.97
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A	18.244	19.287 E6	-5.7	106	0.00	8.71- 8.91

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

37		AR1268-B	18.772	18.897	E6	-0.7	101	0.00	8.75- 8.95
38		AR1268-C	14.794	15.436	E6	-4.3	104	0.00	8.93- 9.13
39		AR1268-D	6.009	6.387	E6	-6.3	106	0.00	9.25- 9.45
40		AR1268-E	42.800	47.053	E6	-9.9	110	0.00	9.50- 9.70
41		AR1016-A	----------NA----------						
42		AR1016-B	----------NA----------						
43		AR1016-C	----------NA----------						
44		AR1016-D	----------NA----------						
45		AR1016-E	----------NA----------						
46		AR1260-A	----------NA----------						
47		AR1260-B	----------NA----------						
48		AR1260-C	----------NA----------						
49		AR1260-D	----------NA----------						
50		AR1260-E	----------NA----------						
51	S	Decachlorobiphenyl	113.423	329.534	E6	-190.5#	293#	0.00	9.73- 9.80
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	127.150	E6	11.4	89	0.00	4.28- 4.34
2		AR1221-A	----------NA----------						
3		AR1221-B	----------NA----------						
4		AR1221-C	----------NA----------						
5		AR1221-D	----------NA----------						
6		AR1221-E	----------NA----------						
7		AR1232-A	----------NA----------						
8		AR1232-B	----------NA----------						
9		AR1232-C	----------NA----------						
10		AR1232-D	----------NA----------						
11		AR1232-E	----------NA----------						
12		AR1242-A	3.909	4.515	E6	-15.5	116	0.00	5.07- 5.27
13		AR1242-B	8.386	9.618	E6	-14.7	115	0.00	5.58- 5.78
14		AR1242-C	3.218	3.715	E6	-15.4	115	0.00	5.76- 5.96
15		AR1242-D	2.599	2.933	E6	-12.9	113	0.00	6.43- 6.63
16		AR1242-E	3.127	3.415	E6	-9.2	109	0.00	7.11- 7.31
17		AR1248-A	----------NA----------						
18		AR1248-B	----------NA----------						
19		AR1248-C	----------NA----------						
20		AR1248-D	----------NA----------						
21		AR1248-E	----------NA----------						
22		AR1248-F	----------NA----------						
23		AR1248-G	----------NA----------						
24		AR1254-A	----------NA----------						
25		AR1254-B	----------NA----------						
26		AR1254-C	----------NA----------						
27		AR1254-D	----------NA----------						
28		AR1254-E	----------NA----------						
29		AR1254-F	----------NA----------						
30		AR1254-G	----------NA----------						
31		AR1262-A	----------NA----------						
32		AR1262-B	----------NA----------						
33		AR1262-C	----------NA----------						
34		AR1262-D	----------NA----------						
35		AR1262-E	----------NA----------						
36		AR1268-A	15.665	16.132	E6	-3.0	103	0.00	9.65- 9.85
37		AR1268-B	15.193	15.447	E6	-1.7	102	0.00	9.69- 9.89
38		AR1268-C	12.323	12.775	E6	-3.7	104	0.01	9.91-10.11
39		AR1268-D	5.056	5.213	E6	-3.1	103	0.01	10.12-10.32
40		AR1268-E	39.492	40.921	E6	-3.6	104	0.02	10.39-10.59
41		AR1016-A	----------NA----------						
42		AR1016-B	----------NA----------						

8.9.11

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5880.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	276.186	E6 -195.1#	296#	0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:43 2023

8.9.11

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\grl144\RL5881.D\ECD1A.ch Vial: 21
Acq On : 13 Aug 2023 02:51 pm Operator: mahalial
Sample : icv144-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint1.e

Data File : C:\msdchem\1\data\grl144\RL5881.D\ECD2B.ch Vial: 21
Acq On : 13 Aug 2023 02:51 pm Operator: mahalial
Sample : icv143-100 Inst : GCRL
Misc : op46709,grl144,5.0,,,10,1 Multiplr: 1.00
IntFile : autoint2.e

Method : C:\msdchem\1\met...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Mon Aug 21 12:38:59 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	169.696 E6	12.6	86	0.00	3.85- 3.91
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A	2.310	2.493 E6	-7.9	108	0.00	4.36- 4.56
18		AR1248-B	6.355	6.968 E6	-9.6	110	0.00	4.76- 4.96
19		AR1248-C	9.768	10.668 E6	-9.2	109	0.00	5.04- 5.24
20		AR1248-D	6.731	7.396 E6	-9.9	110	0.00	5.27- 5.47
21		AR1248-E	3.325	3.668 E6	-10.3	110	0.00	5.36- 5.56
22		AR1248-F	11.554	12.853 E6	-11.2	111	0.00	5.74- 5.94
23		AR1248-G	6.292	6.888 E6	-9.5	109	0.00	6.02- 6.22
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				

8.9.12

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				
43		AR1016-C			----------NA----------				
44		AR1016-D			----------NA----------				
45		AR1016-E			----------NA----------				
46		AR1260-A			----------NA----------				
47		AR1260-B			----------NA----------				
48		AR1260-C			----------NA----------				
49		AR1260-D			----------NA----------				
50		AR1260-E			----------NA----------				
51	S	Decachlorobiphenyl	113.423	103.351 E6	8.9	92	0.00	9.73- 9.80	
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	134.464 E6	6.3	94	0.00	4.28- 4.34	
2		AR1221-A			----------NA----------				
3		AR1221-B			----------NA----------				
4		AR1221-C			----------NA----------				
5		AR1221-D			----------NA----------				
6		AR1221-E			----------NA----------				
7		AR1232-A			----------NA----------				
8		AR1232-B			----------NA----------				
9		AR1232-C			----------NA----------				
10		AR1232-D			----------NA----------				
11		AR1232-E			----------NA----------				
12		AR1242-A			----------NA----------				
13		AR1242-B			----------NA----------				
14		AR1242-C			----------NA----------				
15		AR1242-D			----------NA----------				
16		AR1242-E			----------NA----------				
17		AR1248-A	1.718	1.933 E6	-12.5	113	0.00	5.07- 5.27	
18		AR1248-B	5.055	5.712 E6	-13.0	113	0.00	5.56- 5.76	
19		AR1248-C	3.148	3.582 E6	-13.8	114	0.00	6.01- 6.21	
20		AR1248-D	4.106	4.691 E6	-14.2	114	0.00	6.43- 6.63	
21		AR1248-E	3.698	4.248 E6	-14.9	115	0.00	6.64- 6.84	
22		AR1248-F	5.490	6.288 E6	-14.5	115	0.00	7.11- 7.31	
23		AR1248-G	5.179	5.976 E6	-15.4	115	0.00	7.44- 7.64	
24		AR1254-A			----------NA----------				
25		AR1254-B			----------NA----------				
26		AR1254-C			----------NA----------				
27		AR1254-D			----------NA----------				
28		AR1254-E			----------NA----------				
29		AR1254-F			----------NA----------				
30		AR1254-G			----------NA----------				
31		AR1262-A			----------NA----------				
32		AR1262-B			----------NA----------				
33		AR1262-C			----------NA----------				
34		AR1262-D			----------NA----------				
35		AR1262-E			----------NA----------				
36		AR1268-A			----------NA----------				
37		AR1268-B			----------NA----------				
38		AR1268-C			----------NA----------				
39		AR1268-D			----------NA----------				
40		AR1268-E			----------NA----------				
41		AR1016-A			----------NA----------				
42		AR1016-B			----------NA----------				

8.9.12

8

Initial Calibration Verification

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL144-ICV144
Lab FileID: RL5881.D

43		AR1016-C			----------NA----------			
44		AR1016-D			----------NA----------			
45		AR1016-E			----------NA----------			
46		AR1260-A			----------NA----------			
47		AR1260-B			----------NA----------			
48		AR1260-C			----------NA----------			
49		AR1260-D			----------NA----------			
50		AR1260-E			----------NA----------			
51	S	Decachlorobiphenyl	93.583	86.379 E6	7.7	93	0.00	10.69-10.75

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL5871.D pcblvigcrl144.m Mon Aug 21 15:22:45 2023

8.9.12

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL247-CC144
Lab FileID: RL10940.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...47\RL10940.D\ECD1A.ch Vial: 41
Signal #2 : C:\msdchem\1\data\chrisc2\grl247\RL10940.D\ECD2B.ch
Acq On : 27 Dec 2023 07:57 am Operator: rebeccak
Sample : cc144-100 Inst : GCRL
Misc : op51190,grl247,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Wed Dec 27 17:12:24 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	170.032 E6	12.4	87	0.00	3.80- 3.86
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.218	2.768 E6	14.0	85	0.00	4.10- 4.16

8.9.13

8

Continuing Calibration Summary

Job Number: JD79288 **Sample:** GRL247-CC144
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** RL10940.D
Project: 99 Franklin Courts, Tarrytown, NY

42		AR1016-B	6.288	5.690	E6	9.5	90	0.00	4.38- 4.44
43		AR1016-C	13.960	12.275	E6	12.1	86	0.00	4.78- 4.84
44		AR1016-D	5.586	4.646	E6	16.8	82	0.00	4.89- 4.95
45		AR1016-E	5.819	4.795	E6	17.6	81	0.00	5.27- 5.34
46		AR1260-A	11.376	9.442	E6	17.0	80	0.00	7.25- 7.31
47		AR1260-B	7.107	6.936	E6	2.4	95	0.00	7.75- 7.81
48		AR1260-C	7.211	6.046	E6	16.2	82	0.00	8.04- 8.11
49		AR1260-D	17.214	16.037	E6	6.8	92	0.00	8.39- 8.45
50		AR1260-E	16.466	14.364	E6	12.8	85	0.00	8.68- 8.74
51	S	Decachlorobiphenyl	113.423	108.480	E6	4.4	96	0.00	9.68- 9.75
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	129.185	E6	9.9	90	0.00	4.21- 4.27
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	2.514	2.287	E6	9.0	91	0.00	4.66- 4.72
42		AR1016-B	5.179	4.759	E6	8.1	92	0.00	5.04- 5.10
43		AR1016-C	11.864	10.530	E6	11.2	91	0.00	5.55- 5.61
44		AR1016-D	4.325	4.008	E6	7.3	92	0.00	5.71- 5.77
45		AR1016-E	3.466	3.176	E6	8.4	92	0.00	6.36- 6.42
46		AR1260-A	7.236	6.817	E6	5.8	92	0.00	8.38- 8.44
47		AR1260-B	5.418	5.102	E6	5.8	94	0.00	8.84- 8.90

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL247-CC144
Lab FileID: RL10940.D

48		AR1260-C	6.244	5.833 E6	6.6	92	0.00	9.13- 9.19
49		AR1260-D	13.451	12.730 E6	5.4	93	0.00	9.34- 9.40
50		AR1260-E	12.944	12.193 E6	5.8	94	0.00	9.67- 9.73
51	S	Decachlorobiphenyl	93.583	94.360 E6	-0.8	101	0.00	10.63-10.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0
RL10381.D pcblvigcrl144.m Wed Dec 27 17:57:22 2023

8.9.13

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL247-CC144
Lab FileID: RL10951.D

Evaluate Continuing Calibration Report

Signal #1 : C:\msdchem\1\data\ch...47\RL10951.D\ECD1A.ch Vial: 18
Signal #2 : C:\msdchem\1\data\chrisc2\grl247\RL10951.D\ECD2B.ch
Acq On : 27 Dec 2023 11:41 am Operator: rebeccak
Sample : cc144-50 Inst : GCRL
Misc : op51357,grl247,5.0,,,10,1 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : C:\msdchem\1\dat...\pcblvigcrl144.m (ChemStation Integrator)
Title :
Last Update : Wed Dec 27 17:12:24 2023
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.10min
Max. RRF Dev : 20% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	S	Tetrachloro-m-xylene	194.054	165.264 E6	14.8	83	0.00	3.80- 3.86
2		AR1221-A		----------NA----------				
3		AR1221-B		----------NA----------				
4		AR1221-C		----------NA----------				
5		AR1221-D		----------NA----------				
6		AR1221-E		----------NA----------				
7		AR1232-A		----------NA----------				
8		AR1232-B		----------NA----------				
9		AR1232-C		----------NA----------				
10		AR1232-D		----------NA----------				
11		AR1232-E		----------NA----------				
12		AR1242-A		----------NA----------				
13		AR1242-B		----------NA----------				
14		AR1242-C		----------NA----------				
15		AR1242-D		----------NA----------				
16		AR1242-E		----------NA----------				
17		AR1248-A		----------NA----------				
18		AR1248-B		----------NA----------				
19		AR1248-C		----------NA----------				
20		AR1248-D		----------NA----------				
21		AR1248-E		----------NA----------				
22		AR1248-F		----------NA----------				
23		AR1248-G		----------NA----------				
24		AR1254-A		----------NA----------				
25		AR1254-B		----------NA----------				
26		AR1254-C		----------NA----------				
27		AR1254-D		----------NA----------				
28		AR1254-E		----------NA----------				
29		AR1254-F		----------NA----------				
30		AR1254-G		----------NA----------				
31		AR1262-A		----------NA----------				
32		AR1262-B		----------NA----------				
33		AR1262-C		----------NA----------				
34		AR1262-D		----------NA----------				
35		AR1262-E		----------NA----------				
36		AR1268-A		----------NA----------				
37		AR1268-B		----------NA----------				
38		AR1268-C		----------NA----------				
39		AR1268-D		----------NA----------				
40		AR1268-E		----------NA----------				
41		AR1016-A	3.218	2.831 E6	12.0	82	0.00	4.10- 4.16

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL247-CC144
Lab FileID: RL10951.D

42		AR1016-B	6.288	5.838	E6	7.2	86	0.00	4.38- 4.44
43		AR1016-C	13.960	12.664	E6	9.3	85	0.00	4.78- 4.84
44		AR1016-D	5.586	4.865	E6	12.9	82	0.00	4.89- 4.95
45		AR1016-E	5.819	4.981	E6	14.4	80	0.00	5.27- 5.34
46		AR1260-A	11.376	10.534	E6	7.4	87	0.00	7.24- 7.30
47		AR1260-B	7.107	7.035	E6	1.0	94	0.00	7.75- 7.81
48		AR1260-C	7.211	6.414	E6	11.1	85	0.00	8.04- 8.11
49		AR1260-D	17.214	16.587	E6	3.6	93	0.00	8.39- 8.45
50		AR1260-E	16.466	15.585	E6	5.4	92	0.00	8.68- 8.74
51	S	Decachlorobiphenyl	113.423	115.876	E6	-2.2	102	0.00	9.68- 9.75
*****		Signal #2 *****							
1	S	Tetrachloro-m-xylene	143.434	133.739	E6	6.8	93	0.00	4.21- 4.27
2		AR1221-A		----------NA----------					
3		AR1221-B		----------NA----------					
4		AR1221-C		----------NA----------					
5		AR1221-D		----------NA----------					
6		AR1221-E		----------NA----------					
7		AR1232-A		----------NA----------					
8		AR1232-B		----------NA----------					
9		AR1232-C		----------NA----------					
10		AR1232-D		----------NA----------					
11		AR1232-E		----------NA----------					
12		AR1242-A		----------NA----------					
13		AR1242-B		----------NA----------					
14		AR1242-C		----------NA----------					
15		AR1242-D		----------NA----------					
16		AR1242-E		----------NA----------					
17		AR1248-A		----------NA----------					
18		AR1248-B		----------NA----------					
19		AR1248-C		----------NA----------					
20		AR1248-D		----------NA----------					
21		AR1248-E		----------NA----------					
22		AR1248-F		----------NA----------					
23		AR1248-G		----------NA----------					
24		AR1254-A		----------NA----------					
25		AR1254-B		----------NA----------					
26		AR1254-C		----------NA----------					
27		AR1254-D		----------NA----------					
28		AR1254-E		----------NA----------					
29		AR1254-F		----------NA----------					
30		AR1254-G		----------NA----------					
31		AR1262-A		----------NA----------					
32		AR1262-B		----------NA----------					
33		AR1262-C		----------NA----------					
34		AR1262-D		----------NA----------					
35		AR1262-E		----------NA----------					
36		AR1268-A		----------NA----------					
37		AR1268-B		----------NA----------					
38		AR1268-C		----------NA----------					
39		AR1268-D		----------NA----------					
40		AR1268-E		----------NA----------					
41		AR1016-A	2.514	2.375	E6	5.5	89	0.00	4.66- 4.72
42		AR1016-B	5.179	4.922	E6	5.0	90	0.00	5.04- 5.10
43		AR1016-C	11.864	10.910	E6	8.0	87	0.00	5.55- 5.61
44		AR1016-D	4.325	4.083	E6	5.6	90	0.00	5.71- 5.77
45		AR1016-E	3.466	3.273	E6	5.6	91	0.00	6.36- 6.42
46		AR1260-A	7.236	6.657	E6	8.0	88	0.00	8.38- 8.44
47		AR1260-B	5.418	4.847	E6	10.5	87	0.00	8.84- 8.90

8.9.14

8

Continuing Calibration Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: GRL247-CC144
Lab FileID: RL10951.D

48		AR1260-C	6.244	5.464	E6	12.5	86	0.00	9.12- 9.18
49		AR1260-D	13.451	11.906	E6	11.5	87	0.00	9.34- 9.40
50		AR1260-E	12.944	11.271	E6	12.9	88	0.00	9.67- 9.73
51	S	Decachlorobiphenyl	93.583	93.709	E6	-0.1	101	0.00	10.63-10.69

(#) = Out of Range SPCC's out = 0 CCC's out = 0

RL9583.D pcblvigcrl144.m Wed Dec 27 17:57:07 2023

8.9.14

8

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3507	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3507-DDT	6G94529.D	12/16/23 08:38	n/a	DDT/Endrin Breakdown Check
G6G3507-IC3507	6G94533.D	12/16/23 10:44	n/a	Initial cal 0.2
G6G3507-IC3507	6G94534.D	12/16/23 11:04	n/a	Initial cal 0.5
G6G3507-IC3507	6G94535.D	12/16/23 11:25	n/a	Initial cal 1.0
G6G3507-ICC3507	6G94536.D	12/16/23 11:45	n/a	Initial cal 2.5
G6G3507-IC3507	6G94537.D	12/16/23 12:06	n/a	Initial cal 5.0
G6G3507-IC3507	6G94538.D	12/16/23 12:26	n/a	Initial cal 7.5
G6G3507-IC3507	6G94539.D	12/16/23 12:47	n/a	Initial cal 10
G6G3507-IC3507	6G94540.D	12/16/23 13:07	n/a	Initial cal 50
G6G3507-IC3507	6G94541.D	12/16/23 13:27	n/a	Initial cal 50
G6G3507-ICV3507	6G94542.D	12/16/23 13:48	n/a	Initial cal verification 2.5
G6G3507-ICV3507	6G94543.D	12/16/23 14:08	n/a	Initial cal verification 50
G6G3507-ICV3507	6G94544.D	12/16/23 14:29	n/a	Initial cal verification 50

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3519	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3519-DDT	6G94807.D	12/26/23 23:30	n/a	DDT/Endrin Breakdown Check
G6G3519-CC3507	6G94808.D	12/26/23 23:51	n/a	Continuing cal 25
OP51356-MB1	6G94810.D	12/27/23 00:56	OP51356	Method Blank
OP51356-BS1	6G94811.D	12/27/23 01:16	OP51356	Blank Spike
OP51354-MB1	6G94812.D	12/27/23 01:37	OP51354	Method Blank
OP51354-BS1	6G94813.D	12/27/23 01:57	OP51354	Blank Spike
ZZZZZZ	6G94814.D	12/27/23 02:18	OP51354	(unrelated sample)
ZZZZZZ	6G94815.D	12/27/23 02:38	OP51354	(unrelated sample)
ZZZZZZ	6G94816.D	12/27/23 02:59	OP51354	(unrelated sample)
ZZZZZZ	6G94817.D	12/27/23 03:19	OP51354	(unrelated sample)
OP51356-MS	6G94818.D	12/27/23 03:40	OP51356	Matrix Spike
OP51356-MSD	6G94819.D	12/27/23 04:00	OP51356	Matrix Spike Duplicate
ZZZZZZ	6G94821.D	12/27/23 04:41	OP51356	(unrelated sample)
JD79288-1	6G94822.D	12/27/23 05:01	OP51356	SB-102 (3-3.5)
JD79288-2	6G94823.D	12/27/23 05:22	OP51356	SB-101 (2.5-3)
ZZZZZZ	6G94824.D	12/27/23 05:42	OP51354	(unrelated sample)
ZZZZZZ	6G94825.D	12/27/23 06:03	OP51354	(unrelated sample)
OP51354-MS	6G94826.D	12/27/23 06:23	OP51354	Matrix Spike
OP51354-MSD	6G94827.D	12/27/23 06:44	OP51354	Matrix Spike Duplicate
JD79261-3	6G94828.D	12/27/23 07:04	OP51354	(used for QC only; not part of job JD79288)

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: G6G3521	**Method:** SW846 8081B	**Instrument ID:** GC6G

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
G6G3521-DDT	6G94838.D	12/27/23 23:26	n/a	DDT/Endrin Breakdown Check
G6G3521-CC3507	6G94841.D	12/28/23 00:28	n/a	Continuing cal 2.5
OP51372-MB1	6G94843.D	12/28/23 02:15	OP51372	Method Blank
OP51372-BS1	6G94844.D	12/28/23 02:36	OP51372	Blank Spike
OP51372-MS	6G94845.D	12/28/23 02:56	OP51372	Matrix Spike
OP51372-MSD	6G94846.D	12/28/23 03:17	OP51372	Matrix Spike Duplicate
JD79296-1	6G94847.D	12/28/23 03:38	OP51372	(used for QC only; not part of job JD79288)
ZZZZZZ	6G94848.D	12/28/23 03:58	OP51372	(unrelated sample)
ZZZZZZ	6G94849.D	12/28/23 04:19	OP51372	(unrelated sample)
ZZZZZZ	6G94850.D	12/28/23 04:40	OP51372	(unrelated sample)
ZZZZZZ	6G94851.D	12/28/23 05:00	OP51372	(unrelated sample)
ZZZZZZ	6G94852.D	12/28/23 05:21	OP51372	(unrelated sample)
ZZZZZZ	6G94853.D	12/28/23 05:42	OP51372	(unrelated sample)
ZZZZZZ	6G94854.D	12/28/23 06:02	OP51372	(unrelated sample)
ZZZZZZ	6G94855.D	12/28/23 06:23	OP51372	(unrelated sample)
ZZZZZZ	6G94856.D	12/28/23 06:44	OP51372	(unrelated sample)
ZZZZZZ	6G94857.D	12/28/23 07:04	OP51372	(unrelated sample)
ZZZZZZ	6G94858.D	12/28/23 07:25	OP51372	(unrelated sample)
ZZZZZZ	6G94859.D	12/28/23 07:46	OP51372	(unrelated sample)
ZZZZZZ	6G94860.D	12/28/23 08:07	OP51372	(unrelated sample)
ZZZZZZ	6G94861.D	12/28/23 08:27	OP51372	(unrelated sample)

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL144	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL144-IC144	RL5863.D	08/13/23 09:55	n/a	Initial cal 100
GRL144-IC144	RL5864.D	08/13/23 10:12	n/a	Initial cal 100
GRL144-IC144	RL5865.D	08/13/23 10:28	n/a	Initial cal 100
GRL144-IC144	RL5866.D	08/13/23 10:45	n/a	Initial cal 100
GRL144-IC144	RL5868.D	08/13/23 11:17	n/a	Initial cal 10
GRL144-IC144	RL5869.D	08/13/23 11:34	n/a	Initial cal 25
GRL144-IC144	RL5870.D	08/13/23 11:50	n/a	Initial cal 50
GRL144-ICC144	RL5871.D	08/13/23 12:07	n/a	Initial cal 100
GRL144-IC144	RL5872.D	08/13/23 12:23	n/a	Initial cal 200
GRL144-IC144	RL5873.D	08/13/23 12:40	n/a	Initial cal 300
GRL144-IC144	RL5874.D	08/13/23 12:56	n/a	Initial cal 500
GRL144-IC144	RL5875.D	08/13/23 13:13	n/a	Initial cal 1000
GRL144-IC144	RL5876.D	08/13/23 13:29	n/a	Initial cal 2000
GRL144-ICV144	RL5877.D	08/13/23 13:46	n/a	Initial cal verification 100
GRL144-ICV144	RL5878.D	08/13/23 14:02	n/a	Initial cal verification 100
GRL144-ICV144	RL5879.D	08/13/23 14:18	n/a	Initial cal verification 100
GRL144-ICV144	RL5880.D	08/13/23 14:35	n/a	Initial cal verification 100
GRL144-ICV144	RL5881.D	08/13/23 14:51	n/a	Initial cal verification 100

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL247	**Method:** SW846 8082A	**Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
GRL247-CC144	RL10940.D	12/27/23 07:57	n/a	Continuing cal 100
OP51357-MB1	RL10942.D	12/27/23 09:03	OP51357	Method Blank
OP51357-BS1	RL10943.D	12/27/23 09:28	OP51357	Blank Spike
OP51357-MS	RL10944.D	12/27/23 09:45	OP51357	Matrix Spike
OP51357-MSD	RL10945.D	12/27/23 10:01	OP51357	Matrix Spike Duplicate
JD79288-1	RL10946.D	12/27/23 10:18	OP51357	SB-102 (3-3.5)
JD79288-2	RL10947.D	12/27/23 10:34	OP51357	SB-101 (2.5-3)
ZZZZZZ	RL10948.D	12/27/23 10:51	OP51357	(unrelated sample)
GRL247-CC144	RL10951.D	12/27/23 11:41	n/a	Continuing cal 50
ZZZZZZ	RL10953.D	12/27/23 12:14	OP51357	(unrelated sample)
ZZZZZZ	RL10954.D	12/27/23 12:31	OP51357	(unrelated sample)
ZZZZZZ	RL10955.D	12/27/23 12:47	OP51357	(unrelated sample)
ZZZZZZ	RL10956.D	12/27/23 13:04	OP51357	(unrelated sample)
ZZZZZZ	RL10957.D	12/27/23 13:20	OP51357	(unrelated sample)
ZZZZZZ	RL10958.D	12/27/23 13:37	OP51357	(unrelated sample)
ZZZZZZ	RL10959.D	12/27/23 13:54	OP51357	(unrelated sample)
GRL247-CC144	RL10962.D	12/27/23 14:43	n/a	Continuing cal 100
JD79281-2	RL10964.D	12/27/23 15:17	OP51357	(used for QC only; not part of job JD79288)
ZZZZZZ	RL10965.D	12/27/23 15:33	OP51357	(unrelated sample)
ZZZZZZ	RL10966.D	12/27/23 15:50	OP51357	(unrelated sample)
ZZZZZZ	RL10967.D	12/27/23 16:06	OP51357	(unrelated sample)
OP51271-MB1	RL10969.D	12/27/23 16:40	OP51271	Method Blank
OP51271-BS1	RL10970.D	12/27/23 16:56	OP51271	Blank Spike
OP51271-BSD	RL10971.D	12/27/23 17:13	OP51271	Blank Spike Duplicate
GRL247-CC144	RL10972.D	12/27/23 17:29	n/a	Continuing cal 50
OP51271-MS	RL10974.D	12/27/23 18:03	OP51271	Matrix Spike
OP51271-MSD	RL10975.D	12/27/23 18:19	OP51271	Matrix Spike Duplicate
ZZZZZZ	RL10976.D	12/27/23 18:36	OP51271	(unrelated sample)
ZZZZZZ	RL10977.D	12/27/23 18:53	OP51271	(unrelated sample)
ZZZZZZ	RL10978.D	12/27/23 19:09	OP51271	(unrelated sample)
ZZZZZZ	RL10979.D	12/27/23 19:26	OP51271	(unrelated sample)
ZZZZZZ	RL10980.D	12/27/23 19:43	OP51271	(unrelated sample)
GRL247-CC144	RL10983.D	12/27/23 20:32	n/a	Continuing cal 100
ZZZZZZ	RL10985.D	12/27/23 21:06	OP51271	(unrelated sample)
ZZZZZZ	RL10986.D	12/27/23 21:22	OP51271	(unrelated sample)
ZZZZZZ	RL10987.D	12/27/23 21:39	OP51271	(unrelated sample)
JD78922-1	RL10988.D	12/27/23 21:55	OP51271	(used for QC only; not part of job JD79288)
ZZZZZZ	RL10989.D	12/27/23 22:12	OP51271	(unrelated sample)
ZZZZZZ	RL10990.D	12/27/23 22:29	OP51271	(unrelated sample)
ZZZZZZ	RL10991.D	12/27/23 22:45	OP51271	(unrelated sample)
GRL247-CC144	RL10994.D	12/27/23 23:35	n/a	Continuing cal 50
ZZZZZZ	RL10996.D	12/28/23 00:08	OP51271	(unrelated sample)
ZZZZZZ	RL10997.D	12/28/23 00:25	OP51271	(unrelated sample)
ZZZZZZ	RL10998.D	12/28/23 00:42	OP51271	(unrelated sample)
ZZZZZZ	RL10999.D	12/28/23 00:58	OP51271	(unrelated sample)
ZZZZZZ	RL11000.D	12/28/23 01:15	OP51271	(unrelated sample)

Run Sequence Report

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Run ID: GRL247 **Method:** SW846 8082A **Instrument ID:** GCRL

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
OP51332-MB1	RL11002.D	12/28/23 01:48	OP51332	Method Blank
OP51332-BS1	RL11003.D	12/28/23 02:05	OP51332	Blank Spike
GRL247-CC144	RL11004.D	12/28/23 02:21	n/a	Continuing cal 100
OP51332-MS	RL11006.D	12/28/23 02:55	OP51332	Matrix Spike
OP51332-MSD	RL11007.D	12/28/23 03:11	OP51332	Matrix Spike Duplicate
JD79269-1	RL11008.D	12/28/23 03:28	OP51332	(used for QC only; not part of job JD79288)
ZZZZZZ	RL11009.D	12/28/23 03:45	OP51332	(unrelated sample)
ZZZZZZ	RL11010.D	12/28/23 04:01	OP51332	(unrelated sample)
ZZZZZZ	RL11011.D	12/28/23 04:18	OP51332	(unrelated sample)
ZZZZZZ	RL11012.D	12/28/23 04:35	OP51332	(unrelated sample)
GRL247-CC144	RL11015.D	12/28/23 05:25	n/a	Continuing cal 50
ZZZZZZ	RL11017.D	12/28/23 05:58	OP51332	(unrelated sample)
ZZZZZZ	RL11018.D	12/28/23 06:37	OP51332	(unrelated sample)
ZZZZZZ	RL11019.D	12/28/23 06:54	OP51332	(unrelated sample)
ZZZZZZ	RL11020.D	12/28/23 07:11	OP51332	(unrelated sample)
ZZZZZZ	RL11021.D	12/28/23 07:27	OP51332	(unrelated sample)
ZZZZZZ	RL11022.D	12/28/23 07:44	OP51332	(unrelated sample)
ZZZZZZ	RL11023.D	12/28/23 08:01	OP51332	(unrelated sample)
GRL247-CC144	RL11026.D	12/28/23 08:51	n/a	Continuing cal 100
ZZZZZZ	RL11028.D	12/28/23 09:24	OP51332	(unrelated sample)
ZZZZZZ	RL11029.D	12/28/23 09:41	OP51332	(unrelated sample)
ZZZZZZ	RL11030.D	12/28/23 09:58	OP51332	(unrelated sample)
GRL247-CC144	RL11033.D	12/28/23 10:48	n/a	Continuing cal 50

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
09:41	MA55287-STD1	1		STDA
09:47	MA55287-STD2	1		STDB
09:52	MA55287-ICV1	1		
09:57	MA55287-ICB1	1		
10:03	MA55287-ICCV1	1		
10:13	MA55287-CCB1	1		
10:17	MA55287-CRI1	1		
10:22	MA55287-CRID1	1		
10:27	MA55287-ICSA1	1		
10:32	MA55287-ICSAB1	1		
10:37	MA55287-HSTD1	1		
10:42	MA55287-HSTD2	1		
10:47	ZZZZZZ	1		
10:53	ZZZZZZ	1		
10:58	ZZZZZZ	1		
11:03	ZZZZZZ	1		
11:08	MA55287-CCV1	1		
11:13	MA55287-CCB2	1		
11:18	MA55287-CRI2	1		
11:23	ZZZZZZ	1		
11:28	MP43882-S1	5		
11:33	MP43882-S1	5		
11:38	JD79272-50	5		(sample used for QC only; not part of login JD79288)
11:42	MP43882-SD1	25		
11:48	ZZZZZZ	5		
11:52	ZZZZZZ	5		
11:57	ZZZZZZ	10		
12:02	ZZZZZZ	5		
12:07	MA55287-CCV2	1		
12:12	MA55287-CCB3	1		
12:17	ZZZZZZ	5		
12:22	ZZZZZZ	5		
12:27	ZZZZZZ	5		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
12:32	ZZZZZZ	2		
12:37	ZZZZZZ	5		
12:42	ZZZZZZ	2		
12:47	ZZZZZZ	2		
12:52	ZZZZZZ	5		
12:57	ZZZZZZ	2		
13:02	MA55287-CCV3	1		
13:06	MA55287-CCB4	1		
13:12	ZZZZZZ	2		
13:17	ZZZZZZ	5		
13:22	ZZZZZZ	1		
13:27	MP43841-S1	10		
13:32	MP43841-S2	10		
13:37	JD78934-1	10		(sample used for QC only; not part of login JD79288)
13:42	MP43841-SD1	50		
13:47	ZZZZZZ	2		
13:52	ZZZZZZ	5		
13:57	ZZZZZZ	1		
14:02	ZZZZZZ	5		
14:02	ZZZZZZ	5		
14:08	MA55287-CCV4	1		
14:12	MA55287-CCB5	1		
14:17	ZZZZZZ	1		
14:23	ZZZZZZ	5		
14:28	MP43837-SD1	25		
14:33	ZZZZZZ	10		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	2		
14:48	MP43876-MB1	1		
14:53	MP43876-LB1	1		
14:58	MP43876-B1	1		
15:03	MP43876-LS1	1		
15:08	MA55287-CCV5	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:13	MA55287-CCB6	1		
15:18	MP43876-S1	1		
15:22	MP43876-S2	1		
15:27	JD78982-1	1		(sample used for QC only; not part of login JD79288)
15:32	MP43876-SD1	5		
15:37	MP43877-B1	1		
15:42	MP43877-MB1	1		
15:47	MP43877-LB1	1		
15:52	MP43877-LS1	1		
15:57	MP43877-S1	1		
16:02	MP43877-S2	1		
16:07	MA55287-CCV6	1		
16:11	MA55287-CCB7	1		
16:16	JD78982-1	1		(sample used for QC only; not part of login JD79288)
16:16	JD78939-1A	1		(sample used for QC only; not part of login JD79288)
16:22	MP43877-SD1	5		
16:27	MP43884-B1	1		
16:31	MP43884-MB1	1		
16:37	MP43884-S1	1		
16:42	MP43884-S2	1		
16:47	JD79126-2	1		(sample used for QC only; not part of login JD79288)
16:52	MP43884-SD1	5		
16:57	MP43884-PS1	1		
---------->	Last reportable sample/prep for job JD79288			
17:02	ZZZZZZ	1		
17:07	MA55287-CCV7	1		
17:11	MA55287-CCB8	1		
---------->	Last reportable CCB for job JD79288			
17:17	ZZZZZZ	1		
17:21	ZZZZZZ	1		
17:26	ZZZZZZ	1		
17:31	ZZZZZZ	1		
17:36	ZZZZZZ	1		
17:41	ZZZZZZ	1		
17:46	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:51	ZZZZZZ	1		
17:56	ZZZZZZ	1		
18:01	ZZZZZZ	1		
18:06	MA55287-CCV8	1		
18:11	MA55287-CCB9	1		
18:16	ZZZZZZ	1		
18:21	ZZZZZZ	1		
18:26	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
09:52	MA55287-ICV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
09:57	MA55287-ICB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:03	MA55287-ICCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:13	MA55287-CCB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:17	MA55287-CRI1	1																								
10:22	MA55287-CRID1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:27	MA55287-ICSA1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:32	MA55287-ICSAB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:37	MA55287-HSTD1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:42	MA55287-HSTD2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
10:47	ZZZZZZ	1																								
10:53	ZZZZZZ	1																								
10:58	ZZZZZZ	1																								
11:03	ZZZZZZ	1																								
11:08	MA55287-CCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:13	MA55287-CCB2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:18	MA55287-CRI2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
11:23	ZZZZZZ	1																								
11:28	MP43882-S1	5							X			X	X			X		X	X		X					
11:33	MP43882-S1	5							X			X	X			X		X	X		X					
11:38	JD79272-50	5							X			X	X			X		X	X		X					(a)
11:42	MP43882-SD1	25							X			X	X			X		X	X		X					
11:48	ZZZZZZ	5																								
11:52	ZZZZZZ	5																								
11:57	ZZZZZZ	10																								
12:02	ZZZZZZ	5																								
12:07	MA55287-CCV2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:12	MA55287-CCB3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
12:17	ZZZZZZ	5																								
12:22	ZZZZZZ	5																								
12:27	ZZZZZZ	5																								
12:32	ZZZZZZ	2																								
12:37	ZZZZZZ	5																								
			Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
12:42	ZZZZZZ	2																							
12:47	ZZZZZZ	2																							
12:52	ZZZZZZ	5																							
12:57	ZZZZZZ	2																							
13:02	MA55287-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:06	MA55287-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
13:12	ZZZZZZ	2																							
13:17	ZZZZZZ	5																							
13:22	ZZZZZZ	1																							
13:27	MP43841-S1	10			X								X	X											
13:32	MP43841-S2	10			X								X	X											
13:37	JD78934-1	10											X												(a)
13:42	MP43841-SD1	50			X								X	X											
13:47	ZZZZZZ	2																							
13:52	ZZZZZZ	5																							
13:57	ZZZZZZ	1																							
14:02	ZZZZZZ	5																							
14:02	ZZZZZZ	5																							
14:08	MA55287-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:12	MA55287-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
14:17	ZZZZZZ	1																							
14:23	ZZZZZZ	5																							
14:28	MP43837-SD1	25																			X				
14:33	ZZZZZZ	10																							
14:38	ZZZZZZ	1																							
14:43	ZZZZZZ	2																							
14:48	MP43876-MB1	1			X	X		X		X				X					X	X					
14:53	MP43876-LB1	1																							
14:58	MP43876-B1	1			X	X		X		X				X					X	X					
15:03	MP43876-LS1	1			X	X		X		X				X					X	X					
15:08	MA55287-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:13	MA55287-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
15:18	MP43876-S1	1			X	X		X		X				X					X	X					
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: / Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
15:22	MP43876-S2	1			X	X		X		X				X					X	X					
15:27	JD78982-1	1			X	X		X		X				X					X	X					(a)
15:32	MP43876-SD1	5			X	X		X		X				X					X	X					
15:37	MP43877-B1	1																	X						
15:42	MP43877-MB1	1																	X						
15:47	MP43877-LB1	1																							
15:52	MP43877-LS1	1																	X						
15:57	MP43877-S1	1																	X						
16:02	MP43877-S2	1																	X						
16:07	MA55287-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:11	MA55287-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:16	JD78982-1	1	actually jd78939-1a																						
16:16	JD78939-1A	1																	X						(a)
16:22	MP43877-SD1	5																	X						
16:27	MP43884-B1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:31	MP43884-MB1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:37	MP43884-S1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:42	MP43884-S2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:47	JD79126-2	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	(a)
16:52	MP43884-SD1	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:57	MP43884-PS1	1		X																					
17:02	ZZZZZZ	1																							
17:07	MA55287-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:11	MA55287-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:17	ZZZZZZ	1																							
17:21	ZZZZZZ	1																							
17:26	ZZZZZZ	1																							
17:31	ZZZZZZ	1																							
17:36	ZZZZZZ	1																							
17:41	ZZZZZZ	1																							
17:46	ZZZZZZ	1																							
17:51	ZZZZZZ	1																							
17:56	ZZZZZZ	1																							
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
18:01	ZZZZZZ	1																						
18:06	MA55287-CCV8	1																						
18:11	MA55287-CCB9	1																						
18:16	ZZZZZZ	1																						
18:21	ZZZZZZ	1																						
18:26	ZZZZZZ	1																						

(a) Sample used for QC only; not part of login JD79288.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
09:41	MA55287-STD1	3517 R	145610 R	5852 R	8031 R
09:47	MA55287-STD2	3340	137750	5738	7685
09:52	MA55287-ICV1	3418	140620	5807	7821
09:57	MA55287-ICB1	3508	144600	5876	7998
10:03	MA55287-ICCV1	3413	140950	5825	7804
10:13	MA55287-CCB1	3528	145760	5880	8044
10:17	MA55287-CRI1	No results reported for the elements associated with this internal standard.			
10:22	MA55287-CRID1	3519	144790	5872	8018
10:27	MA55287-ICSA1	3188	130830	5694	7245
10:32	MA55287-ICSAB1	3154	128580	5599	7197
10:37	MA55287-HSTD1	3444	143190	5863	8117
10:42	MA55287-HSTD2	3219	131130	5623	7277
10:47	ZZZZZZ	3460	142340	5846	8129
10:53	ZZZZZZ	3441	144960	5899	7988
10:58	ZZZZZZ	4241	142850	5829	999999 !
11:03	ZZZZZZ	3499	143790	5879	7975
11:08	MA55287-CCV1	3396	139100	5782	7768
11:13	MA55287-CCB2	3469	144770	5850	7908
11:18	MA55287-CRI2	3479	142940	5847	7935
11:23	ZZZZZZ	3484	144860	5951	7948
11:28	MP43882-S1	3466	143060	5897	8009
11:33	MP43882-S1	3467	143530	5879	7982
11:38	JD79272-50	3478	143580	5884	8036
11:42	MP43882-SD1	3492	144770	5867	7973
11:48	ZZZZZZ	3454	141770	5903	7987
11:52	ZZZZZZ	3455	142850	5874	7816
11:57	ZZZZZZ	3468	143040	5943	7899
12:02	ZZZZZZ	3395	139970	5860	7664
12:07	MA55287-CCV2	3378	139120	5740	7736
12:12	MA55287-CCB3	3490	143700	5836	7968
12:17	ZZZZZZ	3480	143360	5921	8055
12:22	ZZZZZZ	3453	142580	5935	7928
12:27	ZZZZZZ	3480	143990	5920	7968

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
12:32	ZZZZZZ	3469	144690	5995	7976
12:37	ZZZZZZ	3453	143070	5890	8019
12:42	ZZZZZZ	3473	144250	6037	7908
12:47	ZZZZZZ	3481	144010	6075	7977
12:52	ZZZZZZ	3483	144320	5941	8052
12:57	ZZZZZZ	3441	142650	5922	7913
13:02	MA55287-CCV3	3405	140400	5839	7791
13:06	MA55287-CCB4	3493	145470	5872	7977
13:12	ZZZZZZ	3578	148970	6172	7945
13:17	ZZZZZZ	3429	142490	5910	7771
13:22	ZZZZZZ	3528	146330	5968	8060
13:27	MP43841-S1	3248	129230	5662	7206
13:32	MP43841-S2	3272	129540	5631	7251
13:37	JD78934-1	3273	128760	5623	7250
13:42	MP43841-SD1	3401	137290	5748	7713
13:47	ZZZZZZ	2915	112630	5333	6300
13:52	ZZZZZZ	3345	138020	5610	7722
13:57	ZZZZZZ	3482	999999 !	5808	7968
14:02	ZZZZZZ	No results reported for the elements associated with this internal standard.			
14:02	ZZZZZZ	3295	134360	5640	7434
14:08	MA55287-CCV4	3339	138600	5694	7652
14:12	MA55287-CCB5	3451	143410	5778	7884
14:17	ZZZZZZ	3445	143880	5816	7877
14:23	ZZZZZZ	3394	138670	5721	7691
14:28	MP43837-SD1	3442	142130	5770	7858
14:33	ZZZZZZ	3440	142010	5790	7849
14:38	ZZZZZZ	3440	143810	5791	7869
14:43	ZZZZZZ	3313	136710	5699	7516
14:48	MP43876-MB1	3438	143660	5785	7864
14:53	MP43876-LB1	3447	144220	5800	7881
14:58	MP43876-B1	3367	139660	5747	7744
15:03	MP43876-LS1	3358	140190	5754	7727
15:08	MA55287-CCV5	3372	139220	5692	7716

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
15:13	MA55287-CCB6	3465	143680	5791	7911
15:18	MP43876-S1	3328	137810	5722	7646
15:22	MP43876-S2	3331	137310	5697	7645
15:27	JD78982-1	3417	140220	5740	7811
15:32	MP43876-SD1	3443	143420	5756	7915
15:37	MP43877-B1	3394	141270	5769	7810
15:42	MP43877-MB1	3471	144640	5853	7941
15:47	MP43877-LB1	3453	144930	5847	7902
15:52	MP43877-LS1	3392	137910	5784	7795
15:57	MP43877-S1	3389	140510	5797	7787
16:02	MP43877-S2	3386	140750	5807	7787
16:07	MA55287-CCV6	3360	138710	5708	7698
16:11	MA55287-CCB7	3449	143160	5737	7891
16:16	JD78982-1	No results reported for the elements associated with this internal standard.			
16:16	JD78939-1A	3474	999999 !a	5873	7934
16:22	MP43877-SD1	3448	142890	5792	7878
16:27	MP43884-B1	3380	139940	5742	7770
16:31	MP43884-MB1	3456	144100	5776	7890
16:37	MP43884-S1	3447	143620	5946	7715
16:42	MP43884-S2	3366	140240	5798	7569
16:47	JD79126-2	3268	133540	5176	7336
16:52	MP43884-SD1	3200	129500	4620	7283
16:57	MP43884-PS1	3202	128460	4716	7216
17:02	ZZZZZZ	3231	130040	4732	7308
17:07	MA55287-CCV7	3364	138980	5603	7712
17:11	MA55287-CCB8	3445	143240	5693	7884
17:17	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:31	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:36	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:41	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:46	ZZZZZZ	No results reported for the elements associated with this internal standard.			

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55287
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
17:51	ZZZZZZ	No results reported for the elements associated with this internal standard.			
17:56	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:01	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:06	MA55287-CCV8	No results reported for the elements associated with this internal standard.			
18:11	MA55287-CCB9	No results reported for the elements associated with this internal standard.			
18:16	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:21	ZZZZZZ	No results reported for the elements associated with this internal standard.			
18:26	ZZZZZZ	No results reported for the elements associated with this internal standard.			

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

(a) No samples reported for the elements associated with this internal standard.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			09:57		10:13		11:13		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	-8.30	<200	0.400	<200	-2.70	<200	9.00	<200
Antimony	6.0	2.8	-1.10	<6.0	-0.700	<6.0	-1.30	<6.0	-0.400	<6.0
Arsenic	3.0	2.6	0.200	<3.0	-0.700	<3.0	0.300	<3.0	-0.700	<3.0
Barium	200	.2	0.500	<200	0.200	<200	0.100	<200	0.200	<200
Beryllium	1.0	.2	0.100	<1.0	0.00	<1.0	-0.200	<1.0	0.200	<1.0
Bismuth	20	2.5								
Boron	100	1.8								
Cadmium	3.0	.4	-0.100	<3.0	0.00	<3.0	0.100	<3.0	0.00	<3.0
Calcium	5000	13	0.800	<5000	3.30	<5000	-2.00	<5000	0.00	<5000
Cerium	100									
Chromium	10	.7	0.00	<10	-0.200	<10	-0.100	<10	0.00	<10
Cobalt	50	.6	-0.100	<50	-0.100	<50	0.100	<50	-0.100	<50
Copper	10	.7	-0.200	<10	-0.300	<10	0.500	<10	0.700	<10
Iron	100	3.3	-2.80	<100	-0.800	<100	-1.00	<100	-7.20	<100
Lead	3.0	2	-0.400	<3.0	0.100	<3.0	-0.700	<3.0	0.100	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-35.6	<5000	-52.5	<5000	-30.3	<5000	-42.9	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.8	0.400	<10	0.200	<10	0.00	<10	0.300	<10
Phosphorus	50	7								
Potassium	10000	35	5.60	<10000	-40.9	<10000	-37.3	<10000	-23.1	<10000
Selenium	10	3.6	1.30	<10	1.20	<10	1.10	<10	0.600	<10
Silicon	200	2.2								
Silver	10	.6	0.00	<10	-0.100	<10	0.300	<10	0.00	<10
Sodium	10000	14	-4.40	<10000	-3.50	<10000	-22.9	<10000	-28.1	<10000
Strontium	10	.1								
Sulfur	50	3.7								
Thallium	10	5.2	0.700	<10	0.400	<10	1.10	<10	0.900	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.00	<50	0.100	<50	0.100	<50	0.300	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			09:57		10:13		11:13		12:12	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.500	<20	-0.300	<20	-0.300	<20	-0.700	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			13:06		14:12		15:13		16:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	-8.40	<200	-0.100	<200	2.00	<200	-0.100	<200
Antimony	6.0	2.8	-0.400	<6.0	-0.100	<6.0	-1.30	<6.0	-0.600	<6.0
Arsenic	3.0	2.6	0.600	<3.0	-0.300	<3.0	-0.400	<3.0	-0.500	<3.0
Barium	200	.2	0.300	<200	0.300	<200	0.200	<200	0.00	<200
Beryllium	1.0	.2	0.00	<1.0	0.00	<1.0	0.300	<1.0	-0.100	<1.0
Bismuth	20	2.5								
Boron	100	1.8								
Cadmium	3.0	.4	-0.100	<3.0	0.100	<3.0	-0.100	<3.0	0.00	<3.0
Calcium	5000	13	-5.70	<5000	-0.100	<5000	-2.80	<5000	0.800	<5000
Cerium	100									
Chromium	10	.7	-0.200	<10	0.00	<10	-0.100	<10	-0.100	<10
Cobalt	50	.6	-0.200	<50	-0.100	<50	-0.200	<50	-0.300	<50
Copper	10	.7	0.400	<10	0.600	<10	0.400	<10	1.20	<10
Iron	100	3.3	-1.80	<100	-1.50	<100	3.70	<100	1.00	<100
Lead	3.0	2	0.100	<3.0	0.800	<3.0	0.100	<3.0	0.400	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-9.70	<5000	-27.4	<5000	-24.0	<5000	-34.3	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.100	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.8	0.100	<10	0.200	<10	0.200	<10	0.100	<10
Phosphorus	50	7								
Potassium	10000	35	-44.4	<10000	22.2	<10000	-49.0	<10000	-12.0	<10000
Selenium	10	3.6	1.10	<10	0.00	<10	-0.300	<10	1.80	<10
Silicon	200	2.2								
Silver	10	.6	-0.700	<10	0.200	<10	-0.200	<10	0.100	<10
Sodium	10000	14	-28.6	<10000	44.0	<10000	-5.30	<10000	-17.8	<10000
Strontium	10	.1								
Sulfur	50	3.7								
Thallium	10	5.2	1.40	<10	1.10	<10	-0.300	<10	0.900	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.300	<50	0.00	<50	0.100	<50	0.500	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			13:06		14:12		15:13		16:11	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.400	<20	-0.400	<20	-0.400	<20	-0.400	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			17:11	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Aluminum	200	9.2	9.70	<200
Antimony	6.0	2.8	-0.700	<6.0
Arsenic	3.0	2.6	-0.400	<3.0
Barium	200	.2	0.700	<200
Beryllium	1.0	.2	0.100	<1.0
Bismuth	20	2.5		
Boron	100	1.8		
Cadmium	3.0	.4	-0.100	<3.0
Calcium	5000	13	-2.60	<5000
Cerium	100			
Chromium	10	.7	0.100	<10
Cobalt	50	.6	0.00	<50
Copper	10	.7	0.200	<10
Iron	100	3.3	-5.10	<100
Lead	3.0	2	-0.600	<3.0
Lithium	50	1.5		
Magnesium	5000	25	21.9	<5000
Manganese	15	.1	0.100	<15
Molybdenum	20	.6		
Nickel	10	.8	0.00	<10
Phosphorus	50	7		
Potassium	10000	35	-15.1	<10000
Selenium	10	3.6	0.600	<10
Silicon	200	2.2		
Silver	10	.6	-0.300	<10
Sodium	10000	14	-14.4	<10000
Strontium	10	.1		
Sulfur	50	3.7		
Thallium	10	5.2	0.700	<10
Tin	10	1.4		
Titanium	10	.8		
Tungsten	50	1.3		
Vanadium	50	.5	0.200	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55287 Units: ug/l

Time:			17:11	
Sample ID:			CCB8	
Metal	RL	IDL	raw	final
Zinc	20	.3	-0.700	<20
Zirconium	10	.5		

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55287 Units: ug/l

Time:		10:03	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	40200	100.5
Antimony	2000	2010	100.5
Arsenic	2000	2010	100.5
Barium	2000	2010	100.5
Beryllium	2000	2040	102.0
Bismuth			
Boron			
Cadmium	2000	2010	100.5
Calcium	40000	40600	101.5
Cerium			
Chromium	2000	2040	102.0
Cobalt	2000	2030	101.5
Copper	2000	2000	100.0
Iron	40000	40400	101.0
Lead	2000	2050	102.5
Lithium			
Magnesium	40000	39900	99.8
Manganese	2000	2070	103.5
Molybdenum			
Nickel	2000	2060	103.0
Phosphorus			
Potassium	40000	39800	99.5
Selenium	2000	2010	100.5
Silicon			
Silver	250	250	100.0
Sodium	40000	40000	100.0
Strontium			
Sulfur			
Thallium	2000	2060	103.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2030	101.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55287 Units: ug/l

Time:		10:03	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2050	102.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		09:52			11:08			12:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39900	99.8	40000	40700	101.8	40000	40600	101.5
Antimony	2000	1950	97.5	2000	2030	101.5	2000	2020	101.0
Arsenic	2000	1980	99.0	2000	2030	101.5	2000	2010	100.5
Barium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Beryllium	2000	2070	103.5	2000	2050	102.5	2000	2030	101.5
Bismuth									
Boron									
Cadmium	2000	1940	97.0	2000	2040	102.0	2000	2030	101.5
Calcium	40000	40400	101.0	40000	40800	102.0	40000	40600	101.5
Cerium									
Chromium	2000	1990	99.5	2000	2080	104.0	2000	2060	103.0
Cobalt	2000	1990	99.5	2000	2050	102.5	2000	2040	102.0
Copper	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Iron	40000	40800	102.0	40000	40200	100.5	40000	39900	99.8
Lead	2000	2000	100.0	2000	2070	103.5	2000	2060	103.0
Lithium									
Magnesium	40000	39100	97.8	40000	40000	100.0	40000	39800	99.5
Manganese	2000	2030	101.5	2000	2110	105.5	2000	2090	104.5
Molybdenum									
Nickel	2000	2010	100.5	2000	2080	104.0	2000	2060	103.0
Phosphorus									
Potassium	40000	39500	98.8	40000	40100	100.3	40000	40000	100.0
Selenium	2000	2000	100.0	2000	2030	101.5	2000	2020	101.0
Silicon									
Silver	250	253	101.2	250	253	101.2	250	253	101.2
Sodium	40000	39500	98.8	40000	40600	101.5	40000	40400	101.0
Strontium									
Sulfur									
Thallium	2000	2000	100.0	2000	2080	104.0	2000	2070	103.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	2070	103.5	2000	2050	102.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		09:52			11:08			12:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2020	101.0	2000	2070	103.5	2000	2050	102.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		13:02			14:08			15:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40400	101.0	40000	41200	103.0	40000	41000	102.5
Antimony	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Arsenic	2000	2020	101.0	2000	2060	103.0	2000	2050	102.5
Barium	2000	2020	101.0	2000	2060	103.0	2000	2060	103.0
Beryllium	2000	2040	102.0	2000	2080	104.0	2000	2070	103.5
Bismuth									
Boron									
Cadmium	2000	2030	101.5	2000	2060	103.0	2000	2060	103.0
Calcium	40000	40400	101.0	40000	41100	102.8	40000	41000	102.5
Cerium									
Chromium	2000	2050	102.5	2000	2090	104.5	2000	2080	104.0
Cobalt	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0
Copper	2000	2040	102.0	2000	2070	103.5	2000	2070	103.5
Iron	40000	39700	99.3	40000	40400	101.0	40000	40200	100.5
Lead	2000	2060	103.0	2000	2090	104.5	2000	2090	104.5
Lithium									
Magnesium	40000	39400	98.5	40000	39900	99.8	40000	40000	100.0
Manganese	2000	2090	104.5	2000	2110	105.5	2000	2110	105.5
Molybdenum									
Nickel	2000	2070	103.5	2000	2100	105.0	2000	2100	105.0
Phosphorus									
Potassium	40000	39900	99.8	40000	40700	101.8	40000	40800	102.0
Selenium	2000	2020	101.0	2000	2060	103.0	2000	2040	102.0
Silicon									
Silver	250	253	101.2	250	257	102.8	250	256	102.4
Sodium	40000	40300	100.8	40000	40700	101.8	40000	40900	102.3
Strontium									
Sulfur									
Thallium	2000	2080	104.0	2000	2110	105.5	2000	2110	105.5
Tin									
Titanium									
Tungsten									
Vanadium	2000	2050	102.5	2000	2080	104.0	2000	2080	104.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		13:02			14:08			15:08	
Sample ID:	CCV	CCV3		CCV	CCV4		CCV	CCV5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2060	103.0	2000	2090	104.5	2000	2080	104.0
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		16:07			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	41100	102.8	40000	41000	102.5
Antimony	2000	2070	103.5	2000	2040	102.0
Arsenic	2000	2060	103.0	2000	2030	101.5
Barium	2000	2060	103.0	2000	2050	102.5
Beryllium	2000	2070	103.5	2000	2050	102.5
Bismuth						
Boron						
Cadmium	2000	2070	103.5	2000	2040	102.0
Calcium	40000	41000	102.5	40000	40900	102.3
Cerium						
Chromium	2000	2090	104.5	2000	2070	103.5
Cobalt	2000	2080	104.0	2000	2060	103.0
Copper	2000	2070	103.5	2000	2050	102.5
Iron	40000	40100	100.3	40000	40200	100.5
Lead	2000	2100	105.0	2000	2080	104.0
Lithium						
Magnesium	40000	39900	99.8	40000	39800	99.5
Manganese	2000	2120	106.0	2000	2100	105.0
Molybdenum						
Nickel	2000	2100	105.0	2000	2080	104.0
Phosphorus						
Potassium	40000	40800	102.0	40000	40800	102.0
Selenium	2000	2050	102.5	2000	2040	102.0
Silicon						
Silver	250	257	102.8	250	257	102.8
Sodium	40000	41000	102.5	40000	40900	102.3
Strontium						
Sulfur						
Thallium	2000	2120	106.0	2000	2100	105.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	2090	104.5	2000	2060	103.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55287 Units: ug/l

Time:		16:07			17:07	
Sample ID:	CCV	CCV6		CCV	CCV7	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2080	104.0	2000	2070	103.5
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55287 Units: ug/l

Time:		10:37			10:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	302000	100.7
Antimony	8000	7840	98.0			
Arsenic	8000	7800	97.5			
Barium	8000	7980	99.8			
Beryllium	8000	8060	100.8			
Bismuth						
Boron						
Cadmium	8000	7850	98.1			
Calcium				200000	201000	100.5
Cerium						
Chromium	8000	8240	103.0			
Cobalt	8000	8130	101.6			
Copper	8000	8100	101.3			
Iron				200000	197000	98.5
Lead	8000	8150	101.9			
Lithium						
Magnesium				300000	295000	98.3
Manganese	8000	8120	101.5			
Molybdenum						
Nickel	8000	8130	101.6			
Phosphorus						
Potassium				200000	199000	99.5
Selenium	8000	7910	98.9			
Silicon						
Silver	625	648	103.7			
Sodium				200000	197000	98.5
Strontium						
Sulfur						
Thallium	8000	8080	101.0			
Tin						
Titanium						
Tungsten						
Vanadium	8000	8140	101.8			

HIGH STANDARD CHECK SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55287 Units: ug/l

Time:		10:37			10:42	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8230	102.9			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55287 Units: ug/l

Time:				10:22		11:18	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	109	109.0	199	99.5
Antimony	6.0	20	3.0			4.90	81.7
Arsenic	8.0	20	3.0	2.90	96.7	7.50	93.8
Barium	200		4.0	4.40	110.0	200	100.0
Beryllium	2.0		1.0	1.00	100.0	2.40	120.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	0.900	90.0	3.20	106.7
Calcium	5000	2000	1000	1050	105.0	5170	103.4
Cerium							
Chromium	10		2.0	2.10	105.0	10.5	105.0
Cobalt	50		3.0	2.90	96.7	51.5	103.0
Copper	10		2.0			11.4	114.0
Iron	100	500				109	109.0
Lead	3.0	20	2.5			3.30	110.0
Lithium	50						
Magnesium	5000	2000	100	85.5	85.5	5030	100.6
Manganese	15		3.0	3.30	110.0	16.2	108.0
Molybdenum	20						
Nickel	10		4.0	4.20	105.0	10.8	108.0
Phosphorus	50						
Potassium	5000		2000	2000	100.0	4990	99.8
Selenium	10	20	5.0	5.10	102.0	11.8	118.0
Silicon	200						
Silver	5.0		2.0			5.40	108.0
Sodium	5000		1000	1010	101.0	5070	101.4
Strontium	10						
Sulfur	50						
Thallium	10		2.0			11.4	114.0
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	2.10	105.0	52.1	104.2

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55287 Units: ug/l

Time:				10:22		11:18	
Sample ID:	CRI	CRIA	CRID	CRID1		CRI2	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	9.80	98.0	20.5	102.5
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55287 Units: ug/l

Time:			10:27		10:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	497000	99.4	512000	102.4
Antimony		1000	0.700		1030	103.0
Arsenic		1000	0.100		1020	102.0
Barium		500	-6.40		496	99.2
Beryllium		500	0.400		512	102.4
Bismuth		500	-1.80		534	106.8
Boron		500	-3.60		512	102.4
Cadmium		1000	2.70		1070	107.0
Calcium	400000	400000	387000	96.8	389000	97.3
Cerium			-30.8		-2.30	
Chromium		500	0.00		488	97.6
Cobalt		500	-0.500		491	98.2
Copper		500	3.90		536	107.2
Iron	200000	200000	182000	91.0	191000	95.5
Lead		1000	0.00		971	97.1
Lithium		500	-8.60		520	104.0
Magnesium	500000	500000	480000	96.0	498000	99.6
Manganese		500	2.50		521	104.2
Molybdenum		500	-0.200		493	98.6
Nickel		1000	1.50		960	96.0
Phosphorus		500	16.4		515	103.0
Potassium			101		117	
Selenium		1000	4.70		1020	102.0
Silicon		500	-0.300		527	105.4
Silver		1000	-0.800		1070	107.0
Sodium			8.80		32.0	
Strontium		500	4.80		498	99.6
Sulfur		500	-1.20		485	97.0
Thallium		1000	-0.800		986	98.6
Tin		500	-2.50		493	98.6
Titanium		500	-0.500		505	101.0
Tungsten		500	-1.10		492	98.4
Vanadium		500	-0.100		509	101.8

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122223M1.ICP Date Analyzed: 12/22/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55287 Units: ug/l

Time:			10:27		10:32	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	4.50		989	98.9
Zirconium		500	-1.00		492	98.4

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
13:27	MA55292-STD1	1		STDA
13:32	MA55292-STD2	1		STDB
13:37	MA55292-ICV1	1		
13:43	MA55292-ICB1	1		
13:49	MA55292-ICCV1	1		
13:57	MA55292-CCB1	1		
14:02	MA55292-CRI1	1		
14:07	MA55292-CRID1	1		
14:12	MA55292-ICSA1	1		
14:17	MA55292-ICSAB1	1		
14:22	MA55292-HSTD1	1		
14:28	MA55292-HSTD2	1		
14:33	ZZZZZZ	1		
14:38	ZZZZZZ	1		
14:43	ZZZZZZ	1		
14:48	MA55292-CCV1	1		
14:53	MA55292-CCB2	1		
14:58	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:08	ZZZZZZ	1		
15:13	ZZZZZZ	1		
15:18	ZZZZZZ	1		
15:23	ZZZZZZ	1		
15:28	ZZZZZZ	1		
15:33	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:43	MA55292-CCV2	1		
15:48	MA55292-CCB3	1		
15:53	ZZZZZZ	1		
15:58	ZZZZZZ	1		
16:03	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:12	JD79288-1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:18	MP43864-MB1	1		
16:23	JD79288-2	1		Ca high
16:28	MP43864-B1	1		
16:32	MP43864-S1	1		
16:41	JD79174-2	1		(sample used for QC only; not part of login JD79288)
16:47	MA55292-CCV3	1		
16:52	MA55292-CCB4	1		
16:59	ZZZZZZ	2		
17:05	JD79288-2	5		
---------->	Last reportable sample/prep for job JD79288			
17:10	MP43864-S2	1		
17:14	MP43864-SD1	5		
17:19	ZZZZZZ	1		
17:24	ZZZZZZ	1		
17:29	ZZZZZZ	1		
17:35	ZZZZZZ	1		
17:39	MA55292-CCV4	1		
17:44	MA55292-CCB5	1		
---------->	Last reportable CCB for job JD79288			
17:49	ZZZZZZ	1		
17:54	ZZZZZZ	1		
18:00	ZZZZZZ	1		
18:05	ZZZZZZ	1		
18:10	ZZZZZZ	1		
18:15	ZZZZZZ	1		
18:20	ZZZZZZ	1		
18:25	ZZZZZZ	1		
18:30	ZZZZZZ	1		
18:35	ZZZZZZ	1		
18:40	MA55292-CCV5	1		
18:45	MA55292-CCB6	1		
18:50	ZZZZZZ	1		
18:55	ZZZZZZ	1		
19:00	ZZZZZZ	1		
19:06	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
19:11	ZZZZZZ	1		
19:16	MP43890-MB1	1		
19:21	MP43890-B1	1		
19:26	MP43890-S1	1		
19:31	MP43890-S2	1		
19:36	JD79277-4	1		(sample used for QC only; not part of login JD79288)
19:41	MA55292-CCV6	1		
19:46	MA55292-CCB7	1		
19:51	MP43890-SD1	5		
19:56	ZZZZZZ	1		
20:01	ZZZZZZ	1		
20:06	ZZZZZZ	1		
20:11	ZZZZZZ	1		
20:16	ZZZZZZ	1		
20:21	ZZZZZZ	1		
20:26	ZZZZZZ	1		
20:31	ZZZZZZ	1		
20:36	ZZZZZZ	1		
20:41	MA55292-CCV7	1		
20:46	MA55292-CCB8	1		
20:51	ZZZZZZ	1		
20:56	ZZZZZZ	1		
21:01	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:11	ZZZZZZ	1		
21:16	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:26	ZZZZZZ	1		
21:31	MA55292-CCV8	1		
21:36	MA55292-CCB9	1		
21:41	MP43861-MB1	1		
21:46	MP43861-B1	1		
21:51	MP43861-S1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:56	MP43861-S2	1		
22:01	JD78959-1	1		(sample used for QC only; not part of login JD79288)
22:05	MP43861-SD1	5		
22:10	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:21	ZZZZZZ	1		
22:26	ZZZZZZ	1		
22:31	MA55292-CCV9	1		
22:36	MA55292-CCB10	1		
22:41	ZZZZZZ	1		
22:46	ZZZZZZ	1		
22:51	ZZZZZZ	1		
22:56	ZZZZZZ	1		
23:01	ZZZZZZ	1		
23:06	ZZZZZZ	1		
23:12	ZZZZZZ	1		
23:17	ZZZZZZ	1		
23:22	ZZZZZZ	1		
23:27	MA55292-CCV10	1		
23:32	MA55292-CCB11	1		
23:37	ZZZZZZ	1		
23:42	ZZZZZZ	1		
23:47	ZZZZZZ	1		
23:52	ZZZZZZ	1		
23:58	ZZZZZZ	1		
00:03	ZZZZZZ	1		
00:08	MA55292-CCV11	1		
00:13	MA55292-CCB12	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Dilution	Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
13:37	MA55292-ICV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:43	MA55292-ICB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:49	MA55292-ICCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
13:57	MA55292-CCB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:02	MA55292-CRI1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:07	MA55292-CRID1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:12	MA55292-ICSA1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:17	MA55292-ICSAB1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:22	MA55292-HSTD1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:28	MA55292-HSTD2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:33	ZZZZZZ	1																							
14:38	ZZZZZZ	1																							
14:43	ZZZZZZ	1																							
14:48	MA55292-CCV1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:53	MA55292-CCB2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
14:58	ZZZZZZ	1																							
15:03	ZZZZZZ	1																							
15:08	ZZZZZZ	1																							
15:13	ZZZZZZ	1																							
15:18	ZZZZZZ	1																							
15:23	ZZZZZZ	1																							
15:28	ZZZZZZ	1																							
15:33	ZZZZZZ	1																							
15:38	ZZZZZZ	1																							
15:43	MA55292-CCV2	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15:48	MA55292-CCB3	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
15:53	ZZZZZZ	1																							
15:58	ZZZZZZ	1																							
16:03	ZZZZZZ	1																							
16:07	ZZZZZZ	1																							
16:12	JD79288-1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
16:18	MP43864-MB1	1									X		X		X	X						X			
16:23	JD79288-2	1		X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
			Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
16:28	MP43864-B1	1								X			X		X	X					X				
16:32	MP43864-S1	1								X			X		X	X					X				
16:41	JD79174-2	1								X			X		X	X					X				(a)
16:47	MA55292-CCV3	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:52	MA55292-CCB4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
16:59	ZZZZZZ	2																							
17:05	JD79288-2	5							X																
17:10	MP43864-S2	1								X			X		X	X					X				
17:14	MP43864-SD1	5								X			X		X	X					X				
17:19	ZZZZZZ	1																							
17:24	ZZZZZZ	1																							
17:29	ZZZZZZ	1																							
17:35	ZZZZZZ	1																							
17:39	MA55292-CCV4	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:44	MA55292-CCB5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
17:49	ZZZZZZ	1																							
17:54	ZZZZZZ	1																							
18:00	ZZZZZZ	1																							
18:05	ZZZZZZ	1																							
18:10	ZZZZZZ	1																							
18:15	ZZZZZZ	1																							
18:20	ZZZZZZ	1																							
18:25	ZZZZZZ	1																							
18:30	ZZZZZZ	1																							
18:35	ZZZZZZ	1																							
18:40	MA55292-CCV5	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:45	MA55292-CCB6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
18:50	ZZZZZZ	1																							
18:55	ZZZZZZ	1																							
19:00	ZZZZZZ	1																							
19:06	ZZZZZZ	1																							
19:11	ZZZZZZ	1																							
19:16	MP43890-MB1	1								X			X			X									
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	
19:21	MP43890-B1	1								X			X			X								
19:26	MP43890-S1	1								X			X			X								
19:31	MP43890-S2	1								X			X			X								
19:36	JD79277-4	1								X															(a)
19:41	MA55292-CCV6	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:46	MA55292-CCB7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
19:51	MP43890-SD1	5								X			X			X								
19:56	ZZZZZZ	1																							
20:01	ZZZZZZ	1																							
20:06	ZZZZZZ	1																							
20:11	ZZZZZZ	1																							
20:16	ZZZZZZ	1																							
20:21	ZZZZZZ	1																							
20:26	ZZZZZZ	1																							
20:31	ZZZZZZ	1																							
20:36	ZZZZZZ	1																							
20:41	MA55292-CCV7	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:46	MA55292-CCB8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
20:51	ZZZZZZ	1																							
20:56	ZZZZZZ	1																							
21:01	ZZZZZZ	1																							
21:06	ZZZZZZ	1																							
21:11	ZZZZZZ	1																							
21:16	ZZZZZZ	1																							
21:21	ZZZZZZ	1																							
21:26	ZZZZZZ	1																							
21:31	MA55292-CCV8	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:36	MA55292-CCB9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
21:41	MP43861-MB1	1										X	X								X			X	
21:46	MP43861-B1	1										X	X								X			X	
21:51	MP43861-S1	1										X	X								X			X	
21:56	MP43861-S2	1										X	X								X			X	
22:01	JD78959-1	1										X	X											X	(a)
		Element:	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Element: Dilution	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Ni	K	Se	Ag	Na	Tl	V	Zn
22:05	MP43861-SD1	5										X	X								X			X
22:10	ZZZZZZ	1																						
22:15	ZZZZZZ	1																						
22:21	ZZZZZZ	1																						
22:26	ZZZZZZ	1																						
22:31	MA55292-CCV9	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22:36	MA55292-CCB10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
22:41	ZZZZZZ	1																						
22:46	ZZZZZZ	1																						
22:51	ZZZZZZ	1																						
22:56	ZZZZZZ	1																						
23:01	ZZZZZZ	1																						
23:06	ZZZZZZ	1																						
23:12	ZZZZZZ	1																						
23:17	ZZZZZZ	1																						
23:22	ZZZZZZ	1																						
23:27	MA55292-CCV10	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23:32	MA55292-CCB11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
23:37	ZZZZZZ	1																						
23:42	ZZZZZZ	1																						
23:47	ZZZZZZ	1																						
23:52	ZZZZZZ	1																						
23:58	ZZZZZZ	1																						
00:03	ZZZZZZ	1																						
00:08	MA55292-CCV11	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
00:13	MA55292-CCB12	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

(a) Sample used for QC only; not part of login JD79288.

Element: Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mn Ni K Se Ag Na Tl V Zn

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
13:27	MA55292-STD1	4112 R	139500 R	15694 R	9678 R
13:32	MA55292-STD2	3862	133460	15431	8905
13:37	MA55292-ICV1	3956	135510	15585	9099
13:43	MA55292-ICB1	4142	140580	15750	9742
13:49	MA55292-ICCV1	3973	135390	15514	9133
13:57	MA55292-CCB1	4163	140310	15855	9784
14:02	MA55292-CRI1	4105	139690	15841	9584
14:07	MA55292-CRID1	4138	140660	15896	9705
14:12	MA55292-ICSA1	3732	129690	15362	8465
14:17	MA55292-ICSAB1	3725	128730	15240	8475
14:22	MA55292-HSTD1	4053	140160	15761	9680
14:28	MA55292-HSTD2	3731	130520	15185	8432
14:33	ZZZZZZ	4085	139390	15588	9808
14:38	ZZZZZZ	4050	141270	15598	9700
14:43	ZZZZZZ	4157	141370	15653	9753
14:48	MA55292-CCV1	3968	135910	15386	9109
14:53	MA55292-CCB2	4157	141430	15772	9758
14:58	ZZZZZZ	4223	142790	16011	9885
15:03	ZZZZZZ	4063	137920	15739	9574
15:08	ZZZZZZ	4216	141930	15939	9786
15:13	ZZZZZZ	4194	141990	15993	9621
15:18	ZZZZZZ	4199	141510	15952	9659
15:23	ZZZZZZ	4262	145060	16381	9580
15:28	ZZZZZZ	4147	141780	15925	9600
15:33	ZZZZZZ	4228	143340	16241	9698
15:38	ZZZZZZ	4208	143740	16086	9573
15:43	MA55292-CCV2	3975	136960	15249	9134
15:48	MA55292-CCB3	4160	141980	15585	9759
15:53	ZZZZZZ	10044 !	999999 !	16100	22511 !
15:58	ZZZZZZ	4218	143520	16099	9636
16:03	ZZZZZZ	4247	144270	16228	9587
16:07	ZZZZZZ	4303	147880	16609	9477
16:12	JD79288-1	4232	144800	16231	9469

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
16:18	MP43864-MB1	4185	142150	15502	9808
16:23	JD79288-2	3883	136060	15461	8689
16:28	MP43864-B1	4059	138290	15254	9340
16:32	MP43864-S1	3982	136970	15236	9111
16:41	JD79174-2	4029	139170	15191	9283
16:47	MA55292-CCV3	3988	137050	15110	9153
16:52	MA55292-CCB4	4178	141510	15310	9793
16:59	ZZZZZZ	4218	144480	15836	9540
17:05	JD79288-2	4038	138870	15149	9276
17:10	MP43864-S2	3984	137010	15156	9110
17:14	MP43864-SD1	4133	141280	15205	9640
17:19	ZZZZZZ	4108	141030	14782	9552
17:24	ZZZZZZ	3979	138610	15146	9106
17:29	ZZZZZZ	3931	137260	15102	8958
17:35	ZZZZZZ	4060	139840	15236	9302
17:39	MA55292-CCV4	3991	138050	15098	9156
17:44	MA55292-CCB5	4167	141470	15306	9777
17:49	ZZZZZZ	4002	138280	15038	9184
17:54	ZZZZZZ	3703	132240	14843	8396
18:00	ZZZZZZ	3914	137260	15129	8824
18:05	ZZZZZZ	3829	135310	14949	8632
18:10	ZZZZZZ	3908	135950	14966	8901
18:15	ZZZZZZ	4113	141100	15182	9552
18:20	ZZZZZZ	4032	138960	15086	9269
18:25	ZZZZZZ	4006	139640	15353	9148
18:30	ZZZZZZ	3912	135600	14921	8913
18:35	ZZZZZZ	4000	138090	14964	9171
18:40	MA55292-CCV5	3979	136650	14862	9140
18:45	MA55292-CCB6	4188	143130	15230	9801
18:50	ZZZZZZ	4012	138770	14967	9208
18:55	ZZZZZZ	3642	131670	14869	8269
19:00	ZZZZZZ	3833	129030	14403	8682
19:06	ZZZZZZ	3764	132490	14691	8503

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
19:11	ZZZZZZ	3878	134860	14464	8842
19:16	MP43890-MB1	4139	140240	14830	9695
19:21	MP43890-B1	3992	135670	14547	9218
19:26	MP43890-S1	3615	125990	14441	7890
19:31	MP43890-S2	3605	126450	14465	7859
19:36	JD79277-4	3656	128420	14796	7923
19:41	MA55292-CCV6	3964	136140	14754	9103
19:46	MA55292-CCB7	4170	142260	15070	9765
19:51	MP43890-SD1	3919	136140	14941	8776
19:56	ZZZZZZ	3945	137130	14920	8919
20:01	ZZZZZZ	3710	129550	14889	7964
20:06	ZZZZZZ	3710	129570	14919	7968
20:11	ZZZZZZ	4172	142070	15063	9756
20:16	ZZZZZZ	4179	143330	15153	9761
20:21	ZZZZZZ	3417	138930	15066	9100
20:26	ZZZZZZ	3992	139140	15013	9233
20:31	ZZZZZZ	4040	140120	15098	9238
20:36	ZZZZZZ	4042	140000	15067	9263
20:41	MA55292-CCV7	3987	137580	14839	9141
20:46	MA55292-CCB8	4153	142360	14989	9734
20:51	ZZZZZZ	4064	140280	15044	9298
20:56	ZZZZZZ	4169	142920	15107	9761
21:01	ZZZZZZ	4169	142620	15201	9750
21:06	ZZZZZZ	3420	137950	14902	9061
21:11	ZZZZZZ	3996	139580	14897	9254
21:16	ZZZZZZ	4050	139320	14930	9269
21:21	ZZZZZZ	4034	139160	14949	9244
21:26	ZZZZZZ	4025	139500	14830	9234
21:31	MA55292-CCV8	3968	136700	14680	9104
21:36	MA55292-CCB9	4157	141730	14881	9747
21:41	MP43861-MB1	4151	141390	15005	9730
21:46	MP43861-B1	4036	138640	14797	9306
21:51	MP43861-S1	3968	137770	14771	9221

INTERNAL STANDARD SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
Analyst: ND Run ID: MA55292
Parameters: Al,Sb,As,Ba,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Ni,K,Se,Ag,Na,Tl,V,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4
21:56	MP43861-S2	3987	137700	14785	9258
22:01	JD78959-1	4056	139740	14790	9461
22:05	MP43861-SD1	4111	140790	14739	9621
22:10	ZZZZZZ	4056	139780	14791	9381
22:15	ZZZZZZ	3350	120280	13700	7505
22:21	ZZZZZZ	4046	138830	14727	9402
22:26	ZZZZZZ	4065	139720	14735	9401
22:31	MA55292-CCV9	3990	136640	14541	9141
22:36	MA55292-CCB10	4159	141610	14887	9744
22:41	ZZZZZZ	3312	119980	13675	7426
22:46	ZZZZZZ	4193	142520	15013	9798
22:51	ZZZZZZ	4213	143700	15134	9850
22:56	ZZZZZZ	4204	143710	14994	9812
23:01	ZZZZZZ	4206	143390	14989	9820
23:06	ZZZZZZ	3237	116660	13910	7048
23:12	ZZZZZZ	3542	124790	14157	7806
23:17	ZZZZZZ	3230	116200	13851	7035
23:22	ZZZZZZ	3524	124730	13878	7763
23:27	MA55292-CCV10	3976	136400	14269	9110
23:32	MA55292-CCB11	4140	141220	14548	9706
23:37	ZZZZZZ	4103	140920	14468	9611
23:42	ZZZZZZ	3840	135030	14114	8757
23:47	ZZZZZZ	4110	140770	14443	9677
23:52	ZZZZZZ	4097	140400	14489	9605
23:58	ZZZZZZ	3815	133880	14028	8710
00:03	ZZZZZZ	4121	141340	14494	9647
00:08	MA55292-CCV11	3972	137550	14181	9112
00:13	MA55292-CCB12	4112	140780	14382	9658

R = Reference for ISTD limits. ! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Yttrium (2243)	70-130 %
Istd#2	Yttrium (3600)	70-130 %
Istd#3	Yttrium (3710)	70-130 %
Istd#4	Indium	70-130 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55292 Units: ug/l

Time: / Sample ID:			13:43 ICB1		13:57 CCB1		14:53 CCB2		15:48 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	200	9.2	-5.80	<200	-5.50	<200	-16.3	<200	-14.4	<200
Antimony	6.0	2.8	-0.300	<6.0	1.50	<6.0	1.70	<6.0	0.400	<6.0
Arsenic	3.0	2.6	0.300	<3.0	0.00	<3.0	0.700	<3.0	-0.800	<3.0
Barium	200	.2	-0.100	<200	0.00	<200	-0.200	<200	-0.100	<200
Beryllium	1.0	.2	-0.100	<1.0	0.00	<1.0	-0.100	<1.0	-0.100	<1.0
Bismuth	20	2.5								
Boron	100	1.8								
Cadmium	3.0	.4	0.200	<3.0	0.100	<3.0	0.00	<3.0	0.00	<3.0
Calcium	5000	13	-2.20	<5000	-2.40	<5000	-2.20	<5000	-2.10	<5000
Cerium	100									
Chromium	10	.7	-0.100	<10	-0.100	<10	-0.300	<10	-0.300	<10
Cobalt	50	.6	0.00	<50	0.100	<50	-0.100	<50	0.00	<50
Copper	10	.7	-0.300	<10	0.200	<10	0.00	<10	-0.200	<10
Iron	100	3.3	3.20	<100	3.00	<100	3.10	<100	2.20	<100
Lead	3.0	2	0.400	<3.0	0.600	<3.0	-0.300	<3.0	0.00	<3.0
Lithium	50	1.5								
Magnesium	5000	25	-1.40	<5000	0.400	<5000	-2.80	<5000	-19.6	<5000
Manganese	15	.1	0.00	<15	0.00	<15	0.00	<15	0.00	<15
Molybdenum	20	.6								
Nickel	10	.8	0.300	<10	0.100	<10	0.00	<10	-0.100	<10
Phosphorus	50	7								
Potassium	10000	35	41.3	<10000	2.90	<10000	14.5	<10000	22.6	<10000
Selenium	10	3.6	-1.20	<10	-0.600	<10	-0.500	<10	-0.100	<10
Silicon	200	2.2								
Silver	10	.6	0.100	<10	0.00	<10	-0.100	<10	-0.300	<10
Sodium	10000	14	6.60	<10000	18.6	<10000	31.5	<10000	23.1	<10000
Strontium	10	.1								
Sulfur	50	3.7								
Thallium	10	5.2	0.200	<10	0.800	<10	0.100	<10	0.00	<10
Tin	10	1.4								
Titanium	10	.8								
Tungsten	50	1.3								
Vanadium	50	.5	0.100	<50	0.100	<50	0.00	<50	0.00	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55292 Units: ug/l

Time:			13:43		13:57		14:53		15:48	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Zinc	20	.3	-0.100	<20	-0.200	<20	-0.200	<20	-0.100	<20
Zirconium	10	.5								

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55292 Units: ug/l

Time:			16:52		17:44	
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Aluminum	200	9.2	-7.30	<200	-11.5	<200
Antimony	6.0	2.8	1.40	<6.0	0.900	<6.0
Arsenic	3.0	2.6	1.20	<3.0	0.200	<3.0
Barium	200	.2	0.00	<200	0.00	<200
Beryllium	1.0	.2	0.00	<1.0	-0.100	<1.0
Bismuth	20	2.5				
Boron	100	1.8				
Cadmium	3.0	.4	0.200	<3.0	0.100	<3.0
Calcium	5000	13	-3.50	<5000	-3.40	<5000
Cerium	100					
Chromium	10	.7	-0.100	<10	-0.300	<10
Cobalt	50	.6	-0.100	<50	0.00	<50
Copper	10	.7	0.100	<10	0.300	<10
Iron	100	3.3	2.80	<100	3.60	<100
Lead	3.0	2	0.600	<3.0	0.200	<3.0
Lithium	50	1.5				
Magnesium	5000	25	-2.80	<5000	-13.5	<5000
Manganese	15	.1	0.00	<15	0.00	<15
Molybdenum	20	.6				
Nickel	10	.8	0.00	<10	0.00	<10
Phosphorus	50	7				
Potassium	10000	35	47.6	<10000	18.3	<10000
Selenium	10	3.6	-1.20	<10	1.60	<10
Silicon	200	2.2				
Silver	10	.6	0.200	<10	-0.300	<10
Sodium	10000	14	47.3	<10000	66.8	<10000
Strontium	10	.1				
Sulfur	50	3.7				
Thallium	10	5.2	0.200	<10	0.100	<10
Tin	10	1.4				
Titanium	10	.8				
Tungsten	50	1.3				
Vanadium	50	.5	0.00	<50	0.100	<50

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: result < RL Run ID: MA55292 Units: ug/l

			16:52		17:44	
Time:						
Sample ID:			CCB4		CCB5	
Metal	RL	IDL	raw	final	raw	final
Zinc	20	.3	-0.100	<20	-0.200	<20
Zirconium	10	.5				

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55292 Units: ug/l

Time:		13:49	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Aluminum	40000	39700	99.3
Antimony	2000	1970	98.5
Arsenic	2000	1970	98.5
Barium	2000	2000	100.0
Beryllium	2000	2010	100.5
Bismuth			
Boron			
Cadmium	2000	1970	98.5
Calcium	40000	39900	99.8
Cerium			
Chromium	2000	2010	100.5
Cobalt	2000	1990	99.5
Copper	2000	1960	98.0
Iron	40000	40100	100.3
Lead	2000	2010	100.5
Lithium			
Magnesium	40000	39800	99.5
Manganese	2000	2040	102.0
Molybdenum			
Nickel	2000	2010	100.5
Phosphorus			
Potassium	40000	39500	98.8
Selenium	2000	1970	98.5
Silicon			
Silver	250	247	98.8
Sodium	40000	40100	100.3
Strontium			
Sulfur			
Thallium	2000	2040	102.0
Tin			
Titanium			
Tungsten			
Vanadium	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial Continuing Calibration Check

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: to % Recovery Run ID: MA55292 Units: ug/l

Time:		13:49	
Sample ID:	ICCV	ICCV1	
Metal	True	Results	% Rec
Zinc	2000	2010	100.5
Zirconium			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55292 Units: ug/l

Time:		13:37			14:48			15:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	40100	100.3	40000	40300	100.8	40000	39800	99.5
Antimony	2000	1950	97.5	2000	2010	100.5	2000	1990	99.5
Arsenic	2000	1980	99.0	2000	2010	100.5	2000	1990	99.5
Barium	2000	2020	101.0	2000	2050	102.5	2000	2040	102.0
Beryllium	2000	2080	104.0	2000	2000	100.0	2000	1960	98.0
Bismuth									
Boron									
Cadmium	2000	1930	96.5	2000	2010	100.5	2000	1990	99.5
Calcium	40000	40500	101.3	40000	40200	100.5	40000	39600	99.0
Cerium									
Chromium	2000	1990	99.5	2000	2040	102.0	2000	2010	100.5
Cobalt	2000	1980	99.0	2000	2030	101.5	2000	2010	100.5
Copper	2000	1990	99.5	2000	2000	100.0	2000	1970	98.5
Iron	40000	41100	102.8	40000	40200	100.5	40000	39500	98.8
Lead	2000	1990	99.5	2000	2050	102.5	2000	2020	101.0
Lithium									
Magnesium	40000	39700	99.3	40000	39800	99.5	40000	39200	98.0
Manganese	2000	2030	101.5	2000	2070	103.5	2000	2030	101.5
Molybdenum									
Nickel	2000	2000	100.0	2000	2050	102.5	2000	2030	101.5
Phosphorus									
Potassium	40000	39700	99.3	40000	40700	101.8	40000	40700	101.8
Selenium	2000	2000	100.0	2000	2010	100.5	2000	1990	99.5
Silicon									
Silver	250	254	101.6	250	251	100.4	250	247	98.8
Sodium	40000	40000	100.0	40000	41100	102.8	40000	40800	102.0
Strontium									
Sulfur									
Thallium	2000	2020	101.0	2000	2080	104.0	2000	2060	103.0
Tin									
Titanium									
Tungsten									
Vanadium	2000	1980	99.0	2000	2030	101.5	2000	2000	100.0

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55292 Units: ug/l

Time:		13:37			14:48			15:43	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2010	100.5	2000	2050	102.5	2000	2030	101.5
Zirconium									

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55292 Units: ug/l

Time:		16:47			17:39	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum	40000	39800	99.5	40000	39700	99.3
Antimony	2000	2000	100.0	2000	1990	99.5
Arsenic	2000	2000	100.0	2000	1990	99.5
Barium	2000	2050	102.5	2000	2040	102.0
Beryllium	2000	1940	97.0	2000	1930	96.5
Bismuth						
Boron						
Cadmium	2000	2000	100.0	2000	1990	99.5
Calcium	40000	39500	98.8	40000	39200	98.0
Cerium						
Chromium	2000	2020	101.0	2000	2000	100.0
Cobalt	2000	2020	101.0	2000	2010	100.5
Copper	2000	1970	98.5	2000	1960	98.0
Iron	40000	39400	98.5	40000	39200	98.0
Lead	2000	2030	101.5	2000	2020	101.0
Lithium						
Magnesium	40000	38900	97.3	40000	38700	96.8
Manganese	2000	2050	102.5	2000	2020	101.0
Molybdenum						
Nickel	2000	2040	102.0	2000	2030	101.5
Phosphorus						
Potassium	40000	40900	102.3	40000	40900	102.3
Selenium	2000	2000	100.0	2000	2000	100.0
Silicon						
Silver	250	247	98.8	250	246	98.4
Sodium	40000	41000	102.5	40000	40900	102.3
Strontium						
Sulfur						
Thallium	2000	2070	103.5	2000	2060	103.0
Tin						
Titanium						
Tungsten						
Vanadium	2000	2010	100.5	2000	1990	99.5

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 95 to 105 % Recovery Run ID: MA55292 Units: ug/l

Time:		16:47			17:39	
Sample ID:	CCV	CCV3		CCV	CCV4	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	2000	2030	101.5	2000	2030	101.5
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

HIGH STANDARD CHECK SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55292 Units: ug/l

Time:		14:22			14:28	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Aluminum				300000	298000	99.3
Antimony	8000	7750	96.9			
Arsenic	8000	7670	95.9			
Barium	8000	7960	99.5			
Beryllium	8000	7730	96.6			
Bismuth						
Boron						
Cadmium	8000	7820	97.8			
Calcium				200000	198000	99.0
Cerium						
Chromium	8000	8070	100.9			
Cobalt	8000	7990	99.9			
Copper	8000	7660	95.8			
Iron				200000	199000	99.5
Lead	8000	8050	100.6			
Lithium						
Magnesium				300000	290000	96.7
Manganese	8000	7990	99.9			
Molybdenum						
Nickel	8000	7970	99.6			
Phosphorus						
Potassium				200000	198000	99.0
Selenium	8000	7810	97.6			
Silicon						
Silver	625	624	99.8			
Sodium				200000	192000	96.0
Strontium						
Sulfur						
Thallium	8000	8060	100.8			
Tin						
Titanium						
Tungsten						
Vanadium	8000	7970	99.6			

HIGH STANDARD CHECK SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 90 to 110 % Recovery Run ID: MA55292 Units: ug/l

Time:		14:22			14:28	
Sample ID:	HSTD	HSTD1		HSTD	HSTD2	
Metal	True	Results	% Rec	True	Results	% Rec
Zinc	8000	8080	101.0			
Zirconium						

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55292 Units: ug/l

Time:				14:02		14:07	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Aluminum	200	500	100	198	99.0	105	105.0
Antimony	6.0	20	3.0	6.30	105.0		
Arsenic	8.0	20	3.0	8.50	106.3	3.20	106.7
Barium	200		4.0	205	102.5	4.30	107.5
Beryllium	2.0		1.0	2.30	115.0	1.10	110.0
Bismuth	20						
Boron	100		10				
Cadmium	3.0		1.0	3.10	103.3	1.00	100.0
Calcium	5000	2000	1000	5210	104.2	1030	103.0
Cerium							
Chromium	10		2.0	10.2	102.0	2.00	100.0
Cobalt	50		3.0	51.0	102.0	2.80	93.3
Copper	10		2.0	10.4	104.0		
Iron	100	500		112	112.0		
Lead	3.0	20	2.5	3.50	116.7		
Lithium	50						
Magnesium	5000	2000	100	5230	104.6	107	107.0
Manganese	15		3.0	15.9	106.0	3.20	106.7
Molybdenum	20						
Nickel	10		4.0	10.4	104.0	4.00	100.0
Phosphorus	50						
Potassium	5000		2000	5080	101.6	1990	99.5
Selenium	10	20	5.0	10.5	105.0	4.20	84.0
Silicon	200						
Silver	5.0		2.0	5.10	102.0		
Sodium	5000		1000	5190	103.8	1030	103.0
Strontium	10						
Sulfur	50						
Thallium	10		2.0	10.3	103.0		
Tin	10						
Titanium	10						
Tungsten	50						
Vanadium	50		2.0	51.4	102.8	2.30	115.0

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: CRI 80-120% CRIA 80-120% Run ID: MA55292 Units: ug/l

Time:				14:02		14:07	
Sample ID:	CRI	CRIA	CRID	CRI1		CRID1	
Metal	True	True	True	Results	% Rec	Results	% Rec
Zinc	20		10	20.7	103.5	9.60	96.0
Zirconium	10						

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55292 Units: ug/l

Time:			14:12		14:17	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	500000	500000	483000	96.6	503000	100.6
Antimony		1000	-1.60		1000	100.0
Arsenic		1000	-2.60		1000	100.0
Barium		500	-6.70		499	99.8
Beryllium		500	0.300		492	98.4
Bismuth		500	2.80		524	104.8
Boron		500	-1.60		496	99.2
Cadmium		1000	2.70		1040	104.0
Calcium	400000	400000	385000	96.3	380000	95.0
Cerium			-25.9		3.60	
Chromium		500	-0.200		480	96.0
Cobalt		500	-0.800		477	95.4
Copper		500	-1.70		515	103.0
Iron	200000	200000	186000	93.0	192000	96.0
Lead		1000	-1.30		949	94.9
Lithium		500	-12.6		526	105.2
Magnesium	500000	500000	473000	94.6	486000	97.2
Manganese		500	2.00		512	102.4
Molybdenum		500	-0.400		479	95.8
Nickel		1000	0.800		941	94.1
Phosphorus		500	14.4		501	100.2
Potassium			109		109	
Selenium		1000	7.10		1000	100.0
Silicon		500	-0.200		508	101.6
Silver		1000	0.900		1050	105.0
Sodium			73.3		101	
Strontium		500	5.20		508	101.6
Sulfur		500	-2.30		471	94.2
Thallium		1000	-0.500		957	95.7
Tin		500	-1.20		478	95.6
Titanium		500	-0.400		496	99.2
Tungsten		500	1.10		481	96.2
Vanadium		500	-0.200		500	100.0

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: SF122623M1.ICP Date Analyzed: 12/26/23 Methods: EPA 200.7, SW846 6010D
QC Limits: 80 to 120 % Recovery Run ID: MA55292 Units: ug/l

Time:			14:12		14:17	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Zinc		1000	4.30		972	97.2
Zirconium		500	-0.700		481	96.2

(*) Outside of QC limits
(anr) Analyte not requested

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:24	MA55309-STD1	1		b=9.9390e-005,c=1.4874e-002,rho=0.9998852
18:26	MA55309-STD2	1		STDB
18:27	MA55309-STD3	1		STDC
18:29	MA55309-STD4	1		STDD
18:31	MA55309-STD5	1		STDE
18:33	MA55309-STD6	1		STDF
18:44	ZZZZZZ	1		
18:46	MA55309-ICV1	1		
18:47	MA55309-ICB1	1		
18:49	MA55309-CCV1	1		
18:51	MA55309-CCB1	1		
18:53	MA55309-CRI1	1		
18:57	MP44006-MB1	1		
18:58	MP44006-B1	1		
18:59	MP44006-S1	1		
19:02	MP44006-S2	1		
19:04	JD79288-1	1		
19:06	JD79288-2	1		
---------->	Last reportable sample/prep for job JD79288			
19:07	MA55309-CCV2	1		
19:09	MA55309-CCB2	1		
---------->	Last reportable CCB for job JD79288			
19:11	ZZZZZZ	1		
19:13	ZZZZZZ	1		
19:16	ZZZZZZ	1		
19:19	ZZZZZZ	1		
19:22	ZZZZZZ	1		
19:25	ZZZZZZ	1		
19:42	MA55309-CCV3	1		
19:44	MA55309-CCB3	1		
19:46	ZZZZZZ	50		
19:47	ZZZZZZ	50		
19:49	ZZZZZZ	20		
19:52	ZZZZZZ	5		
20:01	ZZZZZZ	250		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:02	ZZZZZZ	500		
20:04	MA55309-CCV4	1		
20:06	MA55309-CCB4	1		
20:10	ZZZZZZ	1		
20:14	ZZZZZZ	1		
20:18	MP44003-LC2	1		
20:23	ZZZZZZ	1		
20:24	MP44003-B1	1		
20:26	MP44003-S1	1		
20:28	MP44003-S2	1		
20:30	MA55309-CCV5	1		
20:32	MA55309-CCB5	1		
20:35	MP44003-D1	1		
20:36	MP44003-LC1	50		
20:38	JD78163-14	1		(sample used for QC only; not part of login JD79288)
20:40	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:49	MA55309-CCV6	1		
20:51	MA55309-CCB6	1		
20:54	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:57	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:08	MA55309-CCV7	1		
21:11	MA55309-CCB7	1		
21:13	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:17	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:19	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:29	MA55309-CCV8	1		
21:32	MA55309-CCB8	1		
21:34	MP44005-LC2	1		
21:37	ZZZZZZ	1		
21:38	MP44005-B1	1		
21:40	MP44005-S1	1		
21:42	MP44005-S2	1		
21:44	MP44005-D1	1		
21:46	MP44005-LC1	50		
21:48	MA55309-CCV9	1		
21:51	MA55309-CCB9	1		
21:53	JD78426-2	1		(sample used for QC only; not part of login JD79288)
21:54	JD78426-1	1		(sample used for QC only; not part of login JD79288)
21:56	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:04	ZZZZZZ	1		
22:06	MA55309-CCV10	1		
22:08	MA55309-CCB10	1		
22:10	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:17	MP44003-MB1	1		
22:19	ZZZZZZ	2		
22:21	ZZZZZZ	2		
22:23	MP44005-MB1	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:25	MA55309-CCV11	1		
22:27	MA55309-CCB11	1		

Refer to raw data for calibration curve and standards.

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg
18:44	ZZZZZZ	1	
18:46	MA55309-ICV1	1	X
18:47	MA55309-ICB1	1	X
18:49	MA55309-CCV1	1	X
18:51	MA55309-CCB1	1	X
18:53	MA55309-CRI1	1	X
18:57	MP44006-MB1	1	X
18:58	MP44006-B1	1	X
18:59	MP44006-S1	1	X
19:02	MP44006-S2	1	X
19:04	JD79288-1	1	X
19:06	JD79288-2	1	X
19:07	MA55309-CCV2	1	X
19:09	MA55309-CCB2	1	X
19:11	ZZZZZZ	1	
19:13	ZZZZZZ	1	
19:16	ZZZZZZ	1	
19:19	ZZZZZZ	1	
19:22	ZZZZZZ	1	
19:25	ZZZZZZ	1	
19:42	MA55309-CCV3	1	X
19:44	MA55309-CCB3	1	X
19:46	ZZZZZZ	50	
19:47	ZZZZZZ	50	
19:49	ZZZZZZ	20	
19:52	ZZZZZZ	5	
20:01	ZZZZZZ	250	
20:02	ZZZZZZ	500	
20:04	MA55309-CCV4	1	X
20:06	MA55309-CCB4	1	X
20:10	ZZZZZZ	1	
20:14	ZZZZZZ	1	
20:18	MP44003-LC2	1	X
		Element:	Hg

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
20:23	ZZZZZZ	1		
20:24	MP44003-B1	1	X	
20:26	MP44003-S1	1	X	
20:28	MP44003-S2	1	X	
20:30	MA55309-CCV5	1	X	
20:32	MA55309-CCB5	1	X	
20:35	MP44003-D1	1	X	
20:36	MP44003-LC1	50	X	
20:38	JD78163-14	1	X	(a)
20:40	ZZZZZZ	1		
20:42	ZZZZZZ	1		
20:45	ZZZZZZ	1		
20:47	ZZZZZZ	1		
20:49	MA55309-CCV6	1	X	
20:51	MA55309-CCB6	1	X	
20:54	ZZZZZZ	1		
20:55	ZZZZZZ	1		
20:57	ZZZZZZ	1		
20:59	ZZZZZZ	1		
21:02	ZZZZZZ	1		
21:04	ZZZZZZ	1		
21:06	ZZZZZZ	1		
21:08	MA55309-CCV7	1	X	
21:11	MA55309-CCB7	1	X	
21:13	ZZZZZZ	1		
21:14	ZZZZZZ	1		
21:17	ZZZZZZ	1		
21:19	ZZZZZZ	1		
21:21	ZZZZZZ	1		
21:23	ZZZZZZ	1		
21:25	ZZZZZZ	1		
21:27	ZZZZZZ	1		
21:29	MA55309-CCV8	1	X	
		Element:	Hg	

REPORTED ELEMENTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
Analyst: LM Run ID: MA55309
Parameters: Hg

Time	Sample Description	Element: Dilution	Hg	
21:32	MA55309-CCB8	1	X	
21:34	MP44005-LC2	1	X	
21:37	ZZZZZZ	1		
21:38	MP44005-B1	1	X	
21:40	MP44005-S1	1	X	
21:42	MP44005-S2	1	X	
21:44	MP44005-D1	1	X	
21:46	MP44005-LC1	50	X	
21:48	MA55309-CCV9	1	X	
21:51	MA55309-CCB9	1	X	
21:53	JD78426-2	1	X	(a)
21:54	JD78426-1	1		(a)
21:56	ZZZZZZ	1		
21:58	ZZZZZZ	1		
22:00	ZZZZZZ	1		
22:02	ZZZZZZ	1		
22:04	ZZZZZZ	1		
22:06	MA55309-CCV10	1	X	
22:08	MA55309-CCB10	1	X	
22:10	ZZZZZZ	1		
22:11	ZZZZZZ	1		
22:13	ZZZZZZ	1		
22:15	ZZZZZZ	1		
22:17	MP44003-MB1	1	X	
22:19	ZZZZZZ	2		
22:21	ZZZZZZ	2		
22:23	MP44005-MB1	1	X	
22:25	MA55309-CCV11	1	X	
22:27	MA55309-CCB11	1	X	

(a) Sample used for QC only; not part of login JD79288.

Element:	Hg

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
QC Limits: result < RL Run ID: MA55309 Units: ug/l

Time:			18:47		18:51		19:09	
Sample ID:			ICB1		CCB1		CCB2	
Metal	RL	IDL	raw	final	raw	final	raw	final
Mercury	0.20	.034	0.00480	<0.20	0.0113	<0.20	-0.0175	<0.20

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
QC Limits: 90 to 110 % Recovery Run ID: MA55309 Units: ug/l

Time:		18:46			18:49			19:07	
Sample ID:	ICV	ICV1		CCV	CCV1		CCV	CCV2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Mercury	3	3.16	105.3	2.5	2.42	96.8	2.5	2.26	90.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: H9122823S1.CSV Date Analyzed: 12/28/23 Methods: SW846 7471B
QC Limits: 70 to 130 % Recovery Run ID: MA55309 Units: ug/l

Time:			18:53	
Sample ID:	CRI	CRIA	CRI1	
Metal	True	True	Results	% Rec
Mercury	0.20		0.189	94.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.92	8.1	2.0	<50
Antimony	2.0	.28	.41	-0.040	<2.0
Arsenic	2.0	.26	.28	-0.050	<2.0
Barium	20	.02	1.9	0.060	<20
Beryllium	0.20	.02	.08	0.0	<0.20
Bismuth	2.0	.25	.52		
Boron	10	.18	3.7		
Cadmium	0.50	.04	.07	0.0	<0.50
Calcium	500	1.3	21	6.5	<500
Chromium	1.0	.07	.37	0.010	<1.0
Cobalt	5.0	.06	.28	0.0	<5.0
Copper	2.5	.07	.84	0.19	<2.5
Iron	50	.33	19	0.75	<50
Lead	2.0	.2	.41	0.10	<2.0
Lithium	5.0	.15	.92		
Magnesium	500	2.5	14	-1.6	<500
Manganese	1.5	.01	.41	0.030	<1.5
Molybdenum	2.0	.06	.32		
Nickel	4.0	.08	.35	0.040	<4.0
Phosphorus	20	.7	3.3		
Potassium	1000	3.5	32	-0.83	<1000
Selenium	2.0	.36	.65	0.14	<2.0
Silicon	20	.22	11		
Silver	0.50	.06	.17	0.030	<0.50
Sodium	1000	1.4	78	2.7	<1000
Strontium	5.0	.01	.18		
Sulfur	10	.37	3.9		
Thallium	1.0	.52	.58	-0.070	<1.0
Tin	20	.14	3.8		
Titanium	1.0	.08	.34		
Tungsten	5.0	.13	1.8		
Vanadium	5.0	.05	.19	0.060	<5.0
Zinc	5.0	.03	2.3	0.93	<5.0

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	RL	IDL	MDL	MB raw	final
Zirconium	2.0	.05	.54		

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original	MS	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	10400	15300	2940	166.8N(a	75-125
Antimony	0.90	132	235	55.8N(a)	75-125
Arsenic	2.7	223	235	93.8	75-125
Barium	87.0	303	235	91.9	75-125
Beryllium	0.71	214	235	90.8	75-125
Bismuth					
Boron					
Cadmium	0.43	215	235	91.3	75-125
Calcium	3980	6910	2940	99.8	75-125
Chromium	32.3	243	235	89.7	75-125
Cobalt	8.2	225	235	92.3	75-125
Copper	18.6	236	235	92.5	75-125
Iron	17000	21400	2940	149.8(b)	75-125
Lead	20.2	238	235	92.7	75-125
Lithium					
Magnesium	6160	9190	2940	103.2	75-125
Manganese	326	520	235	82.6	75-125
Molybdenum					
Nickel	21.1	240	235	93.2	75-125
Phosphorus					
Potassium	2770	5900	2940	106.6	75-125
Selenium	1.1	210	235	88.9	75-125
Silicon					
Silver	0.37	28.3	29.4	95.1	75-125
Sodium	172	3080	2940	99.0	75-125
Strontium					
Sulfur					
Thallium	0.0	220	235	93.6	75-125
Tin					
Tungsten					
Vanadium	31.2	244	235	90.6	75-125
Zinc	58.0	265	235	88.1	75-125
Zirconium					

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original MS	Spikelot MPSPK2	% Rec	QC Limits

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	JD79126-2 Original	MSD	Spikelot MPSPK2	% Rec	MSD RPD	QC Limit
Aluminum	10400	15000	2710	169.8N(a	2.0	20
Antimony	0.90	115	217	52.7N(a)	13.8	20
Arsenic	2.7	201	217	91.5	10.4	20
Barium	87.0	290	217	93.7	4.4	20
Beryllium	0.71	198	217	91.0	7.8	20
Bismuth						
Boron						
Cadmium	0.43	198	217	91.2	8.2	20
Calcium	3980	7740	2710	138.8N(a	11.3	20
Chromium	32.3	231	217	91.7	5.1	20
Cobalt	8.2	208	217	92.2	7.9	20
Copper	18.6	221	217	93.4	6.6	20
Iron	17000	21100	2710	151.4(b)	1.4	20
Lead	20.2	223	217	93.6	6.5	20
Lithium						
Magnesium	6160	9880	2710	137.3N(a	7.2	20
Manganese	326	543	217	100.1	4.3	20
Molybdenum						
Nickel	21.1	222	217	92.7	7.8	20
Phosphorus						
Potassium	2770	6000	2710	119.2	1.7	20
Selenium	1.1	193	217	88.6	8.4	20
Silicon						
Silver	0.37	26.7	27.1	97.2	5.8	20
Sodium	172	2900	2710	100.7	6.0	20
Strontium						
Sulfur						
Thallium	0.0	202	217	93.2	8.5	20
Tin						
Tungsten						
Vanadium	31.2	230	217	91.7	5.9	20
Zinc	58.0	256	217	91.4	3.5	20
Zirconium						

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884 Methods: SW846 6010D
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/22/23

	JD79126-2	Spikelot		MSD	QC
Metal	Original MSD	MPSPK2	% Rec	RPD	Limit

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Aluminum	2550	2500	102.0	80-120
Antimony	193	200	96.5	80-120
Arsenic	192	200	96.0	80-120
Barium	194	200	97.0	80-120
Beryllium	196	200	98.0	80-120
Bismuth				
Boron				
Cadmium	192	200	96.0	80-120
Calcium	2570	2500	102.8	80-120
Chromium	196	200	98.0	80-120
Cobalt	195	200	97.5	80-120
Copper	195	200	97.5	80-120
Iron	2500	2500	100.0	80-120
Lead	196	200	98.0	80-120
Lithium				
Magnesium	2460	2500	98.4	80-120
Manganese	200	200	100.0	80-120
Molybdenum				
Nickel	197	200	98.5	80-120
Phosphorus				
Potassium	2520	2500	100.8	80-120
Selenium	190	200	95.0	80-120
Silicon				
Silver	24.9	25	99.6	80-120
Sodium	2550	2500	102.0	80-120
Strontium				
Sulfur				
Thallium	199	200	99.5	80-120
Tin				
Titanium				
Tungsten				
Vanadium	195	200	97.5	80-120
Zinc	196	200	98.0	80-120

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: mg/kg

Prep Date: 12/22/23

Metal	BSP Result	Spikelot MPSPK2	% Rec	QC Limits
Zirconium				

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	JD79126-2 Original	SDL 1:5	%DIF	QC Limits
Aluminum	94900	95600	0.7	0-10
Antimony	8.20	0.00	100.0(a)	0-10
Arsenic	24.7	26.2	6.1	0-10
Barium	796	802	0.8	0-10
Beryllium	6.50	5.90	9.2	0-10
Bismuth				
Boron				
Cadmium	3.90	3.90	0.0	0-10
Calcium	36400	37600	3.4	0-10
Chromium	295	300	1.6	0-10
Cobalt	74.8	81.0	8.3	0-10
Copper	170	155	9.2	0-10
Iron	155000	162000	4.1	0-10
Lead	185	194	4.9	0-10
Lithium				
Magnesium	56300	58500	4.0	0-10
Manganese	2980	3030	1.7	0-10
Molybdenum				
Nickel	193	202	5.1	0-10
Phosphorus				
Potassium	25400	25100	0.9	0-10
Selenium	10.2	0.00	100.0(a)	0-10
Silicon				
Silver	3.40	7.60	123.5(a)	0-10
Sodium	1570	1290	18.3*(b)	0-10
Strontium				
Sulfur				
Thallium	0.00	0.00	NC	0-10
Tin				
Titanium				
Tungsten				
Vanadium	285	286	0.5	0-10
Zinc	530	566	6.7	0-10

SERIAL DILUTION RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	JD79126-2 Original SDL 1:5	%DIF	QC Limits
Zirconium			

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
(b) Serial dilution indicates possible matrix interference.

POST DIGESTATE SPIKE SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	Sample ml	Final ml	JD79126-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony	19.25	20	8.2	7.8925	1907	0.2	200	2000	95.0	80-120
Arsenic										
Barium										
Beryllium										
Bismuth										
Boron										
Cadmium										
Calcium										
Chromium										
Cobalt										
Copper										
Iron										
Lead										
Lithium										
Magnesium										
Manganese										
Molybdenum										
Nickel										
Phosphorus										
Potassium										
Selenium										
Silicon										
Silver										
Sodium										
Strontium										
Sulfur										
Thallium										
Tin										
Titanium										
Tungsten										
Vanadium										
Zinc										

POST DIGESTATE SPIKE SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP43884
Matrix Type: SOLID

Methods: SW846 6010D
Units: ug/l

Prep Date: 12/22/23

Metal	Sample ml	Final ml	JD79126-2 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Zirconium										

Associated samples MP43884: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP44006 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/28/23

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.033	.0057	.015	0.015	<0.033

Associated samples MP44006: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP44006
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/28/23

Metal	JD79288-1 Original	MS	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.0083	0.38	0.318	116.9	80-120

Associated samples MP44006: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP44006 Methods: SW846 7471B
Matrix Type: SOLID Units: mg/kg

Prep Date: 12/28/23

Metal	JD79288-1 Original	MSD	Spikelot HGPWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0083	0.25	0.284	85.2	41.3 (a)	20

Associated samples MP44006: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High rpd due to possible sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

QC Batch ID: MP44006
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 12/28/23

Metal	BSP Result	Spikelot HGPWS1	% Rec	QC Limits
Mercury	0.33	0.333	99.0	80-120

Associated samples MP44006: JD79288-1, JD79288-2

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Instrument Detection Limits

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 01/12/21

Analyte	IDL ug/l
Mercury	.034

The above applies to the following instrument runs:
MA55309

Instrument Detection Limits

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 02/11/21

Analyte	IDL ug/l
Aluminum	9.2
Antimony	2.8
Arsenic	2.6
Barium	.2
Beryllium	.2
Bismuth	2.5
Boron	1.8
Cadmium	.4
Calcium	13
Chromium	.7
Cobalt	.6
Copper	.7
Iron	3.3
Lead	2
Lithium	1.5
Magnesium	24.8
Manganese	.1
Molybdenum	.6
Nickel	.8
Phosphorus	7
Potassium	34.5
Selenium	3.6
Silicon	2.2
Silver	.6
Sodium	13.9
Sulfur	3.7
Strontium	.1
Thallium	5.2
Tin	1.4
Titanium	.8
Tungsten	1.3
Vanadium	.5
Zinc	.3
Zirconium	.5

The above applies to the following instrument runs:
MA55287,MA55292

Instrument Linear Ranges

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: LEEMANHG9 **Effective Date:** 02/26/18

Analyte	Linear Range ug/l
Mercury	5

The above applies to the following instrument runs:
MA55309

Instrument Linear Ranges

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Instrument ID: SSTRACE6 **Effective Date:** 08/22/19

Analyte	Linear Range ug/l
Aluminum	300000
Antimony	8000
Arsenic	8000
Barium	8000
Beryllium	8000
Bismuth	8000
Boron	8000
Cadmium	8000
Calcium	200000
Cerium	8000
Chromium	8000
Cobalt	8000
Copper	8000
Iron	200000
Lead	8000
Lithium	8000
Magnesium	300000
Manganese	8000
Molybdenum	8000
Nickel	8000
Palladium	8000
Phosphorus	8000
Potassium	200000
Selenium	8000
Silicon	25000
Silver	625
Sodium	200000
Sulfur	100000
Strontium	8000
Thallium	8000
Tin	8000
Titanium	8000
Tungsten	8000
Vanadium	8000
Zinc	8000
Zirconium	8000

The above applies to the following instrument runs:
MA55287,MA55292

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Method Blank and Blank Spike Summaries
- Duplicate Summaries
- Matrix Spike Summaries
- Instrument Runlogs/QC
- Percent Solids Raw Data Summary

METHOD BLANK AND SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	RL	MB Result	Units	Spike Amount	BSP Result	BSP %Recov	QC Limits
Cyanide	GP51271/GN49773	0.24	0.0	mg/kg	4.8	5.11	106.5	90-110%

Associated Samples:
Batch GP51271: JD79288-1, JD79288-2
(*) Outside of QC limits

DUPLICATE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	DUP Result	RPD	QC Limits
Cyanide	GP51271/GN49773	JD79288-1	mg/kg	0.0	0.13	200.0(a)	0-49%
Solids, Percent	GN49632	JD79192-1	%	83	82.2	1.0	0-10%

Associated Samples:
Batch GN49632: JD79288-1, JD79288-2
Batch GP51271: JD79288-1, JD79288-2
(*) Outside of QC limits
(a) RPD acceptable due to low duplicate and sample concentrations.

MATRIX SPIKE RESULTS SUMMARY
GENERAL CHEMISTRY

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Analyte	Batch ID	QC Sample	Units	Original Result	Spike Amount	MS Result	%Rec	QC Limits
Cyanide	GP51271/GN49773	JD79288-1	mg/kg	0.0	5.42	1.8	33.2N(a)	75-125%

Associated Samples:
Batch GP51271: JD79288-1, JD79288-2
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(a) Spike recovery indicates possible matrix interference.

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D122823W1.CN Date Analyzed: 12/28/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:37	GN49773-STD1	1		STDA
14:38	GN49773-STD2	1		STDB
14:39	GN49773-STD3	1		STDC
14:40	GN49773-STD4	1		STDD
14:41	GN49773-STD5	1		STDE
14:42	GN49773-STD6	1		STDF
14:43	GN49773-STD7	1		STDG
14:44	GN49773-ICV1	1		
14:45	GN49773-ICB1	1		
14:46	GN49773-CCV1	1		
14:46	GN49773-CCB1	1		
14:47	GP51278-MB1	1		
14:49	GP51278-S1	1		
14:50	GP51278-S2	1		
14:51	GP51278-D1	1		
14:52	JD79551-1	1		(sample used for QC only; not part of login JD79288)
14:53	ZZZZZZ	1		
14:54	ZZZZZZ	1		
14:55	JD79281-1	1		(sample used for QC only; not part of login JD79288)
14:56	ZZZZZZ	1		
14:56	GN49773-CCV2	1		
14:57	GN49773-CCB2	1		
14:58	ZZZZZZ	1		
14:59	ZZZZZZ	1		
15:00	ZZZZZZ	1		
15:01	ZZZZZZ	1		
15:02	ZZZZZZ	1		
15:03	ZZZZZZ	1		
15:04	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:05	ZZZZZZ	1		
15:06	GP51271-MB1	1		
15:07	GN49773-CCV3	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D122823W1.CN Date Analyzed: 12/28/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:08	GN49773-CCB3	1		
15:10	GP51271-S1	1		
15:11	GP51271-D1	1		
15:12	JD79288-1	1		
15:13	JD79288-2	1		
15:14	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:15	ZZZZZZ	1		
15:16	ZZZZZZ	1		
15:17	GP51267-MB1	1		
15:18	GN49773-CCV4	1		
15:19	GN49773-CCB4	1		
15:21	GP51267-S1	1		
15:22	GP51267-D1	1		
15:23	JD79297-1	1		(sample used for QC only; not part of login JD79288)
15:24	ZZZZZZ	1		
15:24	GP51282-MB1	1		
15:26	GP51282-S1	1		
15:27	GP51282-S2	1		
15:28	GP51282-D1	1		
15:29	GN49773-CCV5	1		
15:30	GN49773-CCB5	1		
15:31	LA96213-1	1		(sample used for QC only; not part of login JD79288)
15:32	ZZZZZZ	1		
15:33	JD79473-1	1		(sample used for QC only; not part of login JD79288)
15:34	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:35	ZZZZZZ	1		
15:36	ZZZZZZ	1		
15:37	ZZZZZZ	1		
15:38	ZZZZZZ	1		
15:39	ZZZZZZ	1		
15:40	GN49773-CCV6	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D122823W1.CN Date Analyzed: 12/28/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
15:41	GN49773-CCB6	1		
15:42	ZZZZZZ	1		
15:43	ZZZZZZ	1		
15:44	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:45	ZZZZZZ	1		
15:46	ZZZZZZ	1		
15:47	ZZZZZZ	1		
15:48	ZZZZZZ	1		
15:49	GP51279-MB1	1		
15:51	GN49773-CCV7	1		
15:52	GN49773-CCB7	1		
15:53	GP51279-S1	1		
15:54	GP51279-S2	1		
15:54	GP51279-D1	1		
15:55	LA96477-1	1		(sample used for QC only; not part of login JD79288)
15:56	ZZZZZZ	1		
15:57	ZZZZZZ	1		
15:58	ZZZZZZ	1		
15:59	ZZZZZZ	1		
16:00	ZZZZZZ	1		
16:01	ZZZZZZ	1		
16:02	GN49773-CCV8	1		
16:03	GN49773-CCB8	1		
16:04	JD79422-2	1		(sample used for QC only; not part of login JD79288)
16:05	ZZZZZZ	1		
16:05	ZZZZZZ	1		
16:06	ZZZZZZ	1		
16:07	ZZZZZZ	1		
16:08	ZZZZZZ	1		
16:09	ZZZZZZ	1		
16:10	ZZZZZZ	1		
16:11	ZZZZZZ	1		

SGS Instrument Runlog
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D122823W1.CN Date Analyzed: 12/28/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Analyst: JD Run ID: GN49773
Parameters: Cyanide

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:12	GP51279-B1	1		
16:13	GN49773-CCV9	1		
16:14	GN49773-CCB9	1		
16:16	GP51278-B1	1		
16:16	GP51271-B1	1		
16:17	GP51267-B1	1		
16:18	GP51282-B1	1		
16:21	GN49773-CCV10	1		
16:22	GN49773-CCB10	1		

Refer to raw data for calibration curve and standards.

Instrument QC Summary
Inorganics Analyses

Login Number: JD79288
Account: SESINJPB - SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

File ID: D122823W1.CN Date Analyzed: 12/28/23 Methods: EPA 335.4/LACHAT, SW846 9012B/LACHAT
Run ID: GN49773 Units: mg/l

Sample Number	Parameter	Result	RL	IDL/MDL	True Value	% Recov.	QC Limits
GN49773-ICV1	Cyanide	0.326	0.010	0.0041	.3	108.7	90-110
GN49773-ICB1	Cyanide	-0.00783	0.010	0.0041			
GN49773-CCV1	Cyanide	0.439	0.010	0.0041	.4	109.8	90-110
GN49773-CCB1	Cyanide	-0.00674	0.010	0.0041			
GN49773-CCV2	Cyanide	0.439	0.010	0.0041	.4	109.8	90-110
GN49773-CCB2	Cyanide	-0.00480	0.010	0.0041			
GN49773-CCV3	Cyanide	0.438	0.010	0.0041	.4	109.5	90-110
GN49773-CCB3	Cyanide	0.0041 U	0.010	0.0041			
GN49773-CCV4	Cyanide	0.434	0.010	0.0041	.4	108.5	90-110
GN49773-CCB4	Cyanide	0.0041 U	0.010	0.0041			
GN49773-CCV5	Cyanide	0.432	0.010	0.0041	.4	108.0	90-110
GN49773-CCB5	Cyanide	-0.00444	0.010	0.0041			
GN49773-CCV6	Cyanide	0.432	0.010	0.0041	.4	108.0	90-110
GN49773-CCB6	Cyanide	-0.00473	0.010	0.0041			
GN49773-CCV7	Cyanide	0.435	0.010	0.0041	.4	108.8	90-110
GN49773-CCB7	Cyanide	-0.00641	0.010	0.0041			
GN49773-CCV8	Cyanide	0.437	0.010	0.0041	.4	109.3	90-110
GN49773-CCB8	Cyanide	-0.00632	0.010	0.0041			
GN49773-CCV9	Cyanide	0.432	0.010	0.0041	.4	108.0	90-110
GN49773-CCB9	Cyanide	-0.00485	0.010	0.0041			
GN49773-CCV10	Cyanide	0.433	0.010	0.0041	.4	108.3	90-110
GN49773-CCB10	Cyanide	-0.00723	0.010	0.0041			

(!) Outside of QC limits

Percent Solids Raw Data Summary

Job Number: JD79288
Account: SESINJPB SESI Consulting Engineers
Project: 99 Franklin Courts, Tarrytown, NY

Sample: JD79288-1 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB-102 (3-3.5)

Wet Weight (Total)	37.94	g
Tare Weight	28.72	g
Dry Weight (Total)	37.23	g
Solids, Percent	92.3	%

Sample: JD79288-2 **Analyzed:** 22-DEC-23 by MK **Method:** SM2540 G 18TH ED MOD
ClientID: SB-101 (2.5-3)

Wet Weight (Total)	33.22	g
Tare Weight	26.81	g
Dry Weight (Total)	31.3	g
Solids, Percent	70	%